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PHONE: AREA CODE 602
783-6408

FROM
CLYDE DAVIS
MAY 6, 1970

WILLIAM N. BOOTH
GEOLOGIST

2017 MOTOR AVE.
KINGMAN, ARIZONA 86401

THE COPPER QUEEN MINE

This report outlines the nature of the geology, and the results of a magnetic survey, at the Copper Queen Mine. The property is located six miles West of the town of Milford, in Beaver County, in Southwestern Utah. It is reached by travelling Westward on paved State Highway 21, for six miles, then Southwesterly for one mile on a good dirt road. The mine is at an elevation of 5,700 feet, on gently sloping terrain, covered with sagebrush and scattered junipers.

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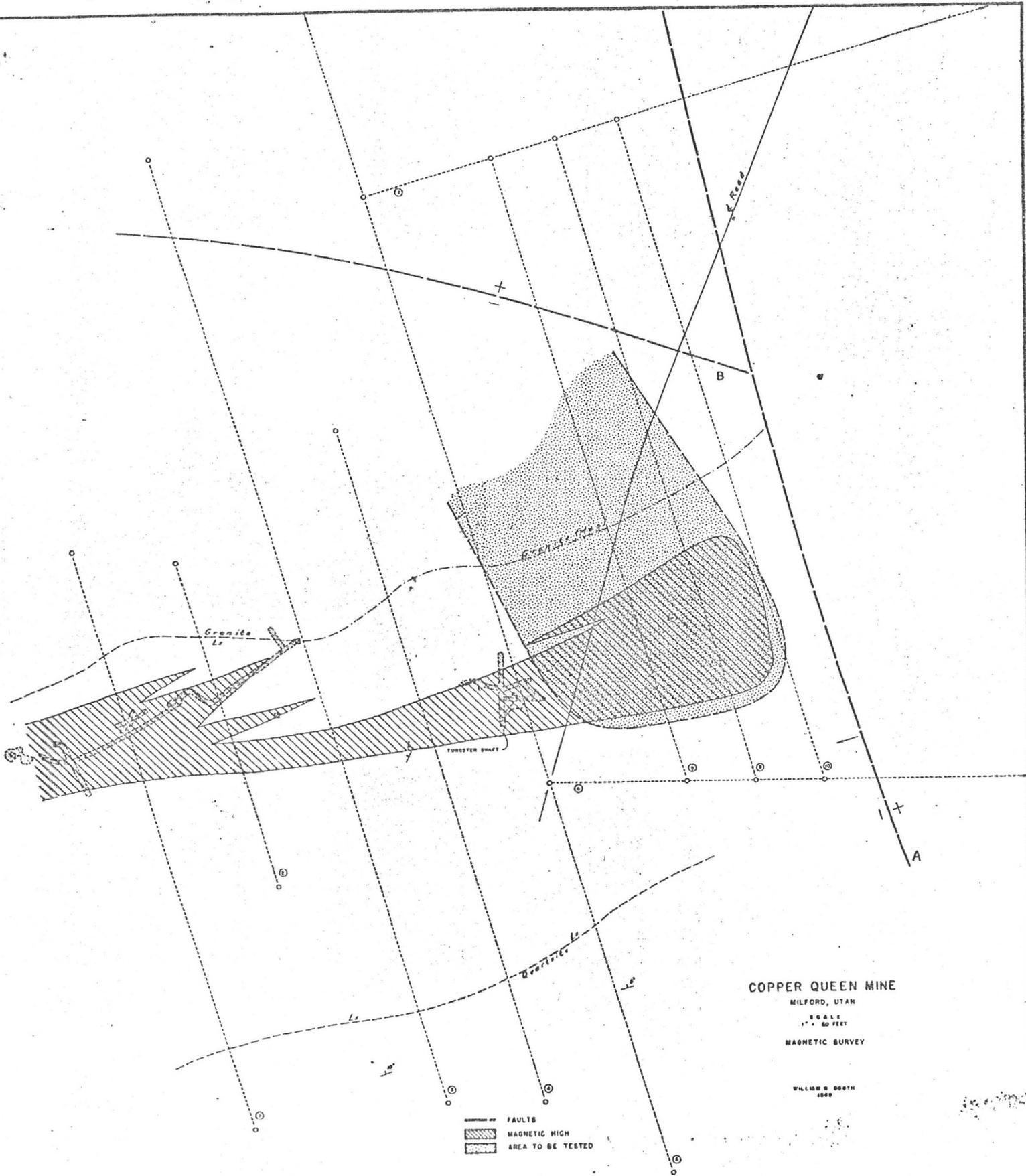
2017 MOTOR AVE.
KINGMAN, ARIZONA 86401

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Milford, Utah

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William N. Booth



COPPER QUEEN MINE
 MILFORD, UTAH
 SCALE
 1" = 50 FEET
 MAGNETIC SURVEY

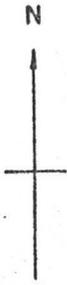
WILLIAM G. BORTH
 1909

 FAULTS
 MAGNETIC HIGH
 AREA TO BE TESTED

31 32

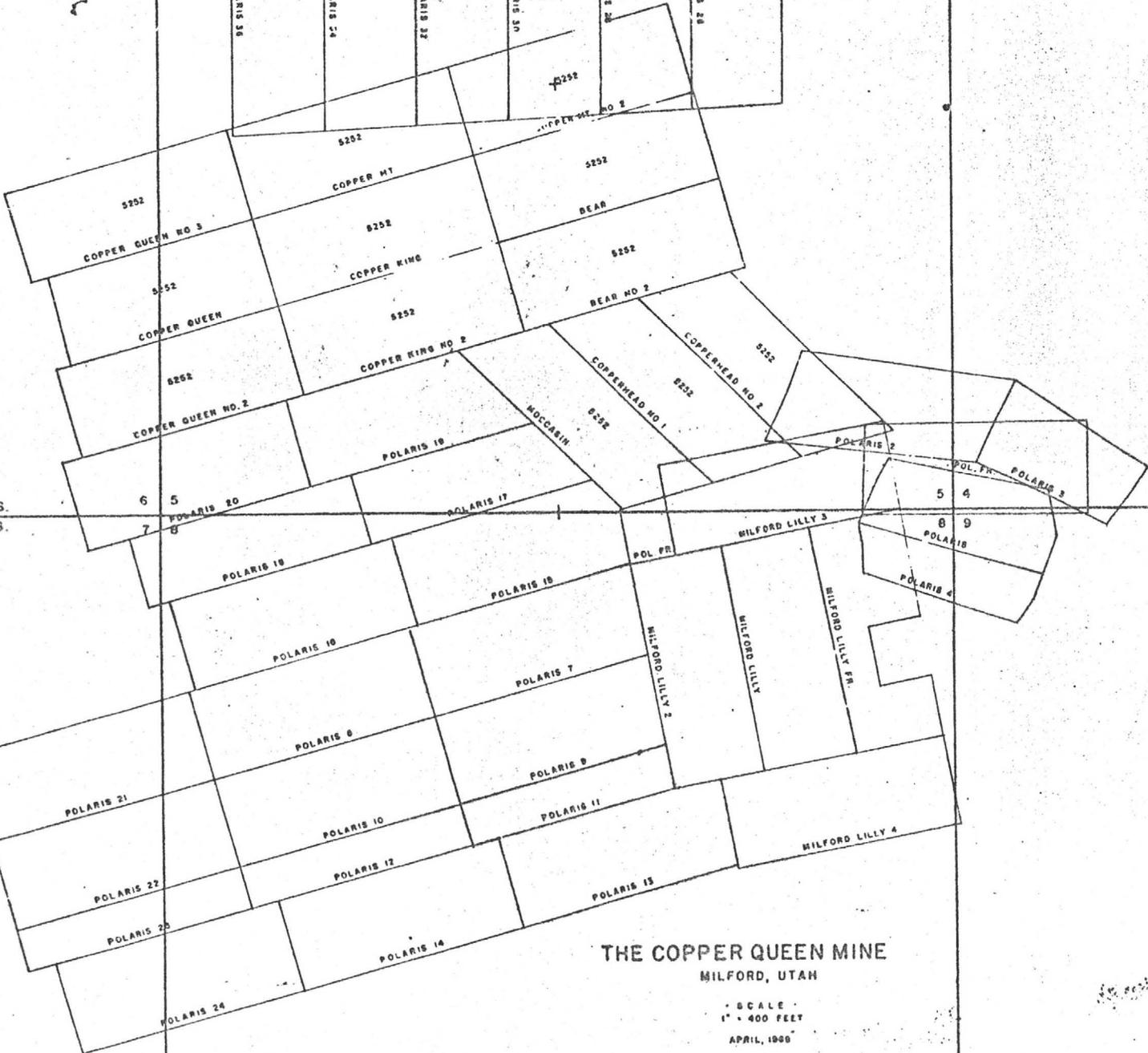
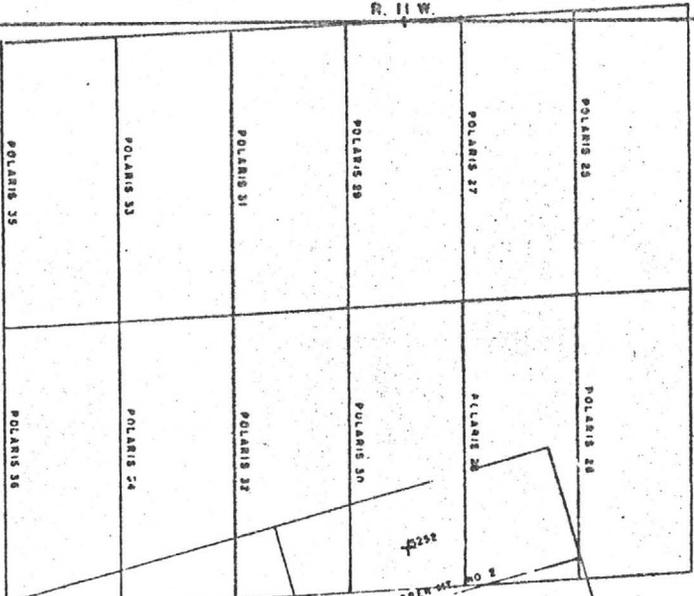
R. 11 W.

32 33



6 5

5 4



T. 27 S.
T. 28 S.

THE COPPER QUEEN MINE
MILFORD, UTAH

SCALE
1" = 400 FEET
APRIL, 1900

WILLIAM N. BOOTH
GEOLOGIST

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CLYDE DAVIS
MAY 6, 1970

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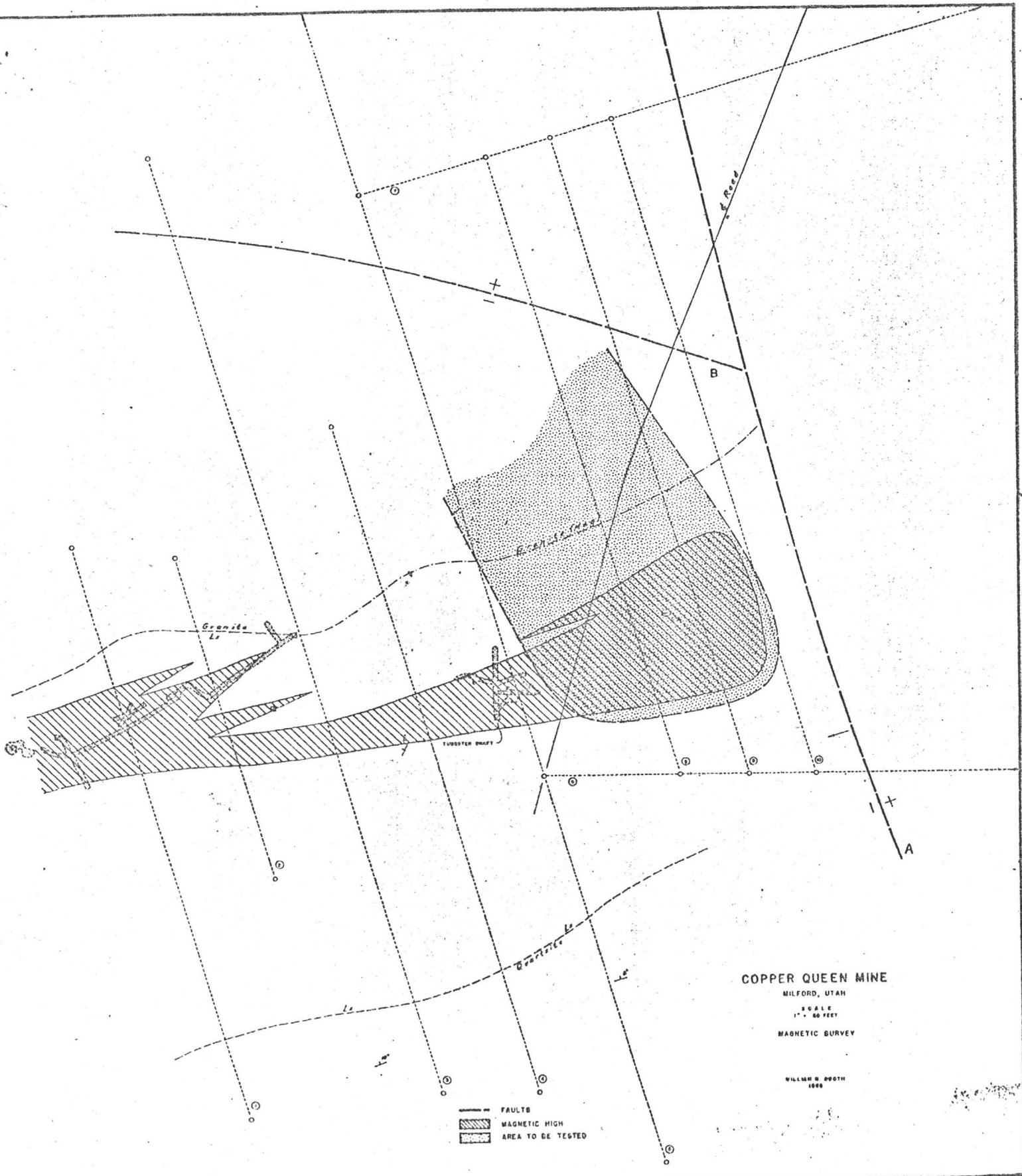
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COPPER QUEEN MINE

MILFORD, UTAH

SCALE

1" = 50 FEET

MAGNETIC SURVEY

WILLIAM B. BOOTH
1908

- FAULTS
- ▨ MAGNETIC HIGH
- AREA TO BE TESTED

PHONE: AREA CODE 602
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FROM
CLYDE DAVIS
Aug 6, 1970

WILLIAM N. BOOTH
GEOLOGIST

2017 MOTOR AVE.
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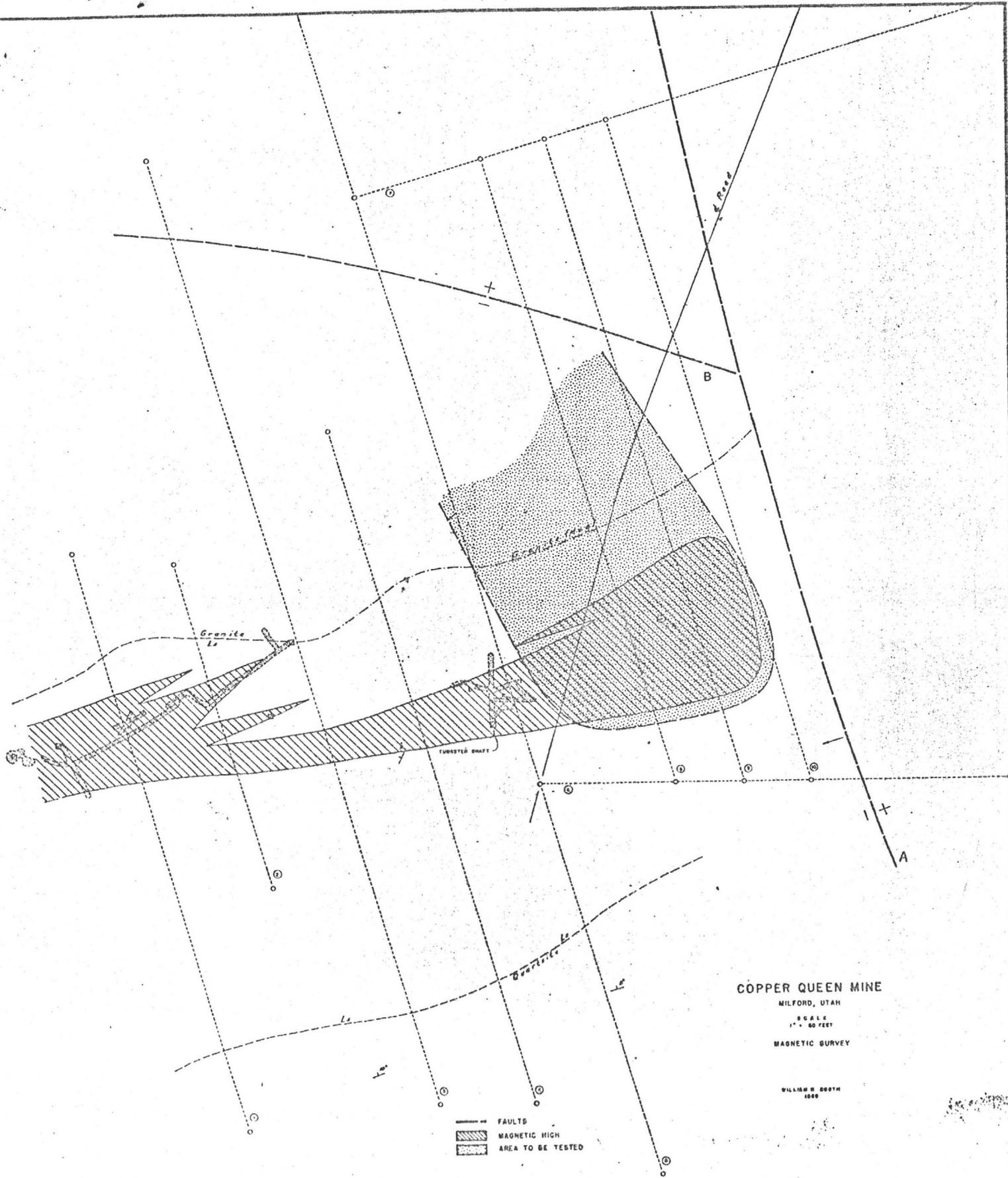
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COPPER QUEEN MINE

MILFORD, UTAH

SCALE
1" = 50 FEET

MAGNETIC SURVEY

WILLIAM B. BORTH
1909

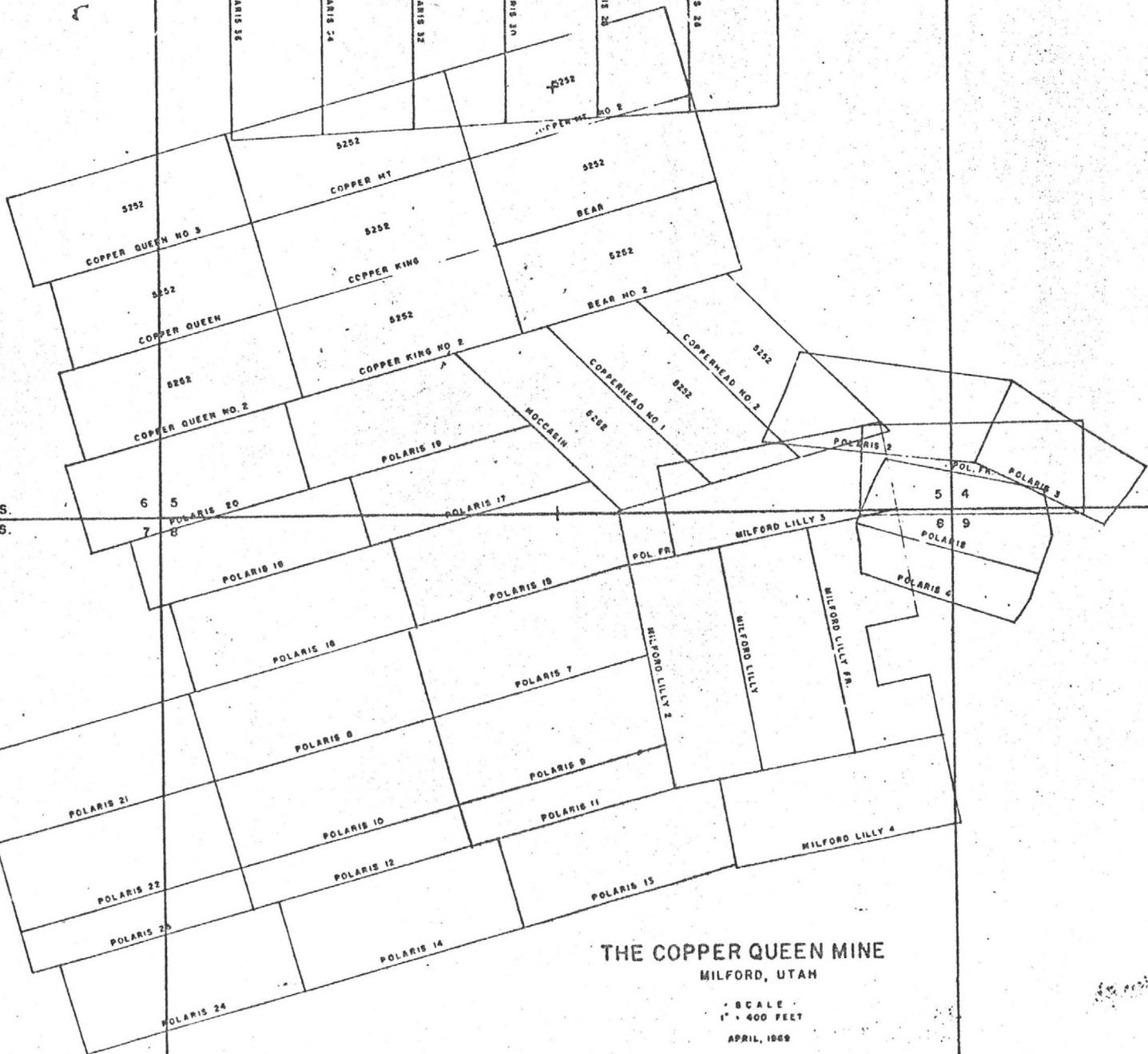
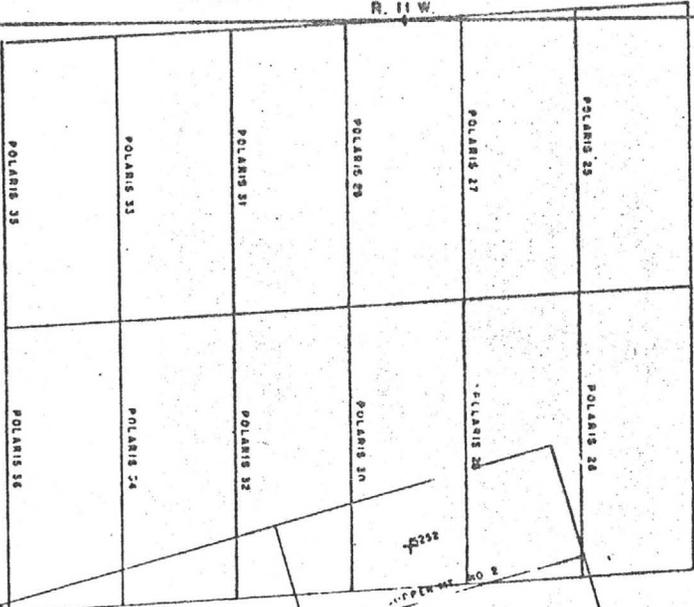
31 32

R. 11 W.

32 33

6 5

5 4



T. 27 S.
T. 28 S.

THE COPPER QUEEN MINE
MILFORD, UTAH

SCALE
1" = 400 FEET
APRIL, 1969

Mrs. Louise Kiamon
Secretary

387 - 2446 - office

387 - 2367 - Home -

Copper Queen Mine

Dr Gene Davie

M D.

Melford, Utah

PHONE: AREA CODE 602
753-6408

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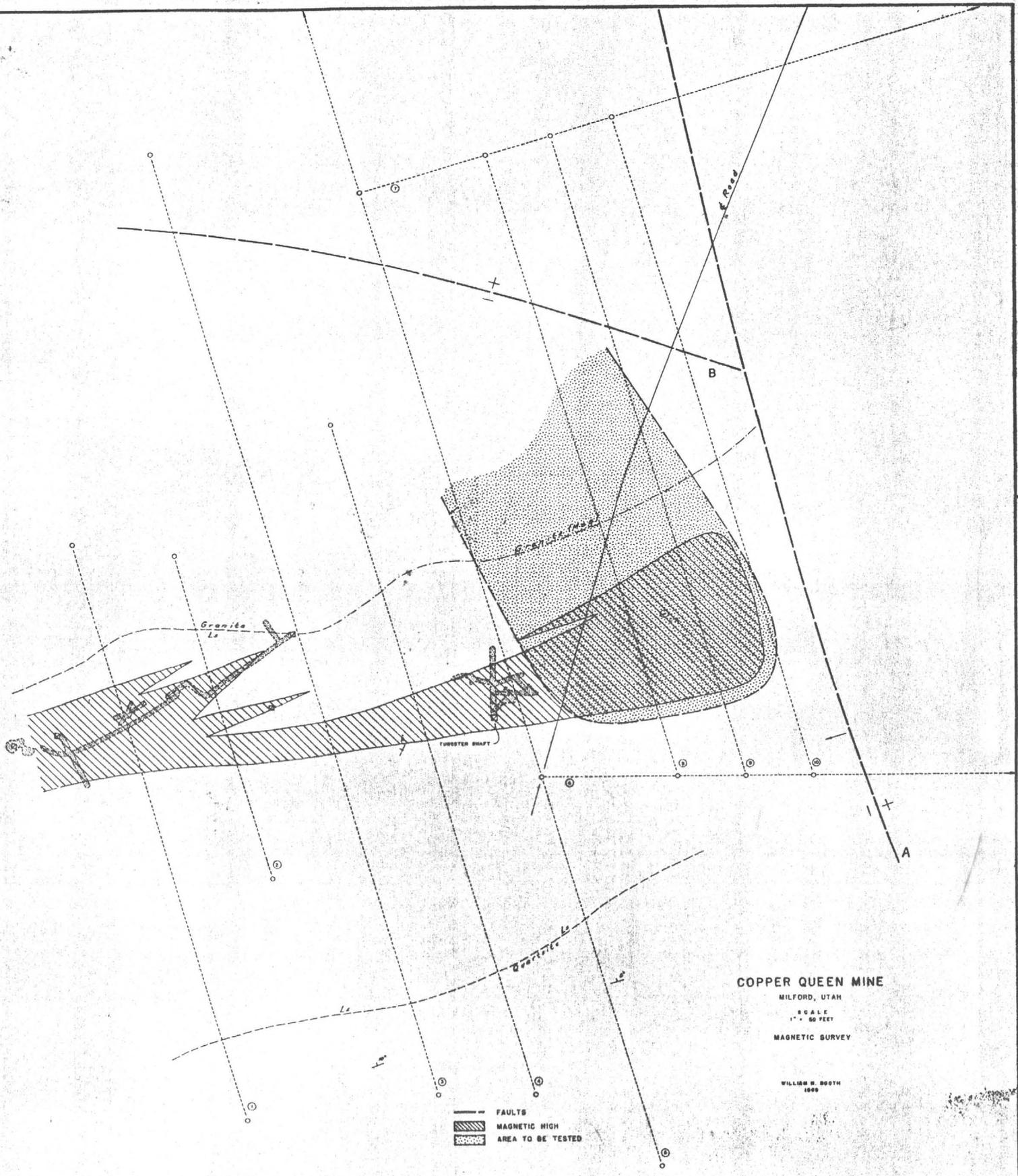
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COPPER QUEEN MINE
 MILFORD, UTAH
 SCALE
 1" = 50 FEET
 MAGNETIC SURVEY

WILLIAM B. BOUTH
 1938

- FAULTS
- ▨ MAGNETIC HIGH
- ▩ AREA TO BE TESTED

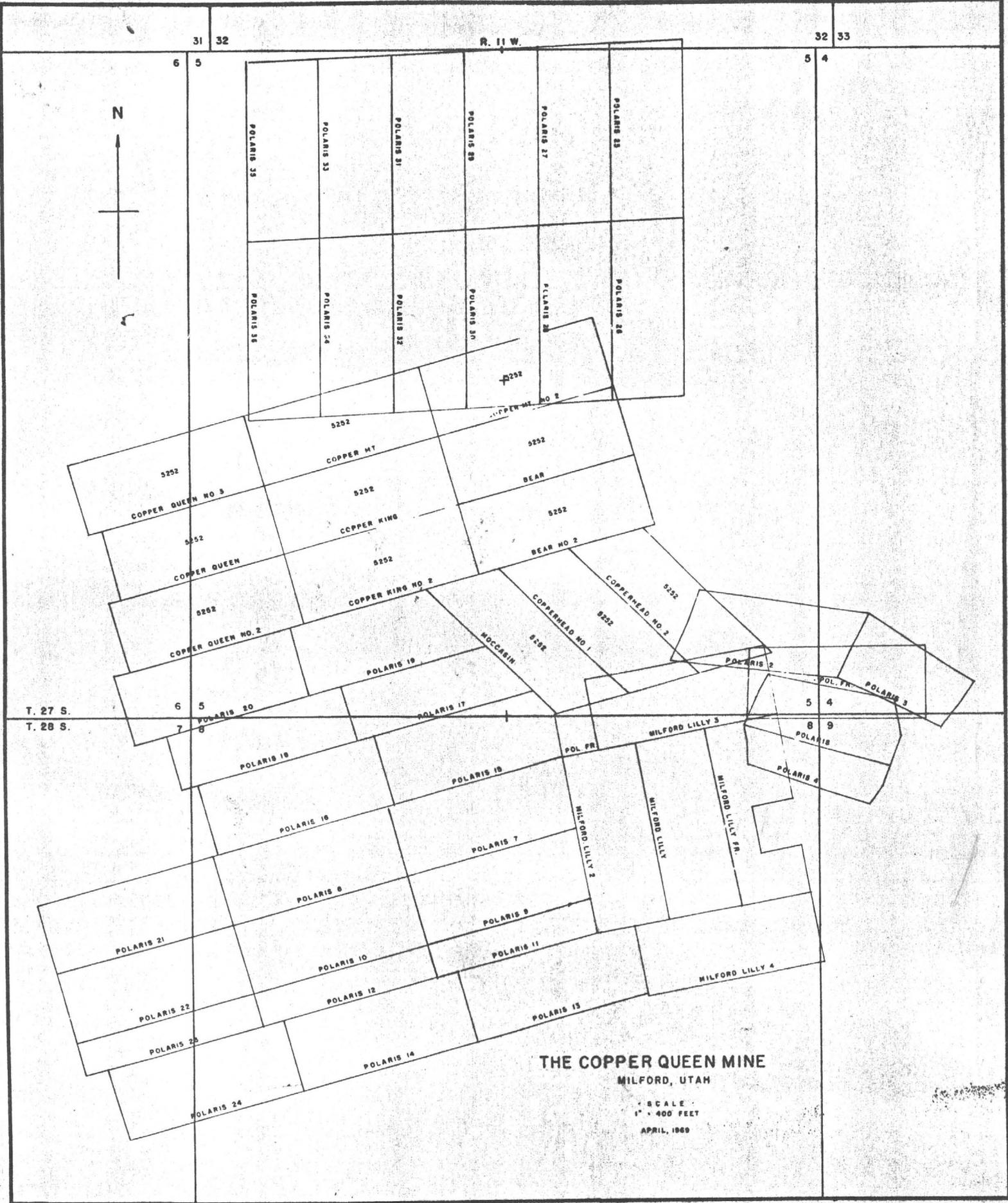
31 32

R. 11 W.

32 33

6 5

5 4



T. 27 S.
T. 28 S.

THE COPPER QUEEN MINE MILFORD, UTAH

SCALE
1" = 400 FEET
APRIL, 1969

Copper King (Milford) A004

PROJECT EI-114.5
FOR
ESSEX INTERNATIONAL

MAGNETIC SEPARATION OF SIX SAMPLES

October 20, 1970

METCON Research, Inc.
Post Office Box 50225
1796 West Grant Road
Tucson, Arizona 85703

8-81
G.H. file

PROJECT EI-114.5

FOR

ESSEX INTERNATIONAL

MAGNETIC SEPARATION OF SIX SAMPLES

PROCEDURE

Nine samples were presented to METCON Research for sample preparation with six of them to be separated magnetically.

Explicit instructions were prepared by Mr. J. R. Burke of the Essex International office and were followed carefully.

Samples E-332, E-333, E-334, E-335, E-336, and E-339 were reduced in size to 100 percent minus 65 mesh. Two hundred gram aliquots were made of each sample after assay portions had been removed. A 200 gram aliquot from each sample was then subjected to magnetic separation. In every case the separated materials were viewed under the low-power stereo microscope and appeared to present relatively clean products.

In no case was it necessary to use more than the initial 200 grams to generate sufficient product for assay. One sample contained only 15.1 grams of magnetics, but this was adequate where only iron assays were required.

Assay pulps were prepared of all nine head samples and also of the magnetic fractions of the six treated samples. The non-magnetic fractions were saved but no assays made. Magnetic fractions were assayed for iron only. Eight of the head samples were assayed for gold, silver, copper, tungsten, and molybdenum; the ninth for silver, lead, and copper.

October 10, 1970

TABLE I

MAGNETIC SEPARATION

<u>332</u>	<u>Weight</u>	<u>Weight Percent</u>	<u>Assay No.</u>	<u>Iron Assay</u>
Magnetic	57.7	28.96	5420	62.4
Non-Magnetic	$\frac{141.5}{199.2}$	71.03		
<u>333</u>				
Magnetic	125.2	62.64	5421	62.0
Non-Magnetic	$\frac{74.7}{199.9}$	37.36		
<u>334</u>				
Magnetic	108.1	54.19	5422	62.6
Non-Magnetic	$\frac{91.4}{199.5}$	45.81		
<u>335</u>				
Magnetic	57.0	28.61	5423	62.2
Non-Magnetic	$\frac{142.2}{199.2}$	71.39		
<u>336</u>				
Magnetic	58.3	29.21	5424	62.4
Non-Magnetic	$\frac{141.3}{199.6}$	70.79		
<u>339</u>				
Magnetic	15.1	7.54	5425	62.6
Non-Magnetic	$\frac{185.2}{200.3}$	92.46		

Tabulation of head assays follow in Table No. II.

TABLE II

HEAD ASSAYS

<u>Essex No.</u>	<u>Sample No.</u>	<u>Assays</u>					
		<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Cu</u>	<u>Wo</u>	<u>Mo</u>
332	5425	Nil	Trace	---	1.430	Nil	0.013
333	5427	Nil	0.04	---	0.356	Nil	0.007
334	5428	Nil	0.04	---	0.495	Nil	0.008
335	5429	Nil	0.06	---	0.438	Nil	0.010
336	5430	Nil	0.06	---	1.410	Nil	0.010
337	5414	Nil	Trace	---	0.175	0.013	0.008
338	5415	Nil	Trace	---	0.095	0.050	0.010
339	5431	Nil	0.08	---	0.690	0.070	0.012
340	5416	---	1.54	1.52	0.836	-----	-----

October 10, 1970

TABLE III
MAGNETIC SEPARATION DATA

<u>Essex No</u>	<u>Weight</u>	<u>Weight Percent</u>	<u>Assay No.</u>	<u>Iron Assay</u>
332	57.7	28.96	5420	62.4
333	125.2	62.64	5421	62.0
334	108.1	54.19	5422	62.6
335	57.0	28.61	5423	62.2
336	58.3	29.21	5424	62.4
339	15.1	7.54	5425	62.6

Phil Allen by R. Fisher
Phil Allen, President
METCON Research, Inc.

vas

October 19, 1970