

417

TABLE OF CONTENTS

( 6 pages)

Department of  
Mines and Petroleum Resources  
**ASSESSMENT REPORT**

NO. 417 MAP.....

	<u>Page</u>
Abstract . . . . .	1
Introduction . . . . .	2
Location . . . . .	2
Geologic Setting . . . . .	2
Geology of Claims . . . . .	3
Geophysics of Claims . . . . .	4
Conclusions . . . . .	5
Affidavit of Expenditures . . . . .	6

Maps

- Figure 1 Index Map of Nimpkish Area
- Figure 2 Index Map of Geologic sketches
- Figure 3 Geologic Map of Claims 1 and 3 and 4, Martha Group
- Figure 3a Geophysical Map of Claim 4 -- Martha Group
- Figure 3b Geophysical Map of Claims 1 and 3 --Martha Group
- Figure 4 Geologic Map of Claim 6 --Martha Group
- Figure 4a Geophysical Map of Claim 6 --Martha Group
- Figure 5 Geologic Section of Magnetite Dike, Claim 6--Martha Group
- Figure 6 Geologic Map, Main Showing, Storey Group
- Figure 6a Geophysical Map Main Showing, Storey Group

GEOLOGICAL-GEOFYSICAL REPORT  
MARTHA-STONEY GROUP, NIMPEISH 126° - 50° S.W.

J.E. O'ROURKE and C.A. AIRD, Authors

G.A. NOEL, Supervisor

UTAH CONSTRUCTION & MINING CO.

JUNE 14 THROUGH JUNE 22, 1962

ABSTRACT

The Martha and Storey groups of claims, located about 3 miles N.W. of the south end of Niapkish Lake, on Vancouver Island, were mapped for assessment work in June 1962. Magnetite deposits are widespread and numerous, but small.

Mineralization seems to have been controlled by fracture sets striking approximately E.W. and N. 20° W.

A helicopter survey is recommended to test this control.

## INTRODUCTION:

In July 1961 H.M. Jones and M.J. Young of this company investigated the more promising anomalies on the 1958 B.C. Ministry of Mines airborne magnetometer survey and staked claims on certain magnetite deposits that they found along Storey Creek. In June 1962 J.E. O'Rourke, C.A. Aird and E. Hills mapped the deposits in order to determine their size and to see if they could be correlated. The present report is a summary of the latter investigation of Martha Group #1-6 and Storey Claims 1-2.

## LOCATION

Nimpkish Lake is located in the northeastern part of Vancouver Island, the southern end being about 20 miles by rail from the harbor at Beaver Cove. The Martha and Storey claim groups are situated along Storey Creek about  $3\frac{1}{2}$  miles by trail N.E. of Camp N, (Figure 1).

## GEOLOGIC SETTING

The geology of the Nimpkish area has been treated in some detail by Gunning (C.G.S. Sum. Report 1929A) and Hoadley (CGS Mem. 272) who have shown that a well developed upper Triassic section of sediments and volcanics has been thrown into shallow, northwestward trending folds and intruded by granodiorite stocks or sheets with attendant pyrometasomatic ore deposition.

Comparison with nearby districts suggests the emplacement of intrusives and distribution of mineralization may be related to fracture sets trending N  $20^{\circ}$  N and N  $85^{\circ}$  W. The first set is parallel to the fold axes and probably accounts for the preservation of the syncline between Nimpkish and Bonanza lakes. The other set is reflected in the orientation of the major streams of the southern part of the area: Nimpkish River, Bonanza River, Steel Creek, Kinman Creek, Storey Creek and Noomas Creek. It is revealed by its effects on the various rock units: for example, a line drawn along Kinman Creek to Bonanza River marks the limits of two limestone belts and two stocks. Data are insufficient to prove that such fractures have exerted a direct control on mineralization, but the three principal mineral deposits of the area, namely Nimpkish Iron Co. (Klaanch), Nimpkish Copper, (Kinman Creek), and the Smith prospect are located along three such N  $85^{\circ}$  W. faults. Some possible faults in the area of the company's claims have been indicated on Figure 2.

## GEOLOGY OF THE CLAIMS

Figure 2 shows a portion of Hoadley's geologic map with known magnetite occurrences and probable faults superimposed. The rocks involved in the mineralization are limestone, granodiorite, and numerous felsite dikes.

The limestone is mostly the massive light gray or white variety typical of the lower part of the Quatsino formation. Some beds, however, consist of coarse fragments of calcite in a matrix of fine <sup>grained</sup> carbonate.

The granodiorite is composed of sodic plagioclase, hornblende, quartz, and biotite. It is medium grained, holocrystalline and isotropic. Near the main fork of Storey Creek it shows a pronounced sheeting that strikes N 80° W. and dips 15° S.W.

The dike rocks are very fine grained and difficult to classify megascopically, but show tabular phenocrysts of light green feldspar in a light colored matrix of feldspar, quartz, and mafics. The dikes are generally between 10 to 30 feet thick and several hundred feet long. The vertical walls rise sharply above the less resistant limestone to form conspicuous linear mounds. The majority of them are oriented about N 80° E.

The largest magnetite deposit is located on claim 4 of the Martha Group, (Figure 3). It is a lens 35 by 80 feet situated along a granodiorite-limestone contact that trends approximately N 80° E. The primary structural control is a sheeted zone that forms a broad, solution channel several hundred feet wide parallel to the contact. Another structural control is indicated by faulted dikes, and bedding planes oriented N. 10-30° E. Numerous pods of massive magnetite, the largest of which is about 30 feet by 5 feet, are found along felsite dikes that cut limestone. The trend of the dikes corresponds closely with the strike of the predominant fracture set, i.e. N. 80° E.

The main deposits on the Storey group are veins and lenses of massive magnetite up to 5 feet thick and 25 feet long situated along the contact of Quatsino limestone and massive greenstone about 1500 feet from a large granitic intrusive. It is not clear whether the greenstone is a flow of the Karamutsen group, or a sill. The magnetite seems to be localized by northwest fractures, and the occurrence as a whole seems to be localized at the intersection of faults striking N 85° E and N 30° W.

The deposits on Claim 5 of the Martha Group (Figures 3 & 4) differ inasmuch as they are not related to either limestone or greenstone, but occur along the edges of felsite dikes enclosed in granodiorite. Most of them are small pods, but some are veins of massive magnetite up to 1.5 feet thick and ten feet long. Garnet-epidote skarn is found in small patches along fractures, but many of the deposits have aureoles of ferromagnesian minerals, as though they were segregations of local derivation. It seems probable that most of the other deposits of the area are also

## GEOLOGY OF THE CLAIMS - Cont.

genetically related to the dikes with which they occur, although it is conceivable that extraneous mineralization was merely localized along the dike contacts.

With regard to future exploration, the most significant fact to emerge from the present examination is the structural control of mineralization as well as dike emplacement along zones of fracturing striking approximately E.W.

## GEOPHYSICS OF CLAIMS

The instrument used to obtain magnetic data on the Martha and Storey groups is a Finnish made "Jalander" vertical intensity magnetometer, serial No. 5779. It is self orienting and requires no tripod, being suspended by a shoulder strap. The instrument merely requires leveling by a circular bubble while the needle deflection in scale divisions is read. The range is from 0 to plus or minus 250,000 gammas with a sensitivity of 10, 30, 100, 300 and 1,000 gammas per scale division, respectively, over 5 operating ranges.

Procedure followed in examining each showing was to lay out a chained baseline roughly along the considered strike of the orebody and run traverse lines normal to the baseline at intervals of not more than 50 feet and often at 25 and 10 foot intervals where required. Readings with the magnetometer were then made at 25 or 10 foot intervals along the traverse lines to form a grid pattern. A plan showing the density and value of readings is supplied with each magnetic contour sketch.

Figure 3a shows the magnetics associated with a typically small deposit situated roughly on the boundary of Martha 1 and 3 mineral claims near the centre line. The magnetic contours show a strong north-easterly trend with a suggestion of a minor east to west control.

Figure 3b shows the most important deposit of the Martha group on claim 4 near the centerline. It is interpreted as a narrow northeast trending body dipping almost vertically i.e., with an attitude similar to that of some nearby dykes. The body terminates to the northeast against the intrusive and may be terminated to the southeast by an east-west fault.

Figure 4a. This showing on Martha mineral claim 6, although not economically interesting, is interesting magnetically in that the values are inordinately high and are no doubt in part responsible for the airborne magnetic anomaly in this area. The high magnetic response appears to be due to a general concentration of magnetite in the diorite intrusive with small remnants of country rock locally replaced by high grade magnetite.

GEOPHYSICS OF CLAIMS, Cont.

Figure 6a. A search for several showings, indicated by the 1961 reconnaissance to be on the north side of Storey Creek on Storey mineral claim 1, was unsuccessful. However, one showing in the creek was found and mapped and some magnetic data obtained (see fig. 6a). Another traverse located a magnetic anomaly about 500 feet further down the creek which had a maximum intensity of 45,000 gammas and was found to be due to an outcrop of magnetite, about 5 feet in thickness, occurring in limestone. Visual examination of outcrops in the creek bed showed the deposit to be small and erratic..

CONCLUSIONS

The known deposits on the Martha & Storey claims do not approach commercial size, even though mineralization is wide-spread. Chances of finding concealed deposits would seem small, since the area has already been explored by airborne magnetometer; but that survey is too broad to tell whether the anomalies are due to an aggregate effect of numerous small deposits or represent larger, concealed deposits. This question could easily be decided by a modest helicopter survey. Now that the controls of ore deposition are apparent, it would be possible to explore the central areas of the district at relatively small cost.

J.E. O'Rourke

Dr. J.E. O'Rourke,  
Geologist

C.A. Aird

C.A. Aird,  
Geologist

VANCOUVER, B.C.  
June 29, 1962

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

In the Matter of

I, GERALD A. NOEL

of Room 204, 510 West Hastings Street, Vancouver 2, B.C.

in the Province of British Columbia, do solemnly declare that I am District Geologist in charge of operations of Utah Construction & Mining Co. in the Province of British Columbia and further that during the period June 14 through June 29, 1962, Utah Construction & Mining Co. paid salaries for work actually done on and for the Martha group of six claims located in the Nanaimo Mining Division. These claims have record numbers 15419 through 15424 and were recorded on July 4, 1961.

Dr. J.E. O'Rourke was paid a total of \$300.00 for 12 days work at the rate of \$750.00/month.

C.A. Aird was paid a total of \$220.00 for 12 days work at the rate of \$550.00/month.

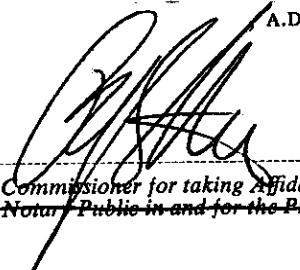
Edward Hills was paid a total of \$93.33 for 8 days work at the rate of \$350.00/month.

Thus a total of \$613.33 was spent on wages for work on and for the Martha group of claims.

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
of Vancouver, in the  
Province of British Columbia, this 3rd  
day of July, 1962 A.D.

Gerald A. Noel

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



DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.

In the Matter of

To WIT:

I, GERALD A. NOEL

of Room 204, 510 West Hastings Street, Vancouver 2, B.C.

in the Province of British Columbia, do solemnly declare that I am District Geologist in charge of operations of Utah Construction & Mining Co. in the Province of British Columbia and further that during the period June 14 through June 29, 1962, Utah Construction & Mining Co. paid salaries for work actually done on and for the Storey group of two claims located in the Nanaimo Mining Division. These claims have record numbers 15417 and 15418 and were recorded on July 4, 1961.

Dr. J.E. O'Rourke was paid a total of \$100.00 for 4 days work at the rate of \$750.00 per month.

C.A. Aird was paid a total of \$73.33 for 4 days at the rate of \$550.00 per month.

Edward Hills was paid a total of \$46.67 for 4 days at the rate of \$350.00 per month.

Thus a total of \$220.00 was spent on wages for work on and for the Storey group of claims.

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
of Vancouver, in the  
Province of British Columbia, this 3rd  
day of July, 1962, A.D.

*Gerald A. Noel*

*[Signature]*  
A Commissioner for taking Affidavits within British Columbia or  
A Notary Public in and for the Province of British Columbia

STATEMENT OF QUALIFICATIONS

THIS IS TO CERTIFY THAT I, Joseph Edward O'Rourke,  
am a U.S. citizen born at Pittsburgh (36) Pennsylvania on September  
16, 1927;

attended grade school and high school in that locality, graduating  
from Snowden High School in May 1944;

attended college at the University of Wisconsin, where I received  
a B.S. in geology in 1951 and a PhD in geology in 1958;

worked as a geologist for the U.S. Geological Survey for 4 years,  
of which 2 years were devoted to mapping 2 quadrangles in the  
Quadrilatero Ferrifero of central Brazil, and 2 years were spent on  
various economic geology projects in the continental U.S.; (1950-1956)

worked as a geologist for the U.S. Steel Corp. mapping areal geology  
in southern California and examining iron prospects in other areas of  
the western U.S. (1956-57);

worked as a minerals consultant to the government of Nepal for the  
U.S. Department of State (1957-1959);

worked as a private consultant for various mining and oil companies  
(1959-present)

J.E. O'Rourke

J.E. O'Rourke, B.S., PhD  
Geologist

VANCOUVER, B.C.  
July 4, 1962

5600

STATEMENT OF QUALIFICATIONS

THIS IS TO CERTIFY THAT I, Charles, Alexander Aird, am a Canadian citizen, born in the City of London, London, England October 18, 1925.

attended elementary and high schools in Oxfordshire, England, completing the equivalent of Grade XII at the City of Oxford High School in Oxford in 1941.

received my University education from The University of British Columbia situated at Vancouver, British Columbia and graduated from there in May, 1959 with the degree of B.Sc. in geology and mathematics, following which I spent an additional year studying geology and geophysics at the same University.

worked as a junior geologist for Mackenzie Syndicate during the summer months of May through September in 1958 and 1959 under the supervision of L.G. White, P. Eng., and as a geologist for Canada Tungsten Mining Corporation from May through November 1960 under the supervision of L.G. White, P. Eng. and C.J. Brown, Chief Geologist. Duties included sampling and geological mapping of properties with pertinent survey work, diamond drill core logging, ore reserve calculations and some assistance on magnetometer and electromagnetic surveys.

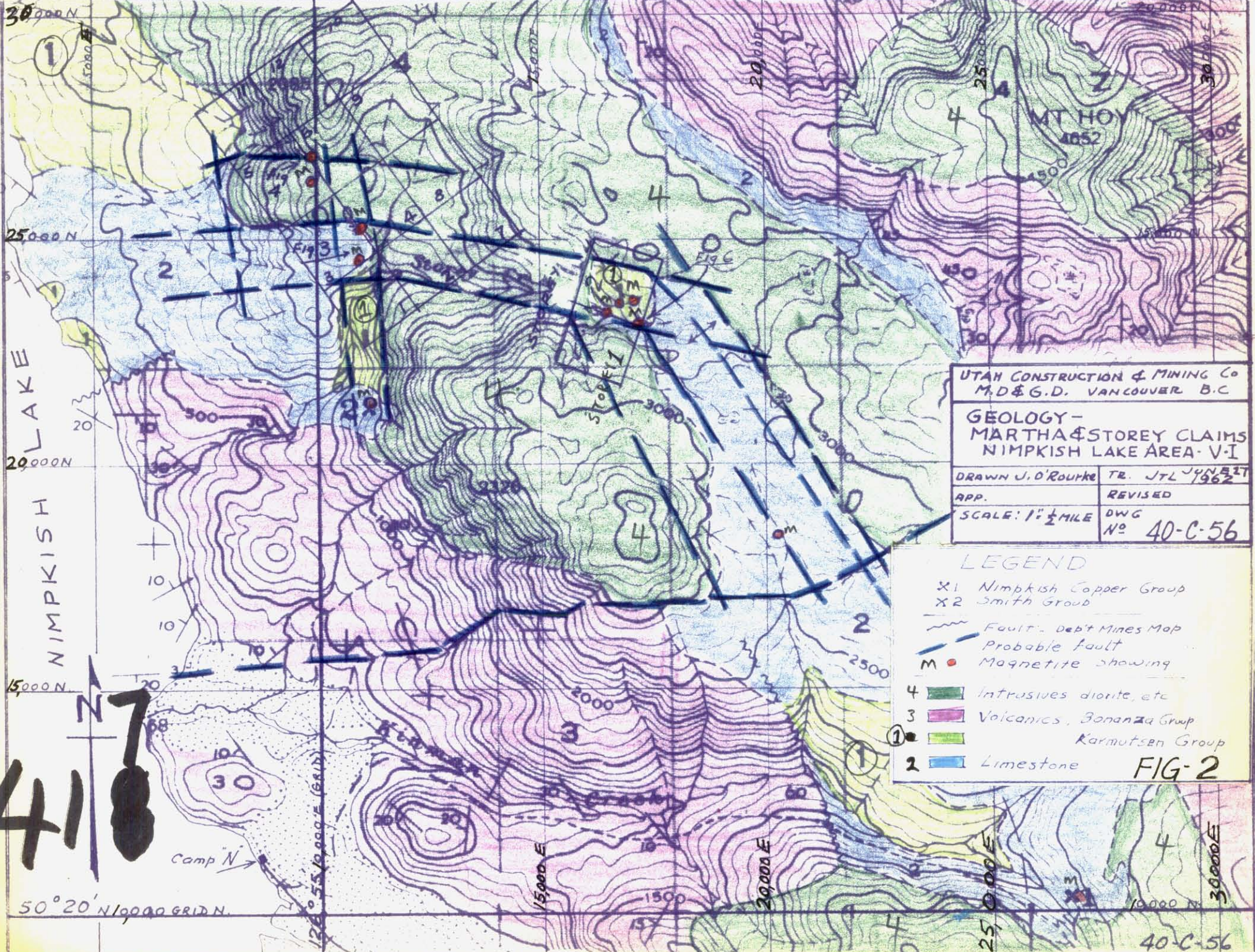
worked as a geologist for Utah Construction and Mining Co. from November 1960 to the present under the supervision of G.A. Noel, P. Eng. Duties involved diamond drill supervision, core logging, detailed geological mapping, geologic reconnaissance, magnetic surveys, and property examination.



---

Charles A. Aird, B. Sc.,  
Geologist  
Utah Construction & Mining Co.

VANCOUVER, B.C.  
July 4, 1962.



30000 N  
25000 N  
20000 N  
15000 N  
NIMPKISH LAKE  
50° 20' N / 10000 GRID N  
126° 55' 0000 E (GRID)

UTAH CONSTRUCTION & MINING Co  
M, D & G. D. VANCOUVER B.C.

GEOLOGY -  
MARTHA & STOREY CLAIMS  
NIMPKISH LAKE AREA - V-I

DRAWN J. O'Rourke	TR. JTL JUN 5 1962
APP.	REVISED
SCALE: 1" = 1/2 MILE	DWG No 40-C-56

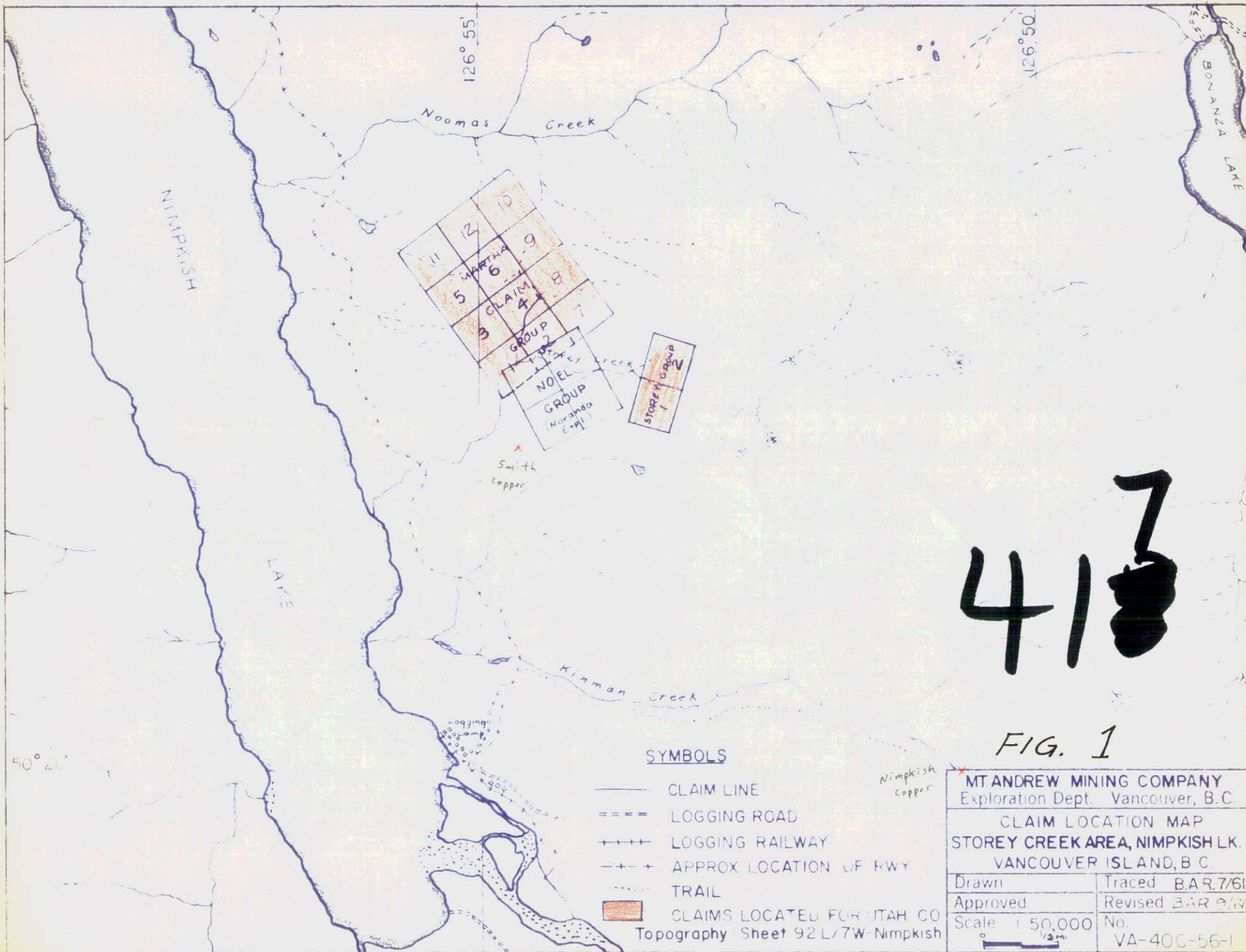
LEGEND

- X1 Nimpkish Copper Group
- X2 Smith Group
- ~~~~ Fault - Debit Mines Map
- - - - Probable fault
- M • Magnetite showing
- 4 Intrusives diorite, etc
- 3 Volcanics, Bonanza Group  
Karmutsen Group
- ① Limestone
- 2 Limestone

418

FIG-2

40-C-56



413

FIG. 1

**SYMBOLS**

- CLAIM LINE
- ==== LOGGING ROAD
- ++++ LOGGING RAILWAY
- - - - APPROX LOCATION OF RWY
- ..... TRAIL
- CLAIMS LOCATED FOR UTAH CO  
Topography Sheet 92L/7W-Nimpkish

* MT ANDREW MINING COMPANY Exploration Dept. Vancouver, B.C.	
CLAIM LOCATION MAP STOREY CREEK AREA, NIMPKISH LK. VANCOUVER ISLAND, B.C.	
Drawn	Traced B.A.R. 7/61
Approved	Revised B.A.R. 9/71
Scale 1:50,000	No. VA-40C-56-1



Department of  
 Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
 NO. 417 MAP 3A

**417**

Instrument: Jalandar #5779 magnetometer  
 Figures in gammas

UTAH CONSTRUCTION & MINING CO.  
 Vancouver, B.C.  
 MAGNETIC READINGS  
 MARTHA GROUP M.C.No.4  
 IRON SHOWING  
 STOREY CREEK, NIMPKISH LAKE V.I.  
 Scale: 1" = 50' June 1962 Drawn: C.A.A.

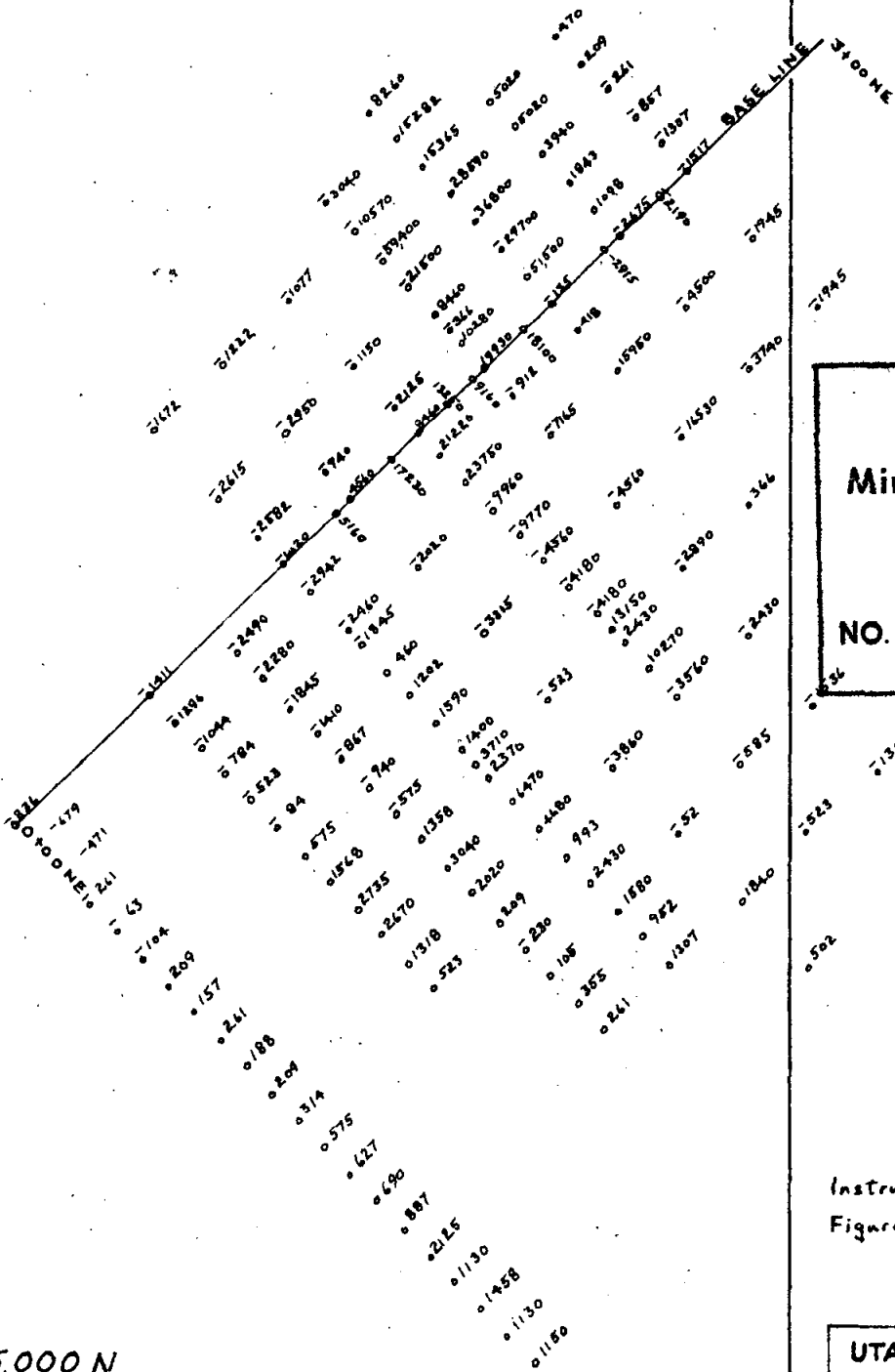
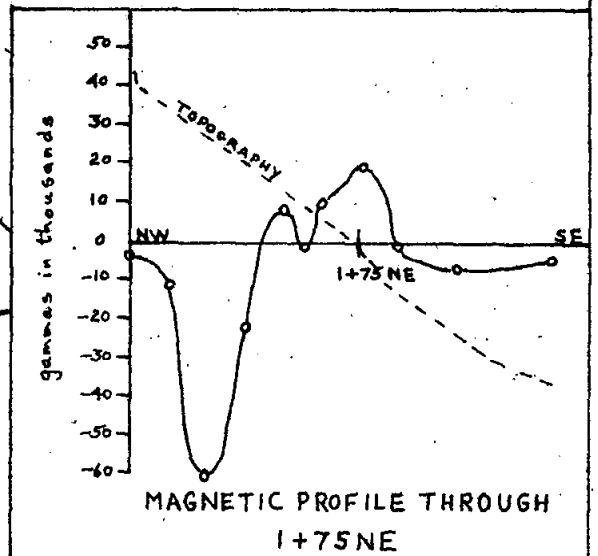
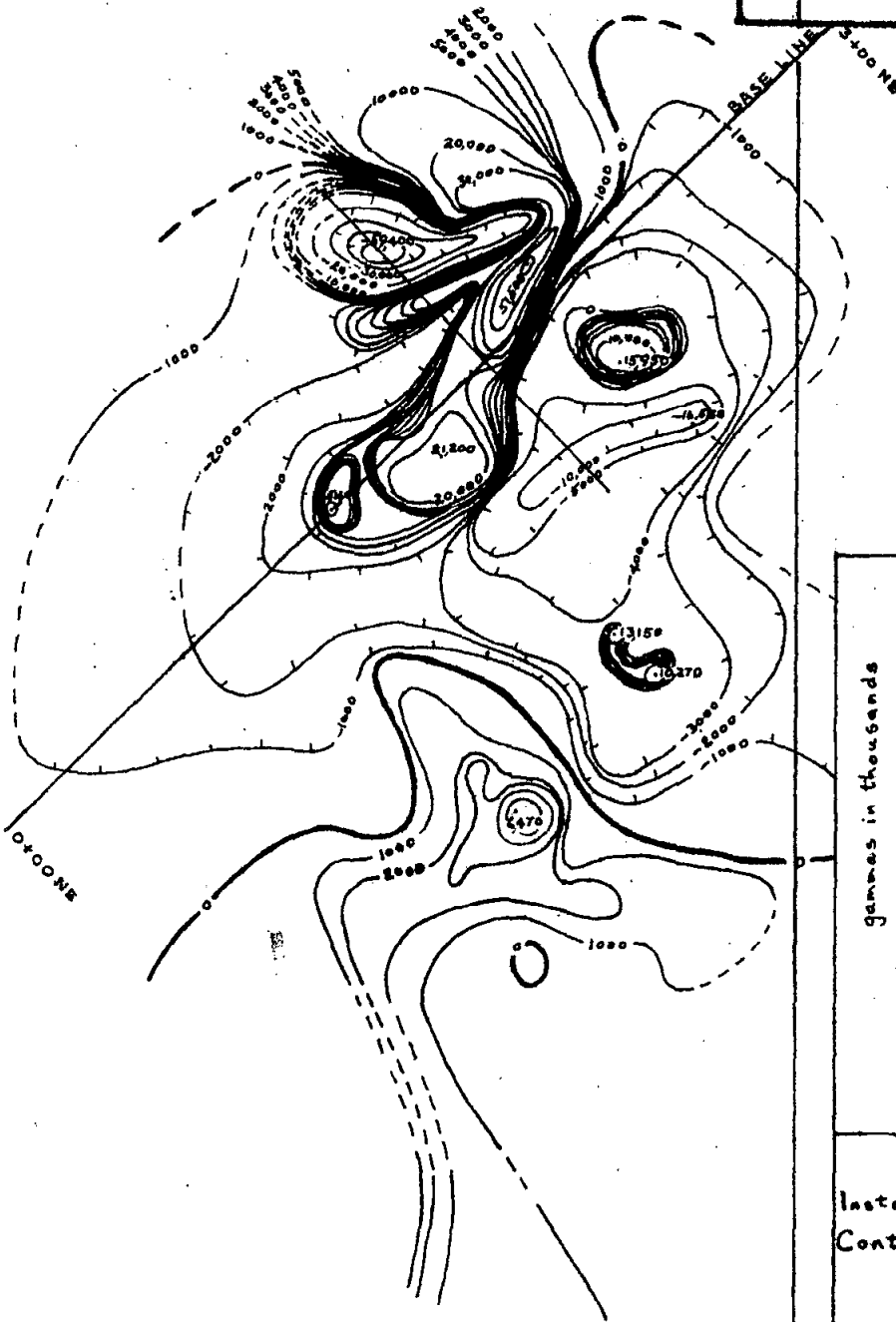


FIGURE 3A

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 417 MAP 3A



Instrument: Jalander # 5779 magnetometer  
Contour Interval:  $\pm 1000$  gammas to 5000  
 $\pm 5000$  gammas to 10000  
 $\pm 10,000$  gammas to 20000

UTAH CONSTRUCTION & MINING CO.  
Vancouver B.C.

MAGNETIC MAP  
MARTHA GROUP M.C.No.4  
IRON SHOWING  
STOREY CREEK, NIMPKISH LAKE V.I.

Scale: 1" = 50' June 1962 Drawn: C.A.A.

25,000 N

417

11,000 E

FIGURE 3A

11,000E

01338

0085 01044

01232 01107

0441 01536 0799

0070 01270 0679 0784

0539 01065 01400 0783 0784

0835 01191 01096 0836 01044 01128

0939 01159 01358 01044 01258 01358 01149

0897 01138 01320 01096 01358 01310 01221 0742

0792 01210 0280 01044 01264 01651 01200 00

0789 01204 01055 01253 0760 07703 01724 0783 084

0793 01210 01044 01202 0712 0982 01358 0835 052

0397 0793 0792 01023 0731 0418 0522 0886 0544 0209 0157

0261 0543 0626 0731 0533 0366 0345 0689 0449 00 031

01095 042 0426 0690 0595 0366 0502 0730 0522 0104 0242

0428 0313 0843 0856 01150 0784 0209 0730 0678 0627 073

052 0613 0376 0794 01830 04980 073 0543 01044 0835 0524

052 052 0438 01012 01810 03190 094 0261 01310 01462 0940

063 0261 0230 0815 01670 06600 01410 0678 0982 01106 0940

0470 0376 0261 0534 01185 06680 0730 01530 0449 0700 0920

0313 0386 0334 0585 0910 03490 01097 0971 0470 0366 0626

0522 0480 0366 0575 0647 0216 094 0426 0219 0115 0481

0417 0416 0251 0543 0502 0104 0783 0366 0188 0209 0482

0240 0460 0543 0731 0930 01152 052 0187 0438

0147 0470 0492 0637 0908 01640 01442 0261 0448

0470 0481 0647 01002 01390 04160 0460 0502

0700 0481 0627 01076 01588 03490 0104 0261

0920 0585 0710 01097 01472 04020 03500 0470

01544 0910 0805 01232 01462 04140 03408 0125

02020 01912 0835 01620 01530 02762 02980 01338

02130 03315 0730 02830 02215 01973 03070 01880

02038 04480 01410 03040 03342 02160 02740 01190

01410 01672 03500 01442 02480 03830 01610 0710

0993 01775 0773 0332 0470 01325 0366 01569

0846 0120 0366 0449 052 0272 0502

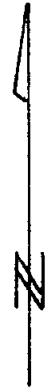
0678 0418 0678 0678 0209 031 01065

0575 0198 0272 01810

0783 0536 0178 0805

0940 0950 0387

0982 0524



BASE LINE

Instrument: Jalandar #5779 magnetometer  
 Figures in gammas

417

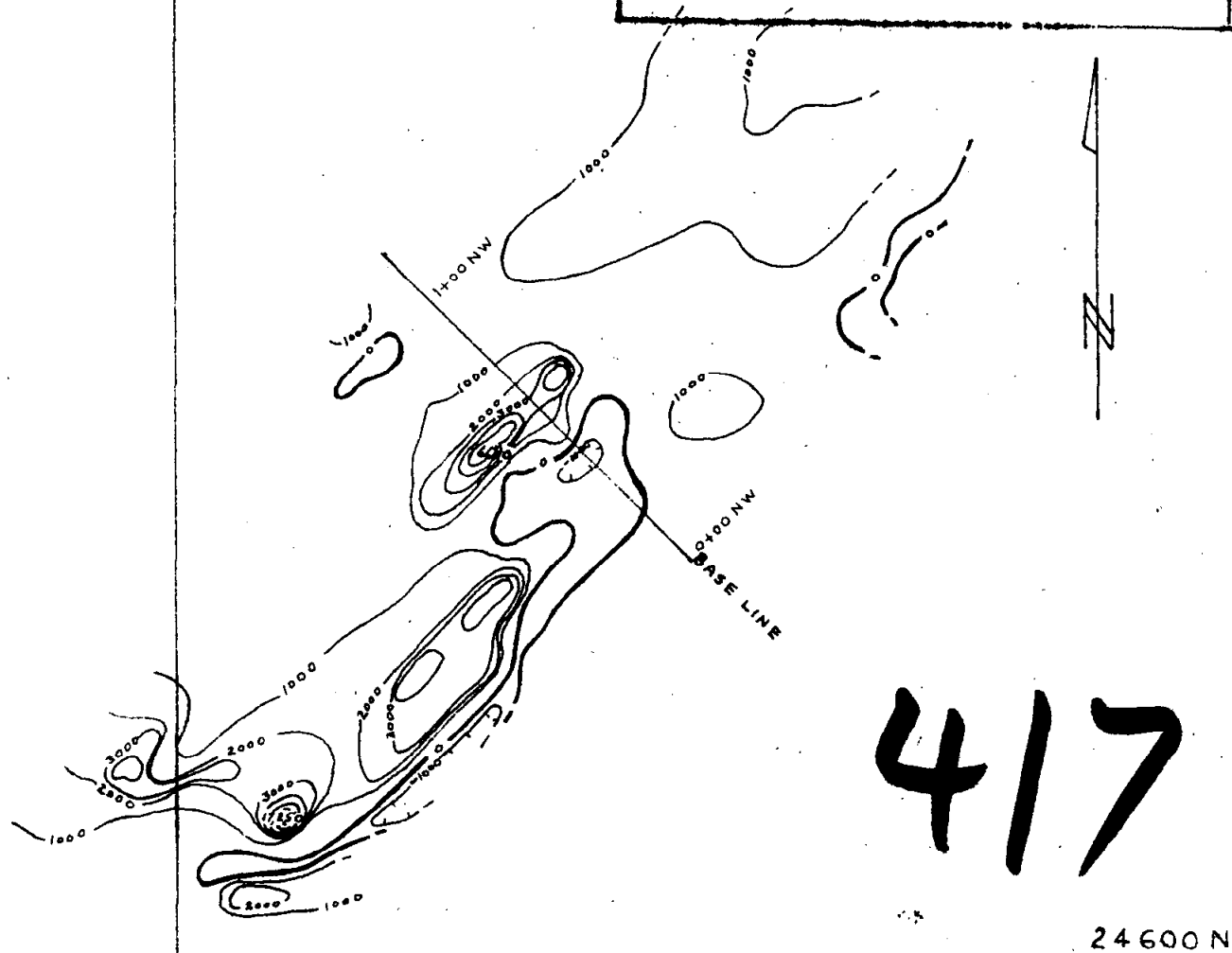
UTAH CONSTRUCTION & MINING CO.		
Vancouver B.C.		
MAGNETIC READINGS		
MARTHA GROUP M.C. Nos 1,3.		
IRON SHOWING		
STOREY CREEK, NIMPKISH LAKE V.I.		
Scale: 1" = 50'	June 1962	Drawn: C.A.A.

FIGURE 3B



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 417 M.P. 3B



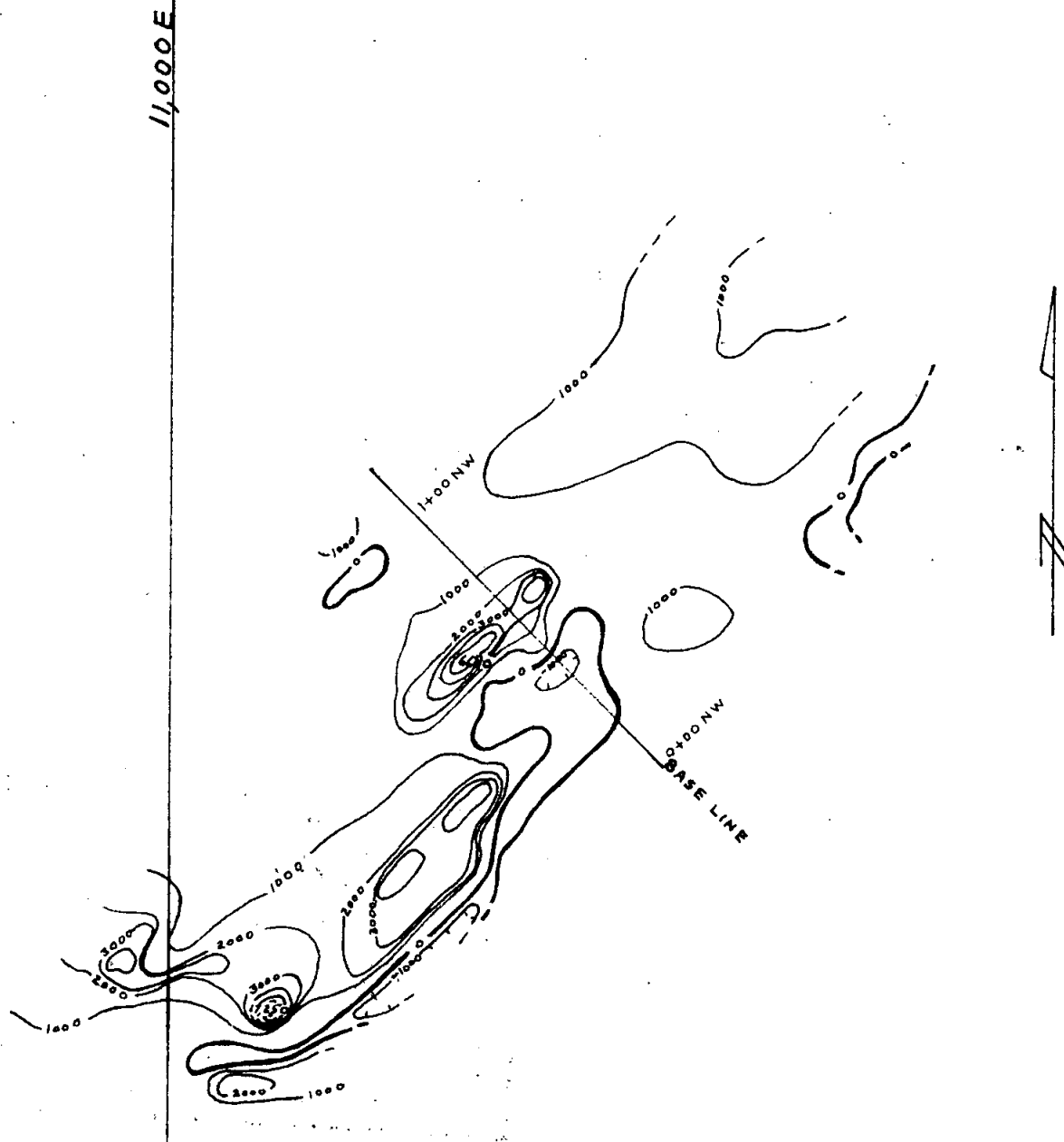
Instrument: Jalander #5779 magnetometer  
Contour Interval:  $\pm 1000$  gammas to 5000  
 $\pm 5000$  gammas to 10,000  
 $\pm 10,000$  gammas to 50,000

UTAH CONSTRUCTION & MINING CO.  
Vancouver, B.C.

MAGNETIC MAP  
MARTHA GROUP M.C.'s Nos. 1, 3.  
IRON SHOWING  
STOREY CREEK, NIMPKISH LAKE V.I.

Scale: 1" = 50' | June 1962 | Drawn: C.A.A.

FIGURE 3B



Instrument: Jalander #5779 magnetometer  
 Contour Interval:  $\pm 1000$  gammas to 5000  
 $\pm 5000$  gammas to 10,000  
 $\pm 10,000$  gammas to 50,000

417

FIGURE 3B

UTAH CONSTRUCTION & MINING CO.		
Vancouver B.C.		
MAGNETIC MAP		
MARTHA GROUP M.C.'s Nos. 1, 3.		
IRON SHOWING		
STOREY CREEK, NIMPKISH LAKE V.I.		
Scale: 1" = 50'	June 1962	Drawn: C.A.A.

11,000 E

01238

01085 01044  
 01232 01107  
 01461 01536 0794  
 0070 01170 0679 0784  
 0939 01065 01400 0783 0784  
 0835 01191 01096 0836 01094 01128  
 0939 01159 01358 01044 01258 01358 01149  
 0897 01138 01330 01096 01258 01578 01221 042  
 0992 01210 0888 01044 01264 01657 01600 00  
 0929 01204 01055 01253 0960 01703 01724 0783 084  
 0793 01210 01044 01002 0572 0982 01558 0838 052  
 0397 0793 0992 01023 0731 0418 0582 0886 0544 0209 0157  
 0261 0543 0426 0731 0533 0366 0345 0689 0449 00 031  
 01095 042 0426 0690 0595 036 0502 0730 0522 0104 0242  
 0428 0313 0573 0856 01160 0784 0209 0730 0678 0627 073  
 052 063 0376 0794 01830 0498 073 0543 01044 0835 0584  
 052 052 0438 01012 01810 03190 094 0261 01310 01462 0940  
 063 0261 0230 0815 01670 06680 01410 0678 0982 01106 0940  
 0470 0376 0261 0554 01285 0680 0730 01830 0449 0700 0920  
 0313 0386 0334 0585 0910 03490 01097 0971 0470 0366 0826  
 0522 0480 0366 0575 0607 0210 094 0626 0219 0115 0401  
 0017 0416 0251 0543 0502 0104 0783 0366 0188 0209 0482  
 0240 0460 0593 0731 0930 01152 052 0187 0438  
 0167 0470 0492 0637 0908 01640 01462 0261 0648  
 0470 0481 0647 01002 01390 04160 0460 0502  
 0700 0481 0627 01076 01388 03490 0104 0261  
 0920 0585 0710 01097 01472 04020 03500 0470  
 01544 0910 0805 01232 01462 04140 03438 0126  
 02020 01912 0835 01620 01530 02762 02980 01338  
 02130 03315 0730 02870 02215 01975 03070 01880  
 02038 04420 01410 03040 03342 02160 02740 01190  
 01410 01672 03800 01462 02480 03830 01610 0710  
 0993 01775 0773 0332 0470 07250 0366 01569  
 0846 0220 0366 0449 052 0272 0502  
 0678 0418 0678 0678 0209 031 01065  
 0575 0198 0272 01810  
 0783 0536 0178 0005  
 0940 0920 0387  
 0982 0564



BASE LINE

417

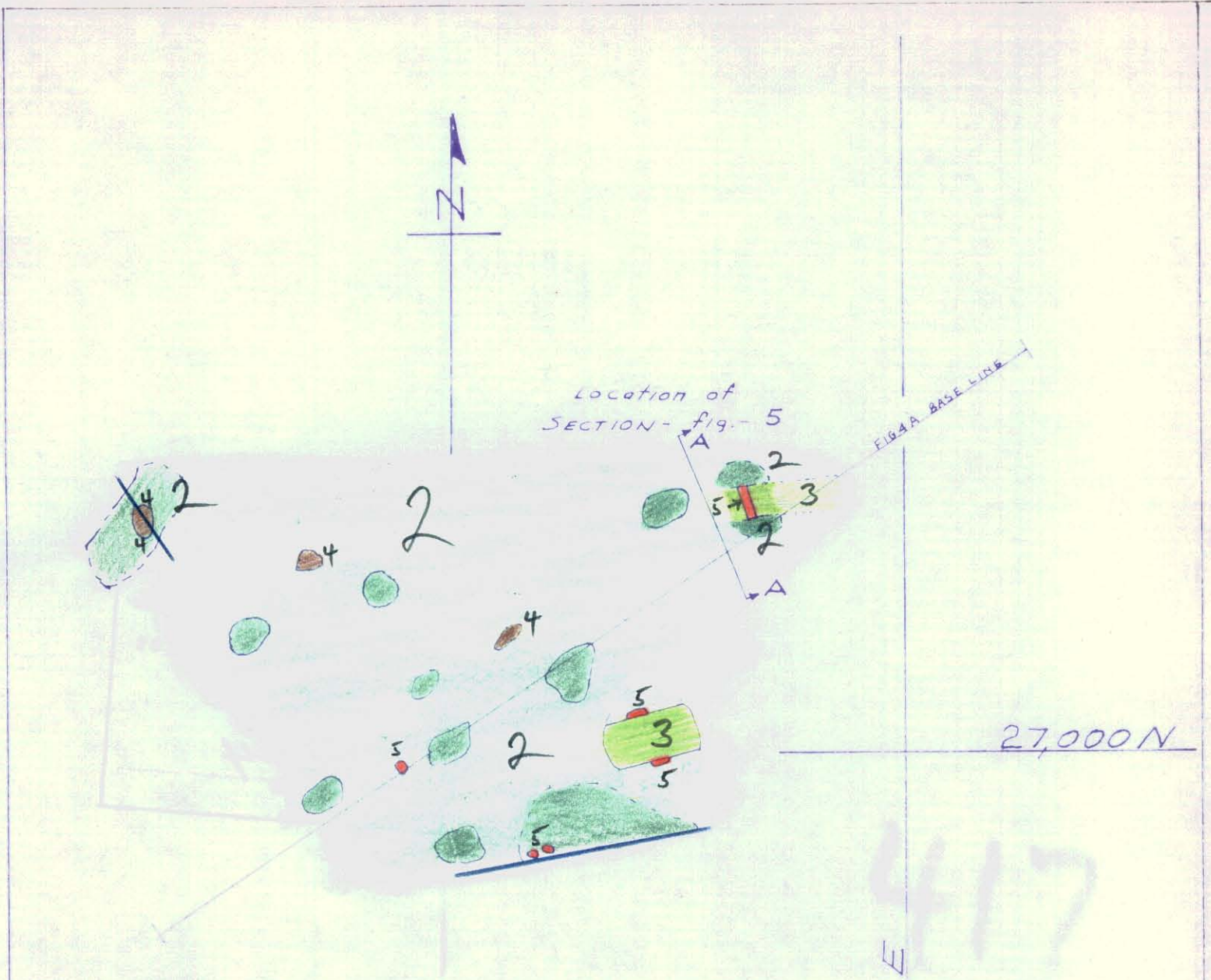
24,600 N

**Department of  
 Mines and Petroleum Resources**  
**ASSESSMENT REPORT**  
 NO. 417 MAP 3B

Instrument: Jalandar #5779 magnetometer  
 Figures in gammas

UTAH CONSTRUCTION & MINING CO. YANCOMBER, B.C.		
MAGNETIC READINGS MARTHA GROUP M.C.'s Nos 1,3. IRON SHOWING STOREY CREEK, NIMPKISH LAKE V.I.		
Scale: 1" = 50'	June 1962	Drawn: C.A.A.

FIGURE 3B



**LEGEND**

5		Magnetite
4		Skarn
3		Dikes
2		Granodiorite
1		Limestone
		Ledge
		Fault, defined - inferred
		Contact, - defined, inferred
		Vertical dip, strike
		Dip and Strike of bedding
		Limit of Outcrop.
		Outcrop - inferred

**FIG. 4**  
CLAIM 6 - MARTHA GROUP

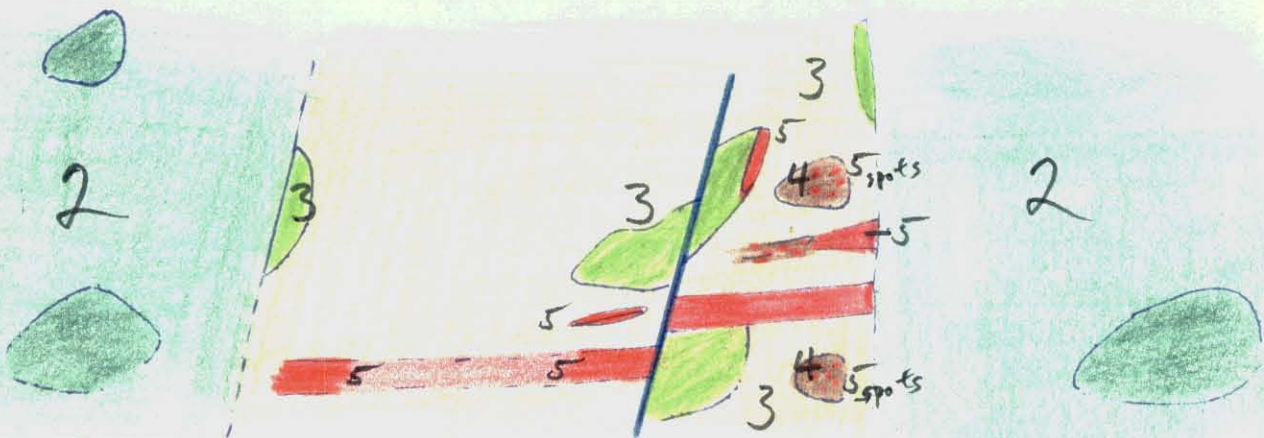
UTAH CONSTRUCTION & MINING Co M.D. & G.D. Vancouver B.C.	
<b>GEOLOGY MAP</b>	
MARTHA - STOREY CLAIMS	
NIMPKISH LAKE AREA - Van. Isl.	
DR.	TR
Approved	Revised
SCALE 1" = 50'	No 40-C-56

417



LEGEND

- 5 Magnetite
- 4 Skarn
- 3 Dikes
- 2 Granodiorite
- 1 Limestone
- Ledge
- - - Fault, defined, inferred
- · - · Contact, defined, inferred
- + Vertical dip strike
- └ Dip and strike of bedding
- Limit of Outcrop
- Outcrop - inferred



SECTION A-A- LOOKING N.E.  
(PART OF FIG. 4)

FIG. 5

MAIN SHOWING- CLAIM 6  
MARTHA GROUP

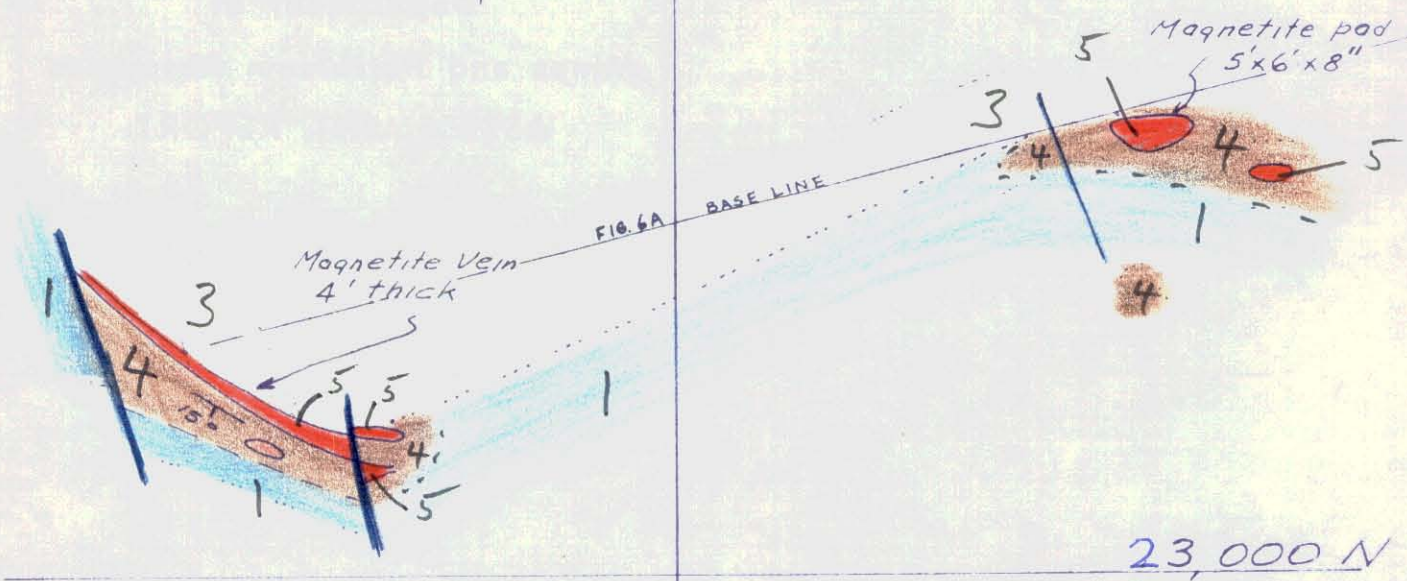
Department of  
Mineral and Petroleum Resources  
ASSESSMENT REPORT  
NO. 417 MAP 5

417

TAK CONSTRUCTION & MINING Co.  
M.D. & G.D. Vancouver B.C.  
GEOLOGY SECTION  
MARTHA-STOREY CLAIMS  
NIMPKISH LAKE AREA  
DR TR  
Approved Revised  
SCALE 1"=10' NO 40-C-56



STOREY CREEK



LEGEND

5	Magnetite
4	Skarn
3	Dikes
2	Granodiorite
1	Limestone
	Ledge
	Fault, defined - inferred
	Contact, defined, inferred
	Vertical dip, strike
	Dip and strike of bedding
	Limit of Outcrop
	Outcrop - inferred

17,200 E

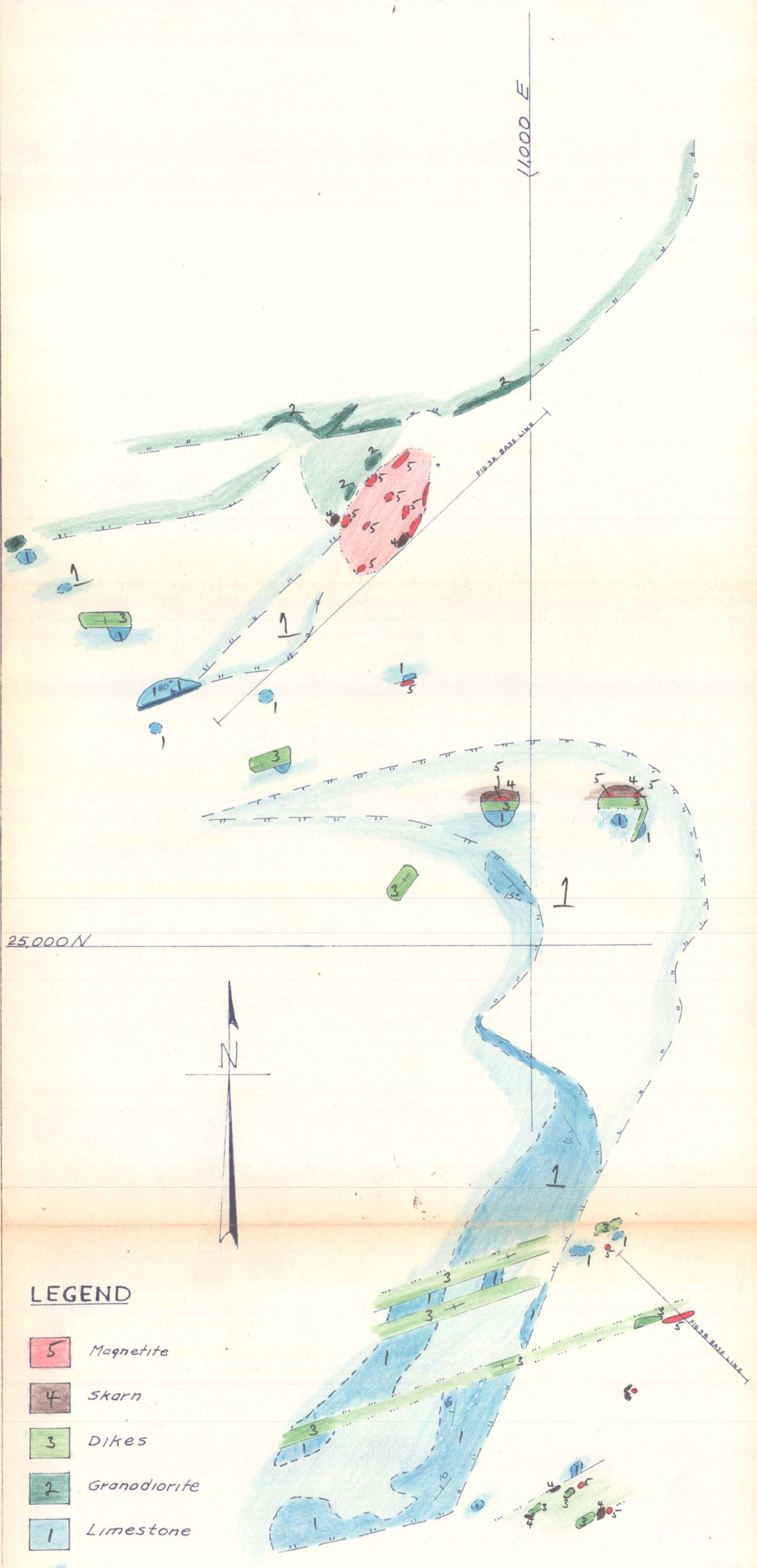
417

FIG. 6  
MAIN SHOWING. -  
STOREY GROUP

UTAH CONSTRUCTION & MINING Co M.D. & G.D Vancouver B.C.	
GEOLOGY MAP MARTHA-STOREY CLAIMS NIMPKISH LAKE AREA - Van. Isl.	
DR. J. O'ROURKE	TR. 7 <sup>th</sup> 2 <sup>nd</sup> JUNE-1962
Approved	Revised
SCALE 1" = 10'	N <sup>o</sup> 40-C-56







**LEGEND**

- 5 Magnetite
- 4 Skarn
- 3 Dikes
- 2 Granodiorite
- 1 Limestone

- Ledge
- Fault
- Contact-defined, inferred
- Vertical dip, strike
- Dip and strike of bedding
- Limit of Outcrop-defined
- Limit of Outcrop-inferred

Department of  
 Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
 NO. 417 MAP 3

**FIG. 3**  
 CLAIMS 1 and 4  
 MARTHA GROUP.

417

UTAH CONSTRUCTION & MINING Co M.D. & G.D. Vancouver B.C.	
GEOLOGY MAP	
MARTHA-STOREY CLAIMS	
NIMPKISH LAKE AREA - Van. 131.	
DR. J. O'ROURKE Tr.	JUL 29-June 62
Approved	Revised
SCALE 1" = 50'	NO 40-C-56