

63.3668



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705 752 1123



52C15SE0424 63.3668 LITTLE TURTLE LAKE

A-26

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THE OLIVE MINES PROPERTY

Property and Location

Six contiguous claims were staked in 1979 by ED-VII Explorations Ltd. of Fort Frances Ont. Claim numbers are 475186, 475190, 475191, 475192, 475193 and 475200. The claims are located approximately 4 miles west of MINE CENTRE on the CNR railway line. The attached photostat Fig.1 shows the relationship of the claims block to roads and railroads etc.

Mine Centre is approximately 35 miles east of Fort Frances, Ontario.

Access

Approximately 4 miles west of Mine Centre on Hwy 11 a small bush road runs north to the railroad. The last 1/2 mile must be travelled on foot because of a collapsed bridge across a small creek.

History

The mine has a colorful and old history. Two veins were found in 1896 by Mr. Preston: the main vein being traced for 4 miles and striking N33 E. The second running parallel and about 25 feet to the north. The country rock is dioritic and the veins lie within a schistose zone referred to as slate in old reports or green schist, schist, dike matter, and calcaneous quartzite.

The latter description is probably the most correct and can be found in the gold deposits of

Monora and Rainy River T.D.M.1925 page 29. See Fig 2 and Fig 3.

The gold bearing quartz veins are parallel to the schistosity of the volcanic chemical deposit and contain high grade gold, indeed a recent sample ran 9.9 oz. Au/ton. The wallrock also contains gold a recent sample running 0.11 oz/ton. Location of these can be found on the attached map.

During production, which was very limited, 109 tons of vein material produced an average of \$44.00 per ton at \$16.50 gold/oz or 2.69 oz/ton. And This is also reported to be almost half slate (or wallrock).

In the 1930's production of gold amounted to 3572 oz. or 7,255 tons milled for a grade of 0.49 oz. Average width of vein was approximately two feet.

5 shafts have been sunk and three levels developed. Underground ore from these developments has all been extracted except for supporting pillars. Fig 4 shows a section through the 3 underground levels.

Underground drilling from the bottom level showed approximately 350 feet of schist material 132 feet to the north and 218 feet to the south. This 350' width has been referred to as low grade ore and in fact it was contemplated that all would be mined with larger milling facilities in the early 1900s.

However the mine was closed before this could be started.

From all the records examined these two drillholes and surface trenching are the only exploration work carried out on this property.

During my visit to the property in Oct.1979, I examined the trenching and immediate rock types. I am of the opinion that the laminated band of rock that is host to the quartz veins is indeed a volcanic chemical deposit at a time of quiescence.

At that time I recommended channel sampling cutting a grid for instrument work in order that the ore zone be traced under the overburden.

Surface trenching and bulldozing has been carried out together with limited grab sampling. See attached map.

Detailed review of all available literature leads me to suspect that the high grade ore left cannot be removed from underground and that it would be uneconomic to try.

However, the fact that a large low grade orebody could be present intrigues me. It is on the basis of large tonnage potential that further work should proceed.

Recommendations

1. Obtain at least 3 channel samples across the "schist".
2. Assay and determine grades. If they are of interest, then proceed to 3.
3. Establish a baseline EM across the property with grid lines cut N-S at 50 metre intervals. The baseline will be about 1300 metres in length and about 7200 metres of line will be required. Approximate cost will be in the order of \$4,000.00
4. Map existing outcrops.
5. Run a magnetometer survey to establish the "schist" boundaries.
6. Run a geochemical survey to establish the distribution of gold. Approximate cost of 4,5 and 6 \$7500.00
7. Diamond drilling of prospective orebodies. -45 Holes to 500 feet. 2500' Contract minimum approximately 140,000.
8. Sampling of core and evaluation of property. Approximately \$6,000.00
9. Quartzite is indicated approximately 400' north of No.2 shaft and approximately 400' south of the No.2 shaft on fig.2 which is a photostat of a Department of mine's publication. These areas should be checked for quartz veining and any veins sampled together with some wallrock. If gold is present, the quartzite should be sampled.

Discussion of Merit

It is clear from past production and the recent assays that high grade gold values are present on the property within the narrow quartz veins. Mining in the early days included wallrock unavoidably, and still production figures show a grade of almost 1 oz. to the ton. Mention has also been made that the drilling outlined low grade ore across great widths and ideas were put forward to mine and mill the the majority of the sheared and laminated quartzite which hosts the gold veins. Inadequate financing curtailed these operations. A distinct possibility exists that a large low grade orebody can be outlined here and work should be carried out as soon as possible.

Jan 30 1980.

P. A. R. Brown.



THUNDER BAY TESTING LIMITED

BALMORAL COMPLEX, BALMORAL AND SIBLEY DRIVE, THUNDER BAY, ONTARIO, P7B 5N3 • TELEPHONE 623-5278

ASSAY LABORATORY-CHEMISTS-GEOCHEMISTS

CERTIFICATE OF ANALYSIS

SAMPLES (S) FROM **Edvic Explorations Limited**
225 4th Street, West
Fort Frances, Ontario

RECEIVED **September 13, 1979**

LAB. NO. **79A955**

SAMPLES (S) OF **Rock**

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

ALL ASSAYS ARE BY ATOMIC ABSORPTION SPECTROSCOPY

CLIENT NO.	---	GOLD OZ/T	SILVER OZ/T	COPPER %	NICKEL %	ZINC %	---	---
H1	<i>alumi</i>	Nil	---	---	---	---	---	---
H2		Nil	---	---	---	---	---	---
T1		0.01	---	---	---	---	---	---
T-79-1		Nil	---	---	---	---	---	---
T-79-2		Nil	---	---	---	---	---	---
-----	---	---	---	---	---	---	---	---

Samples, pulps and rejects
discarded after one month.

THUNDER BAY TESTING LIMITED,

Dated September 18, 1979

Per *Robert Matthews*

Robert Matthews, B. Sc.,

SERVING NORTHWESTERN ONTARIO
Member of the Canadian Testing Association



THUNDER BAY TESTING LIMITED

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ASSAY LABORATORY-CHEMISTS-GEOCHEMISTS

CERTIFICATE OF ANALYSIS

SAMPLES (S) FROM Ed-Vic Explorations Limited
225 4th Street, West
FORT FRANCES, Ontario

RECEIVED October 29, 1979

LAB. NO. 79A979

SAMPLES (S) OF Rock *OLIVE MINE*

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

ALL ASSAYS ARE BY ATOMIC ABSORPTION SPECTROSCOPY

CLIENT NO.	---	GOLD OZ T	SILVER OZ T	COPPER %	NICKEL %	ZINC %	---	----
0-8-79	---	---	0.14	---	---	---	---	---
-----	---	---	-----	---	---	---	---	---

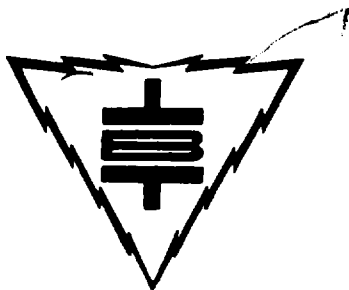
Samples, pulps and rejects discarded after one month.

THUNDER BAY TESTING LIMITED,

Dated November 16, 1979

Per *Robert Matthews*
Robert Matthews, B. Sc.,

SERVING NORTHWESTERN ONTARIO
Member of the Canadian Testing Association



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ASSAY LABORATORY-CHEMISTS-GEOCHEMISTS

CERTIFICATE OF ANALYSIS

SAMPLES (S) FROM **Ed-Vic Explorations Ltd.**
225 4th Street, West
FORT FRANCES, Ontario

RECEIVED **October 29, 1979**

LAB. NO. **79A979**

SAMPLES (S) OF **Rock OLIVE MINE**

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

ALL ASSAYS ARE BY ATOMIC ABSORPTION SPECTROSCOPY

CLIENT NO.	---	GOLD OZ T	SILVER OZ T	COPPER %	NICKEL %	ZINC %	---	---
0-7-79	---	0.11	---	---	---	---	---	---
0-8-79	---	4.38	---	---	---	---	---	---
0-9-79	---	0.036	---	---	---	---	---	---
0-10-79	---	1.65	---	---	---	---	---	---
-----	---	---	---	---	---	---	---	---

Samples, pulps and rejects discarded after one month.

THUNDER BAY TESTING LIMITED,

Dated November 2, 1979

Per Robert Matthews
Robert Matthews, B. Sc.,

SERVING NORTHWESTERN ONTARIO
Member of the Canadian Testing Association



THUNDER BAY TESTING LIMITED

BALMORAL COMPLEX, BALMORAL AND SIDLEY DRIVE, THUNDER BAY, ONTARIO, P7B 5N3 • TELEPHONE 633-5379

ASSAY LABORATORY-CHEMISTS-GEOCHEMISTS

CERTIFICATE OF ANALYSIS

SAMPLES (S) FROM **Edvic Explorations Limited**
225 4th Street, West
Fort Frances, Ontario
P9A 3B9

RECEIVED **September 25, 1979**

LAB. NO. **79A960**

SAMPLES (S) OF **Rock**

SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

ALL ASSAYS ARE BY ATOMIC ABSORPTION SPECTROSCOPY

CLIENT NO.	---	GOLD OZ T	SILVER OZ T	COPPER %	NICKEL %	ZINC %	---	---
0-1	---	0.11	---	---	---	---	---	---
0-2	---	0.013	---	---	---	---	---	---
0-3	---	2.18	---	---	---	---	---	---
0-4	---	4.45	---	---	---	---	---	---
0-5	---	9.90	---	---	---	---	---	---
---	---	-----	---	---	---	---	---	---
OLIVE MINE SAMPLES - MAIN VEIN + WALL ROCK.								

Samples, pulps and rejects discarded after analysis.

THUNDER BAY TESTING LIMITED,

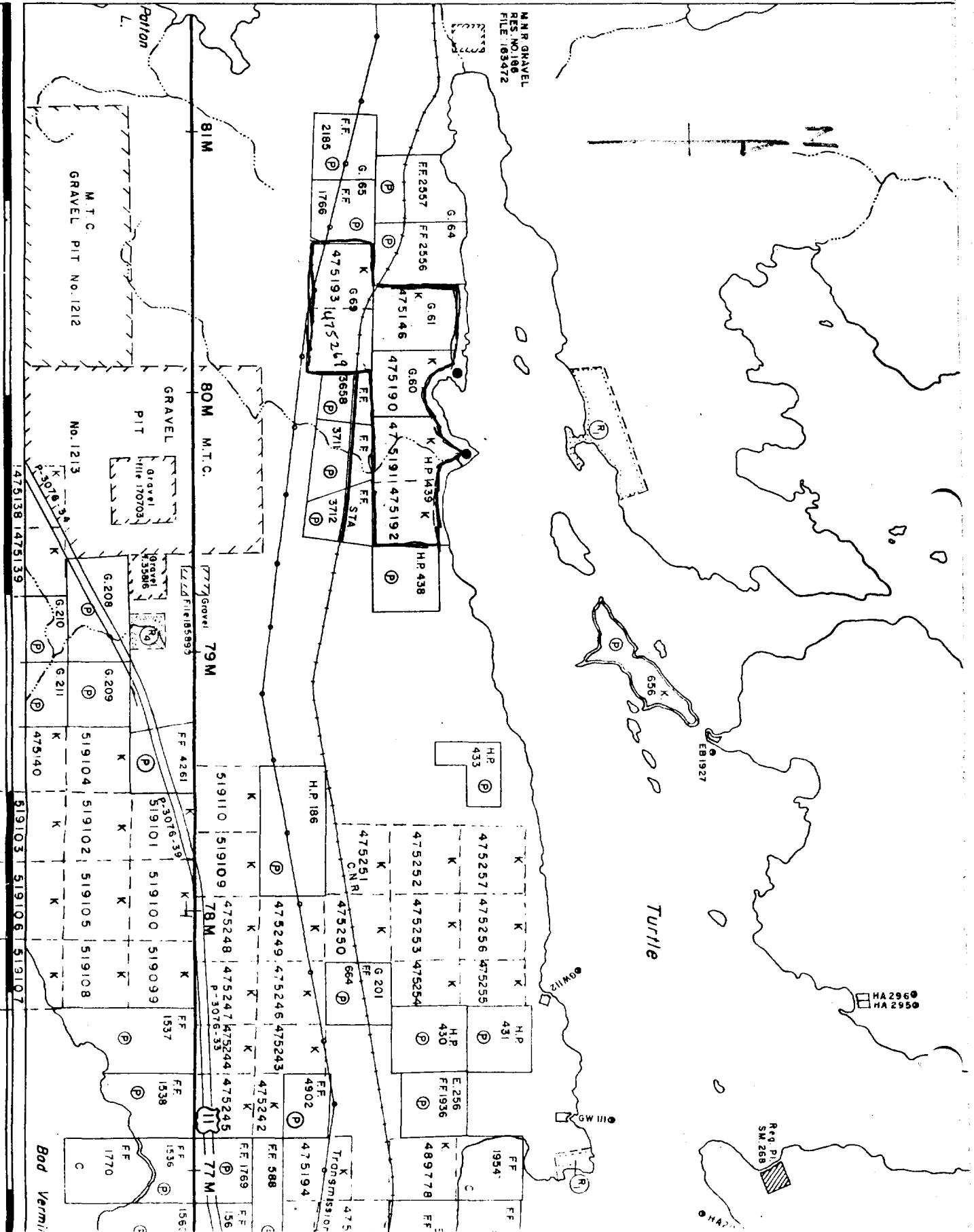
Dated October 1, 1979

Per Robert Matthews

Robert Matthews, B. Sc.,

SERVING NORTHWESTERN ONTARIO
Member of the Canadian Testing Association

MNR GRAVEL
RES. NO. 186
FILE: 183472



92'045'

44'

43'

42'

41'

40'

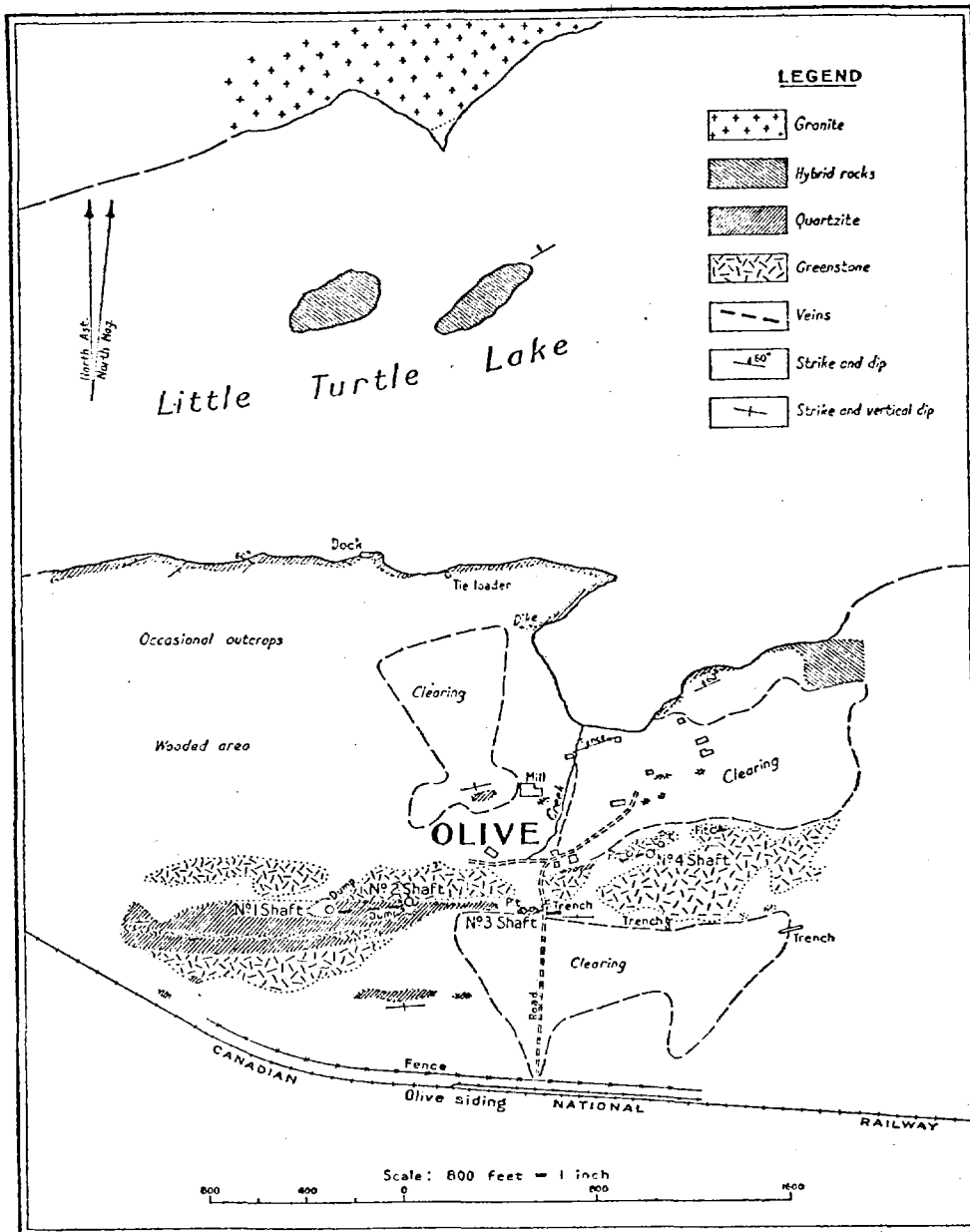
39'

SCALE 1 INCH = 1/2 MILE

FIG. 1.

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Insert to face page 28.



OLIVE GOLD MINE.

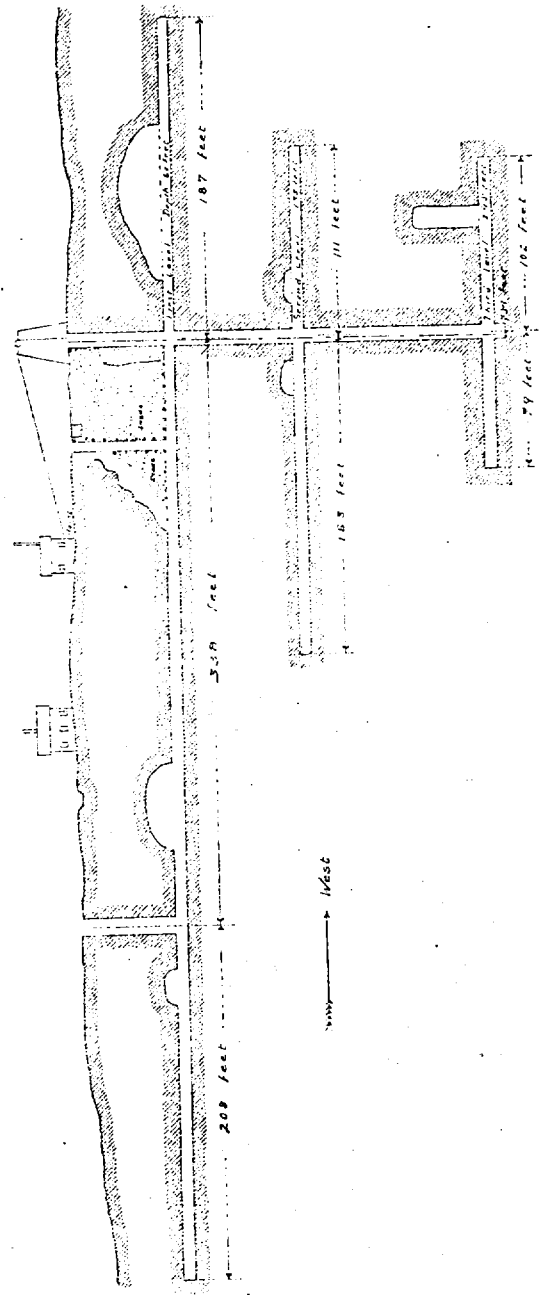
FIG 2.



Quartzite, Olive mine.

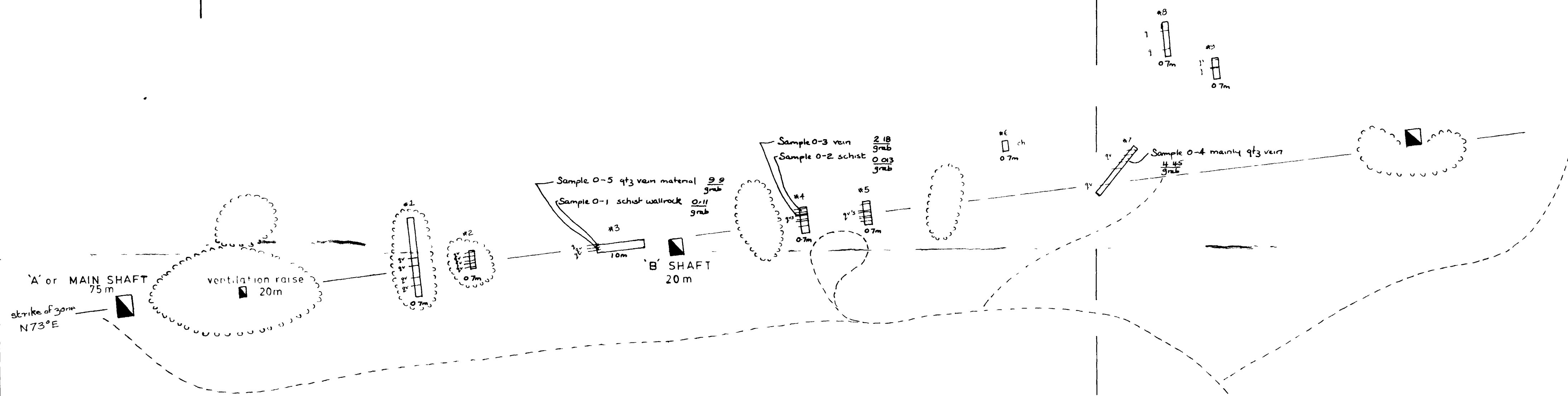
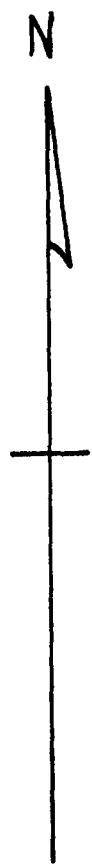
Fig. 3.

OLIVE MINE
LONGITUDINAL SECTION










Scale: 110 feet = 1 inch.

FIG 4.



LEGEND

-  TRAILS
-  BLASTED TRENCHES
DEPTH IN METRES
-  BULLDOZED AREAS
-  SHAFTS
-  QUARTZ VEINS
-  SCHIST
-  ASSAYS IN OZ / TON Au
WIDTH IN METRES

ED-VIC EXPLORATIONS Ltd
OLIVE MINE PROSPECT
 MINE CENTRE AREA ONT.
 SCALE 1 500 or 1cm = 5m



P.A.R. Brown