

MALARTIC GOLD FIELDS LIMITED

REPOR

ON

CLAIMS IN THE VICINITY OF AUSTIN BAY, LAKE TIMAGAMI,

VOGT TOWNS HIP, ONTARIO.

HALET, QUEBEC.

APRIL 4, 1957.

ASSESSMENT WORK

Resident Geologist

COBALT

Deta UN 27/58

Resident Geologist



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GEOLOGICAL - REPORT

AUSTIN BAY AREA, VOGT TOWNSHIP, ONTARIO

INTRODUCTION

PROPERTY: THE PROPERTY CONSIDERED IN THIS REPORT CONSISTS OF THE FOLLOWING. TWENTY-FIVE CLAIMS (SEE MAP No. 1):

(1) 5 CLAIMS: NUMBER 36567-36569, 36574 AND 36871 STAKED BY B. SIROLA, COBALT, ONTARIO: LICENSE No. 815082.

(2) 9 CLAIMS: NUMBER 36314-36321 STAKED BY B. HERMISTON, COBALT, ONTARIO;

(3) 6 CLAINS: NUMBER 39153-39158 STAKED BY B. H. RILEY, NORTH BAY, ONTARIO; LICENSE No. B21556.

(4) 6 CLAIMS: NUMBER 40436-40441 STAKED BY B. H. RELEY, NORTH BAY, ONTARIO; LECENSE No. B21556.

THESE CLAIMS ARE LOCATED IN THE VICINITY OF AUSTIN BAY, AN OFFSHOOT OF THE SOUTH ARM OF LAKE TEMAGAMI "AY MATED IN THE EAST CENTRAL PORTION OF VOGT TOWNSHIP, ONTARIO.

ACCESSIBILITY: THE AREA MAY BE REACHED BY BOAT FROM THE VILLAGE OF TEMAGAMI ON THE ONTARIO NORTHLAND PAILWAY, BY LOGGING ROAD FROM THE VILLAGE OF RIVER VALLEY IN CRERAR TOWNSHIP ON THE STURGEON RIVER AND, OF COURSE, BY AIR.

THE ONTARIO NORTHLAND BOAT LINE RUNS A SCHEDULED SERVICE FROM TIMAGAMI TO CAMP ACOUCHICHING ON THE SOUTH ARM OF LAKE TIMAGAMI AND IT IS ONLY A SHORT VOYAGE FROM HERE TO AUSTIN BAY. THE FIELD LUMBER COMPANY MAINTAINS A WINTER LOGGING ROAD FROM RIVER VALLEY TO AUSTIN AND OUTLET BAYS AND THIS ROUTE IS USEABLE BY FOUR-WHEEL DRIVE VEHICLES IN SUMMER AS WELL. LAKELAND AIRWAYS OPERATES A CHARTER AIR SERVICE FROM THE TOWN OF TIMAGAMI USING LIGHT AIRCRAFT WITH SMALL-LOAD CAPACITY.

HISTORY: DURING THE SUMMER OF 1955 THE WESTERN PART OF THE PROPERTY, CONSISTING OF CLAIMS \$36567-36569, \$36574, \$36871 AND \$36314-\$36321, WAS STAKED UNDER THE DIRECTION OF JOHN STROLA, COBALT, ONTARIO FOR MALARTIC GOLD FIELDS LIMITED. This area was considered favourable because of it's proximity to an area to the West where drilling of a radioactive showing was in progress. In January of 1956, Mr. Strola returned to the Claims to Examine Rusty zones which he had noticed during (Cont'd. on Next Page)

HISTORY, CONTED.

STAKING OPERATIONS THE PREVIOUS SUMMER. HE DID A LIMITED AMOUNT OF MAGNETIC AND ELECTROMAGNETIC SURVEYING IN THE AREA AND FOUND ANOMALOUS CONDITIONS (SEE MAP No. 2). By STRIPPING OFF SHOW AND LIGHT OVERBURDEN HE UNCOVERED OTHER RUSTY ZONES. ON THE STRENGTH OF THIS, SIX ADDITIONAL CLAIMS (#39153-39158) WERE STAKED TO THE EASTWARD IN FEBRUARY AND IN MAY ANOTHER SIX CLAIMS (#40436-#40441) WERE ADDED.

BETWEEN FEBRUARY AND NOVEMBER OF 1956, WORK CARRIED OUT IN THE VICINITY OF AUSTIN BAY CONSISTED OF STRIPPING OUTCROPS, RECOMMAISSANCE AND DETAIL GEOLOGICAL MAPPING, PACKSACK DIAMOND DRILLING, LINE CUTTING, GEOCHEMICAL AND GEOPHYSICAL SURVEYING.

FIELD WORK: IN JUNE, 1956, M. BELLAND MADE A RECONNAISSANCE GEOLOGICAL SURVEY OF THE CLAIM TIMES AND THE SHORES OF AUSTIN BAY (SEE MAP No. 3). HE ALSO MADE A MORE DETAILED SURVEY IN THE VICINITY OF THE SHOWINGS ON CLAIM #36317 (SEE MAP No. 4) USING THE BLAZEJ COMPASS AND PACE BASE LINE AND TRAVERSE LINES ESTABLISHED BY J. SIZOLA.

ABOUT THIS TIME THE SHOWINGS WERE TESTED WITH A PACKSACK DIAMOND DRILL.

Two cross sections were made totalling 351 feet in SIX holes, four of which were drilled on the westerly showing and two on the easterly one (see maps No. 5, 6 & 7).

IN JULY AND AUGUST, 1956 FIFTEEN MILES OF LINE WERECUT AND PICKETED AT 100 FOOT INTERVALS TO FORM A BASE FOR GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL SURVEYS.

GEOLOGY

THE CONSOLIDATED ROCKS OF THE AREA ARE ALL OF PRECAMBRIAN AGE AND ARE DIVIDED INTO THREE GROUPS WHICH ARE DESCRIBED BELOW (SEE MAPS No. 3 & 8).

TABLE OF FORMATIONS:

PLEISTOCENE & RECENT - GLACIAL TILL AND TALUS.

HURONIAN - COBALT SERIES

- S 4 QUARTZITE AND ARKOSIC QUARTZITE
- S 3 GREYWACKE
- S = 2 = GREYWACKE CONGLOMERATE : PREDOMINANTLY GREYWACKE CONTAINING SPACIALLY DISTRIBUTED, WELL ROUNDED PERBLES AND CORBLES.
- S- 1 CONGLOMERATE : WELL ROUNDED COBBLES AND BOULDERS IN A MATRIX OF QUARTZITE AND GREYWACKE.

POST-KEEWATIN

4 - DIABASE

1G - GRANITE

KEEWATIN

- K = 4 TUFF AND/OR SEDIMENTS: UNIFORMLY BANDED, FINE GRAINED, ARGILLACEOUS WITH OCCASIONAL BANDS OF GREYWACKE-LIKE MATERIAL.
- K = 3 ACID VOLCANICS: VERY FINE GRAINED, POSSIBLE CHERT IN PART.
- K 2 IRON FORMATION
- K = 1 = INTERMEDIATE TO BASIC VOLCANICS: ANDESITE SOME PILLOW LAVAS, POSSIBLY IN PART FINE GRAINED PHASES OF THE DIABASE.

IN THE PRECEDING TABLE THE MAJOR ROCK UNITS ARE ARRANGED IN CHRONOLOGICAL ORDER WITH THE YOUNGEST AT THE TOP. HOWEVER, THE RELATIVE AGES OF THE FORMATIONS WITHIN EACH UNIT ARE NOT KNOWN EXCEPT THAT THE BASE OF THE COBALT SERIES IS CHARACTERISTICALLY MARKED BY COARSE GRAINED CONGLOMERATE.

KEEWATIN: ROCKS OF KEEWATIN AGE UNDERLY APPROXIMATELY ONE THIRD OF THE

CLAIM GROUPS AND CONSIST OF INTERBEDDED VOLCANICS AND SEDIMENTS. THESE ROCKS

FORM A BELT ON THE WEST SIDE OF A SENIES OF LOW HILLS BETWEEN SUNKEN LAKE

AND AUSTIN BAY AND ALSO CROP OUT OVER A LARGE AREA OF ROLLING HILLS

SOUTHEAST OF SUNKEN LAKE. THE SERIES IS COMPOSED CHIEFLY OF FLOW ROCKS

AND FINELY BANDED TUFFS AND/OR SEDIMENTS BUT INCLUDES A FEW BANDS OF

SILICEOUS TUFF WHICH ARE PARTLY FRAGMENTAL.

KEEWATIN, CONTINUED

THE FLOW ROCKS ARE INTERMEDIATE TO BASIC IN COMPOSITION, OF THE TYPE GENERALLY CALLED "ANDESTYE" IN THE FIELD, AND IN SOME CASES EXHIBIT. PELLOW STRUCTURES. THEY ARE USUALLY MATHER FINE GRAINED WITH A GREEN TO DARK GREEN COLOUR WHICHTURNS GREY OR GREYISH-BROWN ON WEATHERING. THEY ARE EASILY RECOGNISED BY THEIR MASSIVE APPEARANCE IN THE CUTCROP BROKEN ONLY BY CLOSELY SPACED JOINTS OR OCCASIONALLY BY THE DEVELOPMENT OF FOLIATION.

THESE ROCKS, WHERE PILLOW STRUCTURES ARE ABSENT, OFTEN CANNOT BE DISTINGUISHED FROM BORDER PHASES OF THE DIABASE.

TUFFS AND SEDIMENTS ARE INTERBEDDED WITH THE FLOW ROCKS BUT ARE EASILY DISTINGUISHED FROM THEM BY THEIR BANDED APPEARANCE. THEY ARE COMPOSED OF MARROW BANDS OF ROCK WITH CONTRASTING GRAIN SIZE. ON THE ONE HAND ARE BANDS OF VERY FINE GRAINED, DARK GREY TO GREENISH, SHALY MATERIAL AND ON THE OTHER THE BANDS CONSIST OF MEDIUM TO COARSE GRAINED, GREYWACKE-LIKE MATERIAL. THERE ARE, OF COURSE, ALL STAGES BETWEEN THESE EXTREMES AND COMMONLY THERE IS NO SHARP CONTACT BETWEEN ADJACENT BANDS. UNIFORMLY BANDED IRON FORMATION CONSISTING OF VERY THIN BANDS OF FINE-GRAINED MAGNETITE AND CHERT ALSO OCCURS IN THIS SERIES AND IS WELL EXPOSED ON THE NORTH FACE OF A PROMINENT RIDGE ABOUT 400 FEET OUTSIDE THE SOUTHWEST CORNER OF THE CLAIM GROUP.

BANDS OF HIGHLY SILICEOUS PALE GREY TO YELLOWISH GREY ROCK WERE
OBSERVED AT A NUMBER OF HORIZONS IN THE KEEWATIN. THESE ARE PRINCIPALLY
ACID VOLCANICS AT LEAST PART OF WHICH ARE FRAGMENTAL. HOWEVER, SOME VERY
FINE GRAINED, MASSIVE PHASES STRONGLY RESEMBLE CHERT WHILE OTHERS, EXHIBITING
INDISTINCT AND IRREGULAR BANDING, RESEMBLE RHYOLITE. THESE ROCKS ARE
CHARACTERIZED BY THE PRESENCE OF SULPHIDES, PRINCIPALLY PYRRHOTITE WITH
MINOR AMOUNTS OF PYRITE AND CHALCOPYRITE, WHICH GIVE THE OUTCROP A VERY
RUSTY APPEARANCE.

POST-KEEWATINE

THE GRANITE INCLEDED IN THIS BROUP WAS NOT SEEN BY THE AUTHOR BUT WAS OBSERVED BY 14. BELLAND (SEE MAP No. 3) IN THE SOUTHEAST CORNER OF CLAIM #40441 AND WAS ALSO REPORTED BY J. SIROLA.

A LARGE BODY OF DIABASE OCCURS JUST WEST OF SUNKEN LAKE ON CLAIMS #36319 AND 36320 AND WAS ALSO OBSERVED IN ONE OUTCROP ON CLAIM #39156.

THE ROCK IS TYPICALLY EDITIN GRAINED, DARK GREY IN COLOUR WITH A BROWNISH WEATHERED SURFACE AND EXHIBITS DIABASIC TEXTURE. IT APPEARS TO BE INTRUSIVE INTO THE KEEWATILI ALTHOUGH IN THE ONE OUTCROP - NEAR POST #1, CLAIM #36318 - WHERE THE CONTACT WAS OBSERVED, THE DIABASE SEENED TO PASS GRADUALLY, WITH DECREASING GRAIN SIZE, INTO TYPICAL ANDESITE. EVIDENCE OF THE INTRUSIVE NATURE OF THIS ROCK IS PROVIDED BY THE LINE OR NATURE OF IT®S CONTACT WITHOUT REGARD TO TOPOGRAPHY AND THE OCCURRENCE OF A CHILLED BORDER ZONE ALONG THIS CONTACT.

THE RELATIONSHIP BETWEEN THE DIABASE AND THE COBALT SERIES IS NOT CLEAR. NORTHEAST OF SUNKEN LAKE THEY ARE PROBABLY SEPARATED BY A FAULT. EAST OF SUNKEN LAKE THERE IS INSUFFICIENT EVIDENCE TO DEFINITELY INDICATE THEIR RELATIONSHIP BUT THE COBALT IS INTERPRETED TO BE OVERLYING THE DIABASE.

HURONIAN: HURONIAN ROCKS ARE REPRESENTED BY COARSE, CLASTIC SEDIMENTS OF THE COBALT SERIES. THE BASE OF THIS SERIES IS GENERALLY MARKED BY A VERY COARSE, POORLY SORTED CONGLOMERATE PRINCIPALLY COMPOSED OF ROUNDED COBBLES OF GRANITIC MATERIAL IN A GREYWACKE-TYPE MATRIX. SLIGHTLY YOUNGER PHASES OF THE CONGLOMERATE EXHIBIT PEBBLES AND COBBLES SPACIALLY DISTRIBUTED IN POORLY BANDED GREYWACKE. THIS GRADES UPWARD THROUGH GREYWACKE INTO QUARTZITE, ARKOSIC QUARTZITE AND INTERBEDDED QUARTZITE, SILTSTONE AND MUDSTONE CONTAINING SCATTERED ROUNDED PEBBLES OF GRANITIC MATERIAL.

THESE ROCKS COVER ABOUT SIXTY PERCENT OF THE CLAIM GROUP AND OVERLIE

THE KEEVATIN GROUP WITH ANGULAR UNCONFORMITY. THEY TREND IN A NORTHEASTERLY

DIRECTION AND DIP TO THE NORTHWEST AT ANGLES OF 150 TO 250.

STRUCTURAL GEOLOGY: STRUCTURALLY, THE CLAIM GROUP IS DIVIDED INTO THREE PARTS

THE EXTENSION OF COBALT ROCKS SOUTHWARD OPPOSITE THE DIABASE AND SEPARATED FROM IT BY A PROMINENT BULLY STRONGLY INDICATES THE PRESENCE OF A FAULT AT THEIR CONTACT. ALSO, WEST OF SUNKEN LAKE THE KEEWATIN ROCKS TREND IN AN EASTERLY TO EAST-SOUTHEASTERLY DIRECTION AND DIP VERTICALLY TO STEEPLY NORTH WHILE NORTH OF THIS LAKE TWO OUTCROPS OF KEEWATIN SEDIMENTS SHOW A NORTHERLY TREND WITH VERTICAL DIP.

EAST OF SUNKEN LAKE THE KEEVATIH TRENDS IN A SOUTHEASTERLY DIRECTION SUGGESTING THAT YET ANOTHER FAULT SEPARATES THIS AREA FROM THAT NORTH OF THE LAKE. Such a Fault would be located approximately on the long axis of Sunken Lake, as postulated by Belland (Map No. 3) and, in Fact, air photographs show a topographic lineament passing through this place.

VERY LITTLE EVIDENCE OF FOLDING WAS OBSERVED IN THE AREA. IN CLAIM \$36318 A SMALL DRAG FOLD OCCURS ADJACENT TO WHAT WAS INTERPRETED TO BE THE FAULT-LINE SCARP OF A STRIKE FAULT IN THE KEEWATIN GROUP. NEAR THE EAST BOUNDARY OF THE CLAIM GROUP THERE IS A BROAD FLEXURE IN THE KEEWATIN INDICATED BY A GRADUAL CHANGE IN STRIKE OF THE SEDIMENTS.

ECONOMIC GEOLOGY: ECONOMIC INTEREST IN THE CLAIMS IS CENTRED ON THE OCCURRENCE OF COPPER VALUES IN THE BANDS OF SILICEOUS ROCK FOUND IN THE KEEWATIN GROUP. NOTHING OF COMMERCIAL VALUE HAS BEEN FOUND TO DATE AND THE BEST SAMPLE, OBTAINED FROM DIAMOND DRILL CORE, YIELDED 0,84% COPPER, 0.31 ozs.

MINERALIZATION CONSISTS OF PYRRHOTITE WITH MINOR AMOUNTS OF PYRITE AND CHALCOPYRITE AND GENERALLY OCCURS DISSEMBNATED THROUGHOUT THE ROCK.

HOWEVER, IN THE EASTERLY SHOWING ON GLAIM #36317 THERE IS A TWO INCH WIDE SAND OF MASSIVE PYRRHOTITE.

DIAMOND DRILLING

IN THE SPRING OF 1956 DIAMOND DRILLING WAS UNDERTAKEN TO TEST RUSTY ZONES ON CLAIM #36317. SIX HOLES WERE DRILLED TOTALLING 351 FEET. FOUR OF THE HOLES WERE DESIGNED TO CROSS SECTION THE WESTERLY SHOWING AND THE REMAINING TWO WERE ON THE EASTERLY ONE. Maps No. 5, 6 & 7 show these holes in Plan and Section AND A LOG OF THE CORE FROM EACH HOLE IS INCLUDED BELOW. THE CORE IS STORED AT HALET, P.Q.

GEOCHEMICAL SURVEY

A GEOCHEMICAL SURVEY WAS MADE ON THE CLAIM GROUPS STAKED BY B. HERMISTON AND B. H. RILEY AND COVERED PARTS OF THE FOLLOWING SEVENTEEN CLAIMS:
#36314-#36320, #39153-#39158, #40436-#40439. A TOTAL OF 79,150 FEET OF LINE
WAS CUT AND PICKETED FOR THIS WORK AND 1,070 SOIL SAMPLES WERE COLLECTED AT
INTERVALS OF 50 AND 100 FEET. ALE OF THE SAMPLES WERE ANALYSED FOR COPPER
CONTENT AND THOSE TAKEN AT 100 FOOT INTERVALS WERE ALSO ANALYSED FOR ZINC
AND LEAD. THE ANALYSES WERE MADE IN THE LABORATORIES OF MALARTIC GOLD
FIELDS LIMITED AT HALET, P.Q. USING THE DITHIZONE METHOD OF COLORIMETRIC
ANALYSIS.

RESULTS OF THIS WORK SHOW AREAS OF GOOD COPPER VALUES ON CLAIMS \$40438 AND \$40439 AND A SCATTERING OF VALUES IN CLAIM \$30317. (SEE MAP NO. 9). THESE ANOMALIES MAY SE EXPECTED TO BE SLIGHTLY APART FROM THE GEOPHYSICAL INDICATIONS DUE TO HIGRATION OF THE IONS DOWN SLOPE.

GEOPHYSICAL SURVEYS

SELF-POTENTIAL AND MAGNETIC SURVEYS WERE UNDERTAKEN USING THE PICKET LINES ESTABLISHED FOR THE GEOCHENICAL SURVEY.

SELF-POTENTIAL SURVEY: A SELF-POTENTIAL SURVEY WAS MADE OVER PARTS OF THE FOLLOWING SIXTEEN CLAIMS: #36314-#36320; #39153-#39157; #40436-#40439. A TOTAL OF 65,900 FEET OF LINE WAS COVERED WITH READINGS TAKEN AT 100 FOOT INTERVALS. A LEEDS AND NORTHRUP POTENTIOMETER WAS USED TO MEASURE THE POTENTIAL DIFFERENCES AND THE "LEAP-FROG" METHOD OF SURVEYING WAS EMPLOYED.

RESULTS OF THIS WORK SHOW STRONG NEGATIVE ANDHALIES ON CLAIMS
#36317, #40439 AND #40436 CONFIRMING THE RESULTS OF THE GEOCHEMICAL SURVEY AND
GIVING MORE ACCURATE LOCATION OF THE OXIDIZING SULPHIDE ZONES; 1.E. THE
PRESUMED SOURCE OF COPPER IONS IN THE SQIL (SEE MAPS NO. 10 & 11).

MAGNETIC SURVEY: A MAGNETIC SURVEY WAS MADE COVERING PARTS OF THE FOLLOWING
FIFTEEN CLAIMS: #36314-#36320; #39153-#39156; #40436-#40439. A TOTAL OF
51,050 FEET OF LINE WAS TRAVERSED WITH READINGS TAKEN AT INTERVALS OF 100
FEET. AN ARVELA MAGNETOMETER WAS USED WITH AN AVERAGE SCALE CONSTANT OF
25.6 GAMMAS PER DIVISION AND AN ACCURACY OF ABOUT - GAMMAS. THE MAIN BASE
STATION WAS LOCATED ON THE SOUTH SHORE OF AUSTIN BAY AND WAS ARBITRARILY
ASSIGNED THE VALUE OF 20 SCALE DIVISIONSOR 5,080 GAMMAS. AUXILIARY BASE
STATIONS WERE ESTABLISHED ALONG THE EAST-WEST BASE LINE.

RESULTS OF THIS WORK INDICATE POSITIVE HAGNETIC ANOMALIES ON CLAIMS: #36317 AND #40439, CONFIRMING THE LOCATION OF ZONES OF POSSIBLE ECONOMIC INTEREST INDICATED BY PRECEDING WORK. THE SURVEY: ALSO INDICATES THOSE ZONES WHICH HIGHT BE EXPECTED TO CARRY A LARGE PERCENTAGE OF PYRRHOTITE (SEE MAP No. 12).

SUMMARY AND RECONMENDATIONS

WORK TO DATE HAS SHOWN THE PRESENCE OF RUSTY ZONES OF SILICIOUS TUFF IN AN ASSEMBLAGE OF ANDESITE AND TUFF OR SEDEMENTS. THE RUSTY ZONES ARE MINERALIZED WITH DISSEMINATED PYRITE, PYRRHOTITE AND CHALCOPYRITE. VALUES IN COPPER, GOLD AND SILVER ARE LOY. THE BEST SAMPLE GAVE 0.84% COPPER, 0.31 DZS. SILVER AND 0.02 DZS. GOLD OVER A CORE LENGTH OF 2.6 FEET.

GEOCHENICAL, MAGNETIC AND SELF-POTENTIAL ANOMALIES ARE ASSOCIATED WITH THE RUSTY ZONES AND INDICATE THAT MORE EXTENSIVE WORK SHOULD BE DONE ON CLAIMS.

IT IS RECOMMENDED THAT ELECTROMAGNETIC SURVEYS BE DONE, TO TEST THESE RUSTY ZONES FOR MASSIVE SULPHIDES AND THAT THE LINE CUTTING AND SEOPHYSICAL WORK BE EXTENDED TO THE SOUTH ON THE EASTERLY CLASH GROUP TO INCLUDE CLASHS \$40440 AND \$40441.

THE MEMBERS OF THE SURVEY PARTIES, THEIR ADDRESSES, OCCUPATIONS AND TIME SPENT IN WORK ON THE CLAIM GROUPS, ANALYSING SAMPLES, PREPARATION OF REPORT AND MAP. FOLLOWS.

PERSONNEL

NAME	ADDRESS	OCCUPATION
J. E.GILL	MCGILL UNIVERSITY, HONTREAL P.Q.	CONSULTING GEOLOGIST
C. K. WILTON	VINGINIATOWN, ONTARIO.	Grocogist
T. KOULONZINE	VAL DOOR, P. Q.	CONSULTING GEOPHYSICIS
R. A. CAMERON	Norrie, P. Q.	Groupest
J. STROLA	COBALT, ONTARIO.	GEOPHYSICIST
M. BELLAND	BATHURST, NEW BRUNSWICK	GEOLOGIST
G. DENOMMEE	DUBUISSON, P.Q.	GEOPHYSICAL OPERATOR,
A. WEISSENBRUNNER	HALARTIC, P.Q.	DRAUGHTSHAN
P. COULTER	HALET, P. Q.	ASSAYER
F. FISET	BARRAUTE, P. Q.	GEOPHYSICAL ASSISTANT
B. CHOUINARD	ROUYN, P. Q.	GEOPHYSICAL ASSISTANT
G. Somert	MALARTIC, P. Q.	DRILLER
J. RAYMOND	VAL D'OR, P.Q. DEILLE	SHELPER
LABOUR		
NAME	OFFICE WORK	MAN-DAYS
J. E. GILL	CONSULTANT	
C. K. WELTON	PLANNING, MAPS AND REPORT	28
T. KOULDHZINE	CONSULTANT	8
R. A. CAMERON	CALCULATIONS, MAPS & REPORT	44
H. BELLAND	MAPS	16
J. STROLA	MAPS	5.5
G. DENOMMEE	CALCULATIONS A-MAPS	24
A. WEISSENBRUNNER.	DRAUGHTING	60
D. Company		200

HAME	FIELD WORK 1956	MAH-DAYS
R. A. CAMERON	OCTOBER 17 - OCTOBER 31	60
M. BELLAND	PAY 29 - JUNE 13	64
J. SIROLA	JANUARY 10 - JANUARY 13	16
G. DENOMNEE	JULY 18 - AUGUST 17 OCTOBER 17 - NOVEMBER 16	216
F. FISET	•	216
B. CHOUINARD		216
Name	DIAMOND DRILLING	MAN-DAYS
G. ROBERT	MARCH 29 - APRIL 7 MAY 29 - JUNE 22	31
J. RAYMOND		31

RESPECTFULLY SUBMITTED

R. A. CAMÉRON.

HALET, P.Q.

APRIL 5, 1957.

TIMISKAMING MINING BESTSTON

HETER

MAH

LOCATION

South shore of Austin Bay, Vogt. Township, Ontario.

CLAIM No. 36317

DESCRIP

filen Droperty folos

MALARTIC GOLD FIELDS LIMITED, HALET, QUEBEC.

PETEMPAL STAIS PROMET COPPER

GEOLOGICAL AND GEOPHYSICAL SURVEYS, 351 FEET OF PACKSACK DIAMOND DRILLING

ROM

Two silicious mineralized zones in Keewatin tuff having about 5% pyrrhotite, pyrite and chalcopyrite. The zones are about 40 feet wade, 1,000 feet long and are interbedded with andesite. Average copper content is very low. One 2.15 section of core assayed 0.84% copper. A little silver is present.

PRODUKTION

(Production figures, if any, will be emplied by the O. D. M. Statisticien)

OU RESERVE OF CHESTON

APPEND STREET

REMARKS

(Marie), William

Please return to: Dr. W. S. SAVAGE Besident Geologist, Onterio Department of Minos, Best 45, MASETIA, Onterio,

Box 48, Swastika, Ontario, October 29th, 1956.

Mr. Cl. J. Wilton, Field Geologist, Malartic Gold Fields Itd., 311, 200 Bay Street, TORONTO, Ontario.

Dear Sir:

Re: Malartic Gold Fields Property
Best tomeship

Enclosed herewith please find a specimen page from the tables published in:

HETAL RESOURCES CIRCULAR NO. 1

Copper, Nickel, Lead and Zinc Deposits in Ontario

p

J. E. Thomson & Resident Geologists Ontario Department of Mines - May, 1954,

and several copies of our standard form on which changes or information on new properties can be recorded.

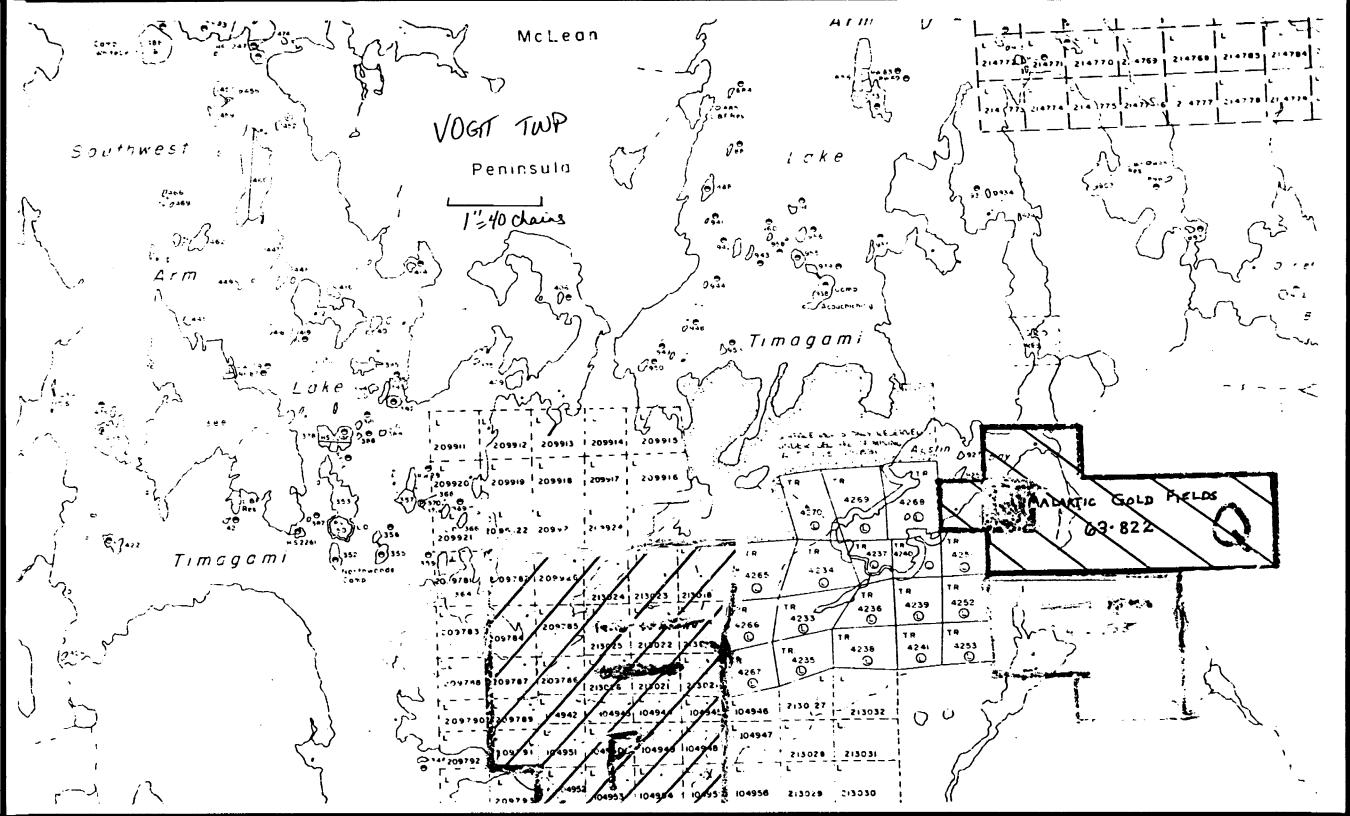
We are now collecting (deadline November 15) and compiling information for a new edition which will be published early in 1957 as HETAL RESOURCES CIRCULAR NO. 2.

Your prompt attention and co-operation in providing the Department of Mines with accurate and up-to-date records for this purpose will be appreciated.

Yours very truly,

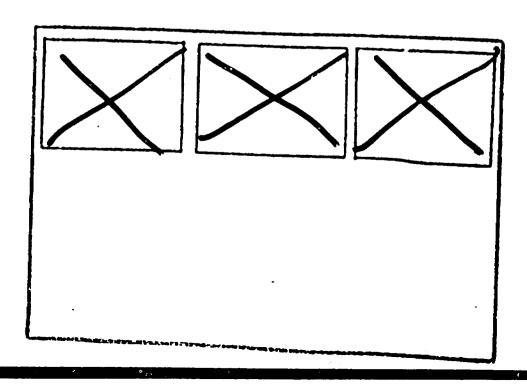
WSS:JD Encls.

W. S. Savage, Resident Geologist.



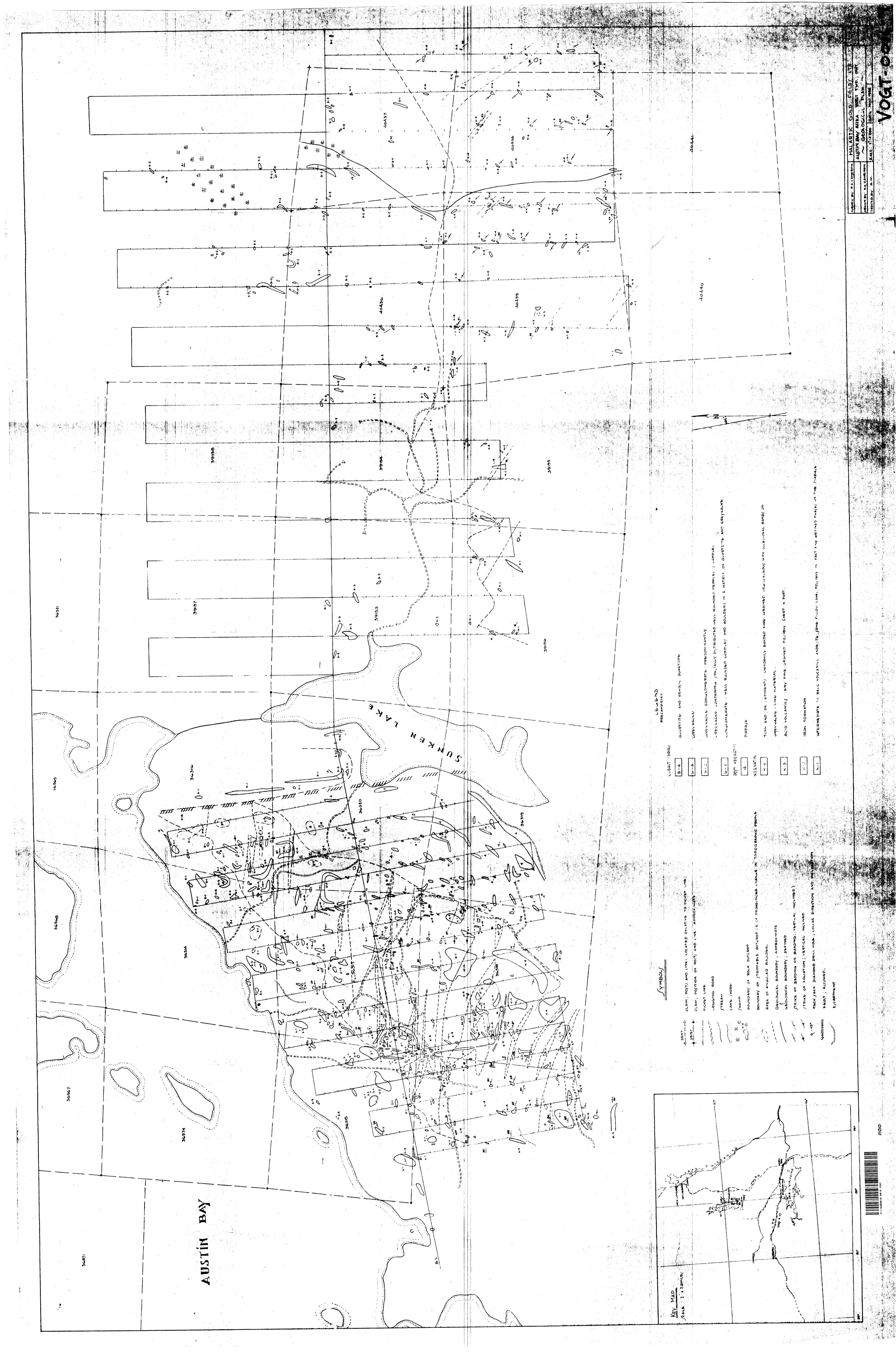
		₹ 3
•	#	2
	OGT-0016-7	<u> </u>
MAP (5)	IDENTIFIED	AS
SEE	ACCOMPANYIN	IG

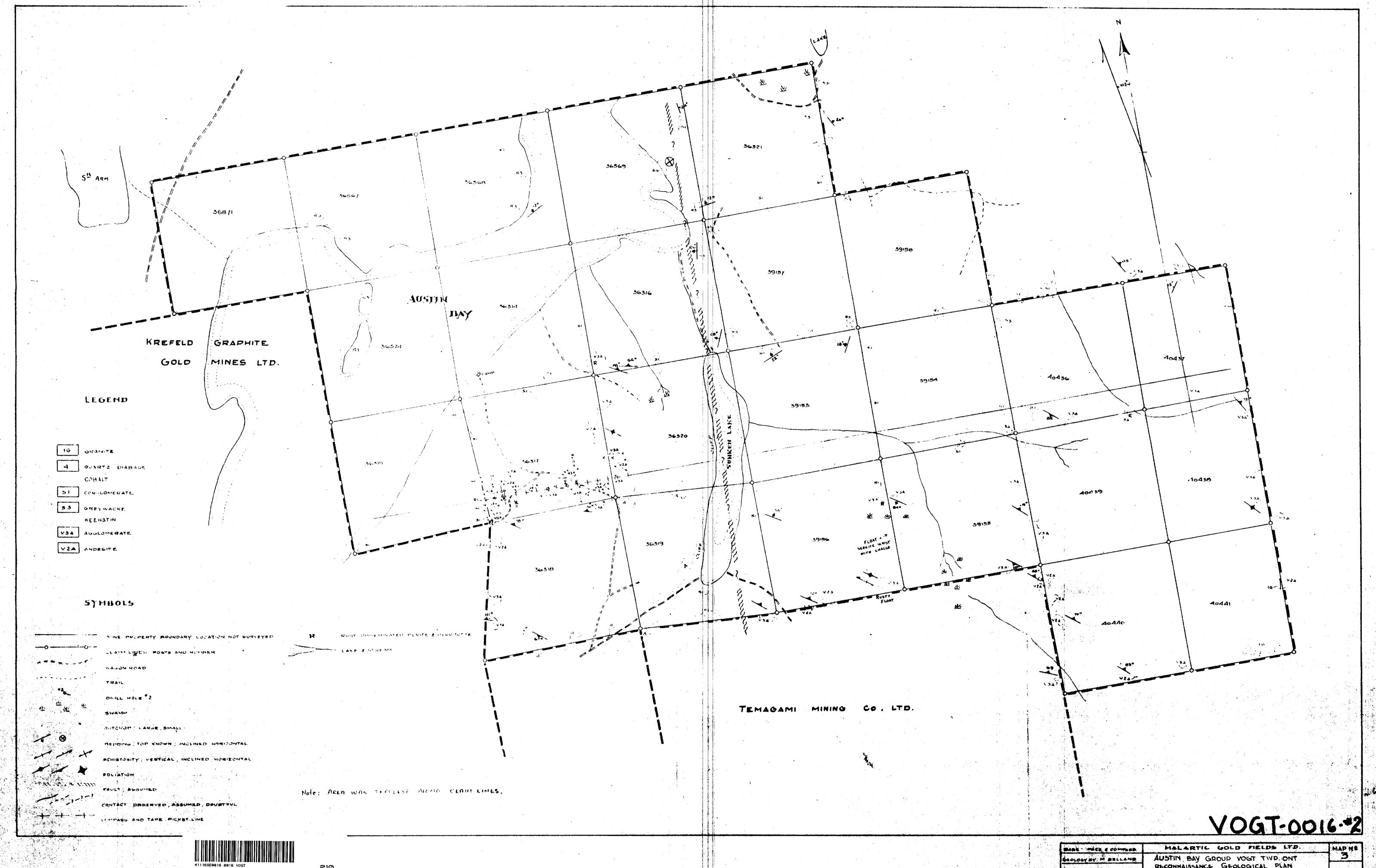
LOCATED IN THE MAP CHANNEL IN THE FOLLOWING SEQUENCE (X)



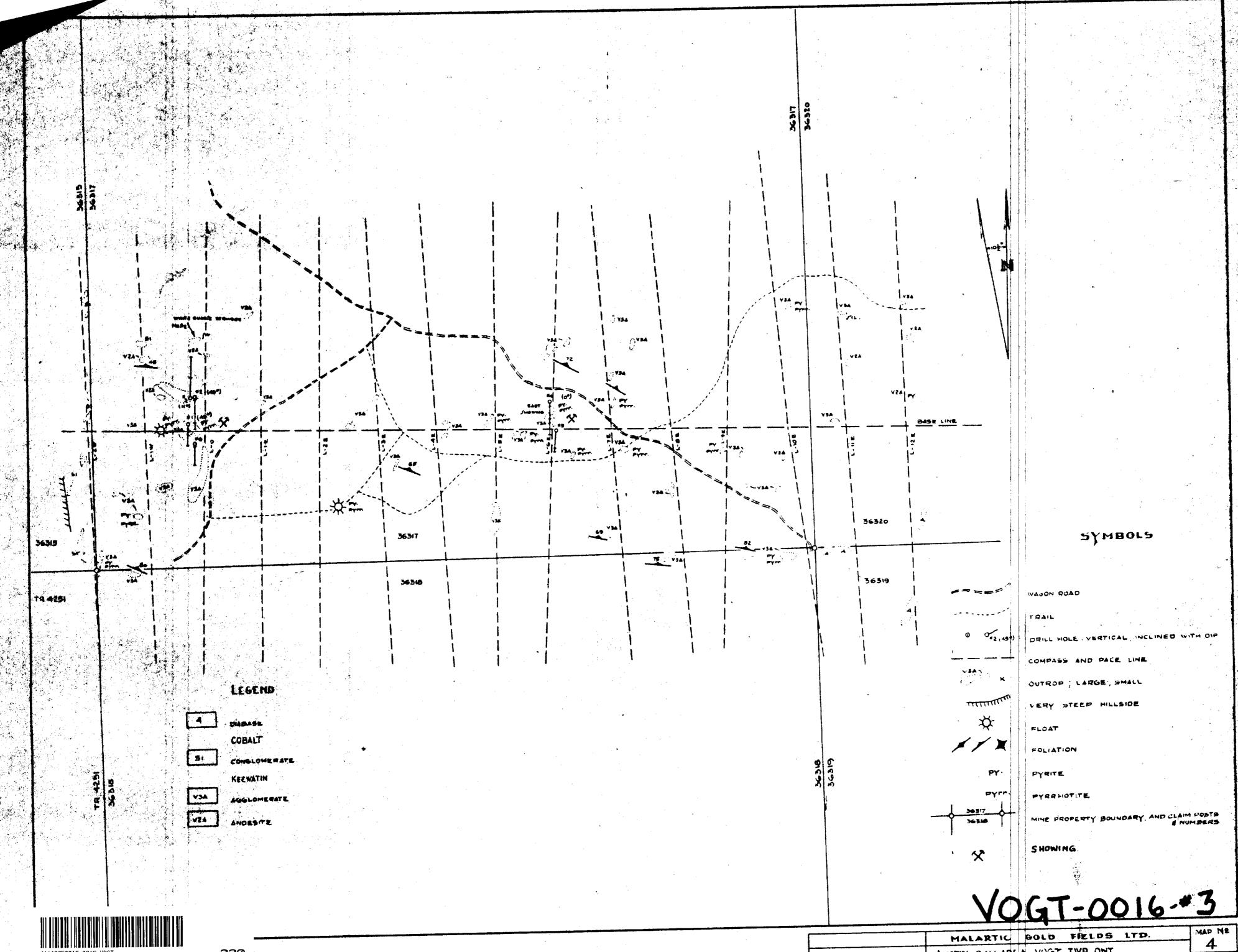
FOR ADDITIONAL
INFORMATION
SEE MAPS:

VOGT-0016 # 4-8





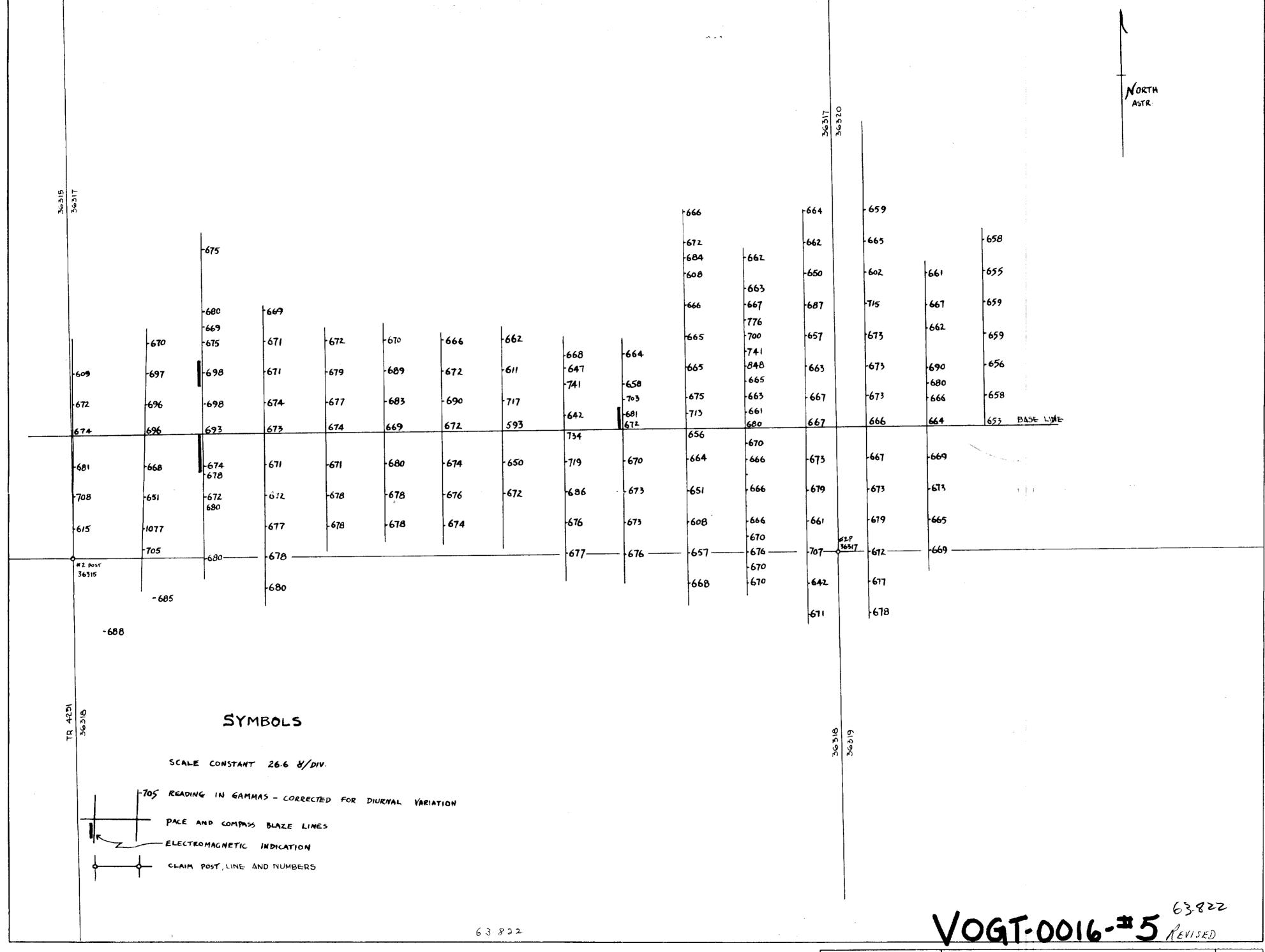
AUSTIN BAY GROUP VOGT TWP ONT STALE 1' 2 400 JUNE 1986



220

AUSTIN BAY AREA , VOGT TWP. ONT. GEOLOGICAL PLAN - VICINITY OF SHOWINGS DRAWN BY M BELLAND DETE JUNE 1986 SCALE ! B 100 TRACED BY: A.W.







MALARTIC GOLD FIELDS LTD.

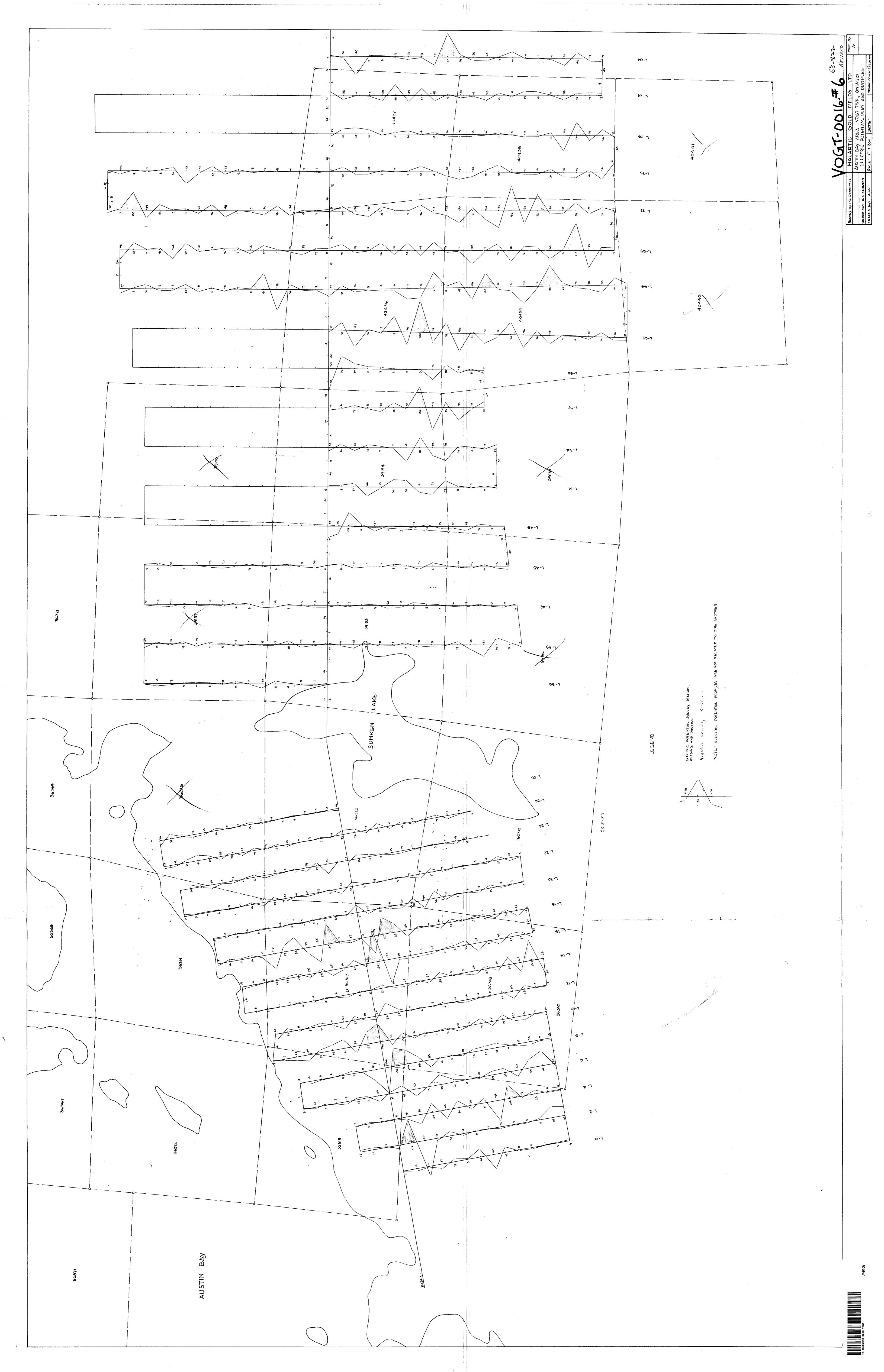
SURVEY BY: J. SIROLA

AUSTIN BAY AREA - VOGT TWP. ONT.

DRAWN BY: J. SIROLA

MAGNETOMETER SURVEY - VICINITY OF SHOWINGS

TRACED BY: C. H.W SCALE: 1" = 100' DATE: FEB 1956



0-7

