013746

MATT BERRY MINES

Frances Lake
(105-H-6)

F

Re. Matt Berry Mines: Make copy & Please Return Home

SUITE 1102 - 347 BAY STREET
TORONTO 1, ONTARIO

Telephone:
366-0705

March 24, 1970

Dr. A. E. Aho,
President,
Atlas Explorations Limited,
330 Marine Building,
355 Burrard Street,
Vancouver 1, B. C.

X

X

X Ken Dawson

Dear Aaro:

Received your letter with thanks, regarding your review of the Matt Berry Mines data.

Attached please find our reply to your Dr. Ken Dawson's comments of the various points he made with regards to the Matt Berry material.

We are interested in approaching someone such at Mitsui in a joint venture agreement with your Frances River Syndicate, or, as you mentioned, separate agreements.

We trust the enclosed answers the questions raised by Dr. Dawson.

Yours very truly,

MATT BERRY MINES LIMITED

Leon La Prairie

Leon La Prairie

LL/tm
Encl.

*SUITE 1102 - 347 BAY STREET*
*TORONTO 1, ONTARIO*

*Telephone:*
*366-0705*

March 24, 1970

Reply to: Dr. K.W. Dawsons' comments re: Matt Berry Mines data
Dated: March 17th, 1970

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1) Stated tonnage and grade figures:

The tonnage calculations were assigned to Archer, Cathro & Associates in which they report as of June 1, 1969 the 415,500 tons which we have examined and approved.

The calculations were done from 25 drill holes with the following assumptions:

a) Dilution during mining will be less than 2 feet.

b) The individual sectors, even though close together, can be mined separately.

c) The correlation of the veins between holes is correct.

Until these assumptions have been checked by underground development, such reserves can only be placed in the drill indicated category. Three zones, the upper, middle and lower zones, are used in this tonnage calculation.

In order to arrive at as reliable grade as possible the holes with the best recovery within the mineralized zones were used which compared to the mineralized exposure on surface.

2) To date no geological work has been done on the surface as the only outcroping is along the creek. The mineralogical description is best covered in the drill logs and other reports by Bob Cathro, which can be made available.

The deposit to our thinking, is a 'stratiform' structure but subject to change with further work.

We are in agreement that more work on intrusive contact is required.

3) In area of Turam and E. M. anomalies, there is no outcrop or host rock, minor amounts of sulphide float is found. The proposed program is flexible and will vary from hole to hole and with geophysical results.

4) The plunge of the syncline has been plotted up to 45° but holes drilled near the synclinal limbs will be at a moderate depth. The holes near the axis will be in the order of 1600 feet, four holes for a total of 4000 feet should complete the section.

5) Due to core losses the information from the drilling is so indefinite that in parts the zone appears lensy but with excellent continuity. The drilling has traced continuous mineralization for a length along the base line for 1450 feet and down the plunge for 550 feet.

6) To extend the present mineralized structure 3000 feet NE to the granitic contact a large tonnage potential could be available but not open pit material.

Note:

It was outlined to Dr. Aho on March 11th that the grade was indefinite and tonnage a ball-park figure but indicative of a large tonnage potential. Our main emphasis of the presentation being that Matt Zone is an indicator of a possible major structure which might lead to others in the area.

105-A-6

30 March 1970

Mr. Leon F. LaPrairie,
President,
Matt Berry Mines Limited,
1102-347 Bay Street,
Toronto, Ontario.

Dear Leon:

Thank you for delivering the reports on Matt Berry Mines which we have had an opportunity to review since my return from Toronto. I am enclosing herewith some comment from Dr. Ken Dawson of our organization who reviewed the data in detail, and would appreciate comments you might have on the various points he made.

As mentioned to you, we are heavily committed on our other programs and regardless of the merits of the Matt Berry property, would find it difficult at this time to enter into a joint venture with you. However, I think that your deposit may be very similar to the Frances River Syndicate deposit which we hold north of Watson Lake. As soon as we have your further comments on Matt Berry, perhaps you or ourselves might approach someone such as Mitsui or a similar potential joint venture partner to finance exploration on both properties with some type of joint agreement, or perhaps separate agreements.

In any case we would appreciate your further comments or suggestions. Best personal regards and wishes for success in this and your other ventures.

Yours very truly,

ATLAS EXPLORATIONS LIMITED

A. E. Aho
President

AEA:eph
Encls.

# Inter-Office Letter

File

| | | | |
|---|---|---|---|
| COMPANY | Atlas Explorations Limited | DATE | March 17, 1970 |
| FROM: | K.M. Dawson | TO: | DR. A.E. AHO<br>R.E.G. DAVIS<br>J.S. BROCK |
| SUBJECT: | Matt Berry Mines Ltd. | ATTN. OF: | |

I have looked over the enclosed reports on Matt Berry Mines Ltd., and come to the following conclusions:

1. Stated tonnage and grade figures are not accurate. Mr. La Prairie calculates 415,500 tons of ore in a semicircular zone shown on surface drill plan. Even allowing a 6-foot ore zone thickness throughout gives only 141,000T for this zone. Recalculating thickness and grade to a 6-foot width is not realistic when one combines 1 to 3-foot assay zones separated by at least 10 feet. Allowing an average 6-foot thickness over SE ore zone, I estimate 87,000T of 3.8oz Ag, 10% Pb and 10% Zn. With an average thickness of 2.5 feet in NW zone, I estimate an additional 17,700T of 10.7oz Ag, 22.5% Pb and 9.2% Zn. Some of La Prairie's selected holes and average grades appear a bit high.

2. The reports are almost completely lacking in geologic description of the property. No surface geology plan is given, nor a mineralogical description of the "Matt Zone" which presumably is a replaced bed in phyllites. The mining characteristics of this zone are important.

   The deposit is called "stratiform" but no evidence is given for this conclusion. Grade and distribution of mineralization indicate a more lenticular nature to the deposit. More information on proximity to intrusive contact on the east is needed.

3. The relationship between Turam and E.M. anomalies and known mineralization and host rocks, is not specified. It is difficult to agree with the proposed program in 1970 without this information.

4. Mr. La Prairie does not mention the plunge of the synclinal ore structure. From the sections, it appears to plunge between $35^{\circ}$ and $45^{\circ}$ NW. This means that proposed holes along 1600 N baseline must be drilled to a depth of 1500-1600 feet before the ore zone is intersected.

| Inter-Office Letter | | | |
|---|---|---|---|
| COMPANY | Atlas Explorations Limited | DATE | March 17, 1970 |
| FROM: | K.M. Dawson | TO: | Dr. A.E. AHO<br>R.E.G. DAVIS<br>J.S. BROCK |
| SUBJECT: | Matt Berry Mines Ltd. | ATTN. OF: | |



5. Charlie Ney examined the Matt Berry deposit for Kennco about 2 months ago, and told me at that time he thought the mineralized zone was lensy and discontinuous. The assays and sections would seem to bear this out.

6. The structure of the deposit is not amenable to "a large tonnage development" as stated. To open-pit mine a 6-foot ore zone, one must remove 200 to 400 feet of waste.

Recommendation

For all the above reasons, I recommend that Atlas develop no further interest in this deposit.

Encl.

KMDjs

# MATT BERRY MINES LIMITED

## PROPOSED PLANS

## &

## ESTIMATED COST

Frances Lake, Yukon

1970 Field Program

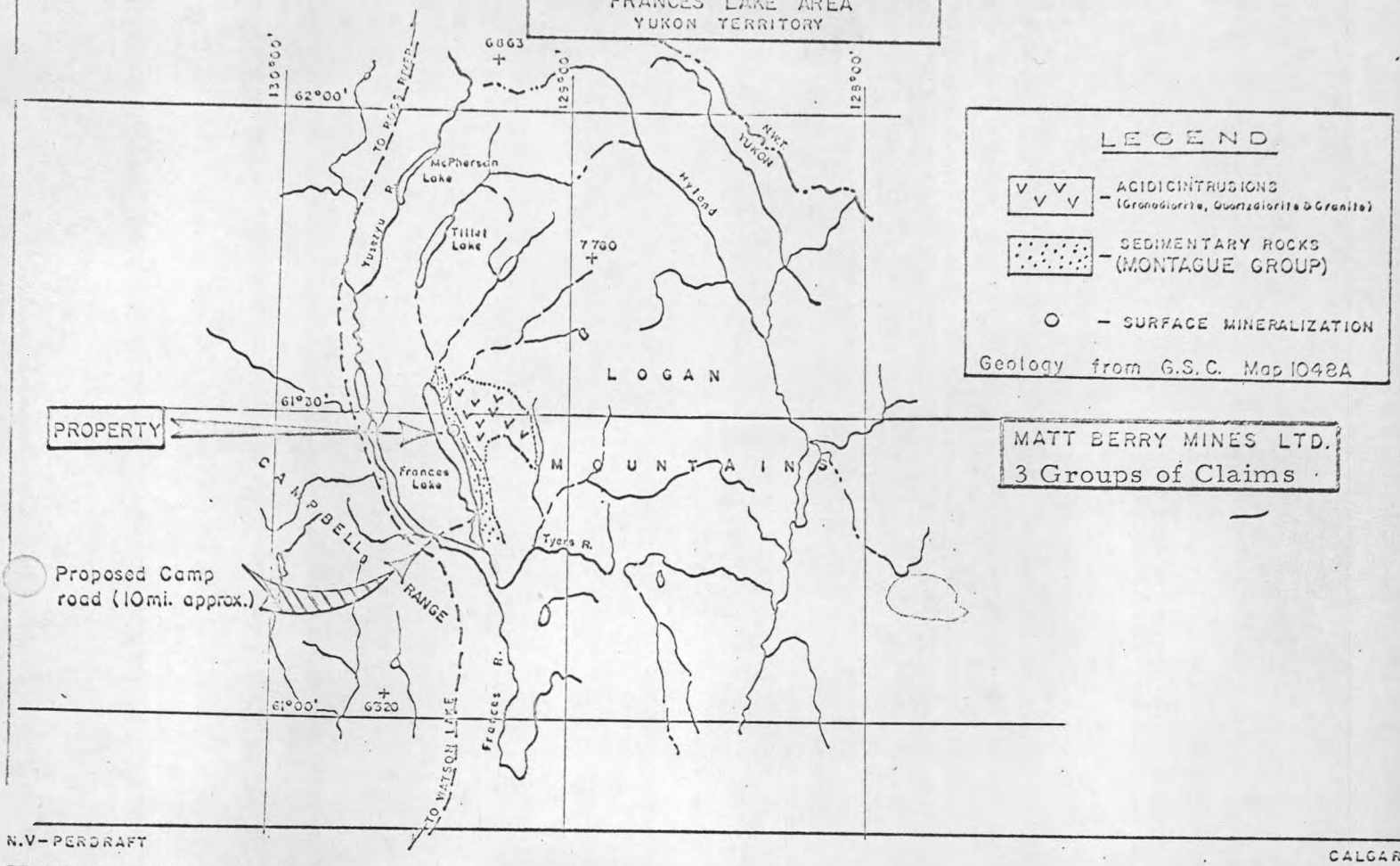
February 12th, 1970

Leon La Prairie, P. Eng.
Managing Director

# MATT BERRY MINES LTD.

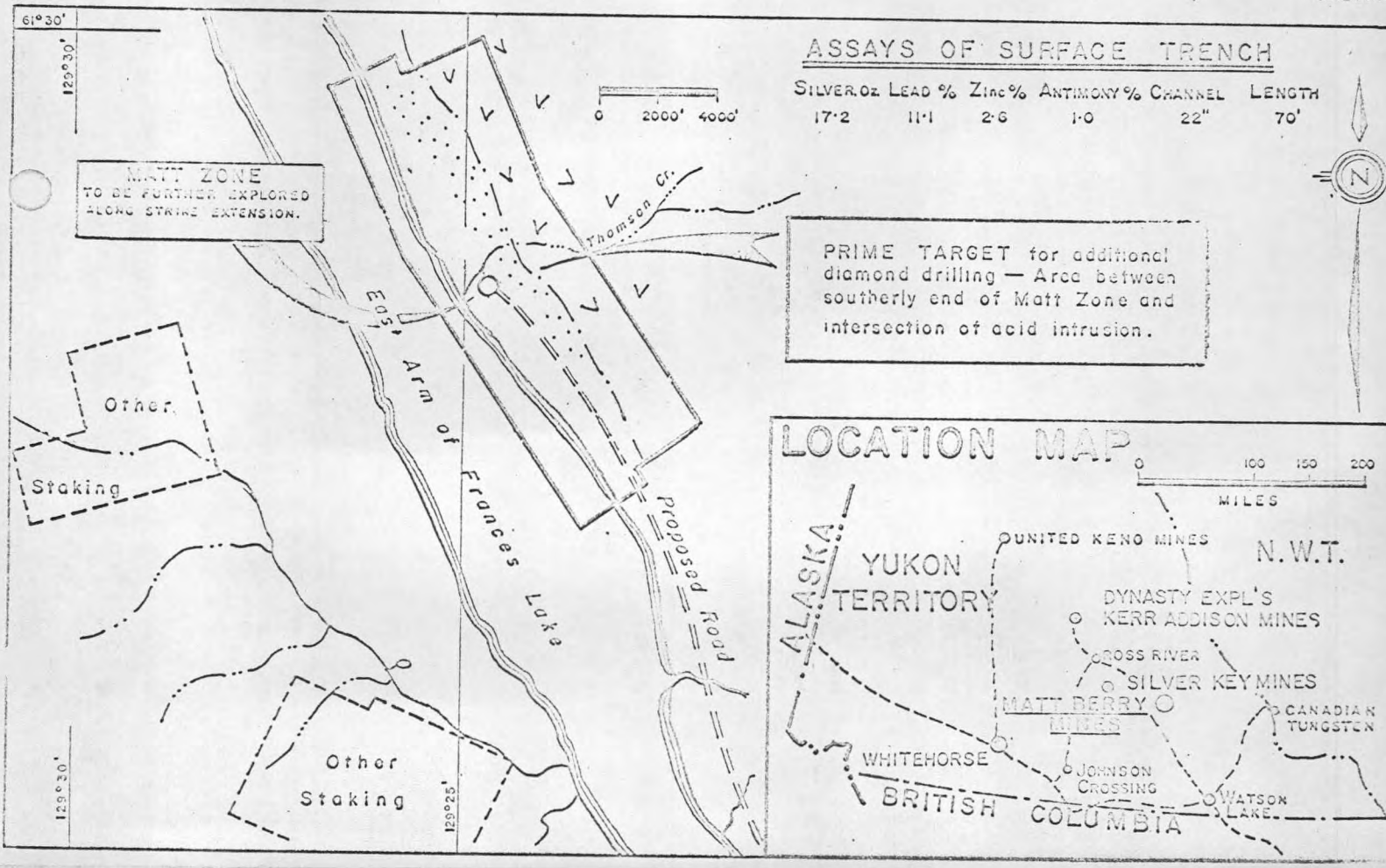
WATSON LAKE MINING DIVISION

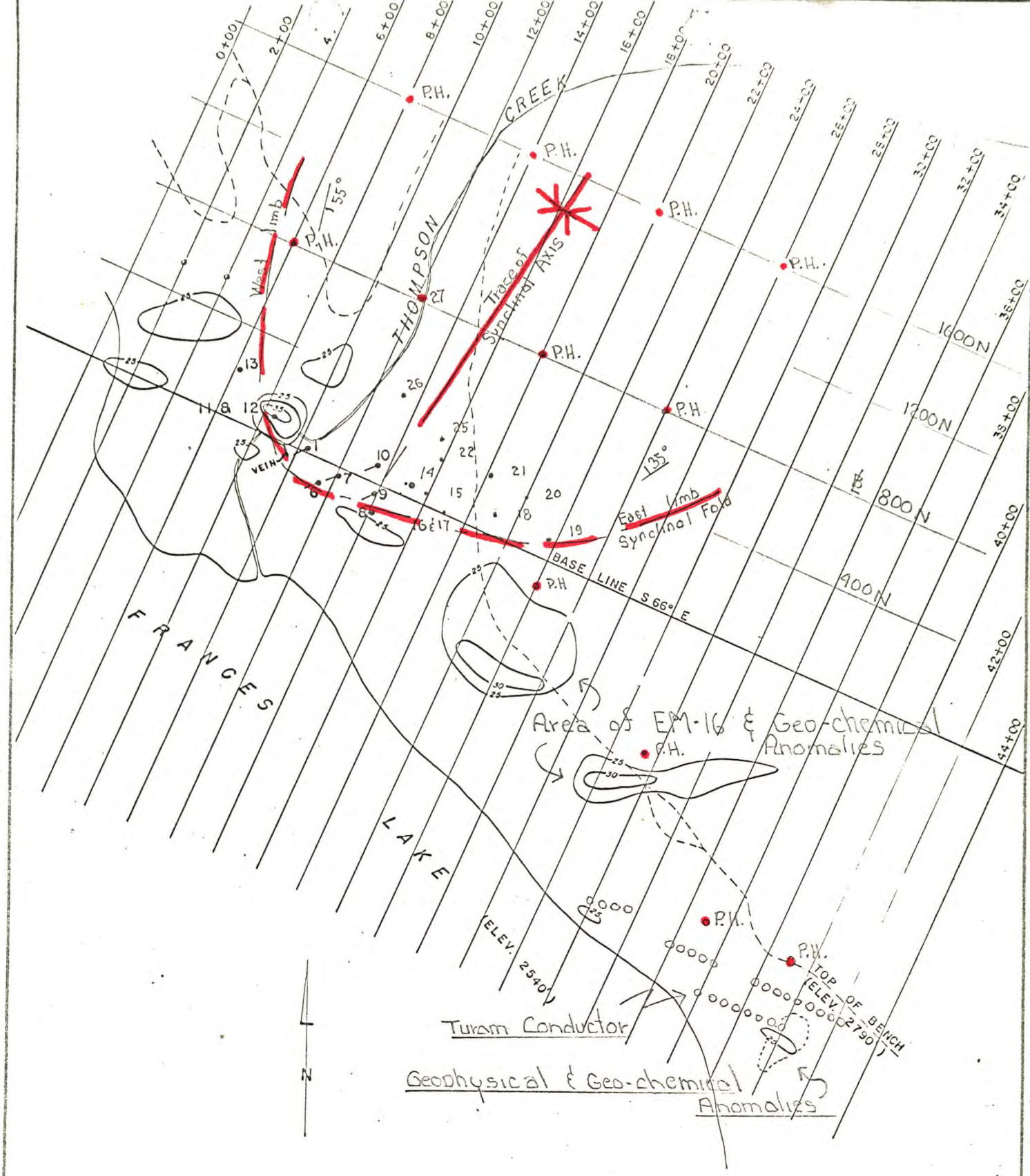
FRANCES LAKE AREA
YUKON TERRITORY




N.V-PERDRAFT

CALGARY






LEGEND:

- DIAMOND DRILL HOLE
- P.H. TENTATIVE D.D.H. SITES
- GEOPHYSICAL ANOMALY

MATT BERRY MINES LTD.

WATSON LAKE, AREA, Y.T.

GEOPHYSICAL ANOMALIES OBTAINED WITH E.M. 16

AUG. 2, 1968

0 200 400 600 800 1000 1200

SCALE

## INTRODUCTION

This report outlines the proposed field program and expenditure for the 1970 , or next phase of the work program on the company's property at Frances Lake in the Yukon Territory.

## ACCESSIBILITY

The Company's Frances Lake claim holdings are located on the East Arm of Frances Lake some 90 miles north of Watson Lake in the Yukon Territory.

The field project can be serviced by float aircraft from Watson Lake or by highway to the shore of Frances Lake and then by boat or bombadier transportation to the camp site.

## CAMP

The Company owns a winterized camp that can accommodate a crew of 10 which includes a cookery to seat 10, cook's quarters, two sleeping tents, office quarters, storage tent and a tarp cover for bombadier and light plant.

## COMMUNICATIONS

Radio-telephone installed at camp and regular telephone service is available to all outside points via CN Radio through Fort Nelson, B.C. or Whitehorse, Yukon.

## EQUIPMENT & SUPPLIES

The Company has an ample amount of supplies of fuel and heating oil, gasoline and lubrication on hand to supply a drill program for the initial month.

The project is equipped with a bombadier for winter work, a boat and motor and a 10 K.W. light plant.

Groceries are required for an immediate start of a field program.

## PROPOSED PROGRAM

### Acquisition of ground

Stake an additional 200 claims, 100 to the Northwest and 100 to the Southwest. Estimated cost $50.00 per claim -

### Diamond Drilling

a) Complete drilling a tier of 4 holes on Baseline 800N. Hole No. 27 drilled to 377 feet - target area is 650 feet.

Approximate footage required 2,200 feet.

Estimated overall cost BQ @ $17.00 per foot $37,400.00

b) Drill a tier of 4 holes on Base Line 1600 N

Approximate footage required 4,000 feet
Estimated cost BQ @ $17.00 per foot 68,000.00

c) Drilling of Geochemical & Geophysical and Turam Anomalies along 4,500 foot anomolous area.

Approximate footage required 2,000 feet.

Estimated cost BQ @ $17.00 per foot 34,000.00

### Surveys

a) Geophysical to trace synclinal limbs 5,000.00

b) Geophysical - further detail 4500 anomalous area and extension 5,000.00

c) Geochemical - detail sampling of anomalous area and extension 10,000.00

### Prospecting

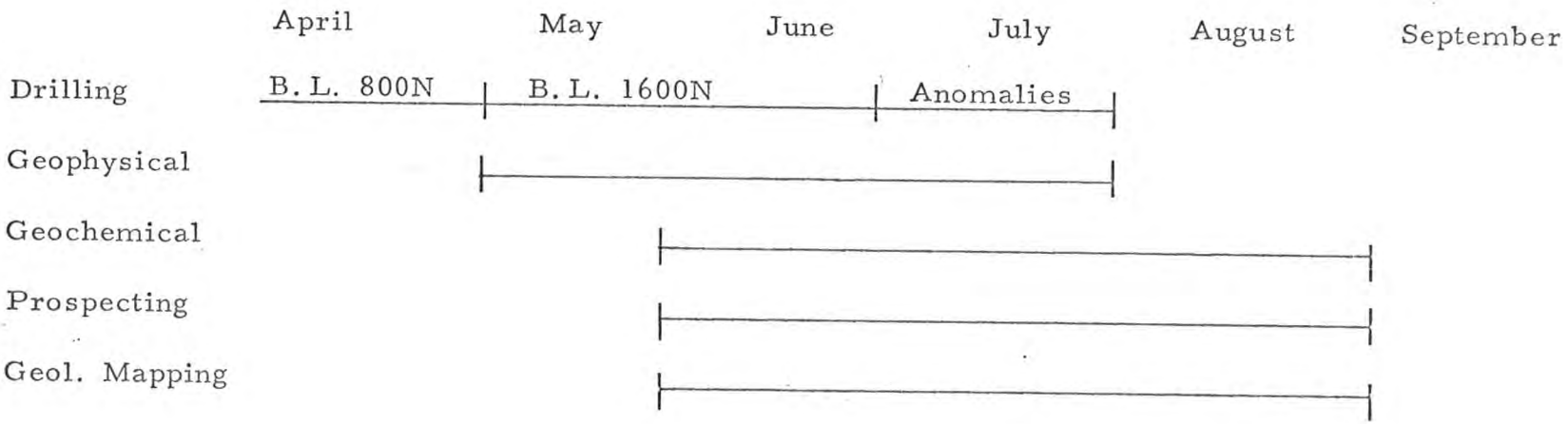
Two crews for summer season
@ $12,500. per crew 25,000.00

Field Cost Summary

| | |
|---|---|
| 1) Acquisition of ground | |
| 2) Base Line 800N drilling (2000 ft) | 37,400.00 |
| 3) Base Line 1600N drilling (4000 ft) | 68,000.00 |
| 4) Geochemical & Geophysical Anomalies to be drilled (2000 ft.) | 34,000.00 |
| 5) Surveys - | |
| Geophysical - 2 areas | 10,000.00 |
| Geochemical | 10,000.00 |
| 6) Prospecting | 25,000.00 |
| 7) Air Photos & field mapping | 15,000.00 |
| | $199,400.00 |

# MATT BERRY MINES LIMITED

## Frances Lake Yukon - 1970 Field Program Schedule



# MATT BERRY MINES LIMITED

## PROGRESS REPORT

Period Ending February 1970

Leon La Prairie
Managing Director

# MATT BERRY MINES LIMITED

## PROGRESS REPORT

From May 1st to Period Ending Feb. 28, 1970

## SUMMARY

Matt Berry Mines is currently involved in two areas of field exploration, a Silver - Base Metals project in the Yukon and also with holdings adjoining the Mattagami Lake - Abitibi Paper discovery in the Sturgeon Lake area of Ontario.

## Frances Lake Project - Yukon

The Matt Berry Mines property holdings in the Yukon consist of three groups of 83 unpatented mineral claims. The holdings are located 96 miles north of Watson Lake and some 12 miles east of the Ross River highway, Yukon Territory.

Since the start of exploration on the Matt Group of claims, field work has consisted of prospecting and trenching, a limited geochemical survey and two different types of electro-magnetic surveys. There have been three diamond drilling programswith a total of 7,541 feet drilled.

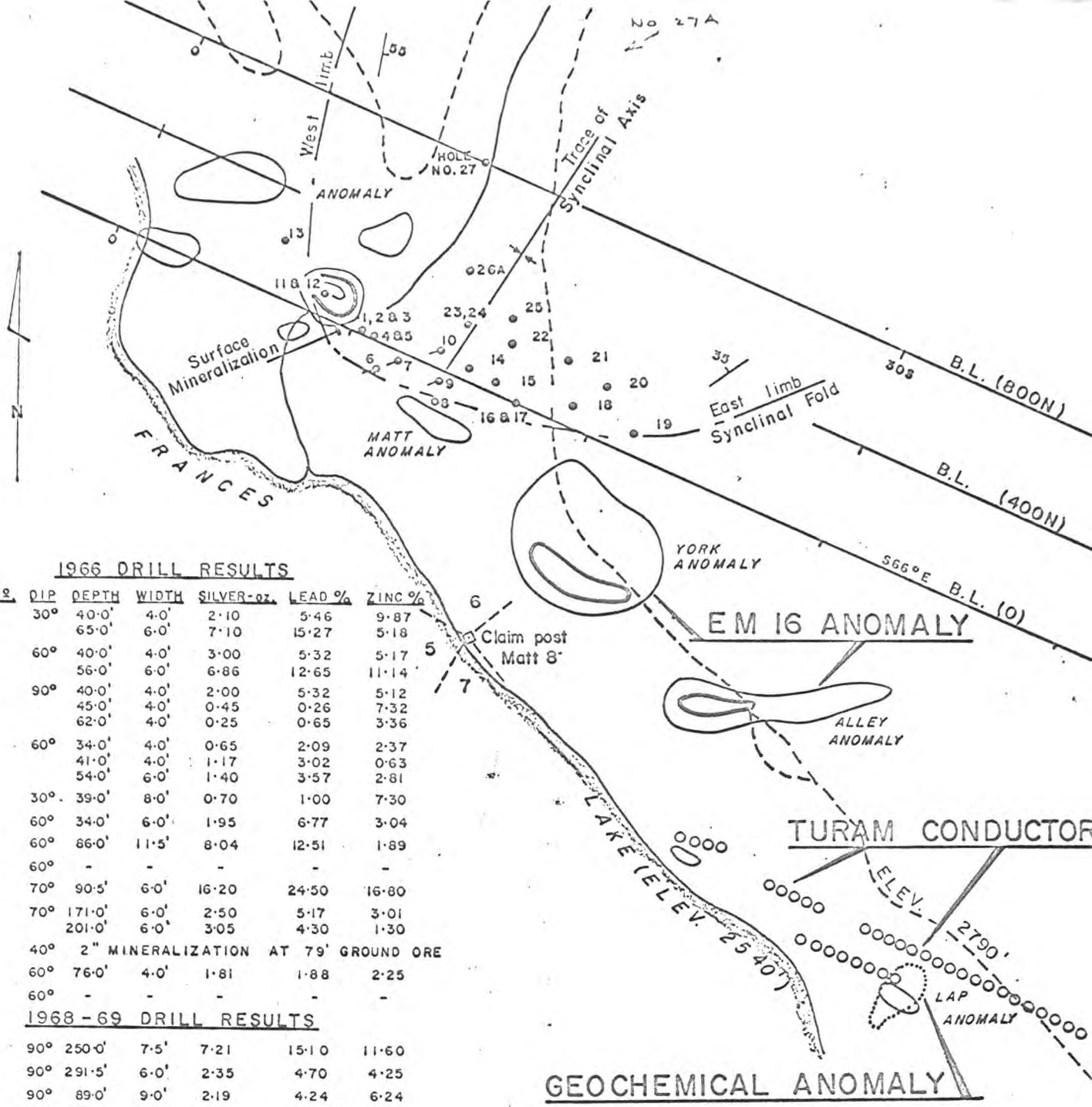
Due to the heavy core losses in the mineralized sections it is not possible to arrive at an accurate average grade for the Matt Berry Zones.

In order to arrive at as reliable figures as possible eight intersections have been chosen as probably being the most representative for grade analysis.

The first five intersections are in shallow holes with relatively good core recovery in the mineralized sections. The last three intersections were chosen because they had the best core recovery in the deeper holes. The resulting average grades are regarded as being probably indicative of the Matt Berry Zones. They may be low due to the inevitable core losses.

| Hole | | Width | Ag | Pb | Zn | Sb | Recovery |
|---|---|---|---|---|---|---|---|
| 1 | * | 6.0' | 7.10 | 15.27 | 4.84 | .60 | Assumed to be about 100% |
| 2 | * | 6.0' | 6.50 | 13.50 | 10.80 | .29 | " " " 100% |
| 4 | * | 6.0 | 2.35 | 6.04 | 1.26 | .09 | 60% |
| 6 | * | 6.0 | 1.95 | 6.77 | 3.54 | .54 | 60% |
| 7 | * | 6.0 × | 8.94 | 14.80 | 2.58 | .25 | 95% |

1.12




## 1966 DRILL RESULTS

| HOLE Nº. | DIP | DEPTH | WIDTH | SILVER-oz. | LEAD % | ZINC % |
|---|---|---|---|---|---|---|
| 1 | 30° | 40·0' | 4·0' | 2·10 | 5·46 | 9·87 |
| | | 65·0' | 6·0' | 7·10 | 15·27 | 5·18 |
| 2 | 60° | 40·0' | 4·0' | 3·00 | 5·32 | 5·17 |
| | | 56·0' | 6·0' | 6·86 | 12·65 | 11·14 |
| 3 | 90° | 40·0' | 4·0' | 2·00 | 5·32 | 5·12 |
| | | 45·0' | 4·0' | 0·45 | 0·26 | 7·32 |
| | | 62·0' | 4·0' | 0·25 | 0·65 | 3·36 |
| 4 | 60° | 34·0' | 4·0' | 0·65 | 2·09 | 2·37 |
| | | 41·0' | 4·0' | 1·17 | 3·02 | 0·63 |
| | | 54·0' | 6·0' | 1·40 | 3·57 | 2·81 |
| 5 | 30° | 39·0' | 8·0' | 0·70 | 1·00 | 7·30 |
| 6 | 60° | 34·0' | 6·0' | 1·95 | 6·77 | 3·04 |
| 7 | 60° | 86·0' | 11·5' | 8·04 | 12·51 | 1·89 |
| 8 | 60° | - | - | - | - | - |
| 9 | 70° | 90·5' | 6·0' | 16·20 | 24·50 | 16·80 |
| 10 | 70° | 171·0' | 6·0' | 2·50 | 5·17 | 3·01 |
| | | 201·0' | 6·0' | 3·05 | 4·30 | 1·30 |
| 11 | 40° | 2" MINERALIZATION AT 79' GROUND ORE | | | | |
| 12 | 60° | 76·0' | 4·0' | 1·81 | 1·88 | 2·25 |
| 13 | 60° | - | - | - | - | - |

## 1968-69 DRILL RESULTS

| | | | | | | |
|---|---|---|---|---|---|---|
| H-14 | 90° | 250·0' | 7·5' | 7·21 | 15·10 | 11·60 |
| H-15 | 90° | 291·5' | 6·0' | 2·35 | 4·70 | 4·25 |
| H-16 | 90° | 89·0' | 9·0' | 2·19 | 4·24 | 6·24 |
| H-17 | 60° | 63·0' | 9·5' | 0·63 | 2·30 | 7·50 |
| H-18 | 90° | 185·0' | 3·0' | 1·00 | 1·71 | 1·48 |
| H-19 | 90° | 117·0' | 2·6' | 3·20 | 0·97 | 1·04 |
| H-20 | 90° | 349·0' | ZONE INDEFINITE | | | |
| H-21 | 75° | 340·0' | LOST HOLE - CAVING - TO BE RE-DRILLED | | | |
| H-22 | 75° | 326·0' | 4·0' | 2·38 | 7·06 | 4·56 |
| | | 338·0' | 4·0' | 5·30 | 11·31 | 16·95 |
| | | 345·0' | 3·4' | 3·67 | 7·00 | 4·5 |
| | | 361·0' | 5·6' | 0·80 | 1·01 | 3·03 |
| H-23 | 70° | 285·0' | 6·0' | 2·50 | 4·80 | 10·30 |
| H-24 | 90° | 286·0' | 6·0' | 0·30 | 0·43 | 3·40 |
| H-25 | 70° | 399·8' | 4·0' | 2·10 | 7·45 | 6·19 |
| | | 411·0' | 2·0' | 2·50 | 5·14 | 1·08 |
| | | 474·5' | 7·0' | 3·70 | 6·36 | 11·48 |

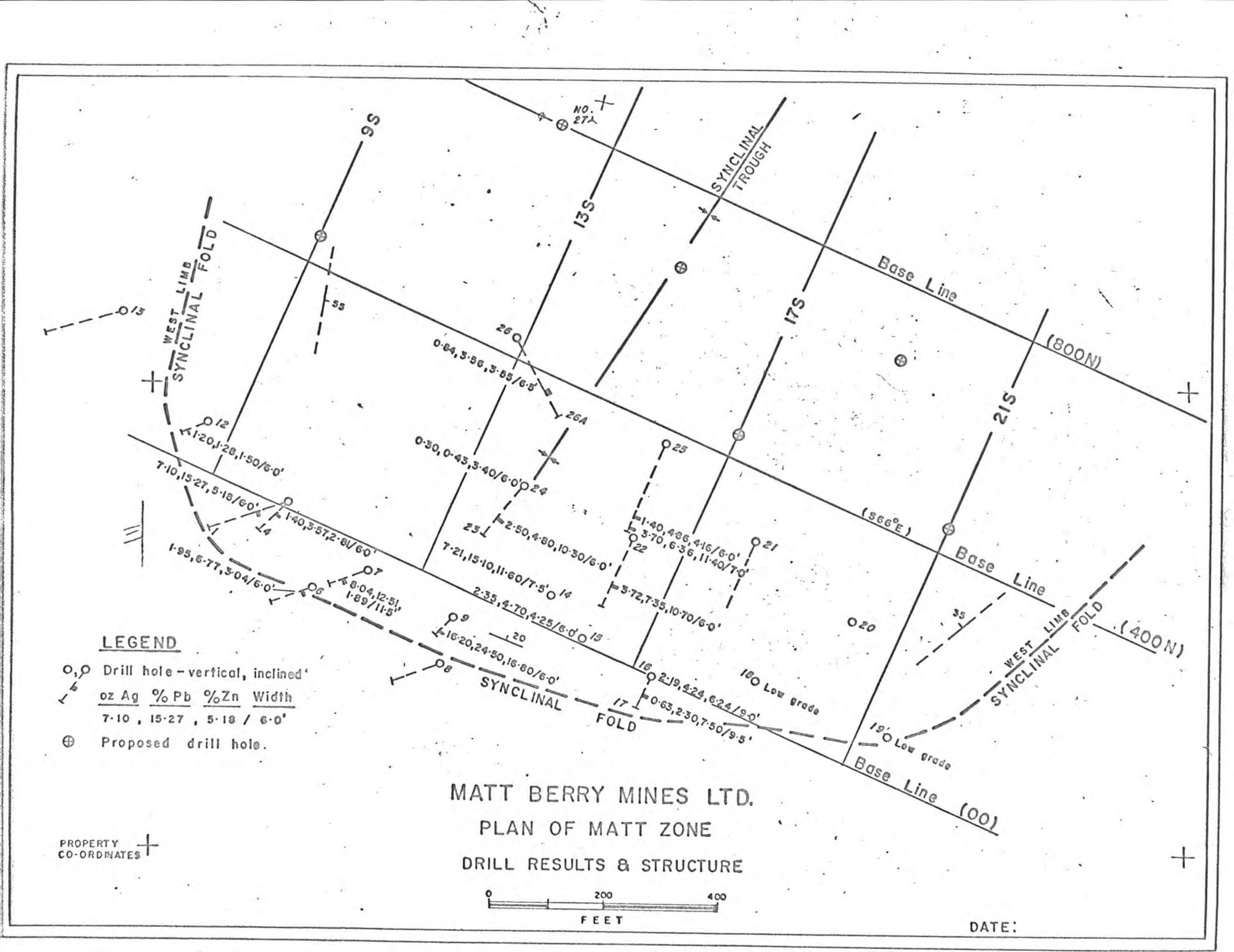
## 1969 — 1970 DRILL RESULTS

| | | | | | | |
|---|---|---|---|---|---|---|
| H-26A | 70° | 422·0' | 6·5' | 0·84 | 3·56 | 3·55 |
| H-27A | not completed | | | | | |

These diamond drill Silver - Lead - Zinc values occur in a stratiform structure which is being further drilled for mineralized extensions.

MATT BERRY MINES LTD.
WATSON LAKE, AREA, Y.T.
LOCATION OF GEOPHYSICAL ANOMALIES
& DIAMOND DRILL HOLES
DATE: Feb. 28, 1970

0' 600' 1200'
SCALE IN FEET




# MATT BERRY MINES LTD.

## PLAN OF MATT ZONE

## DRILL RESULTS & STRUCTURE

DATE:

| Hole | Width | Ag | Pb | Zn | Sb | Recovery |
|---|---|---|---|---|---|---|
| 23 | *6.0 | 2.60 | 5.00 | 11.20 | - | 90-95% |
| 25 | 6.0 | 1.47 | 5.20 | 4.32 | .35 | 90-95% |
| | 7.0 | 3.72 | 6.37 | 11.49 | .91 | 90-95% |
| Average | | 4.33 | 9.12 | 6.25 | .38 | |

* Calculated for 6.0'

## 1969 RESULTS OF WORK

### Drilling

Hole No 26A penetrated the Matt Zone at a vertical depth of 400 feet and the Zone extension down the plunge of the synclinal trough is now 600 feet. The intersection suggests that the Zone is open to extension on strike and to depth. Fifty per cent of the core was lost in the Zone intersection and the assays are below ore grade. As the ore minerals are the most unstable it may be assumed that their loss would be the greatest, when there is core loss due to grinding.

### Geophysical & Geochemical

The Geophysical surveys and a Geochemical survey have outlined a strike length of 4, 500 feet with a series of coincidental anomalies of which the most northwesterly 1, 400 feet has been drilled and found to be mineralized. The most northerly 900 feet of the 4, 500 feet is considered to have a potential silver-lead-zinc antimony ore grade.

The two Geophysical surveys and the Geochemical survey indicate the possibilities of additional mineralized zones along the strike length of 4, 500 feet in which a series of anomalies remains to be tested.

### Potential Ore Minerals

The potential ore minerals are mainly silver - lead - zinc with varying amount of antimony and possibly minor recovery values of copper and gold.

### Antimony Values

In checking previous assay records for values in Antimony the following have been recorded.

| Hole No. | % Sb | Core Length |
|---|---|---|
| 1 | .60 | 2.0' |
| 5 | 1.19 | 5.0' |
| 6 | 1.08 | 3.0' |

| Hole No. | % Sb | Core Length |
|---|---|---|
| 7 | .80 | 2.0' |
| | .60 | 2.5' |
| 9 | .57 | 2.0' |
| | 1.47 | 4.5' |
| 22 | .46 | 1.8' |
| 25 | .91 | 7.0 |

NOTE The average grade in the shallow drill holes is higher than in the deeper holes as the core recovery was better in the shorter holes.

| | |
|---|---|
| Average Gross Values in 7 shallow holes | $ 74.88 * |
| Average Gross Values in 6 deeper holes | $ 59.93 * |

(*Antimony values not included)

The shallow holes were drilled in AQ equipment. The deeper holes were drilled with BQ equipment

Hole No. 25 is a significant hole in that the zone was penetrated at 400 feet vertically and the core recovery was 90 - 95% in the zone. The hole shows good continuity to the Matt structure.

Hole No. 25 @ 70°

Assay values not previously reported.

| From | To | Length | Ag | Pb | Zn | Sb |
|---|---|---|---|---|---|---|
| 399.8 | 404.0 | 4.2' | 2.1 | 7.45 | 6.19 | .50 |
| 460.0 | 467.0 | 7.0' | 3.72 | 6.37 | 11.49 | .91 |

The core recovery in the Matt Zone was reasonably good, approximately 90-95% and the overall recovery was 92%.

## CURRENT PROGRAM

Hole No. 26 @ 90°

| | | |
|---|---|---|
| Depth: | 409.5 feet | Casing 20 feet |
| Location: | N 10259 E 10470 | Elevation 2643 |
| Objective: | To probe the extension of the Matt Zone | |
| Results: | Stopped in caving ground at 409.5 feet. The target area was 505 feet. | |

Hole No. 26A @ 70°

Depth: 492 feet Casing 16 feet

Location: N 10259 E 10470 Elevation 2643
Drilled from same set-up as No. 26

Objective: To probe the extension of the Matt Zone.

Results: Hole 26A penetrated the Matt Zone at a vertical depth of 400 feet and the Zone extension down the plunge of the synclinal trough is now 600 feet. The intersection suggeststhat the Zone is open to extension on strike and to depth. Fifty per cent of the core was lost in the zone intersection and the assays are below ore grade. As the ore minerals are the most unstable and friable it may be assumed that their loss would be the greatest, when there is core loss due to grinding.

Assay Values

| Footage | Ag | Pb | Zn | Sb |
|---|---|---|---|---|
| 422-424 | 1.30 | 7.10 | 2.30 | .06 |
| 424-426 | 0..10 | 0.13 | 2.19 | .06 |
| 426-427.5 | 0.10 | 0.32 | 1.26 | Tr |
| 427.5-428.5 | 1.10 | 5.78 | 12.20 | .06 |
| Average 6.5 feet | .62 | 3.19 | 3.55 | .046 |

Hole No. 27 @ 70°

Depth: 70 feet Casing 17.5 feet

Location: N 10650 E 10505 Elevation 2677

Objective: To probe the extension of the Matt Zone.

Results: Stopped in caving ground at 70 feet.

Hole No. 27A @ 70°

Depth 377 feet

Location: N 10646 E 10463 Elevation 2675

Drilled: 42' west from No. 27

Objective To probe the extension of the Matt Zone.

Results: Stopped in caving ground at 377 feet

## SUMMARY DRILL HOLES

| Hole Number | Gross *Value | Core Recovery | Remarks |
|---|---|---|---|
| 1 | 75.20 | | Recovery assumed to be good |
| 2 | 86.00 | | Recovery assumed to be good |
| 3 | Low | 80% | Most loss in mineralized zone |
| 4 | 26.60 | 60% | |
| 5 | | | |
| 6 | 34.83 | 60% | |
| 7 | 78.30 | 50% | |
| | 68.29 | 95% | |
| 9 | 155.00 | 95% | |
| 10 | Low | 90 -95% | |
| 14 | 95.52 | 23% | |
| 15 | 39.46 | 11% | |
| 16 | 50.29 | 35% | |
| 17 | | | Low recovery |
| 18 | | | Poor expression of zone |
| 19 | | | " " " |
| 20 | | | " " " |
| 21 | | | Stopped short of zone |
| 22 | 59.48 | 50% | |
| 23 | 53.80 | 90 - 95% | |
| 24 | Low | 25 - 50% | |
| 25 | 61.02 | 90 - 95% | |
| 26 | Low | 50% | |

All intersectionswere averaged for a length of 6 feet.

* Does not include Antimony values.

# MATT BERRY MINES LIMITED

## PROGRESS REPORT

## DIAMOND DRILL ASSAY RESULTS - Hole 1 - 13 (1966)

| WIDTH | FROM | TO | SILVER | LEAD | ZINC | ANTIMONY |
|---|---|---|---|---|---|---|
| **Hole No. 1 @ 30° - Section S-10 + 50** | | | | | | |
| 3.5 ft. | 40.0 | 43.5 | 2.3 oz. | 6.25 | 11.69 | .22 |
| 2 ft. | 66.0 | 68.0 | 21.4 oz. | 45.84 | 14.54 | .60 |
| **Hole No. 2 @ 60° - Section S-10 + 50** | | | | | | |
| 2 ft. | 38 | 40 | 6.1 oz. | 10.65 | 10.34 | .02 |
| 5 ft. | 57 | 62 | 7.9 oz. | 16.34 | 13.01 | .35 |
| **Hole No. 3 @ 90° - Section S 10 + 50** | | | | | | |
| 2 ft | 41 | 43 | 4.0 oz. | 12.22 | 4.23 | .05 |
| 3 ft. | 45.5 | 48½ | .6 oz. | .3% | 9.79 | .06 |
| 1 ft. | 64.5 | 65.5 | 1.0 oz. | 2.6 | 13.39 | .19 |
| **Hole No. 4 @ 60° - Section S 11 + 100** | | | | | | |
| 1 ft. | 36 | 37 | 2.8 oz. | 8.38 | 9.49 | .02 |
| 2 ft. | 42.6 | 45.6 | 4.7 oz. | 12.09 | 2.53 | .18 |
| 2 ft. | 55 | 57 | 4.2 oz. | 10.13 | 8.74 | .14 |
| **Hole No. 5 @ 30° - Section S 10 + 50** | | | | | | |
| 8 ft. | 39 | 47 | .7 | 1.0 | 7.30 | .025 |
| 5 ft. | 58 | 63 | 1.84 | 6.54 | 4.78 | 1.19 |
| **Hole No. 6 @ 60° - Section 11 + 50** | | | | | | |
| 3 ft. | 34 | 37 | 3.9 | 13.54 | 7.08 | 1.08 |
| **Hole No 7A @ 70° - Section S 15 + 50** | | | | | | |
| 2. ft. | 86.0 | 88.0 | 11.8 | 28.2 | 3.1 | .80 |
| 2.5 ft. | 95. | 97.5 | 21.3 | 35.2 | 6.16 | .60 |
| **Hole No. 8** | NIL | | | | | |

# MATT BERRY MINES LIMITED

## PROGRESS REPORT

| Width | From | To | Silver | Lead | Zinc | Antimony |
|---|---|---|---|---|---|---|
| **Hole No. 9A @ 70° - Section S 15 + 50** | | | | | | |
| 1 ft. | 61.5 | 62.5 | 8.6 | 13.7 | 2.3 | .23 |
| 2 ft. | 77 | 79 | .7 | 1.2 | 16.4 | .57 |
| 4.5 ft. | 90.5 | 95.0 | 10.6 | 32.8 | 22.3 | 1.47 |
| **Hole No. 10 @ 60° - Section S 13 + 00** | | | | | | |
| 0.5 | 171.0 | 171.5 | 5.64 | 13.9 | Tr | |
| 1.0 | 173.25 | 174.25 | 2.96 | 8.3 | 8.0 | |
| 2.25 | 174.25 | 176.5 | 2.04 | 3.6 | .07 | |
| 1.0 | 176.5 | 177.5 | 3.16 | 6.6 | 3.2 | |
| 1.5 | 179.5 | 181.0 | 6.60 | 14.6 | 4.0 | |
| 1.5 | 202.5 | 204.0 | 12.20 | 17.2 | 5.4 | |
| 4.25 | 173.25 | 177.5 | 2.37 | 5.10 | 2.52 | |

**Hole No. 11 @ 60° - Section 8 + 25**

Two veins had been cut, one at 69 feet and one about 79 feet. Core recovery was extremely poor and the scattered mineralization recovered was not assayed.

**Hole No. 12 @ 60° - Section 8 + 25**

| | | | | | |
|---|---|---|---|---|---|
| 2½ft. | 78.5 | 81.0 | 2.9 | 3.0 | 3.6 |

The above intersection is from a fracture zone and appears to be the main MATT ZONE - recovery was extremely poor in area of the sulphides.

**Hole No. 13 @ 90° - Section 6 + 10**

No mineralized intersections were cut and it appears that the hole was set too far to the west to intersect the main Matt Zone.

**Hole No. 14 - 17 - 1968**

**Hole No. 14 @90° - Section 14 + 75**

| | | | | | |
|---|---|---|---|---|---|
| 7.5 | 250.5 | 258.0 | 7.20 | 15.08 | 11.60 |

**Hole No. 15 @ 90° - Section 16 + 50**

| | | | | | |
|---|---|---|---|---|---|
| 4.8 | 191.5 | 196.3 | 2.93 | 5.87 | 5.35 |

# MATT BERRY MINES LIMITED

## PROGRESS REPORT

| Width | From | To | Silver | Lead | Zinc | Antimony |
|---|---|---|---|---|---|---|
| **Hole No. 16 @ 90° - Section 18 + 50** | | | | | | |
| 6.4 | 91.6 | 98.0 | 2.93 | 5.76 | 9.05 | |
| **Hole No. 17 @ 60° - Section 18 + 50** | | | | | | |
| 9.5 | 63.0 | 72.5 | .63 | 2.3 | 7.5 | |
| **Hole No. 18 @ 90° - Section 18 + 50 - start of 1969 drilling** | | | | | | |
| 3.0 | 185 | 188 | 1.0 | 1.71 | 1.48 | .02 |
| | 185 | 246 | Matt Zone - Scattered mineralization | | | |
| **Hole No. 19 @ 90° - Section 21 + 50** | | | | | | |
| 3.0 | 117.0 | 120.0 | 1.20 | .70 | .41 | |
| | 108.5 | 152.1 | Matt Zone - Scattered Mineralization | | | |
| **Hole No. 20 @ 90° - Section 20 + 00** | | | | | | |
| | 239 | 350 | Matt Zone - Scattered mineralization | | | |
| **Hole No. 21 @ 75° - Section 18 + 00** | | | | | | |
| | To be deepended | | | | | |
| **Hole No. 22 @ 75° - Section 16 + 00** | | | | | | |
| 2,3 | 327.7 | 330.0 | 4.44 | 12.3 | 7.4 | .05 |
| 2,4 | 339.6 | 342.0 | 9.10 | 17.4 | 26.1 | .31 |
| 3.4 | 345.0 | 348.4 | 3.67 | 7.0 | 4.5 | .17 |
| 6.0 | 361.0 | 367.0 | .87 | 1.53 | 3.07 | .01 |
| **Hole No. 23 @ 75° - Section 14 + 00** | | | | | | |
| 3.8 | 286 | 289.8 | 4.14 | 8.00 | 17.9 | Tr |
| **Hole No. 24 @ 90° - Section 14 + 00** | | | | | | |
| 3.9 | 285.9 | 289.8 | .46 | .62 | 10.0 | .18 |
| 2.0 | 306.2 | 308.3 | .62 | 1.30 | 10.3 | .04 |
| **Hole No. 25 @ 70° - Section 15 + 60 - Core recovery 90%** | | | | | | |
| 4.2 | 399.8 | 404.0 | 2.1 | 7.45 | 6.19 | .50 |
| 7.0 | 460.0 | 467.0 | 3.72 | 6.37 | 11.49 | .91 |
| **Hole 26A @ 70° - Section 13 + 37 - core recovery 50%** | | | | | | |
| 6.5 | 422.0 | 428.5 | .62 | 3.19 | 3.55 | .046 |

# MATT BERRY MINES LIMITED

## PROGRESS REPORT

### 1966 DRILLING COMPLETED

| | | | | |
|---|---|---|---|---|
| Hole No. | 66-1 | - | 12 foot casing | 166' depth |
| | 66-2 | - | 15 foot casing | 122' depth |
| | 66-3 | - | 12 foot casing | 71' depth |
| | 66-4 | - | 12 foot casing | 141' " |
| | 66-5 | - | 8 foot casing | 93' " |
| | 66-6 | - | 34 foot casing | 148' " |
| | 66-7 | - | 25 foot casing | 25' " |
| | 66-7A | - | 56 foot casing | 141' " |
| | 66-8 | - | 25 foot casing | 178' " |
| | 66-9 | - | 18 foot casing | 18' " |
| | 66-10 | - | 12 BX casing | 246' " |
| | 66-11 | - | 12 foot casing | 194' " |
| | 66-12 | - | 10 foot casing | 100' " |
| | 66-13 | - | 32 foot casing | 279' " |
| | 66-14 | - | 42 foot casing | 69' (hole frozen in) |
| Total footage drilled in 1966 | | | | 1,991' |

### 1968 DRILLING COMPLETED

| | | | | |
|---|---|---|---|---|
| Hole No. | 66-14 | - | 42 foot casing | 205' in December |
| | 68-15 | - | 61.5 foot casing | 421' |
| | 68-16 | - | 31.5 foot casing | 112' |
| | 68-17 | - | 37.0 foot casing | 37.0' |
| Total footage drilled in 1968 | | | | 775.0 |

### 1969 DRILLING COMPLETED

| | | | | |
|---|---|---|---|---|
| Hole No. | 68-17 | - | (see above) | 78' |
| | 69-18 | - | 93.0 foot casing | 331' |
| | 69-19 | - | 82.0 foot casing | 407' |
| | 69-20 | - | 117 foot casing | 433' |
| | 69-21 | - | 110 foot casing | 340' |
| | 69-22 | - | 77 foot casing | 503' |
| | 69-23 | - | 47 foot casing | 425' |
| | 69-24 | - | 32 foot casing | 409' |
| | 69-25 | - | 63 foot casing | 500' |
| | 69-26 | - | 20 foot casing | 409' |
| | 69-26A | - | 16 foot casing | 492' |
| | 69-27 | - | 17.5 foot casing | 70' |
| | 69-27A | - | 20 foot casing | 377' |
| Total footage drilled in 1969 | | | | 4,774' |
| Total footage drilled to date | | | | 7,540' |

# MATT BERRY MINES LIMITED

## PROGRESS REPORT

### SUMMARY OF CLAIM HOLDINGS

Frances Lake - Watson Lake Mining Division, Yukon Territory

| RECORDED | CLAIMS | REGISTRATION | STATUS | EXPIRY |
|---|---|---|---|---|
| Matt 1 - 8 | | | | |
| 86874-82 | 8 | Matt Berry | Unpatented | Jan. 7, 1975 |
| Jim 1 - 4 | | | | |
| 86882-85 | 4 | Matt Berry | Unpatented | Jan. 7, 1975 |
| Berry 1 - 8 | | | | |
| 7688-95 | 8 | Matt Berry | Unpatented | Jan. 7, 1975 |
| Berry 15 - 20 | | | | |
| 7702-07 | 6 | Matt Berry | Unpatented | Jan. 7, 1975 |
| Yoshi 8 - 28 | | | | |
| Y28935-55 | 6 | Matt Berry | Unpatented | Jan 7, 1975 |
| | 32 | | | |

| Sturgeon Lake - Patricia Mining Division, Ontario. | | | | STAKED |
|---|---|---|---|---|
| PA 245476 | 30 | Leon La Prairie | Unpatented | Oct. 28, 1969 |
| 245505 | | | | |
| PA 245509 | | | | |
| 245515 | 7 | Leon La Prairie | Unpatented | Oct. 28, 1969 |
| | 37 | | | |

Total claim holdings - 32 Yukon
37 Ontario

69 claims

## PLANNED PROGRAM

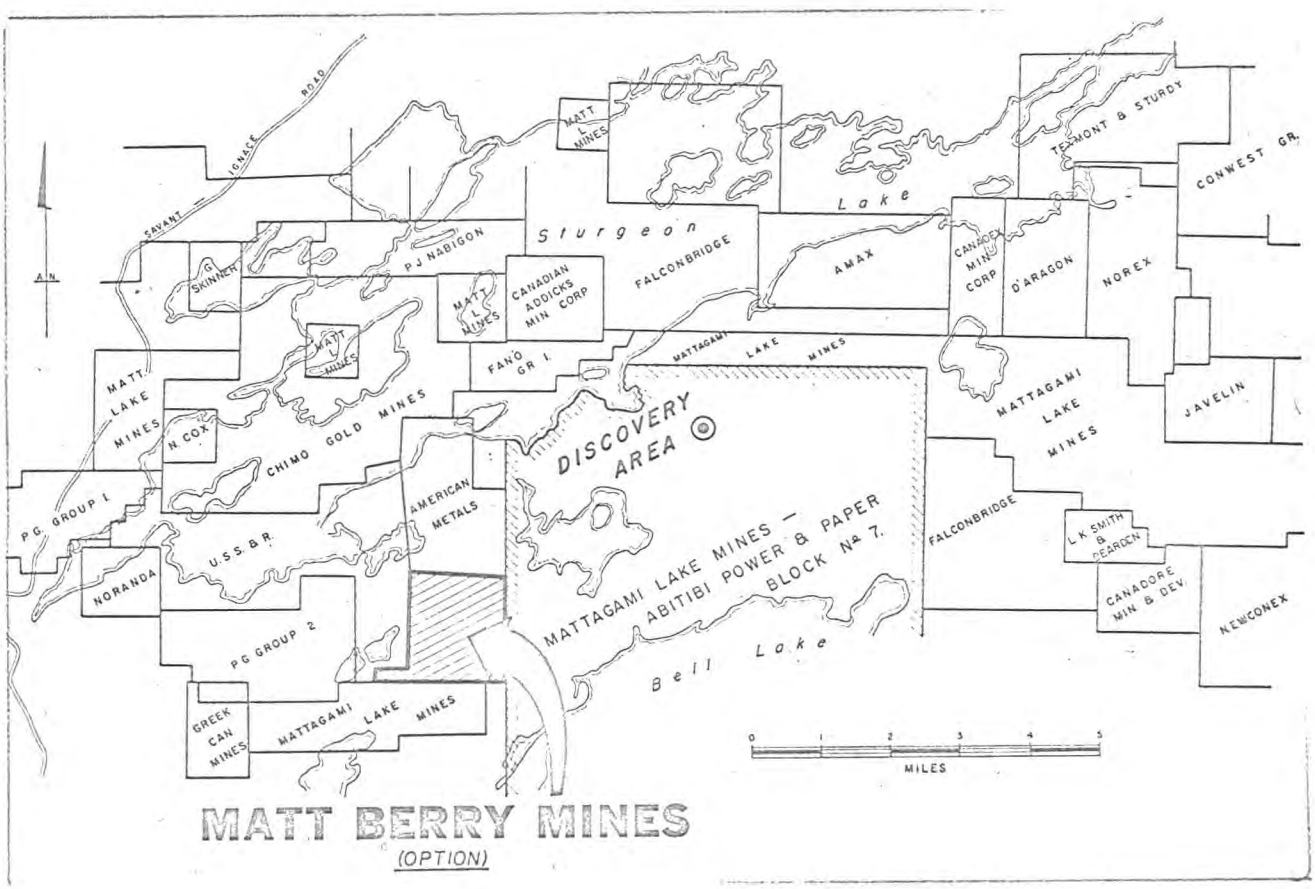
The immediate plan is to drill a tier of NX or NQ step-out drill holes which will require 6,000 feet of drilling.

The strike length of 4,500 feet containing a series of coincidental EM 16, geochemical and Turam surveys should be tested with detailed surface exploration and a follow-up of diamond drilling.

## STURGEON LAKE PROJECT - Ontario

The Company has acquired a block of 37 mineral claims in the Sturgeon Lake area of Northwestern Ontario. The claim block adjoins the west side of the Mattagami Lake Mines - Abitibi Paper Co. new base metal discovery group, with well known companies on the other three sides. American Metals to the north, U.S. Smelting and Refining to the west, and on the south boundary a second Mattagami group.

The company has plans for a line-cutting program in preparation for a geophysical ground survey.



# MATT BERRY MINES LIMITED

## PROGRESS REPORT

### COMPANY SHARE DATA SUMMARY

1) Issued Shares

| | | |
|---|---|---|
| Free Vendor | 75,000 | $ - |
| Barclay & Crawford (1966) | 200,000 | 50,000.00 |
| La Prairie 1966 option | 100,000 | 25,000.00 |
| York, 1966 option | 20,000 | 5,000.00 |
| 1968 Laross Holdings Ltd. | 100,000 | 30,000.00 |
| | 100,000 | 35,000.00 |
| | 50,000 | 20,000.00 |
| La Prairie 1968 option | 100,000 | 30,000.00 |
| Manifold 1968 option | 35,000 | 10,500.00 |
| - to be qualified | 15,000 | 4,500.00 |
| Marstan-Polydore-Rejol | 300,000 | 90,000.00 |
| A. Arsenault, 1968 | 38,500 | 9,625.00 |
| P. Smith - 1967 services | 3,000 | 750.00 |
| Albert Alley - advances | 45,000 | 15,000.00 |
| Wm. Monea - advances | 10,600 | 3,200.00 |
| Lapex Office Services | 105,800 | 31,740.00 |
| Datlasaka - vendor escrowed | 290,000 | |
| 1966 underwriters - vendor escrowed | 135,000 | |
| | 1,722,900 | $360,315.00 |

2) Management option

| | |
|---|---|
| L. La Prairie @ 30¢ expires Sept 3/74 | 100,000 |
| H. T. Hurley @ 45¢ expires Nov 19/74 | 25,000 |
| H. T. Hurley @ 30¢ expires Sept 3/74 | 25,000 |
| L. Labow @ 45¢ expires Nov 19/74 | 50,000 |
| | 200,000 |

### SUMMARY

| | |
|---|---|
| Capitalization | 5,000,000 |
| Issued trading | 1,297,900 |
| Issued escrowed | 425,000 |
| to be qualified | 15,000 |
| Management options | 200,000 |
| Treasury shares | 3,062,100 |

Legend

1. Phyllitic Shale
2. Matt Zone
3. Talc-quartz mica-schist

Assays

width, Silver oz., Lead %, Zinc %

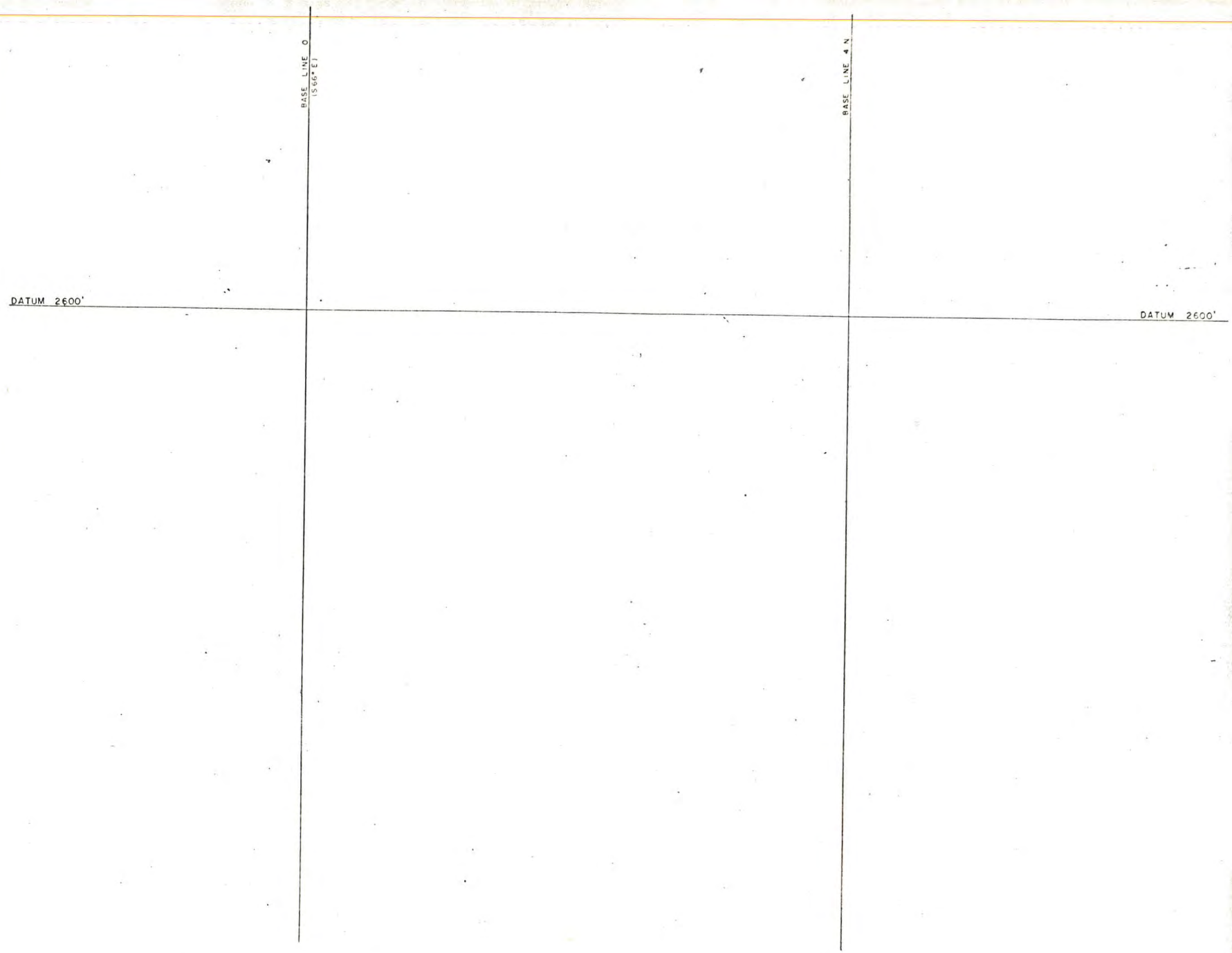
SCALE IN FEET

DRAWN W.D.S.
TRACED
CHECKED

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.

D.D.H. - 19
SECTION - 22 S

DATE MAY, 58




Legend

1 Pyritic Shale

2 Matt Zone

ASSAYS

Core width, Silver oz., Lead %, Zinc %

0' 40' 80' 120'

SCALE IN FEET

DRAWN W.O.S.

TRACED

CHECKED

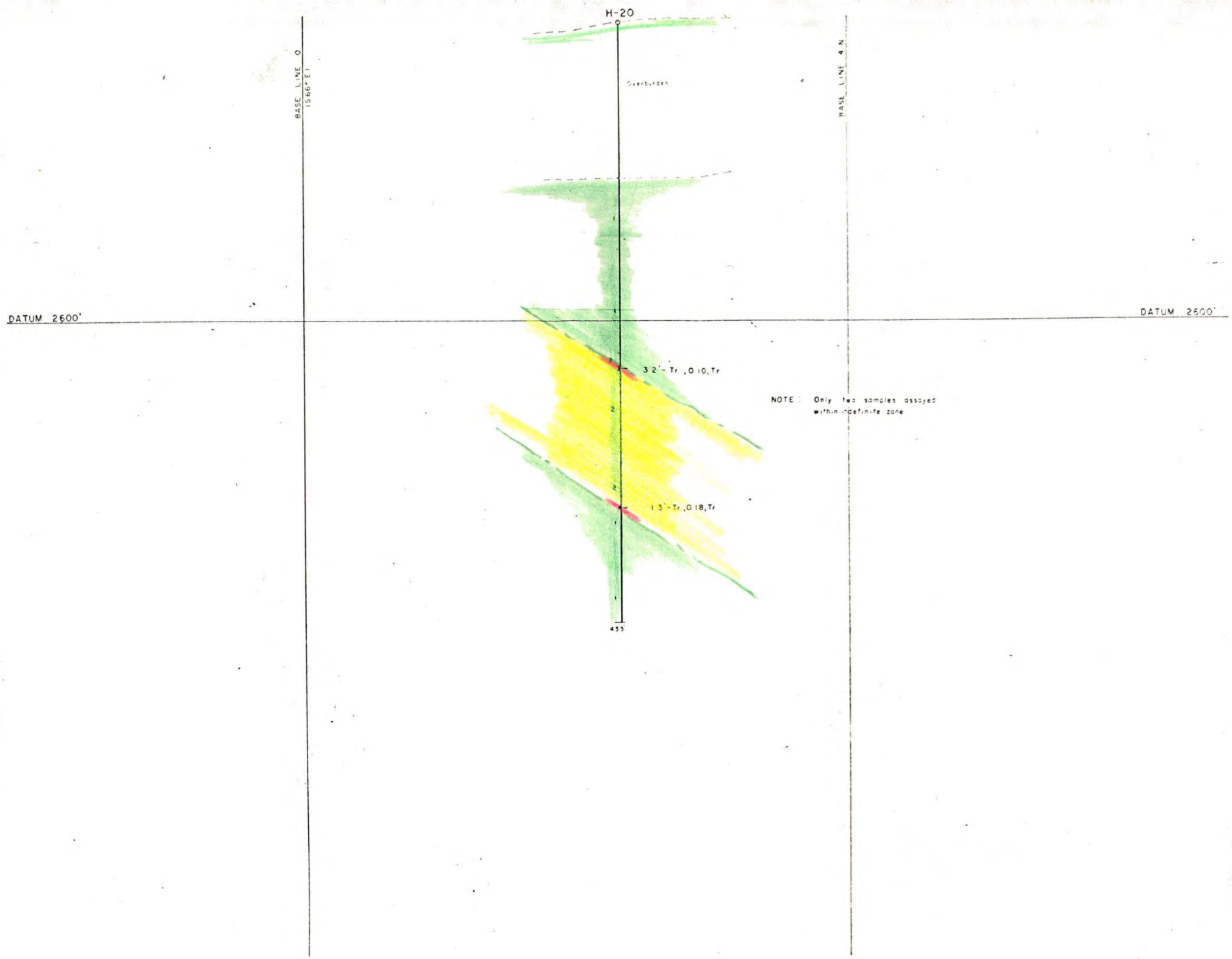
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY Y.T.

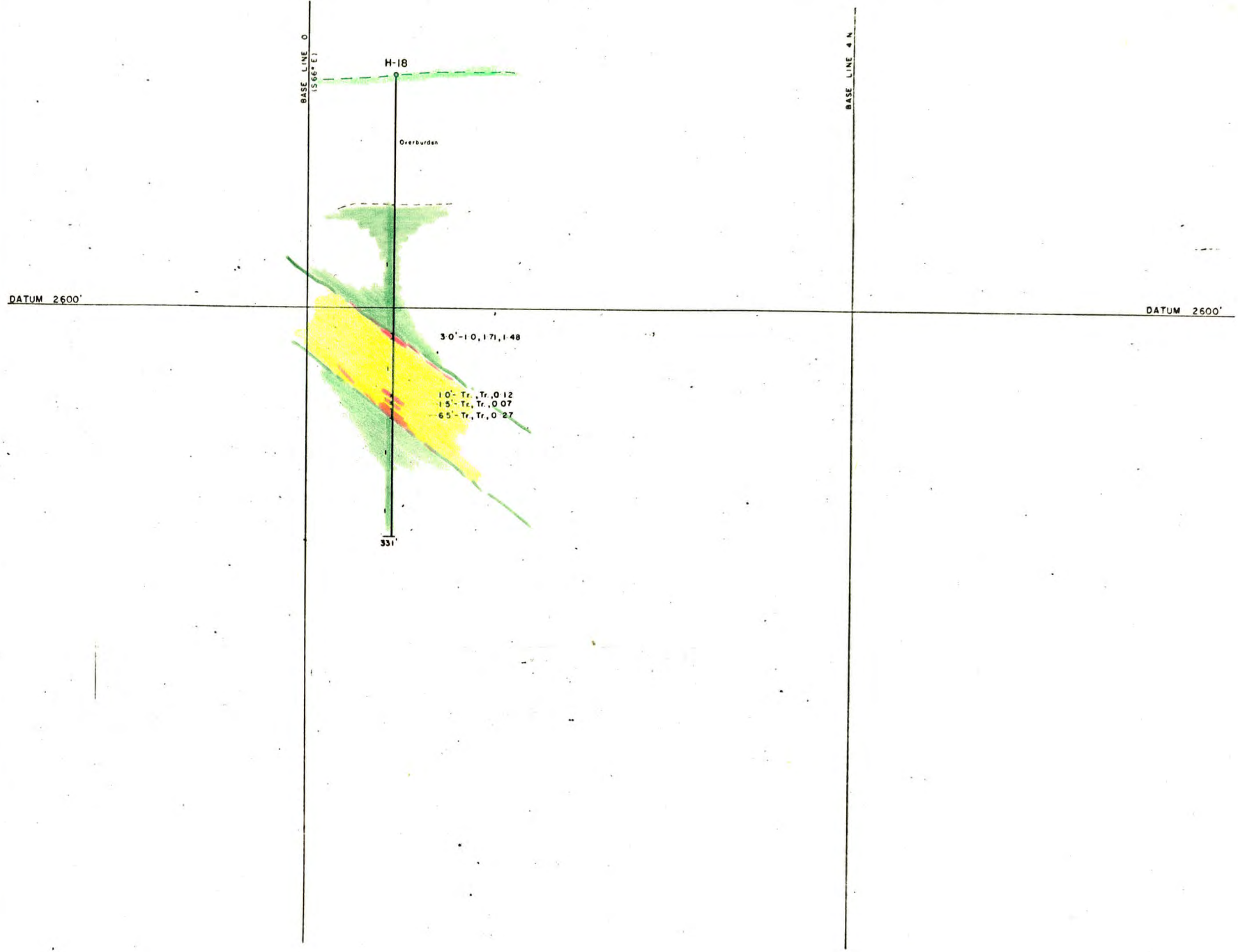
D.D.H. -

SECTION - 21S

DATE MAY, 5




| | | |
|---|---|---|
| DRAWN W.D.S. | MATT BERRY MINES LTD. | DATE MAY, 59 |
| TRACED | FRANCES LAKE PROPERTY Y.T. | |
| CHECKED | D.D.H. - 20 | |
| | SECTION - 20S | |




LEGEND

1 Phyllitic Shale

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

SCALE IN FEET

DRAWN W.D.S.

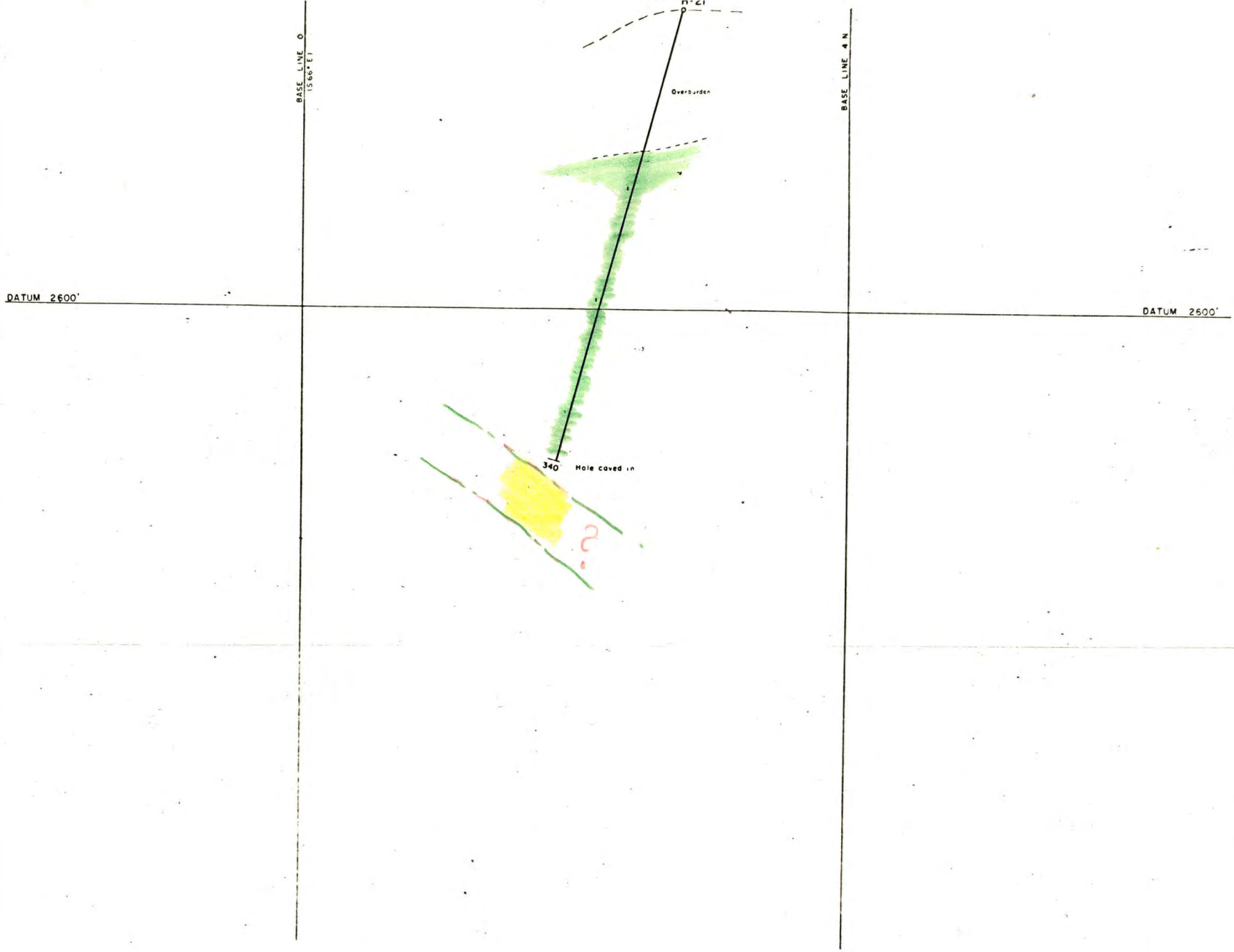
TRACED

CHECKED

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY YT.

D.D.H. - 18
SECTION - 19 S

DATE MAY, 52




LEGEND

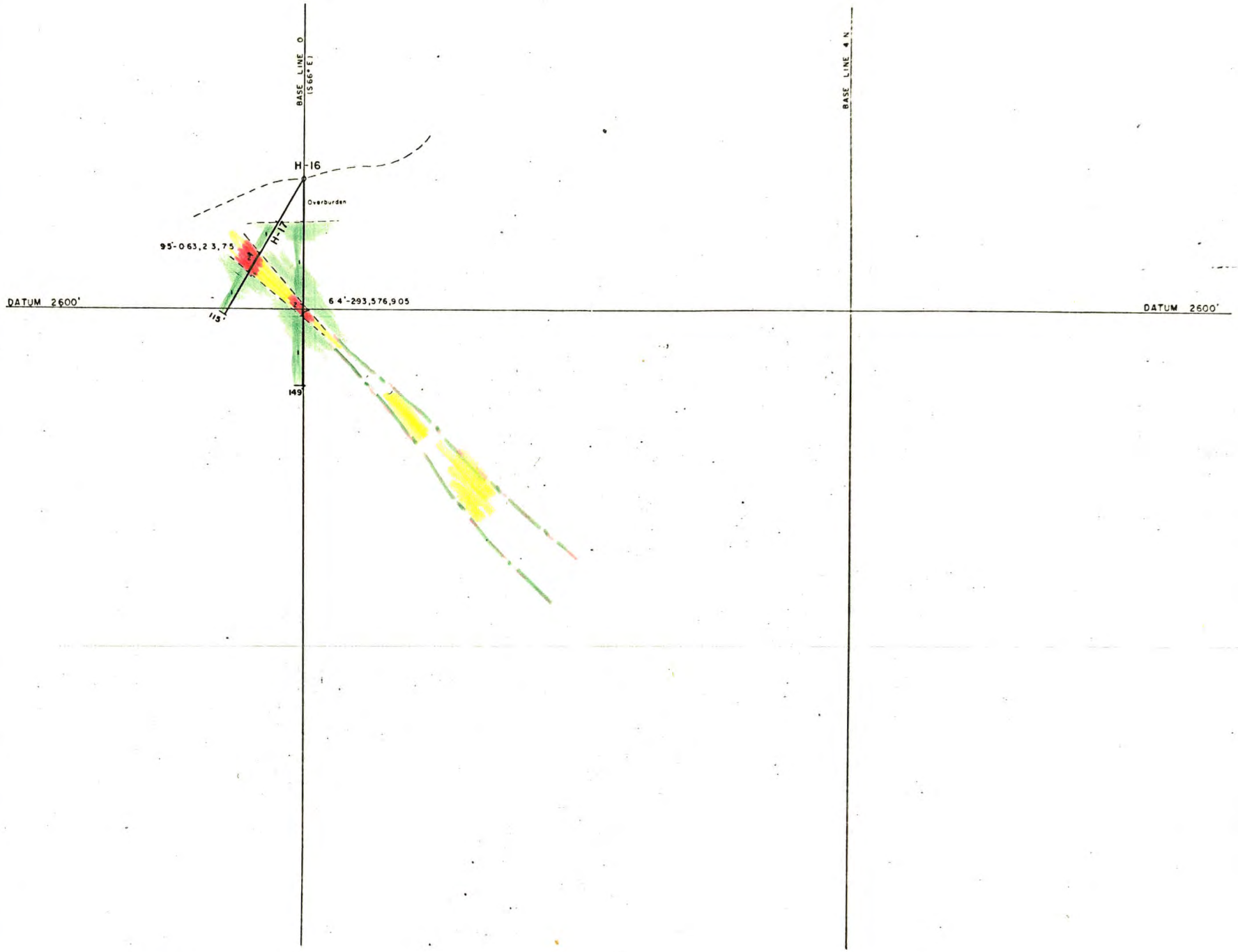
1 Pyritic Shale

2 Matt Zone

ASSAYS

SCALE IN FEET

| | | |
|---|---|---|
| DRAWN W.D.S. | MATT BERRY MINES LTD. | DATE MAY, 58 |
| TRACED | FRANCES LAKE PROPERTY YT | |
| CHECKED | D.D.H. - 21 | |
| | SECTION - 18S | |




Legend

1 Phyllitic Shale

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

40' 0' 40' 80' 100'

SCALE IN FEET

DRAWN W.D.S.

TRACED

CHECKED

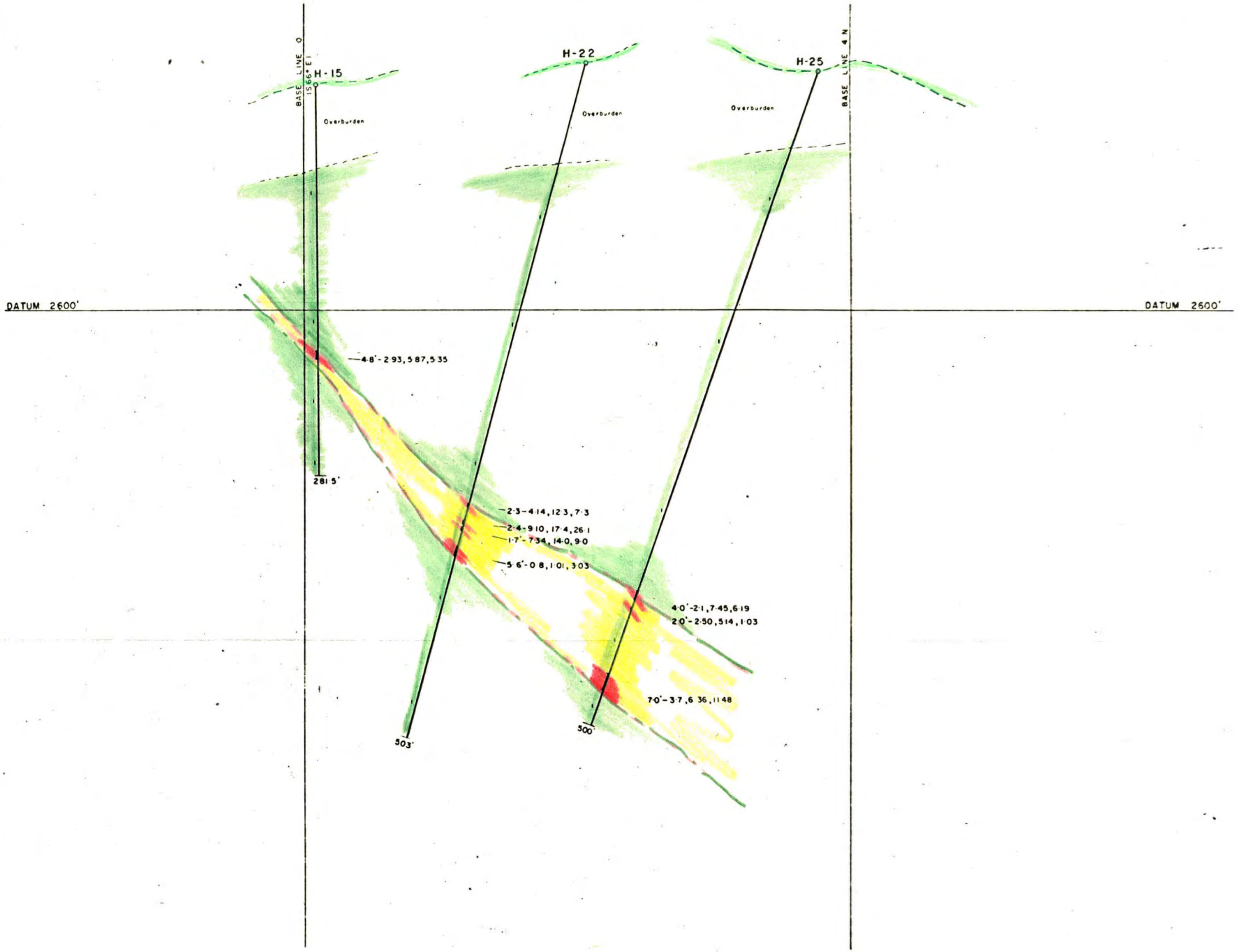
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY Y.T.

D.D.H. - 16 & 17

SECTION - 17 S

DATE MAY, 58




Legend

1 Phyllitic Shale

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

40 0 40' 80' 120'

SCALE IN FEET

DRAWN W.D.S.

TRACED

CHECKED

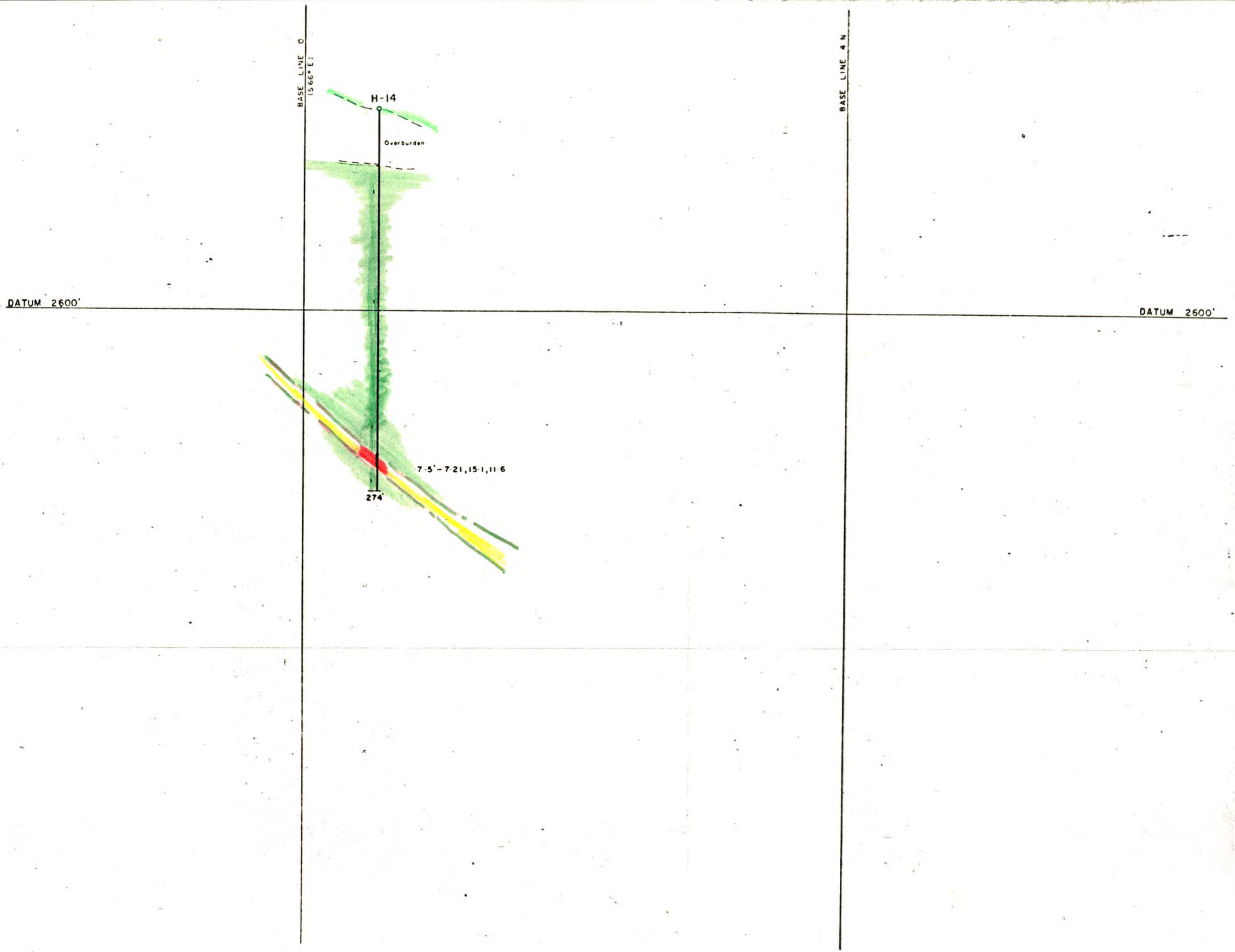
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY Y.T.

D.D.H. - 15, 22, 25

SECTION - 16 S

DATE MAY, 58




Legend

1 Pyritic Shale

2 Matt Zone

ASSAYS

= dth, Silver oz., Lead %, Zinc %

SCALE IN FEET

DRAWN W.D.S.

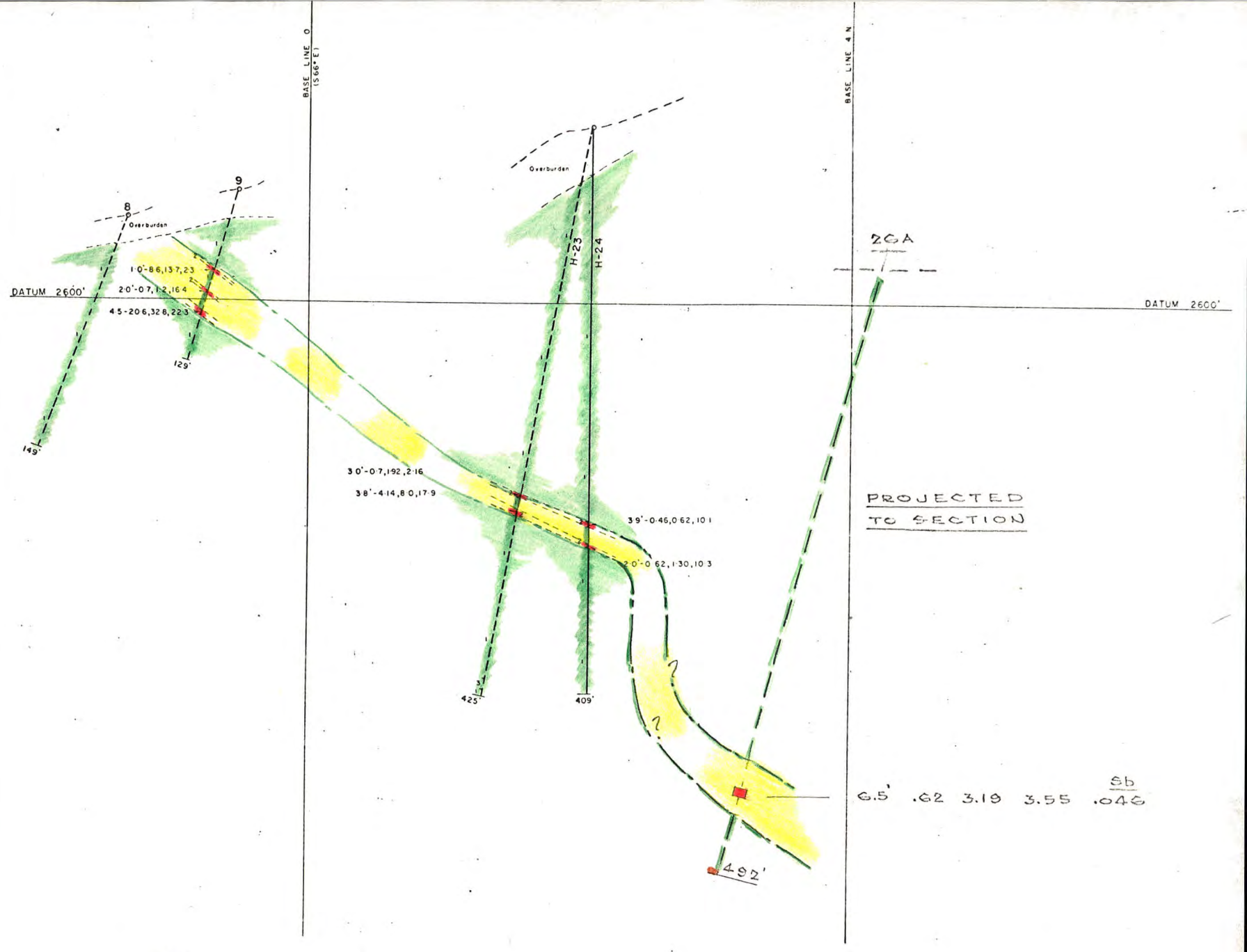
TRACED

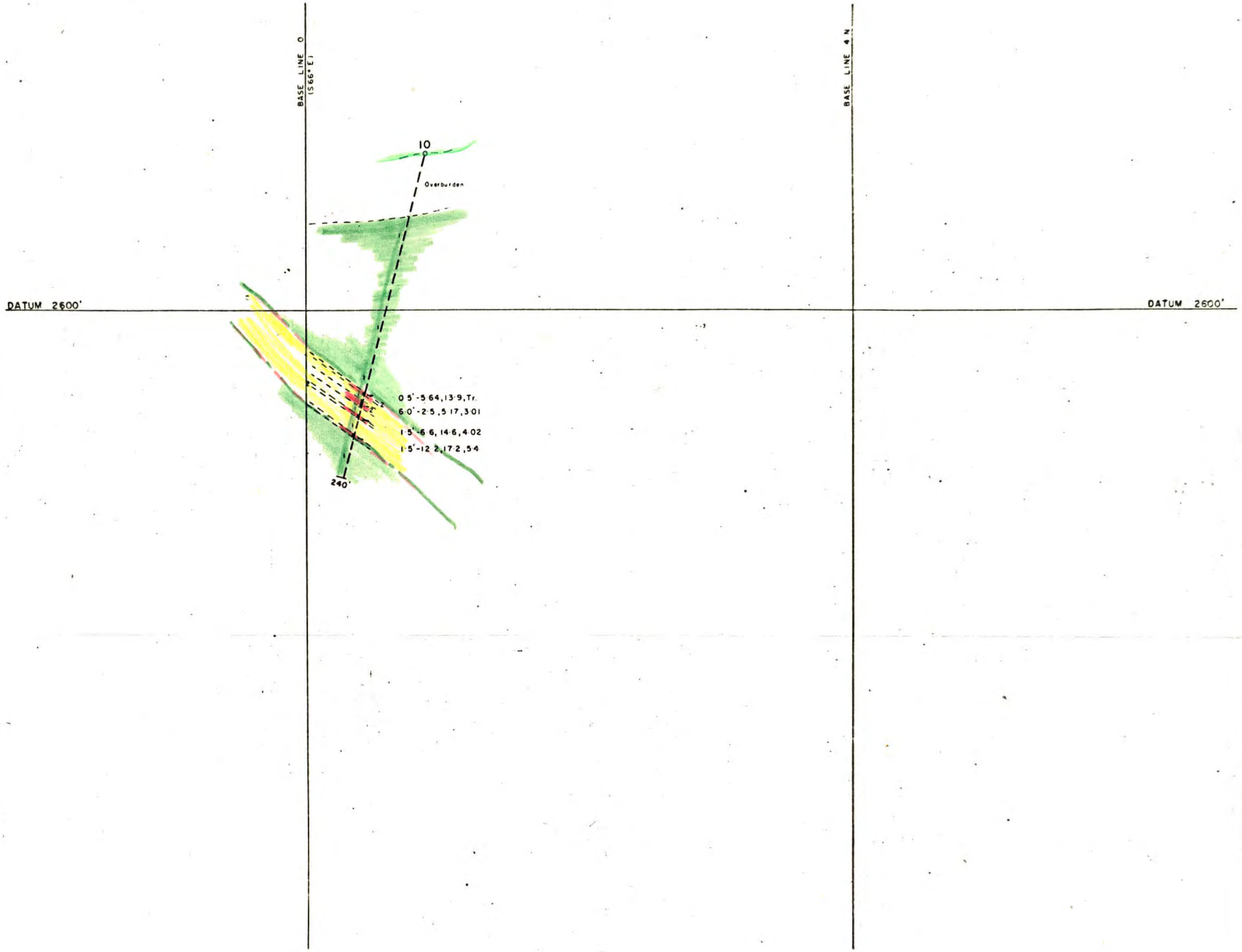
CHECKED

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.

D.D.H. - 14
SECTION - 15 S

DATE MAY, 58


BASE LINE 0
(S66°E)
BASE LINE 4 N
DATUM 2600'
DATUM 2600'
8
9
Overburden
Overburden
H-23
H-24
2GA
1.0'-86,137,23
2.0'-0.7,1.2,164
4.5-206,328,223
129'
149'
3.0'-0.7,192,2.16
3.8'-4.14,8.0,17.9
3.9'-0.46,0.62,10.1
2.0'-0.62,1.30,10.3
425'
409'
497'
PROJECTED
TO SECTION
6.5' .62 3.19 3.55 .046
Sb
Legend
1 Phyllitic Shale
2 Matt Zone
3 Talc-quartz-mica schist
ASSAYS
width, Silver oz., Lead %, Zinc %
SCALE IN FEET
DRAWN W.D.S.
TRACED
CHECKED
MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.
D.D.H. - 8,9,23 & 24
SECTION - 14 S
LOOKING N 66° W
DATE MAY, 59




Legend

1 Phyllitic Shale

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

40' 0' 40' 80' 120'

SCALE IN FEET

DRAWN W.D.S.

TRACED

CHECKED

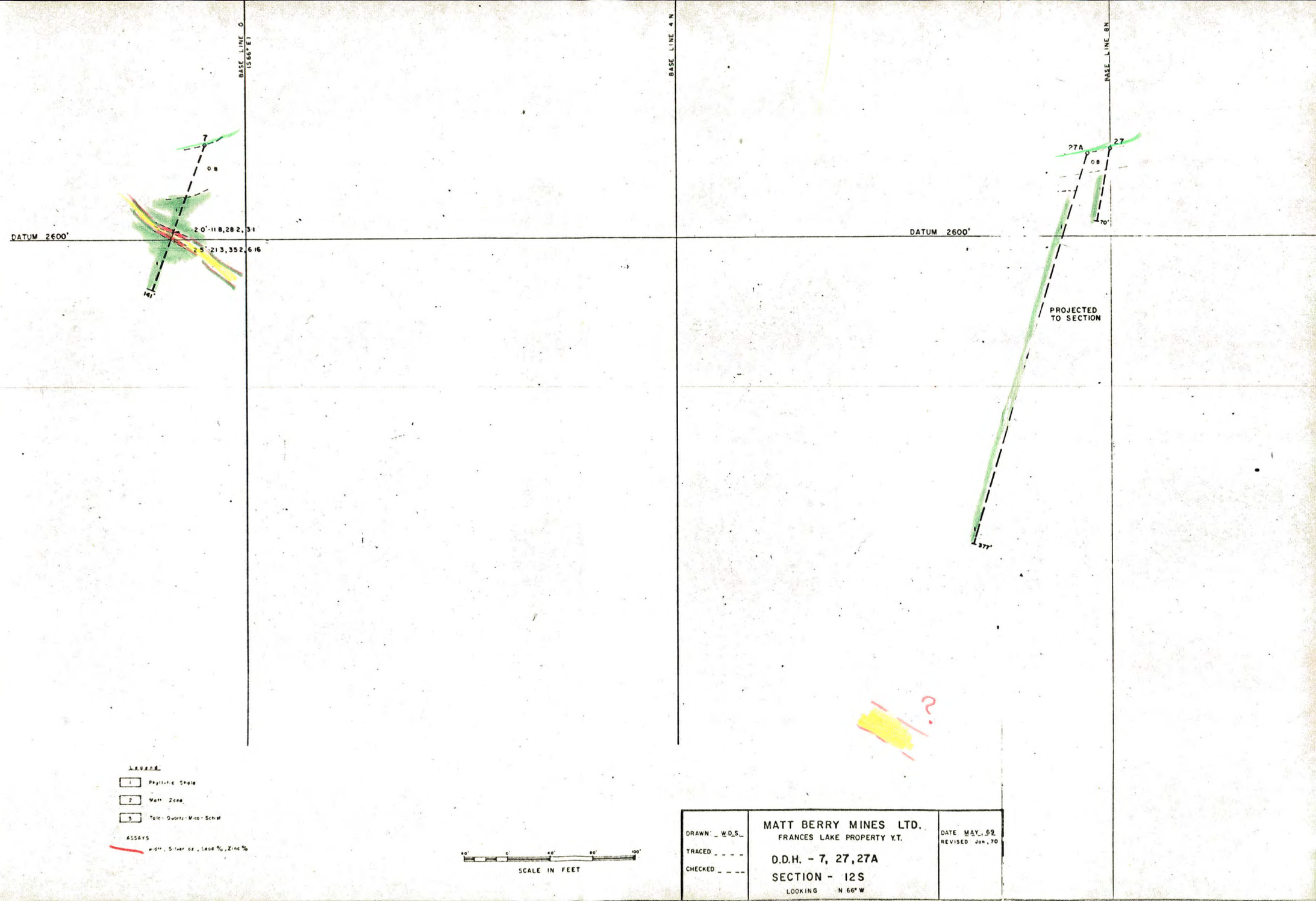
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY Y.T.

D.D.H. - 10

SECTION - 13 S

DATE MAY 5


BASE LINE 0
1566' E1
BASE LINE 4 N
BASE LINE 8N
DATUM 2600'
DATUM 2600'
7
0
0 B
20'-118,282,31
25'-213,352,616
27A
27
0 B
70'
377'
PROJECTED
TO SECTION
?
Legend
1 Phyllitic Shale
2 Matt Zone
3 Talc-Quartz-Mica-Schist
ASSAYS
Gold, Silver oz, Lead %, Zinc %
40' 0' 40' 80' 100'
SCALE IN FEET
DRAWN: W.D.S.
TRACED
CHECKED
MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.
D.D.H. - 7, 27, 27A
SECTION - 12S
LOOKING N 66° W
DATE MAY, 69
REVISED Jan, 70

Legend

1 Phyllitic Shale

2 Matt Zone

ASSAYS

width, Silver oz, Lead %, Zinc %

SCALE IN FEET

DRAWN W.D.S.

TRACED

CHECKED

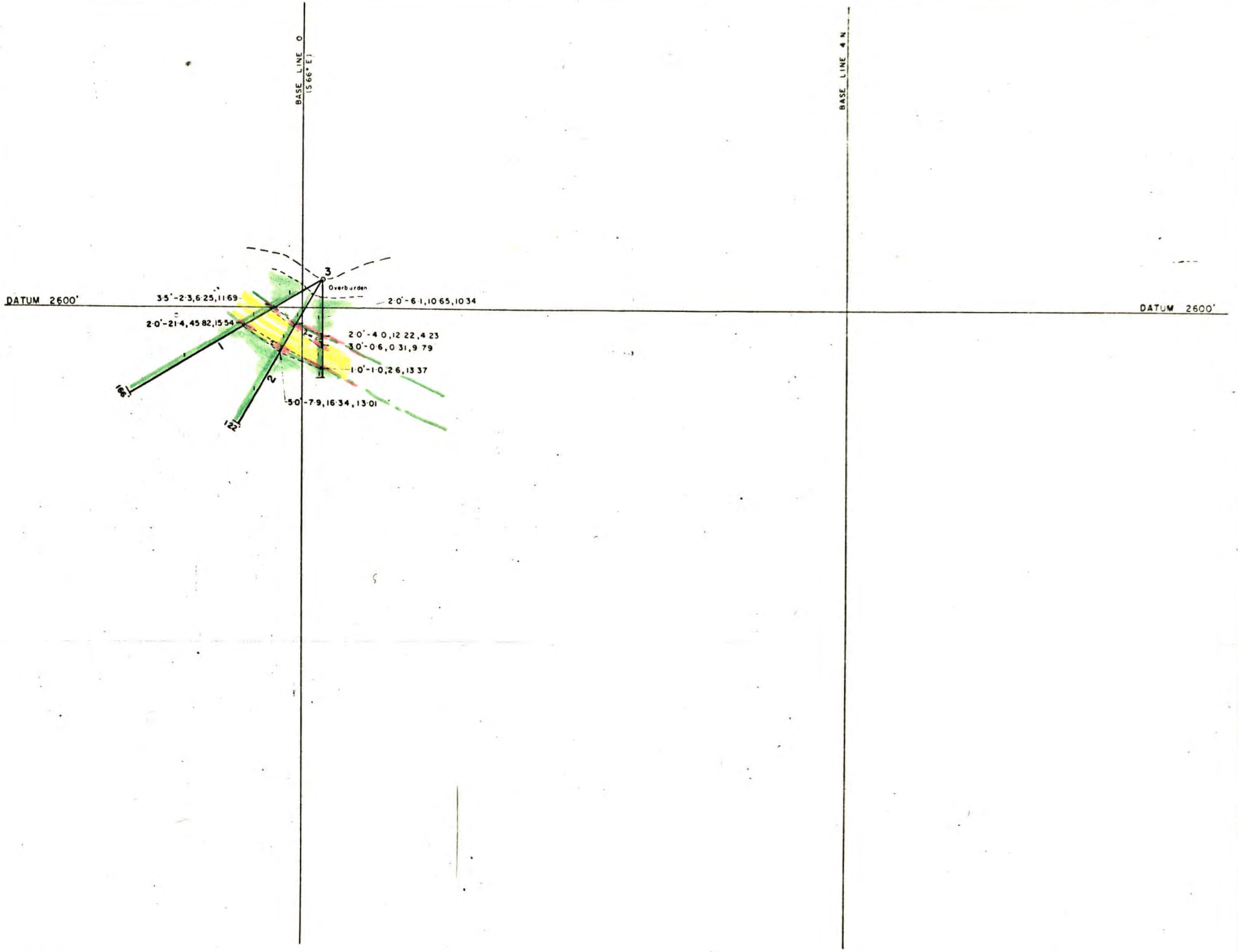
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY Y.T.

D.D.H. - 6

SECTION - 11 S

DATE MAY, 6




Legend

1 Phyllitic Shale

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

40' 0' 40' 80' 100'

SCALE IN FEET

DRAWN W.O.S.

TRACED

CHECKED

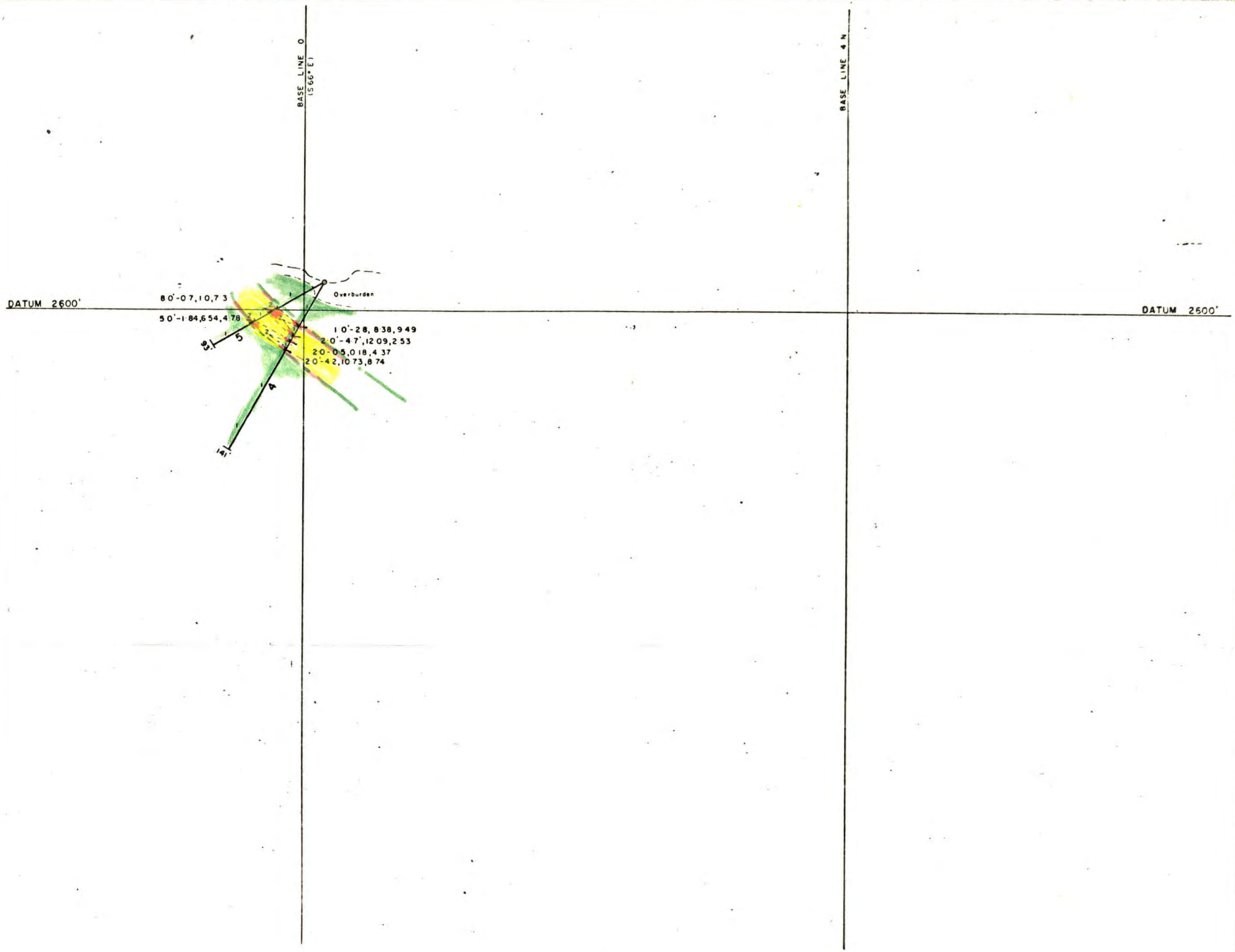
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY Y.T.

D.D.H. - 1, 2 & 3

SECTION - 10S

DATE MAY, 59




Legend

1 Pyritic Shale

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

SCALE IN FEET

DRAWN W.D.S.

TRACED

CHECKED

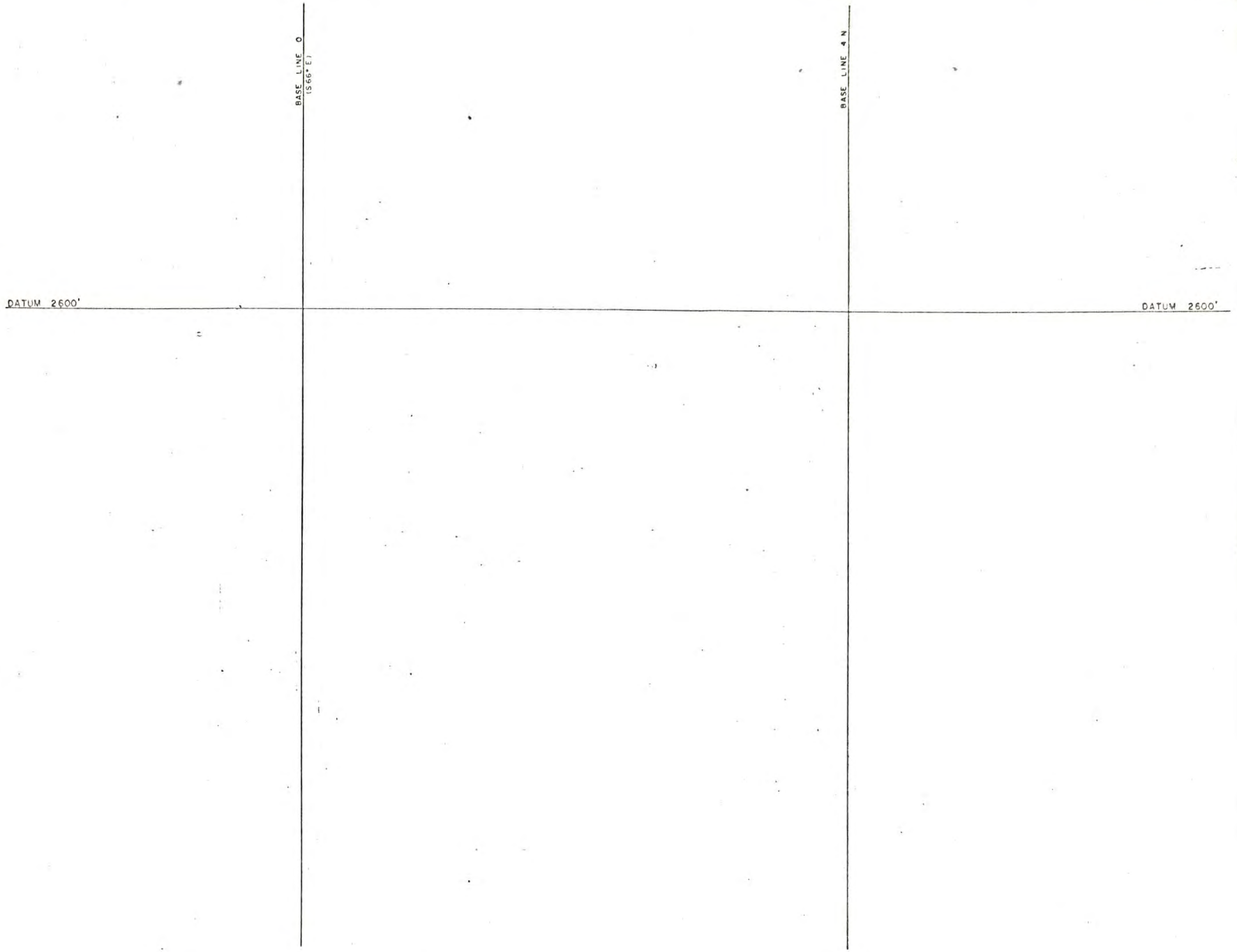
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY Y.T.

D.D.H. - 4 & 5

SECTION - 10 S

DATE MAY, 5




Legend

1 Phyllitic Shale

2 Matt Zone

ASSAYS

Core width, Silver oz., Lead %, Zinc %

40' 0' 40' 80' 120'

SCALE IN FEET

| | | |
|---|---|---|
| DRAWN W.D.S. | MATT BERRY MINES LTD. | DATE MAY, 9 |
| TRACED | FRANCES LAKE PROPERTY Y.T. | |
| CHECKED | D.D.H. - | |
| | SECTION - 9S | |

Legend

Phyllitic Shale

Matt Zone.

ASSAYS

= dth., Silver oz., Lead %, Zinc %

SCALE IN FEET

DRAWN W.O.S.

TRACED

CHECKED

MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY YT.

D.D.H. - 11 & 12

SECTION - 8 S

BASE LINE 0
(S66°E)

BASE LINE 4 N

DATUM 2600'

DATUM 2600'

LEGEND

1 Argillite Shale

2 Matt Zone

ASSAYS

Core width, Length of, Lead %, Zinc %

SCALE IN FEET

| | |
|---|---|
| DRAWN. W.D.S. | MATT BERRY MINES LTD. |
| TRACED | FRANCES LAKE PROPERTY YT. |
| CHECKED | D.D.H. - |
| | SECTION - 7 S |
| | DATE MAY. 8 |

Legend

1 Phyllitic Shale

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

SCALE IN FEET

DRAWN W.D.S.

TRACED

CHECKED

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.

D.D.H. - 13
SECTION - 6 S

DATE MAY

# MATT BERRY MINES
## LIMITED
(Non-Personal Liability)

*Annual Report*

*1969*

# MATT BERRY MINES LIMITED

Suite 1102 — 347 Bay Street,
Toronto 1, Ontario.

*(Incorporated under the laws of the Province of British Columbia)*

## OFFICERS

| | |
|---|---|
| LEON F. LAPRAIRIE | *President & Managing Director* |
| H. T. HURLEY | *Vice-President* |
| L. F. LABOW | *Vice-President* |
| BLANDINA K. HOBAN | *Secretary-Treasurer* |

## DIRECTORS

| | |
|---|---|
| ARMAND ARSENAULT | Vancouver |
| L. F. LABOW | Toronto |
| LEON F. LAPRAIRIE | Toronto |
| ROSS M. MACLEAN | Edmonton |
| ALBERT H. MANIFOLD | Vancouver |

## REGISTERED OFFICE

850 West Hastings Street, Vancouver, B.C.

## TRANSFER AGENT AND REGISTRAR

The Royal Trust Company,
Vancouver, British Columbia.

# MATT BERRY MINES LIMITED

## *Directors' Report to Shareholders*

Accompanying this Report is submitted the Financial Statement dated March 31, 1969, with the Auditor's Report thereon, and an unaudited Balance Sheet of the Company as at November 30, 1969.

Since the first Annual Meeting of your Company further exploration has taken place on the Company's Silver-Base metal property in the Watson Lake area of the Yukon, and the Company has acquired a block of mineral claims in the Sturgeon Lake area of Northwestern Ontario.

### FRANCES LAKE PROJECT — YUKON

#### Work Completed

In 1966 Matt Berry Mines Limited was formed and a program of hand trenching and prospecting was started in the area of surface mineralization which was followed by 1,991 feet of diamond drilling to include 13 drill holes.

In 1968, an electromagnetic EM 16 survey and a geochemical survey was carried out on a portion of the claim group which outlined a series of coincidental anomalies over a strike length of 4,500 feet. An additional 4,201 feet was drilled in 12 holes for a total of 6,192 feet.

During 1969 a geophysical field party of Seigel Associates Limited executed a Turam electromagnetic survey over approximately 500 acres which also covered the area of the previous surveys. The Turam survey shows electromagnetic response in the southeastern portion of the previously surveyed area, and coincidental to the EM 16 and geochemical anomalies yet to be tested. In the current diamond drill program a further 1,348 feet has been drilled for a total footage to date of 7,540 feet. Hole 26A has extended the indicated tonnage.

#### Results of Work

Two Geophysical surveys and a geochemical survey have outlined a strike length of 4,500 feet with a series of coincidental anomalies of which the most northwesterly 1,400 feet has been drilled and found to be mineralized. The most northerly 900 feet of the 4,500 feet is considered to have a potential silver-lead-zinc-antimony ore grade.

Diamond drilling to Hole No. 25 for a footage of 6,192 feet outlined an indicated tonnage of 415,500.

Due to the heavy core losses in the mineralized sections it is not possible to obtain an accurate average grade for the Matt Berry Zones and in order to arrive at as reliable figures as possible eight intersections have been chosen as probably being the most representative for grade analysis.

The first five intersections are in shallow holes with relatively good core recovery in the mineralized sections. The last three intersections were chosen because they had the best core recovery in the deeper holes. The resulting average grades are regarded as being probably indicative of the Matt Berry Zones.

| Drill Hole | Width | Silver oz. | Lead % | Zinc % | Antimony % | Core Recovery |
|---|---|---|---|---|---|---|
| 1 | * 6.0′ | 7.10 | 15.27 | 4.84 | .60 | Assumed to be about 100% |
| 2 | * 6.0′ | 6.50 | 13.50 | 10.80 | .20 | Assumed to be about 100% |
| 4 | * 6.0′ | 2.35 | 6.04 | 1.26 | .09 | 60% |
| 6 | * 6.0′ | 1.95 | 6.77 | 3.54 | .54 | 60% |
| 7 | * 6.0′ | 8.94 | 14.80 | 2.58 | .25 | 95% |
| 23 | 6.0′ | 2.60 | 5.00 | 11.20 | — | 90-95% |
| 25 | 6.0′ | 1.47 | 5.20 | 4.32 | .35 | 90-95% |
| | 7.0′ | 3.72 | 6.37 | 11.49 | .91 | 90-95% |
| Average grade | | 4.33 | 9.12 | 6.25 | .38 | |

### Property Potential

1. Drilling and trenching completed indicate continuous mineralization in a stratiform structure over a strike length of 1,400 feet and extended at least 600 feet down a synclinal plunge. The ore grade mineralization is open to strike and depth extension and the structural trend does lend a potential for a large tonnage development.

2. The two geophysical surveys and the geochemical survey indicate the possibilities of additional mineralized zones along the strike length of 4,500 feet in which a series of anomalies remain to be tested.

3. The potential ore minerals are mainly silver-lead-zinc with varying amounts of antimony and possible minor recoverable values of copper and gold.

### Planned Program

1. The immediate plan is to continue the drilling of the Matt Zone within the synclinal trough for a large tonnage development.

2. The strike length of 4,500 feet containing a series of coincidental EM 16, geochemical and Turam surveys is planned to be tested by detailed surface exploration and a follow-up of diamond drilling.

## STURGEON LAKE PROJECT — ONTARIO

The Company has acquired a block of 37 mineral claims in the Sturgeon Lake area of Northwestern Ontario. The claim block adjoins the west side of the Mattagami Lake Mines — Abitibi Paper Co. new silver — base metals discovery group, with well known companies on the other three sides — American Metals to the north, United States Smelting and Refining to the west, and on the south boundary a second Mattagami group.

The Company has plans for a line cutting program in preparation for a geophysical survey on the ground.

## COMPANY FINANCING

Through a treasury share underwriting covered by a Company Prospectus dated November 3, 1969, an initial amount of $90,000.00 was placed in the treasury by the sale of 300,000 shares.

The continued interest and support extended by the shareholders is very much appreciated.

On behalf of the Board,

LEON F. LaPRAIRIE,
President.

December 31st, 1969.

# MATT BERRY MINES LIMITED (N.P.L.)

(Incorporated under the laws of British Columbia)

## *Balance Sheet as at March 31, 1969*

### ASSETS

| | 1969 | 1968 |
|---|---|---|
| **Current Assets** | | |
| Cash and short term deposits | $ 26,488.14 | $ 2,339.36 |
| Accounts receivable | 3,072.55 | |
| | 29,560.69 | 2,339.36 |
| Mining properties — at cost (note 3) | 79,245.00 | 76,650.00 |
| **Deferred Expenditure** | | |
| Exploration | 174,053.42 | 64,744.95 |
| Administration | 41,589.59 | 21,470.91 |
| | 215,643.01 | 86,215.86 |
| Organization expense | 5,207.71 | 5,207.71 |
| | $ 329,656.41 | $ 170,412.93 |

### LIABILITIES

| | | |
|---|---|---|
| **Current Liabilities** | | |
| Accounts payable and accrued charges | $ 38,776.41 | $ 1,532.93 |
| **Deferred Liability** | | |
| Note payable May 31, 1969 | | 3,500.00 |

### SHAREHOLDERS' EQUITY

| | | |
|---|---|---|
| **Capital Stock** (Note 1) | | |
| Authorized: 5,000,000 shares of $1.00 each | | |
| Issued and fully paid: | | |
| 1969 — 1,246,505 shares | 1,246,505.00 | |
| 1968 — 1,111,505 shares | | 1,111,505.00 |
| **Less:** Discount | 1,040,625.00 | 946,125.00 |
| | 205,880.00 | 165,380.00 |
| Contributed surplus (note 2) | 85,000.00 | |
| | 290,880.00 | 165,380.00 |
| | $ 329,656.41 | $ 170,412.93 |

See notes to financial statement

Approved on behalf of the Board:

L. F. LaPRAIRIE, Director.

H. T. HURLEY, Director.

# MATT BERRY MINES LIMITED (N.P.L.)

## *Notes to Financial Statement*
**March 31, 1969**

### 1. Capital Stock

During the year ended March 31, 1969, the Company issued 135,000 shares of capital stock for $40,500.00 cash, pursuant to management option agreements.

At March 31, 1969, issued capital consisted of:

| | Shares | Capital | Discount |
|---|---|---|---|
| Issued for: | | | |
| Mining claims | 750,000 | $ 750,000.00 | $ 675,000.00 |
| Cash | 446,005 | 446,005.00 | 327,750.00 |
| Services | 50,500 | 50,500.00 | 37,875.00 |
| | 1,246,505 | $ 1,246,505.00 | $ 1,040,625.00 |

At March 31, 1969, a director held an option on 15,000 shares of capital stock at 30 cents per share, exercisable on or before June 30, 1971, so long as the optionee is a director, officer or employee of the Company.

### 2. Contributed Surplus

Pursuant to an agreement dated August 1, 1968, as amended, the Company sold a total of 250,000 shares of capital stock for $85,000.00 cash which amount is shown as contributed surplus. These shares had previously been issued and were donated by a shareholder of the Company for the purpose of the aforementioned financing.

### 3. Mining Claims

83 unpatented claims located in the Watson Lake Mining Division, Yukon Territory, consisting of:

| | |
|---|---|
| 12 claims acquired for 750,000 shares of capital stock valued by the directors at 10 cents per share | $75,000.00 |
| 71 claims acquired by staking at cost | 4,245.00 |
| | $79,245.00 |

## AUDITORS' REPORT

We have examined the balance sheet of Matt Berry Mines Limited (N.P.L.) as at March 31, 1969 and the statements of deferred exploration expenditure, deferred administration expenditure and source and application of funds for the year then ended. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the Company as at March 31, 1969 and the results of its operations and the source and application of its funds for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

TORONTO, Canada,
June 4, 1969.

NEFF, GOODWIN & CO.,
Chartered Acountants.

# MATT BERRY MINES LIMITED (N.P.L.)

## *Statement of Deferred Exploration Expenditure*

**For the Year Ended March 31, 1969**

| | Balance March 31, 1968 | Year Ended March 31, 1969 | Balance March 31, 1969 |
|---|---|---|---|
| Diamond drilling | $ 21,788.51 | $ 34,249.89 | $ 56,038.40 |
| Engineering fees | 7,510.30 | 10,819.50 | 18,329.80 |
| Labour | 12,819.65 | 14,032.66 | 26,852.31 |
| Equipment and supplies | 6,755.64 | 26,509.11 | 33,264.75 |
| Sampling and assaying | 1,371.15 | 2,355.10 | 3,726.25 |
| Travel and transportation | 11,361.91 | 18,403.26 | 29,765.17 |
| Board and lodgings | 1,787.85 | 861.86 | 2,649.71 |
| Sundry expense | 1,349.94 | 2,077.09 | 3,427.03 |
| | $ 64,744.95 | $109,308.47 | $174,053.42 |

## *Statement of Deferred Administration Expenditure*

**For the Year Ended March 31, 1969**

| | 1969 | 1968 |
|---|---|---|
| Head office services | $ 4,000.00 | $ 1,200.00 |
| Office salaries | 658.64 | |
| Office supplies and expense | 2,807.79 | 245.44 |
| Telephone and telex | 574.79 | 293.94 |
| Travel | 620.91 | 228.48 |
| Professional fees | 9,632.48 | 1,465.15 |
| Transfer agency fees | 1,079.35 | 947.13 |
| Shareholders' meetings and reports | 236.59 | 557.55 |
| Directors' fees | 300.00 | |
| Stock exchange fees | 1,085.00 | |
| Consulting fees | | 3,880.55 |
| Sundry expense | 149.30 | 36.59 |
| | 21,144.85 | 8,854.83 |
| **Less:** Interest earned | 1,026.17 | |
| | 20,118.68 | 8,854.83 |
| Balance, beginning of the year | 21,470.91 | 12,616.08 |
| Balance, end of the year | $ 41,589.59 | $ 21,470.91 |

# MATT BERRY MINES LIMITED (N.P.L.)

## *Statement of Source and Application of Funds*

**For the Year Ended March 31, 1969**

| | 1969 | 1968 |
|---|---|---|
| **Source** | | |
| Issue of capital stock | $ 40,500.00 | $ 6,650.00 |
| Sale of donated shares (note 1) | 85,000.00 | |
| Interest earned | 1,026.17 | |
| Loan from another company | | 3,500.00 |
| | 126,526.17 | 10,150.00 |
| **Application** | | |
| Exploration expenditure | 109,308.47 | 292.95 |
| Administration expenditure | 21,144.85 | 8,854.83 |
| Acquisition of mining claims | 2,595.00 | |
| Payment of loan | 3,500.00 | |
| | 136,548.32 | 9,147.78 |
| Increase (decrease) in working capital | (10,022.15) | 1,002.22 |
| Working capital (deficiency) beginning of the year | 806.43 | (195.79) |
| Working capital (deficiency) end of the year | $ (9,215.72) | $ 806.43 |
| Shares of capital stock issued for cash | 135,000 | 26,600 |

# MATT BERRY MINES LIMITED

*Balance Sheet as at November 30, 1969*

## ASSETS

| | | |
|---|---|---|
| **Current Assets** | | |
| Cash | $ 28,011.78 | |
| Accrued interest | 23.97 | |
| Accounts receivable and advances | 16,651.20 | |
| Short term investments | 25,000.00 | $ 69,686.95 |
| **Mining Properties** | | |
| 750,000 shares | $ 75,000.00 | |
| Cash | 4,245.00 | 79,245.00 |
| **Fixed Assets** | | |
| Equipment | | 4,300.00 |
| **Deferred Expenditures** | | |
| Exploration | $228,486.66 | |
| Administration | 57,897.47 | |
| Organization expense | 5,207.71 | 291,591.84 |
| | | $444,823.79 |

## LIABILITIES

| | |
|---|---|
| **Current Liabilities** | |
| Accounts payable and accrued liabilities | $ 11,023.79 |

## SHAREHOLDERS' EQUITY

**Capital Stock**

Authorized: 5,000,000 shares of $1.00 each

Issued and fully paid:

| | Shares | Capital | Premium | Net | |
|---|---|---|---|---|---|
| Claims | 750,000 | $ 750,000.00 | $ 675,000.00 | $ 75,000.00 | |
| Cash | 761,005 | 761,005.00 | 548,250.00 | 212,755.00 | |
| Services | 50,500 | 50,500.00 | 37,875.00 | 12,625.00 | |
| Liabilities assumed | 161,400 | 161,400.00 | 112,980.00 | 48,420.00 | |
| | 1,722,905 | $ 1,722,905.00 | $ 1,374,105.00 | $348,800.00 | |
| **Contributed Surplus** | | | | 85,000.00 | 433,800.00 |
| | | | | | $444,823.79 |

The Company issued 300,000 shares of capital stock for $90,000.00 cash pursuant to a prospectus dated November 3, 1969. The Company also issued 15,00 shares of Capital stock for $4,500.00 cash pursuant to a management share option exercised in November 1969.

# MATT BERRY MINES LIMITED

## *Administration Expenditures*

| | |
|---|---|
| Office salaries | $ 1,139.29 |
| Head office services | 4,500.00 |
| Office supplies and expense | 590.47 |
| Telephone and telex | 1,749.54 |
| Licences, fees and taxes | 388.38 |
| Bank charges | 17.19 |
| Travel | 821.67 |
| Sundry expense | (3.38) |
| Legal and audit fees | 3,052.60 |
| Director's fees | 200.00 |
| Transfer Agency fees | 1,136.88 |
| Shareholders reports | 2,225.78 |
| Stationery and printing | 317.52 |
| Advertising | 210.00 |
| Insurance | 22.90 |
| | $16,368.84 |
| Interest earned | (60.96) |
| | $16,307.88 |
| Balance March 31, 1969 | 41,589.59 |
| Balance Nov. 30th, 1969 | $57,897.47 |

## *Short Term Investments*

**Toronto-Dominion Bank:**

Deposit receipt dated Nov. 26th, 1969 due December 29th, 1969 interest @ 7% .. $25,000.00

Approved on behalf of the Board —

L. F. LaPRAIRIE — Director

H. T. HURLEY — Director

# MATT BERRY MINES LIMITED

## *Exploration Expenditures*

| | Balance June 30/69 | July 1/69 to Nov. 30/69 Expenditures | Balance Nov. 30/69 |
|---|---|---|---|
| Engineer's fees and services | $ 21,315.30 | $ (47.50) | $ 21,267.80 |
| Wages | 29,529.27 | 4,769.60 | 34,298.87 |
| Supplies | 16,670.71 | 988.49 | 17,659.20 |
| Travel | 31,446.82 | 2,174.90 | 33,621.72 |
| Equipment rental | 9,119.80 | 3,180.00 | 12,299.80 |
| Sampling and assaying | 5,273.32 | — | 5,273.32 |
| Diamond drilling | 58,353.40 | 11,381.64 | 69,735.04 |
| Camp buildings and equipment | 2,261.03 | 21.69 | 2,282.72 |
| Board and lodging | 552.49 | 363.50 | 915.99 |
| Licences, fees and taxes | 2,239.50 | — | 2,239.50 |
| Engineer's supplies and expense | 990.83 | 202.09 | 1,192.92 |
| Insurance | 448.05 | — | 448.05 |
| Freight and haulage | 15,471.87 | 3,570.18 | 19,042.05 |
| Telephone | 882.44 | (117.15) | 765.29 |
| Contract line-cutting | 3,634.00 | — | 3,634.00 |
| Geophysical surveys | 1,509.00 | 1,100.00 | 2,609.00 |
| Sundry expense | 853.89 | 347.50 | 1,201.39 |
| | $200,551.72 | $ 27,934.94 | $228,486.66 |

PRELIMINARY SERIES

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

105 H

## LEGEND

**CENOZOIC**

QUATERNARY

16 — Unconsolidated glacial and alluvial deposits

**MESOZOIC**

CRETACEOUS (?)

15 — Fine- to medium-grained biotite-quartz monzonite, granodiorite, minor diorite and gneiss; 15a, fine- and medium-grained biotite hornblende quartz monzonite and granodiorite, in part porphyritic; 15b, hornblende syenite

**PALAEOZOIC**

DEVONIAN AND (?) MISSISSIPPIAN

13 — Brown and black shale, black and grey chert, quartzite, greywacke, chert-pebble conglomerate; 13a, fine-grained light grey limestone and minor dolomite; 13b, greenstone; 13c, serpentinite

14 — Rusty brown weathering fine-grained schistose and spotted biotite hornfels, fine-grained quartzite, black pyritic argillite, dense light green to grey calc-silicate hornfels and fine-grained marble; minor slate, silty limestone and greywacke; 14a, light grey thin-bedded fine-grained marble and calc-silicate hornfels. May include some 1 and 2

SILURIAN AND DEVONIAN (?)

12 — Fine-grained light to dark grey dolomite and quartzite; minor buff-grey dolomitic quartzite and silty to sandy dolomite

ORDOVICIAN AND SILURIAN

11 — Black shale, slate; minor chert, siltstone, dark limestone

CAMBRIAN

MIDDLE AND LATE CAMBRIAN

9 — Light grey and brownish grey weathering, intercalated platy argillaceous silty limestone, siltstone, and fine-grained grey limestone

10 — Dark grey and brown silty shale and finely laminated siltstone, dark grey slate, thin-bedded brown-grey fine-grained sandstone; minor hornfels

EARLY AND/OR MIDDLE CAMBRIAN

7 — Buff-weathering dolomite, silty and sandy dolomite; minor sandstone and shale

6 — Bright yellow and orange-weathering silty and sandy dolomite

8 — Dark brown-grey to black, in part pyritic, calcareous argillite, slate, shale, and minor thin-bedded argillaceous limestone

EARLY CAMBRIAN

5 — Sandstone, buff-weathering sandy and silty dolomite, dolomite, minor quartzite and argillaceous limestone; basic volcanic flows

4 — 'Swiss-cheese' limestone, irregular interbanded dolomitic siltstone and argillaceous to silty limestone; pods and lenses of limestone; minor blue-grey fine-grained limestone and orange-weathering dolomite

CAMBRIAN AND/OR EARLIER

3 — Brown to red-brown weathering slate, phyllite, siltstone and fine-grained quartzite; 3a, green-grey slate and phyllite

**PROTEROZOIC**

1 — Brown, grey, maroon and green shale; grey to green slate and phyllite, gritty feldspathic quartzite, quartz- and feldspar-pebble conglomerate, sandstone; 1a, minor limestone; 1b, light grey weathering, fine-grained grey limestone; 1c, mainly grey to green slate and phyllite; 1d, maroon and green shale and slate; 1e, mainly brown and grey shale and slate, minor maroon and green shale. 1d and 1e are probably equivalent and perhaps correlative with 1c

2 — Quartz-feldspar-mica gneiss and schist, granitoid gneiss, feldspathic and micaceous quartzite, biotite schist, minor marble and skarn; numerous small granitic bodies, aplite and pegmatite; 2a, fine- to coarse-grained marble

A — Highly altered, green to brown, megacrystic, coarse-grained biotite-quartz monzonite or granodiorite. Age uncertain

Geological boundary (defined, approximate or assumed)
Bedding (inclined, vertical)
Foliation (horizontal, inclined, vertical)
Lineation (horizontal, inclined)
Fault (defined, approximate)
Anticline (defined, approximate, arrow indicates plunge)
Syncline (defined, approximate, overturned)
Fossil locality — F
Mineral occurrence or prospect (tungsten, W; copper, Cu; zinc, Zn) — ×W
Areas of mineral prospects (zinc, Zn; lead, Pb; copper, Cu; silver, Ag) — Zn,Pb
Hot spring — H.S.
Glacier — GI

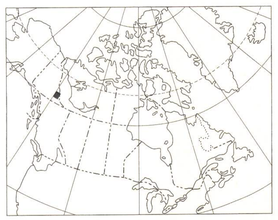
Geology by E. F. Roots, 1953; L. H. Green and J. A. Roddick, 1960
S. L. Blusson, 1962 and 1965

Geological cartography by the Geological Survey of Canada, 1966

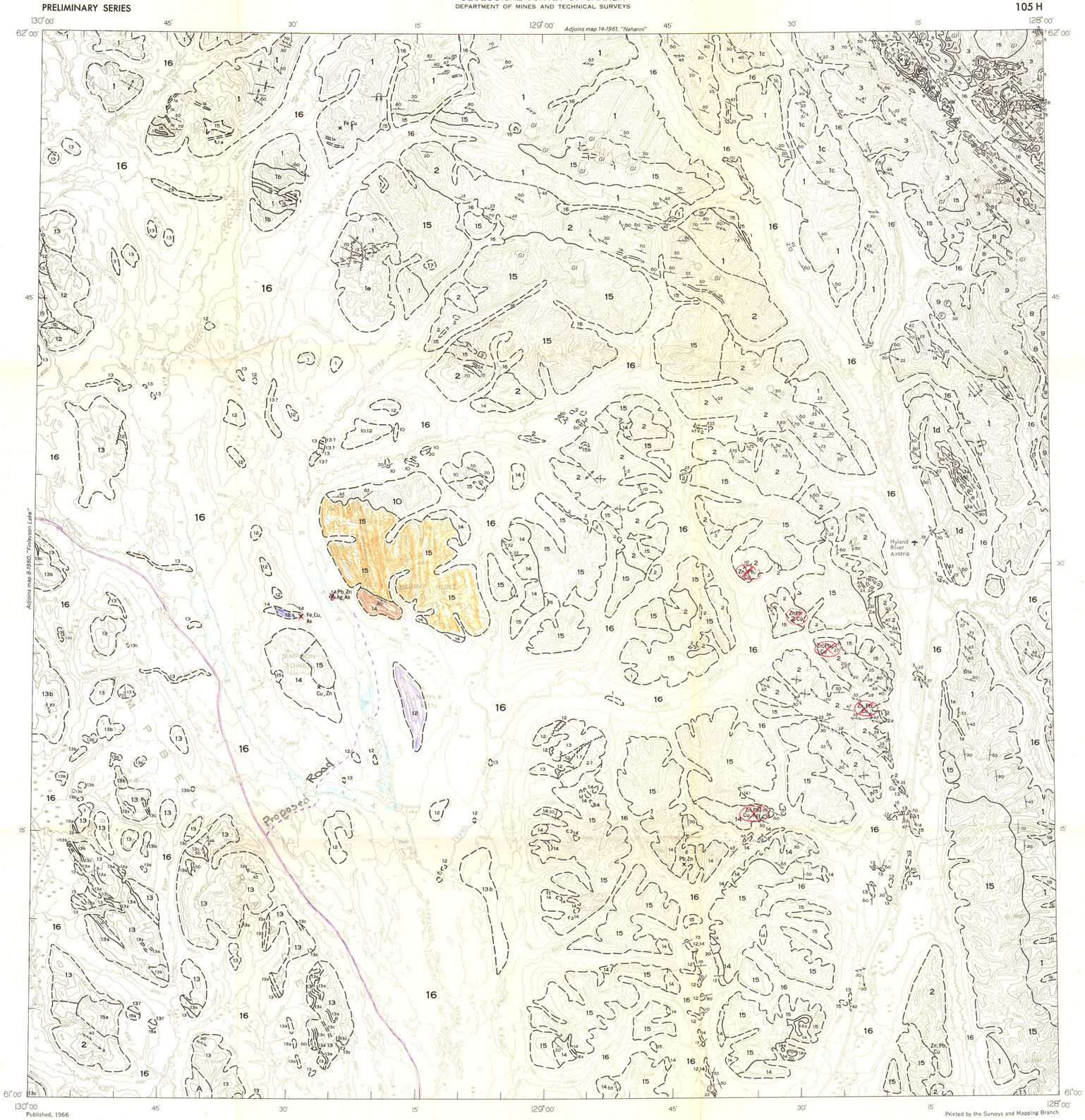
Road, all weather
Airstrip
Mine
Horizontal control point
Provincial boundary
Intermittent stream
Marsh
Contours (interval 500 feet)
Height in feet above mean sea-level — 6165

Base-map compiled and drawn by the Army Survey Establishment, RCE, 1949-1952

Mean magnetic declination 33° 24' East, decreasing 5.3' annually.
Readings vary from 32° 42' in the SW corner to 34° 06' in the NE corner of the map-area



INDEX MAP




Published, 1966

Copies of this map may be obtained from the Director, Geological Survey of Canada, Ottawa

Printed by the Surveys and Mapping Branch

MAP 6-1966

GEOLOGY

# FRANCES LAKE

YUKON TERRITORY AND DISTRICT OF MACKENZIE

Scale 1:253,440
1 inch to 4 miles

Miles 4 0 4 8 12 Miles
Kilometres 6 0 6 12 18 Kilometres

inches 0 1 2
0 1 2 3 4 5 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

## DESCRIPTIVE NOTES

Access is provided by well maintained gravel roads linking Watson Lake on the Alaska Highway, Ross River on the Canol Road, and the Canada Tungsten mining community near the headwaters of Flat River.

An ice-sheet covered all but the highest peaks at least once during the Pleistocene Epoch, leaving erratics at elevations greater than 6,600 feet. Little evidence of direction of ice movement remains in the upland areas, but forms of drumlinoid ridges indicate that ensuing valley glaciers flowed southward down the major drainage systems.

Unit 1 comprises two main divisions with a combined thickness probably well in excess of 10,000 feet. A lower division is characterized by granule-pebble conglomerate and gritty quartzite and an upper one, at least 1,500 feet thick, is composed almost entirely of shale. The upper division is represented by map-unit 1d east of Hyland River and probably by units 1c and 1e, but owing to complex structure has not been separated elsewhere from unit 1.

Unit 3 contains appreciable siltstone and fine-grained quartzite near Flat River. Southwestward it changes progressively to shale and phyllite that may be correlative in part with uppermost strata of unit 1. A minimum thickness of 10,000 feet is estimated in the coarser grained facies northeast of Flat River. The base of unit 3 is ill-defined in the shaly facies near Little Hyland River and some basal strata may be included within 1c. Unit 3a is tentatively correlated with unit 3 on the basis of lithologic similarity, but may be older.

Unit 4, informally termed the 'Swiss-cheese limestone', forms a distinctive and persistent marker 100 to 200 feet thick above unit 3. It is characterized by recessively weathering oval-shaped pods and lenses of limestone in a more resistant siltstone matrix.

Units 5 and 7 total a minimum of 4,000 feet in thickness northeast of Flat River where they are separated by a thin but conspicuous bright orange weathering dolomite unit (6). They comprise various mixtures of dolomite, sandstone, siltstone, minor limestone and shale. Individual members and beds lense out or interfinger abruptly and diastems appear to be numerous. Basic volcanic flows and tuffaceous beds occur in the upper part of unit 5. An abrupt change in facies occurs westerly across Flat River where at least the lower part of this carbonate section (5), (6), and (7) changes to calcareous shale and argillite of unit 8. A discontinuous limestone member, about 100 feet thick, at the base of unit 8 is the host rock for the principal tungsten deposits at and near the Canada Tungsten mine. It gradually lenses out about 2½ miles northwest and 4 miles southeast of the mine. Apparent thinning or absence of unit 3 or equivalent strata northeast of Hyland River airstrip is believed due to an unconformity at the base of unit 8.

Intercalated siltstone and limestone of unit 9 characteristically occurs in wavy, undulatory or anastomosing bands, which on weathering impart a very rough pitted surface. An important regional unconformity at the base of this unit in places sharply bevels Lower Cambrian and older strata. Unit 9 is at least 4,000 feet thick near the Yukon - Northwest Territories boundary, but is itself bevelled by an unconformity beneath unit 11, so that apparently its thickness varies markedly. Exposures of unit 11 are limited to stream cuts along Flat River valley where it overlies unit 9 unconformably. Graptolites collected from the lowermost 500 feet are Upper Ordovician, but as the overlying part of unit 11 is much thicker, it may be in part of Silurian age.

Units 10 and 12 are lithologically correlated with strata previously mapped in adjacent regions.

Unmetamorphosed, predominantly pelitic, strata (13) are believed correlative with Devono-Mississippian rocks in adjacent regions. Characteristic are chert-pebble conglomerate, varicoloured chert, and black quartz-bearing greywacke and gritty quartzite. In the Campbell Range unit 13 includes numerous small bodies of greenstone, many intrusive, but most of the greenstone, mapped as 13b, appears to be volcanic and probably overlies or occurs within the upper part of unit 13. Serpentinite (13c) is thought to be an integral part of the Devono-Mississippian assemblage. A profound angular unconformity occurs at the base of this sequence.

Unit 14 comprises mainly hornfelsed pelitic rocks whose age and correlation are in doubt. Overall lithologic character, lack of regional metamorphism in rocks near the gneissic belt (2) and one collection of Middle or Upper Devonian fossils (near the south boundary at 128° 40'W) suggest that probably most, if not all, of this unit is correlative with Devono-Mississippian strata of unit 13.

Granitic rocks (15) generally have sharply defined contacts, but in the schist-gneiss belt (2) they are commonly bordered by complex zones as much as ¼ mile wide in which massive plutonic rock is interspersed with lit-par-lit migmatites and partly granitized inclusions. There mapped boundaries are largely arbitrary, based on proportion of intrusive to host rocks.

Outside the complexly deformed central crystalline terrain, regional structures trend northwest except in the northern part of the map-area where they become westerly. Regional metamorphism appears unrelated to Cretaceous (?) granitic intrusion and probably predates the Devono-Mississippian strata. These strata overlie schist and gneiss of unit 1 unconformably and are essentially non-schistose. Northwest-trending regional folds near Flat River, which may be related to tectonism in the central belt, are post Late Ordovician, as they involve rocks of this age and older. These folds clearly predate and are modified by intrusion of granitic rocks.

Sphalerite with minor amounts of galena, pyrrhotite and chalcopyrite occur in silicated calcareous members in several localities throughout the schist-gneiss terrain (2) and in hornfelses that may be equivalent to unit 13. Pyrrhotite with some chalcopyrite was noted in black slate and argillite of unit 13, west of Hyland River road at mile 53. Scheelite is reported in the north-central part of the map-area near 61° 48' in contact zones with calcareous beds of unit 1.

A high-grade tungsten deposit on Flat River is presently being mined by Canada Tungsten Mining Corporation. Scheelite, with pyrrhotite and minor amounts of chalcopyrite occurs with skarn minerals in massive Lower Cambrian limestone. The deposit is several hundred feet from nearest exposed granitic rocks, but within a zone of moderate to high-grade contact metamorphism.

MAP 6-1966
FRANCES LAKE
YUKON TERRITORY AND
DISTRICT OF MACKENZIE
105 H

10,000E

10,200E

10,400E

10,600E

10,800E

11,000E

11,200E

11,400E

11,400N

11,200N

11,000N

10,800N

10,600N

10,400N

BASE LINE @ 800 N

BASE LINE @ 400 N

inches

0 1

0 1 2

centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

KEY

SCALE IN FEET

MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY YT

DRAWN

TRACED

CHECKED

DATE - NOV 1969

SCALE

9,800 E
10,000 E
10,200 E
10,400 E
10,600 E
10,800 E
11,000 E
11,200 E

10,400 N
10,200 N
10,000 N
9,800 N

BASE LINE 400 N

BASE LINE 0 (S66°E)

THOMPSON CREEK

415500 TONS

SILVER LEAD ZINC
ANTIMONY
CADMIUM

KEY

SCALE IN FEET

inches
0 1
0 1 2
centimetres

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YUKON GEOLOGICAL SURVEY

DRAWN W.D.S.
TRACED
CHECKED

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.

SURFACE DRILL PLAN

DATE MAY, 69
SCALE

0+00

West background 79 East background 39

22+00E

BASE LINE

44+00E

FRANCES LAKE

N

## LEGEND

Above 100 ppm Zn

Above background

NOTE: Background east of 20+00 is 39, west of 20+00 is 79, average is 60.

# MATT BERRY MINES LTD

## WATSON LAKE, AREA, Y.T.

## GEOCHEMICAL ANOMALIES FROM SOIL SAMPLES - Zn (p.p.m.)

AUG. 20, 1968

200 0 200 400 600

FEET

inches 0 1

0 1 2 centimetres

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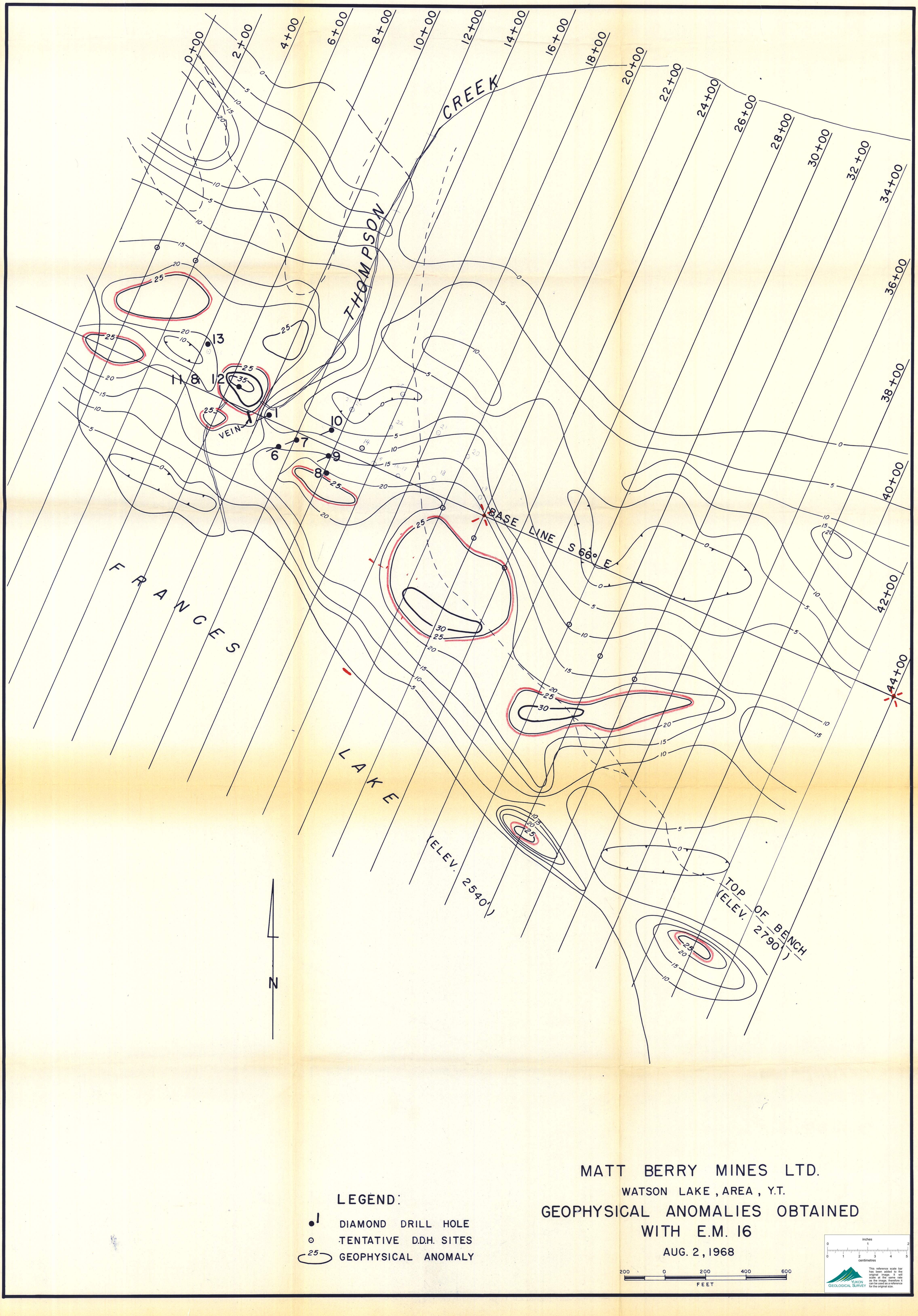
YUKON GEOLOGICAL SURVEY


0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+00
20+00
22+00
24+00
26+00
28+00
30+00
32+00
34+00
36+00
38+00
40+00
42+00
44+00
CREEK
THOMPSON
FRANCES
LAKE
(ELEV. 2540')
BASE LINE S 66° E
VEIN
13
11 & 12
1
10
7
6
9
8
TOP OF BENCH
(ELEV. 2790')
N
LEGEND:
DIAMOND DRILL HOLE
TENTATIVE D.D.H. SITES
25 GEOPHYSICAL ANOMALY
MATT BERRY MINES LTD.
WATSON LAKE, AREA, Y.T.
GEOPHYSICAL ANOMALIES OBTAINED WITH E.M. 16
AUG. 2, 1968
200 0 200 400 600
FEET
inches
centimetres
YUKON GEOLOGICAL SURVEY
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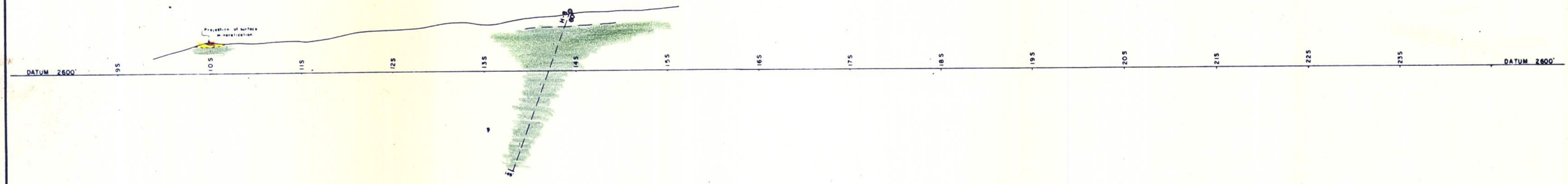


LEGEND

Phyllitic Slate

2 Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

inches
0 1
0 1 2
centimetres

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Yukon Geological Survey

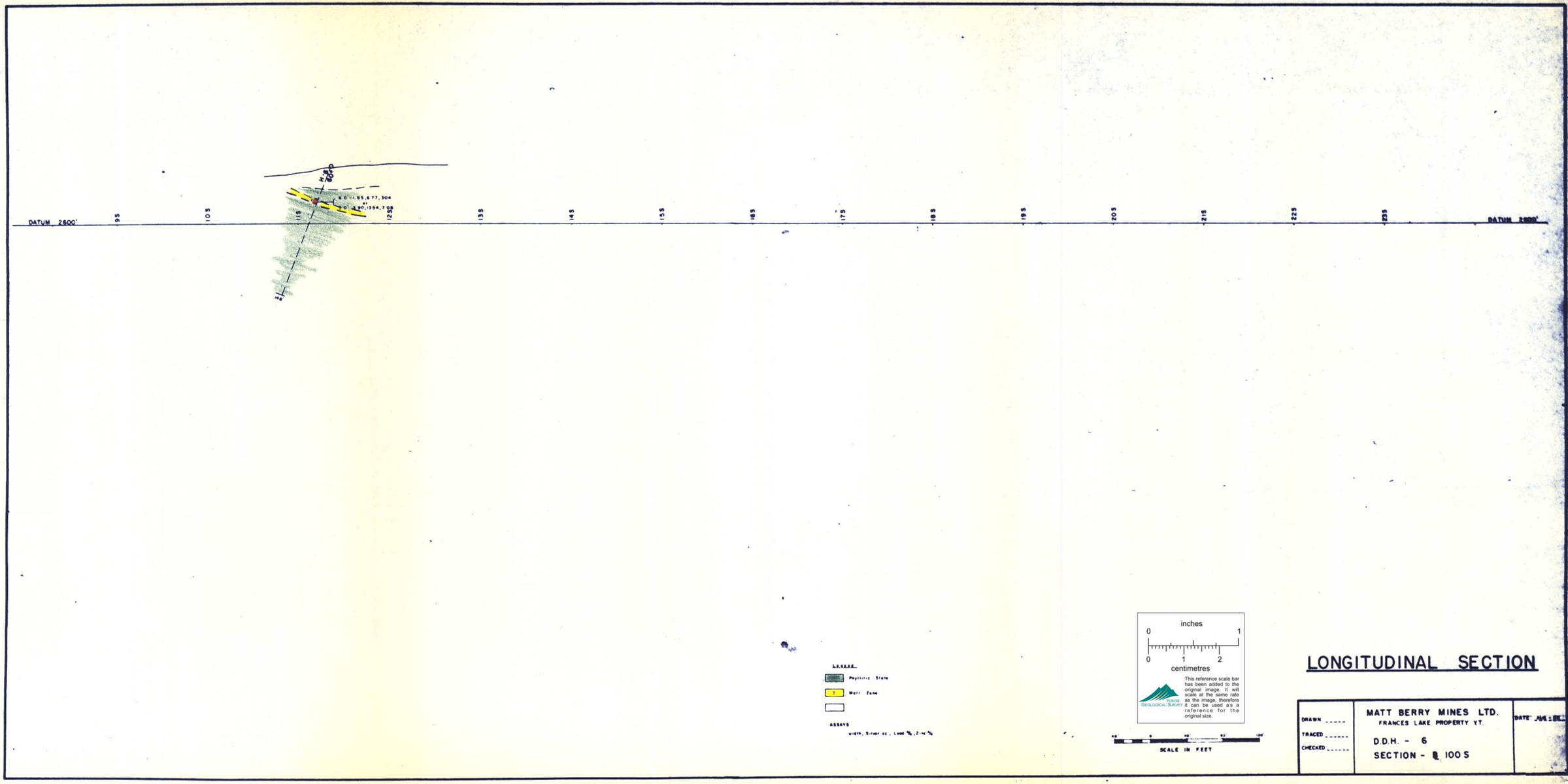
SCALE IN FEET

# LONGITUDINAL SECTION

DRAWN _____
TRACED _____
CHECKED _____

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.
D.D.H. - 8
SECTION - @ 150S

DATE AUG. 60



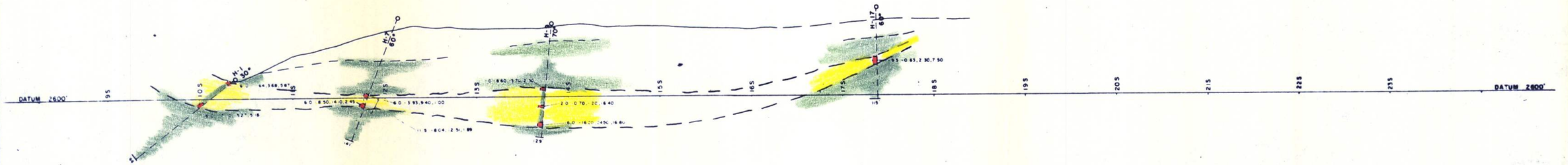

# LONGITUDINAL SECTION

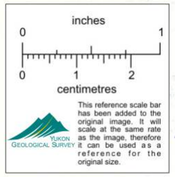
DRAWN _____
TRACED _____
CHECKED _____

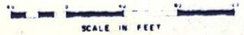
MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY Y.T.

D.D.H. - 6
SECTION - ℄ 100 S

DATE: [illegible]





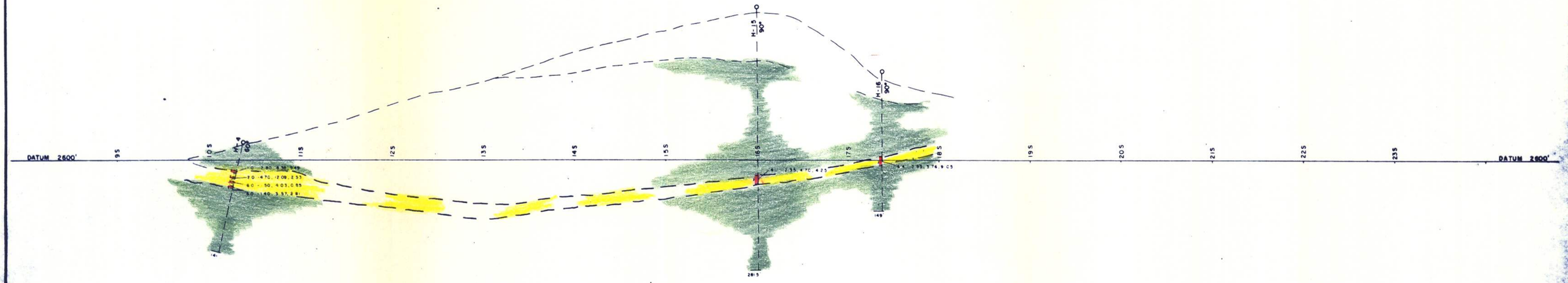

# LONGITUDINAL SECTION

DRAWN .....
TRACED .....
CHECKED .....

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY YT

DDH - 1, 7, 9 & 17
SECTION - @ 50 S

DATE .....




LEGEND

Pegmatite Dyke

Matt Zone

ASSAYS

width, % oxide $Nb_2O_5$/$Ta_2O_5$ %

inches

0 1

0 1 2

centimetres

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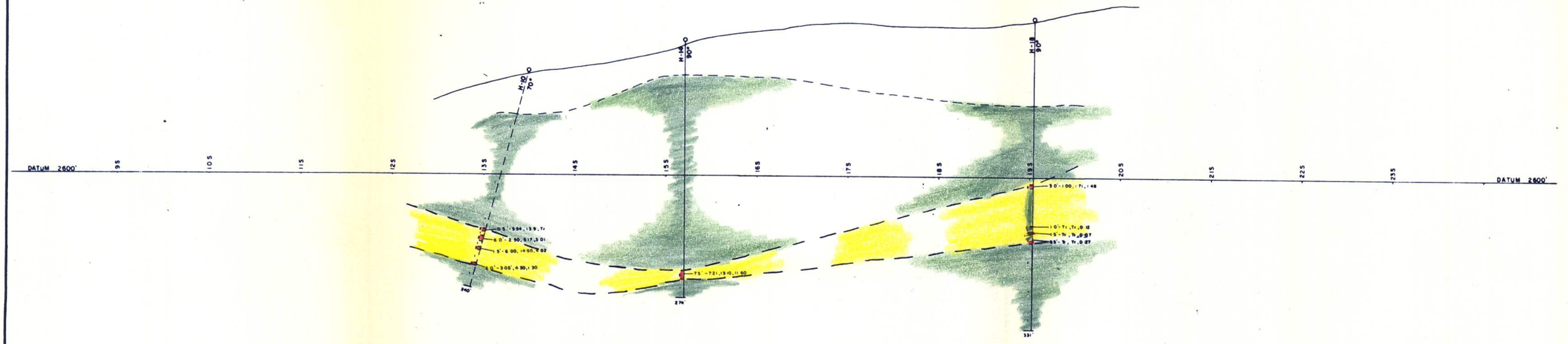
YUKON GEOLOGICAL SURVEY

SCALE IN FEET

# LONGITUDINAL SECTION

| | | |
|---|---|---|
| DRAWN | MATT BERRY MINES LTD. | DATE AUG-69 |
| TRACED | FRANCES LAKE PROPERTY YT. | |
| CHECKED | D.D.H. - 4, 15 & 16 | |
| | SECTION - L O | |




Legend

Phyllitic Slate

Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

inches

0 1

0 1 2

centimetres

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YUKON GEOLOGICAL SURVEY

SCALE IN FEET

# LONGITUDINAL SECTION

DRAWN

TRACED

CHECKED

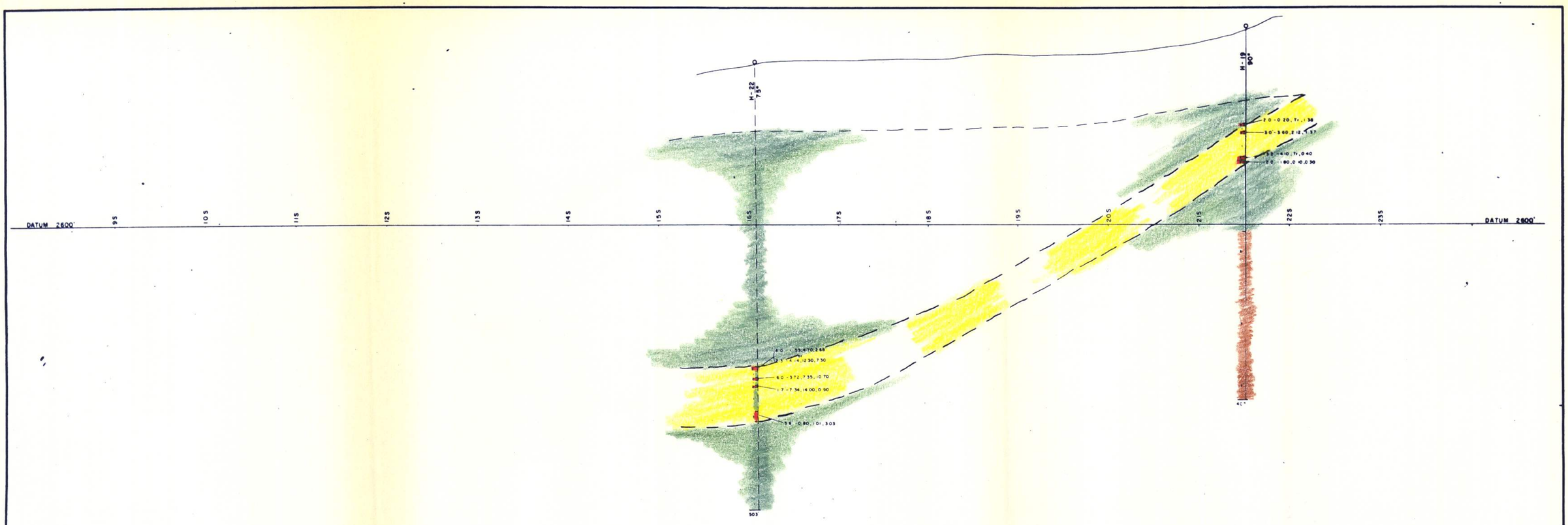
MATT BERRY MINES LTD.

FRANCES LAKE PROPERTY YT

D.D.H. - 10, 14 & 18

SECTION - @ 50N

DATE A/C 69

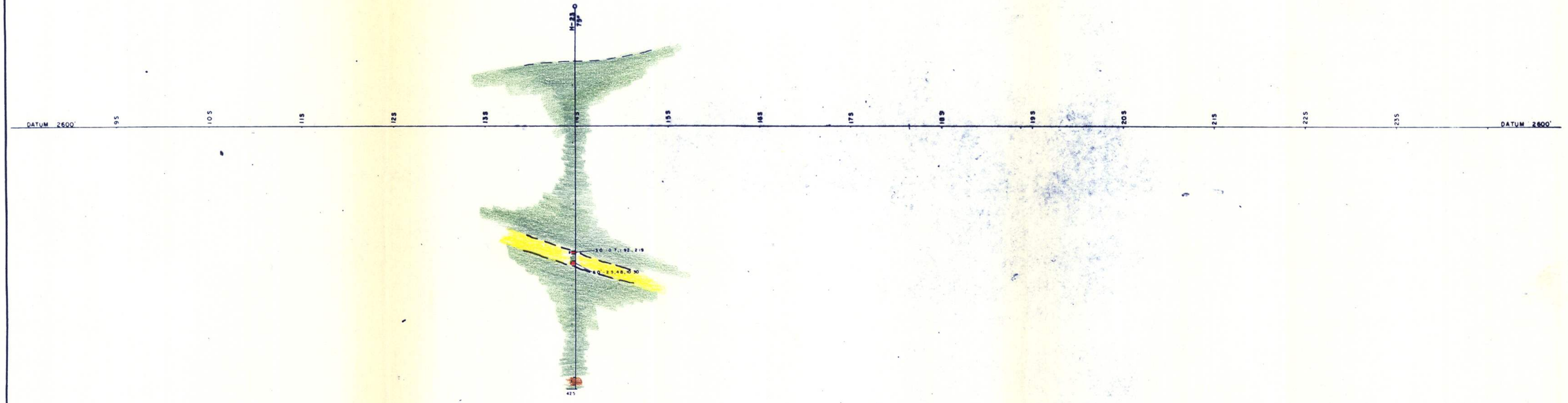



# LONGITUDINAL SECTION

DRAWN _____
TRACED _____
CHECKED _____

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY YT
D.D.H. - 19 & 2
SECTION - @ 100

DATE 4.6.89




LEGEND

Phyllitic Slate

Marl Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

inches
0 1
0 1 2
centimetres

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YUKON GEOLOGICAL SURVEY

SCALE IN FEET

# LONGITUDINAL SECTION

DRAWN

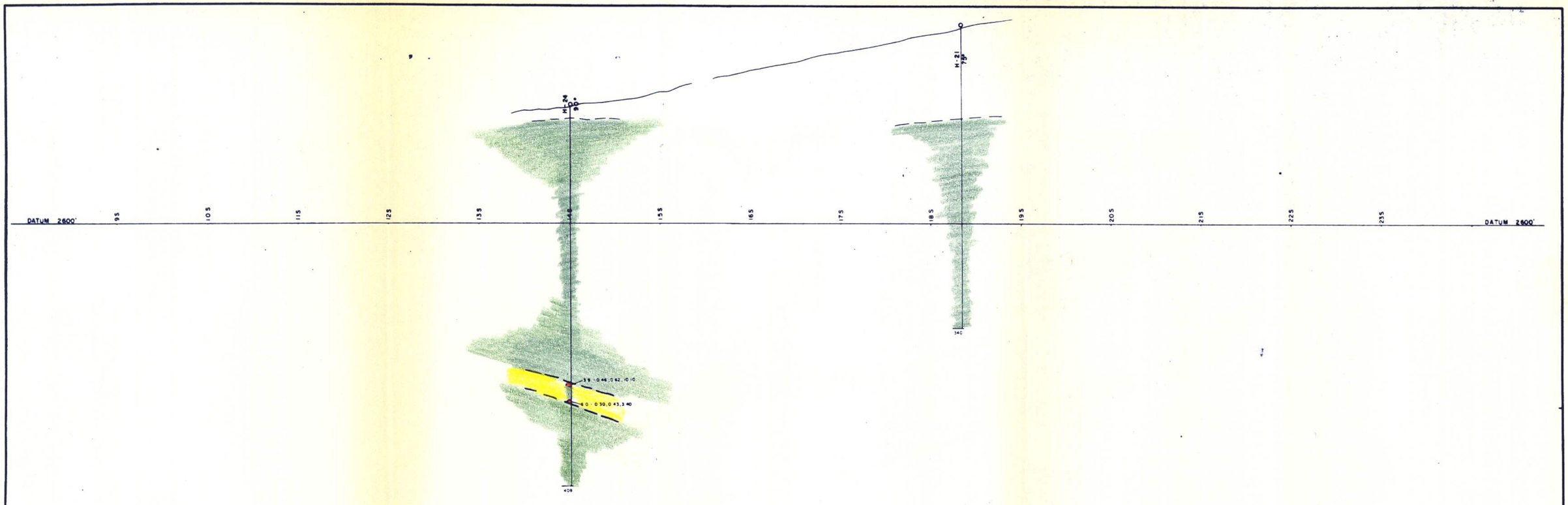
TRACED

CHECKED

MATT BERRY MINES LTD
FRANCES LAKE PROPERTY YT

DDH - 23
SECTION - @ 150N

DATE AUG. 69




LEGEND

Pegmatitic Stone

Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

inches
0 1
0 1 2
centimetres

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YUKON GEOLOGICAL SURVEY

SCALE IN FEET

# LONGITUDINAL SECTION

DRAWN

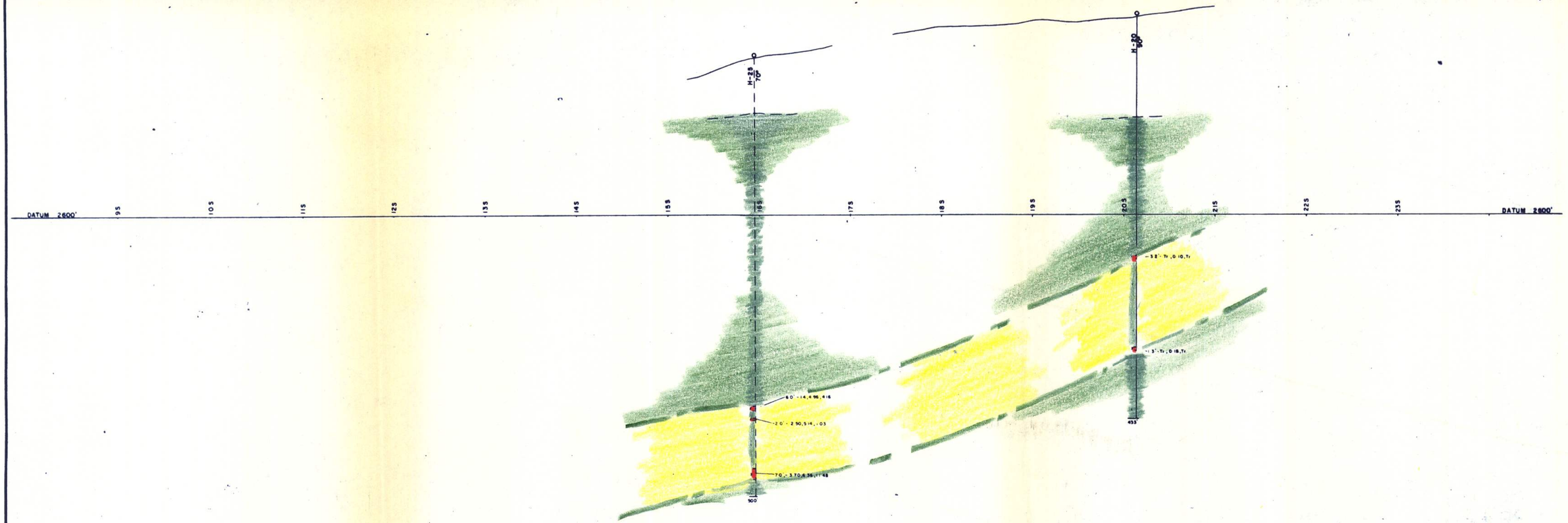
TRACED

CHECKED

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY YT

DDH - 21 & 24
SECTION - @ 200 N

DATE




LEGEND

Phyllitic Slate

Matt Zone

ASSAYS

width, Silver oz., Lead %, Zinc %

inches

0 1

0 1 2

centimetres

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YUKON GEOLOGICAL SURVEY

SCALE IN FEET

# LONGITUDINAL SECTION

DRAWN

TRACED

CHECKED

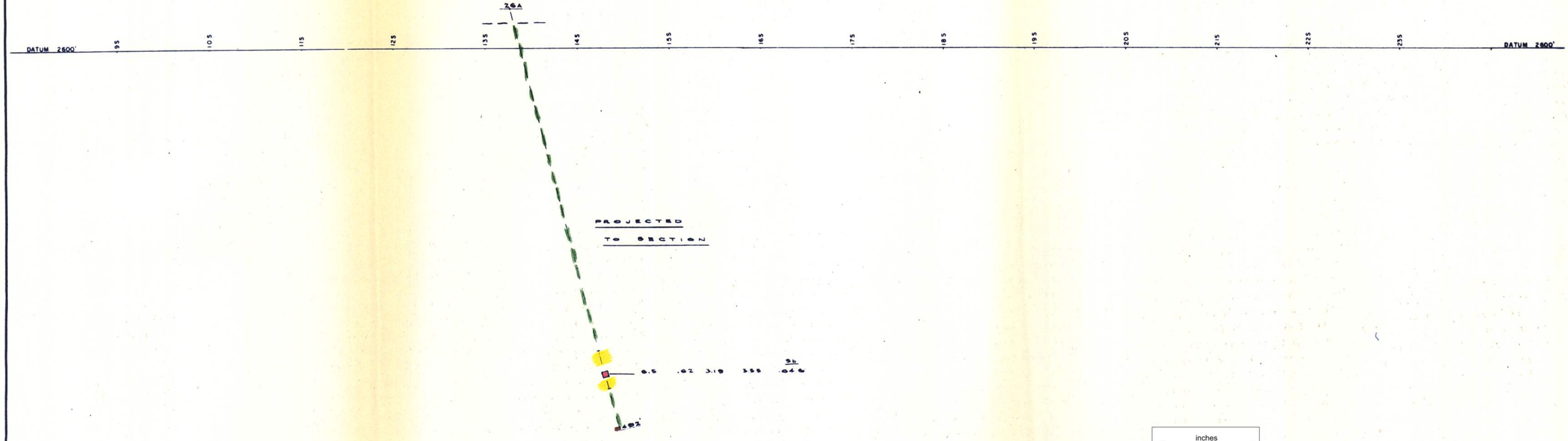
MATT BERRY MINES LTD.

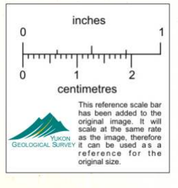
FRANCES LAKE PROPERTY Y.T.

D.D.H. - 20 & 25

SECTION - @ 250 N

DATE AUG. 69



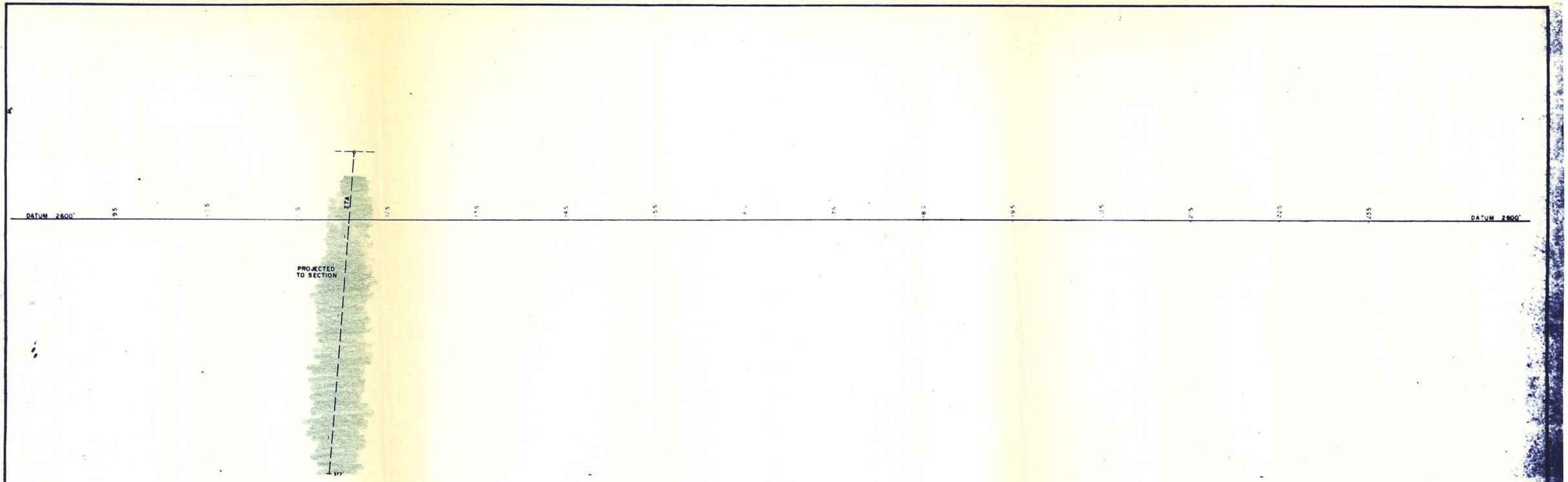

SCALE IN FEET

# LONGITUDINAL SECTION

DRAWN .....
TRACED .....
CHECKED .....

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY YT
DDH. - 26A
SECTION - 300 N

DATE 1/9/70




KEY

1 Physiotic Stage

2 Matt Zone

3 Tan Quartz Mica Schist

ASSAYS

Pb-Zn, Silver oz., Lead % Zinc %

inches
0 1
0 1 2
centimetres

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YUKON GEOLOGICAL SURVEY

SCALE IN FEET

# LONGITUDINAL SECTION

DRAWN

TRACED

CHECKED

MATT BERRY MINES LTD.
FRANCES LAKE PROPERTY YT

DDH - 27A
SECTION - Base Line + 6 N

DATE