



52C16SW8254 2.6399 BENNETT LAKE

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REPORT ON
MINING CLAIMS K580422 and K580423
(ALICE A MINE)

KENORA MINING DIVISION
ONTARIO CANADA

RECEIVED
FEB 20 1984
MINING LANDS SECTION

prepared by:

J. W. Redden
J. W. Redden
Geologist
P. O. box 117
Wabigoon, Ont.
POV 2W0

Dec. 23, 1983

Introduction

This report describes mining exploration done to date on two claims K580422 and K580423. These two claims cover ground originally mining location K191 which is generally known as the Alice A property. Since December 1980 the claims have been owned by J. W. Redden of Wabigoon, Ontario. The contents of this report are based on data on file at the Regional Geologist's office in Kenora and personal observations of the writer.

Location and Access

The claims are located about 8 miles east of Mine Centre and one mile north of highway 11. Mine Centre is located between Fort Frances and Atikokan on highway 11.

The claims may be reached by following a tote road westerly from the Manion Lake Road about 0.8 mi. north of highway 11. The Manion Lake Road is an all-weather gravel road. The tote road is suitable for truck travel during dry weather.

Previous History

The earliest record concerning the property is contained in O.B.M. Vol. IV, 1894 where reference is made to reports of rich specimens of gold from location K191. Other references to the Alice A are contained in O.B.M. Volumes VII, VIII, IX which describe the progress of development work. At the suspension of operations in late 1900 the principal mining development consisted of two shafts with minor drifting. A number

of test pits at various locations on the property were also sunk. A two stamp mill was also installed for testing purposes.

Reports on the property were written by three different mining engineers for Mr. J. S. Hillier, president of American-Canadian Gold Mining Co. the owner of the Alice A at this time. The reports were very positive concerning the potential of the property. Mr. Hillier's attempts to raise additional capital to install a 500 tpd or larger mining and milling plant were unsuccessful. Within a few years the company was defunct and the property reverted to the crown.

An attempt to revive interest in the property in the 1920's was unsuccessful.

During 1975 the Hanna Mining Co. conducted magnetometer, electromagnetic and geological surveys on the property. This was part of an exploration programme on 149 claims for base metals. The reports indicate that gold was not considered in this exploration work.

The work by Hanna does provide an outline of the geology and structure of the property. The electromagnetic survey did not find significant conductors. Modified versions of the geological map and magnetic profiles are attached to this report. The lines cut for this work are still easy to follow.

Before and after 1975 the property has been staked on numerous occasions but no significant work was done.

Since acquiring the property Mr. Redden has completed about 1500 feet of trenching on the claims. Sampling and assaying is incomplete due to the water-filled condition of

many of the trenches. Assays available to date are attached to this report.

Workings on the property consist of two shafts and a few pits. The shafts are about 200' apart. One is about 100 feet deep, the other about 50'. The records are confusing as to the specific depths and other details.

General Geology

The property lies within a mile south of the Quetico fault - a major fault zone striking nearly east-west.

Rock types exposed on the property consist primarily of felsic volcanics with lesser intermediate volcanics originally flows with minor tuffs. The felsic volcanics are characterized by sericite and carbonate, the intermediate volcanics by chlorite and carbonate.

The rocks strike generally east-west and the regional schistosity tends to follow the same strike. Dips are very steep to vertical. Drag folding is present throughout the area.

Economic Geology

Gold is the only mineral of economic significance known to occur on the property. The gold is associated with pyrite, chalcopryrite, sphalerite and galena in quartz veins.

At the main showing on the claim line between K580422 and K580423 the quartz veins are associated with drag folding within the felsic volcanics. The quartz veins are highly contorted and irregular due to this drag folding. The quartz and

drag folding occupies an area of about 200' long and 100' wide and is open to the east. All the development of the Alice A during the 1890's was carried out in this 100 x 200 foot area.

A second drag folded area with quartz veining was discovered by trenching about 400 feet southwest of the main showing. The limits of this zone are not known.

Other quartz veins and shear zones occur on the property but drag folding is absent.

Summary and Conclusions

Gold assays up to 0.81 oz. per ton have been obtained from the property.

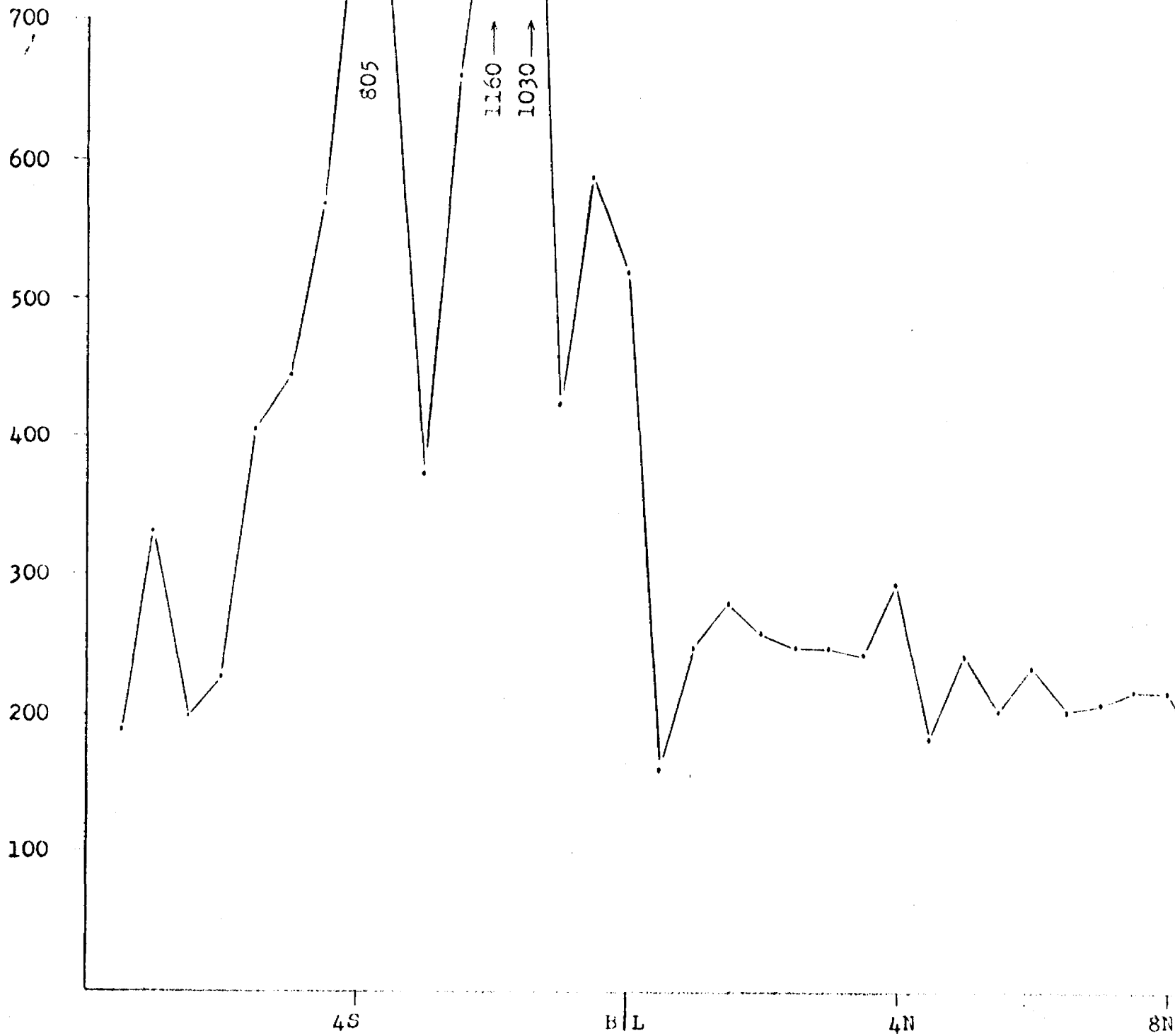
The type of gold occurrence known to occur on the property has two significant aspects. The drag folding can be expected to persist to depth and similar structures can be expected to occur on the property.

Additional work is justified on the property.

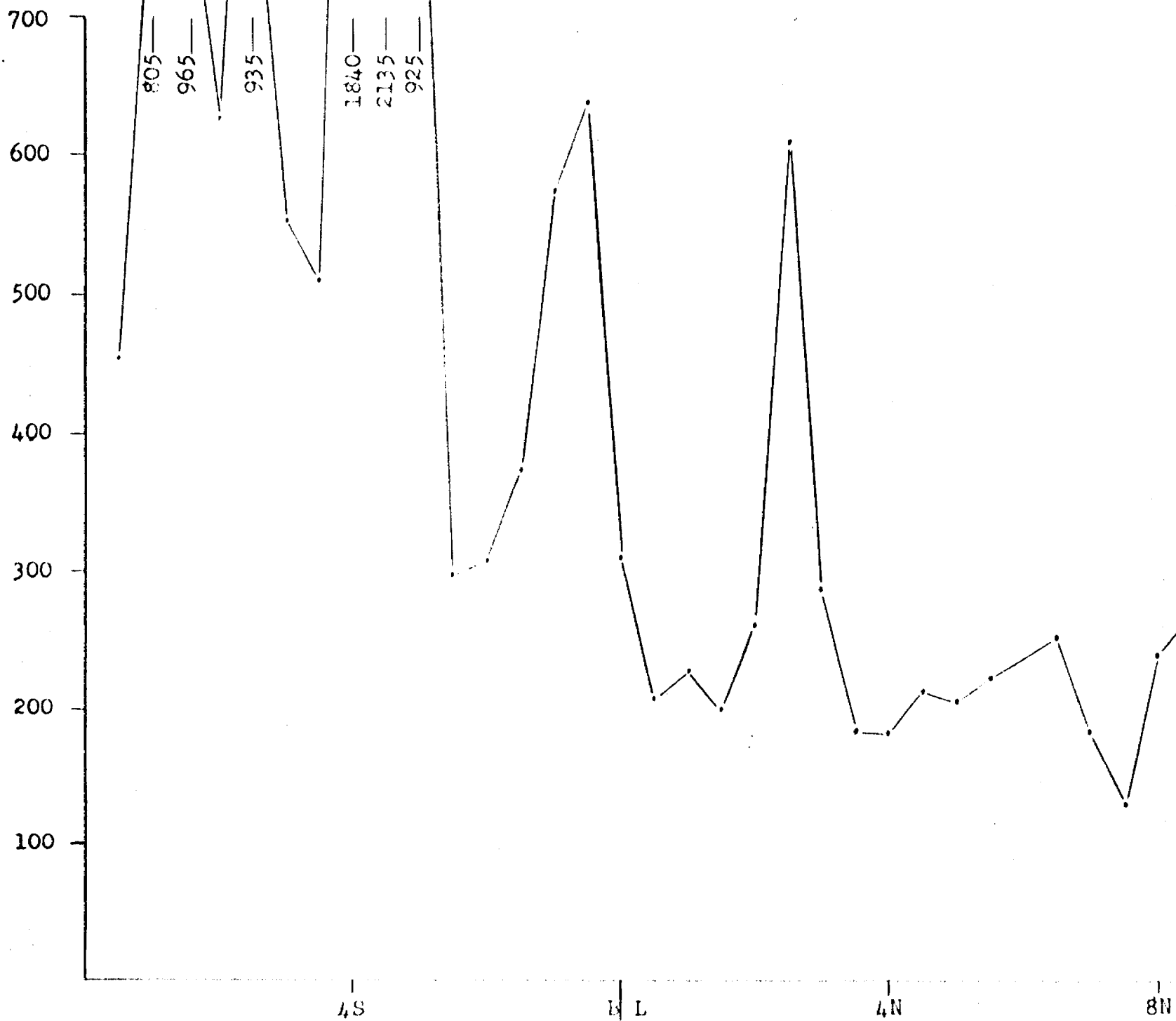
Recommendations

1. The old mine workings should be pumped out and sampled. This will clarify the actual extent of the workings and the grade to be expected. The present data indicates that one shaft is 50 feet deep and the other about 100 feet with 30-50 feet of drifting. The water pumped could be used to wash off the bedrock in the vicinity of the shafts. The tote road from the Manion Lake road to the old workings can be cheaply upgraded (est. cost \$1000.00 - \$2000.00) to permit transport of the necessary equipment to the site.

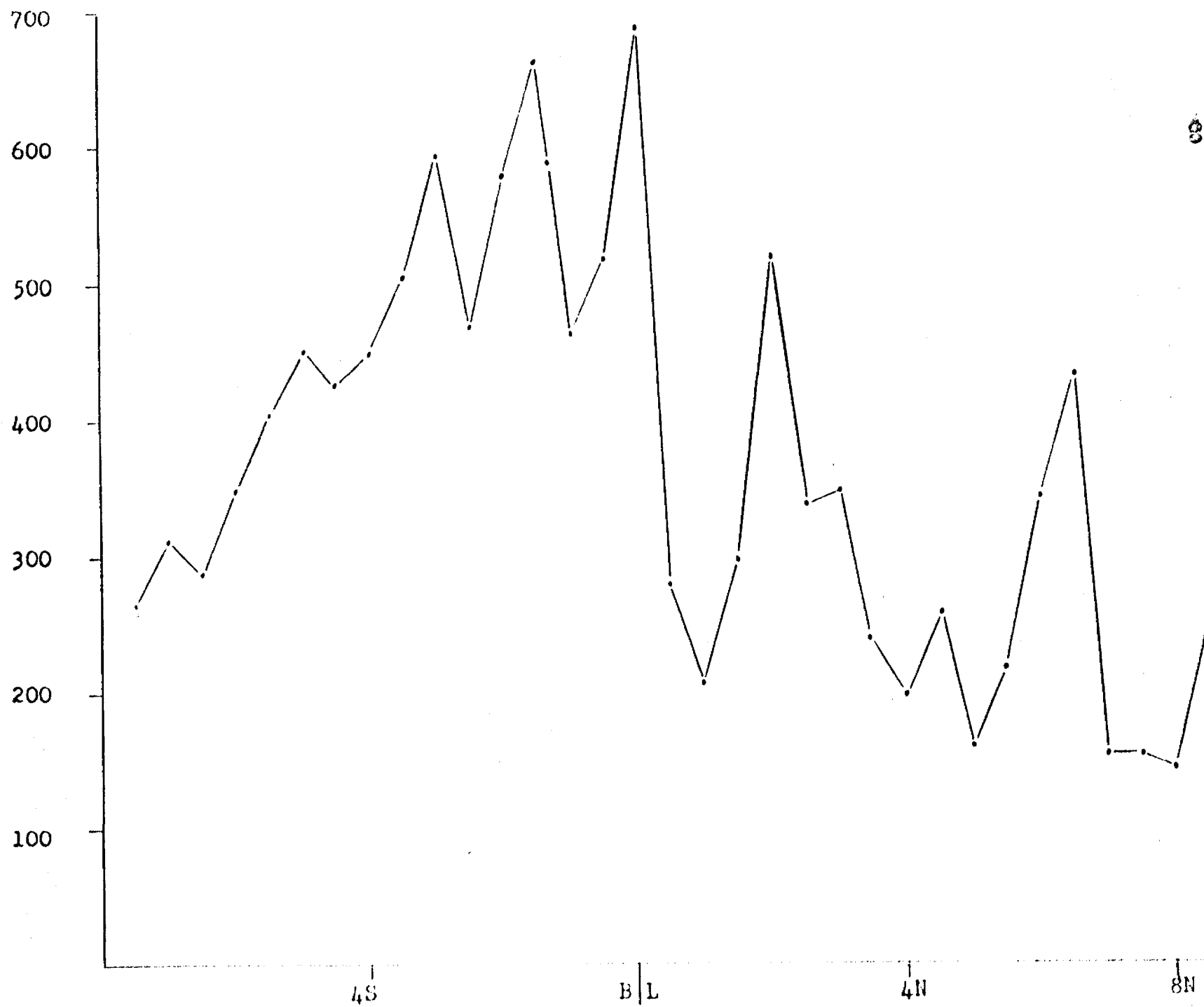
2. An I.P. survey is warranted to outline sulphide-bearing quartz zones on the claims. The gold is known to occur with the sulphides. The sulphides are not present in sufficient quantities to form a conductor thus I. P. is required. Picket lines at 200-foot intervals should be adequate. More detail would be required in all anomalous areas. Trenching on anomalous areas would follow where overburden depths permit.
3. All water-filled trenches should be drained and sampled where warranted.
4. Rock trenching should be carried out on all quartz veins and shear zones to provide fresh surfaces for sampling.
5. Depending on the results from Recommendations 1 to 4 diamond drilling should be carried out to test I. P. anomalies too deeply buried for trenching. At this time consideration should also be given to acquisition of additional ground suspected to contain similar structures. This area is believed to extend six to ten miles both east and west of the property.



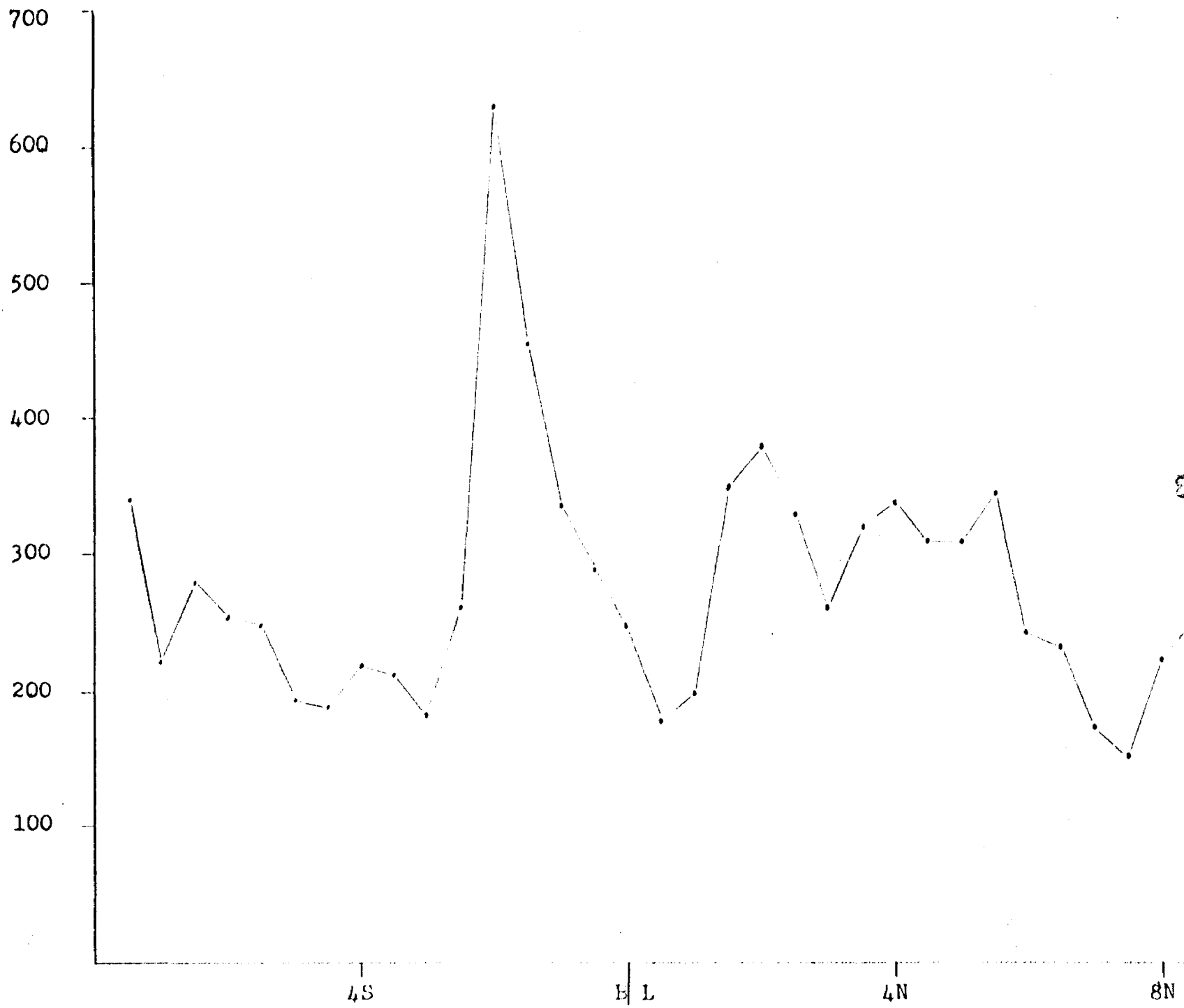
Mag Profile
 1" = 200'
 Line 308E



Mag Profile
 1" = 200'
 Line 312B



Mag Profile
1" = 200'
Line 316E



Mag Profile
1" = 200'
Line 320E

Feet

700
600
500
400
300
200
100

Surf

4S

B/L

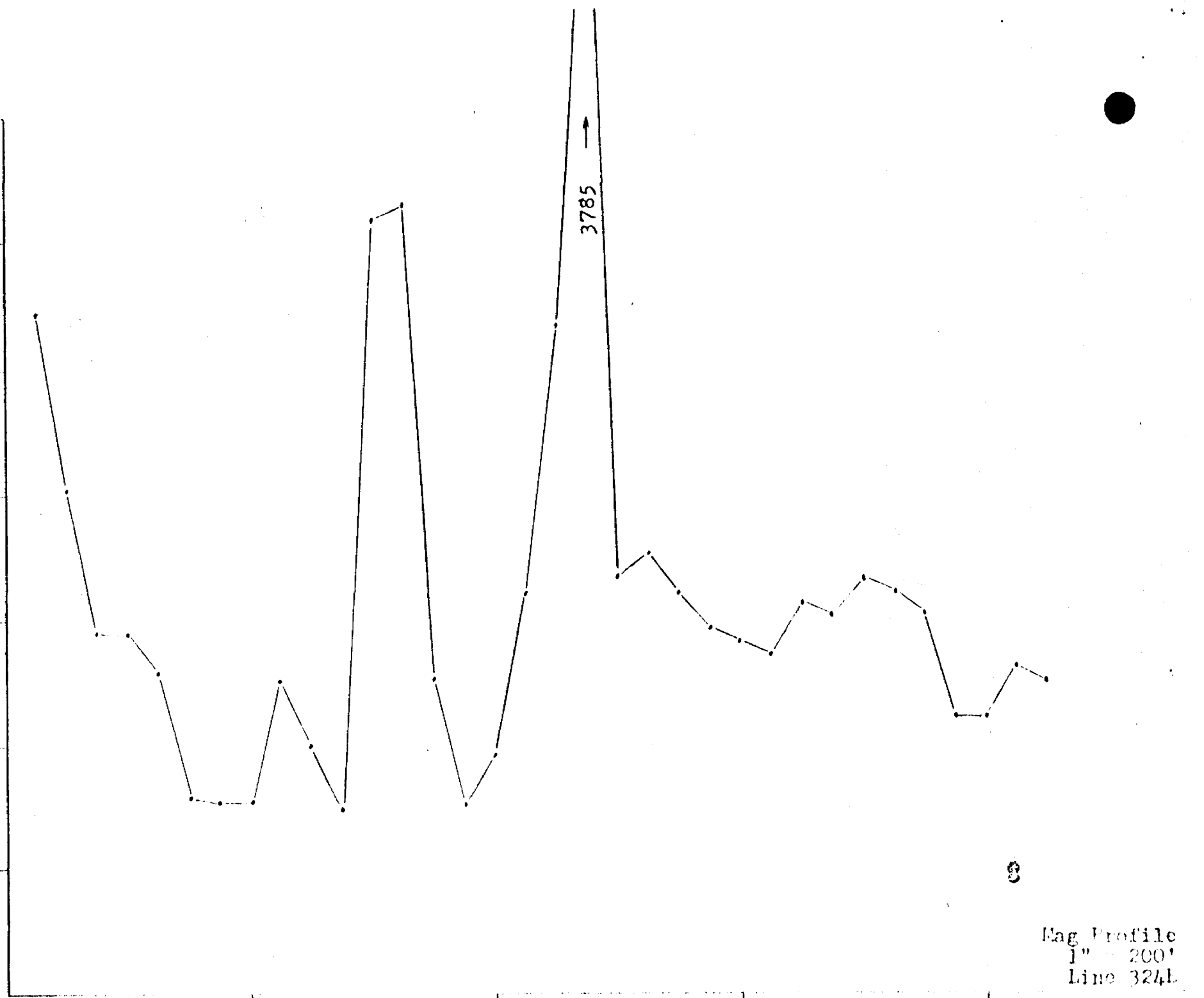
4N

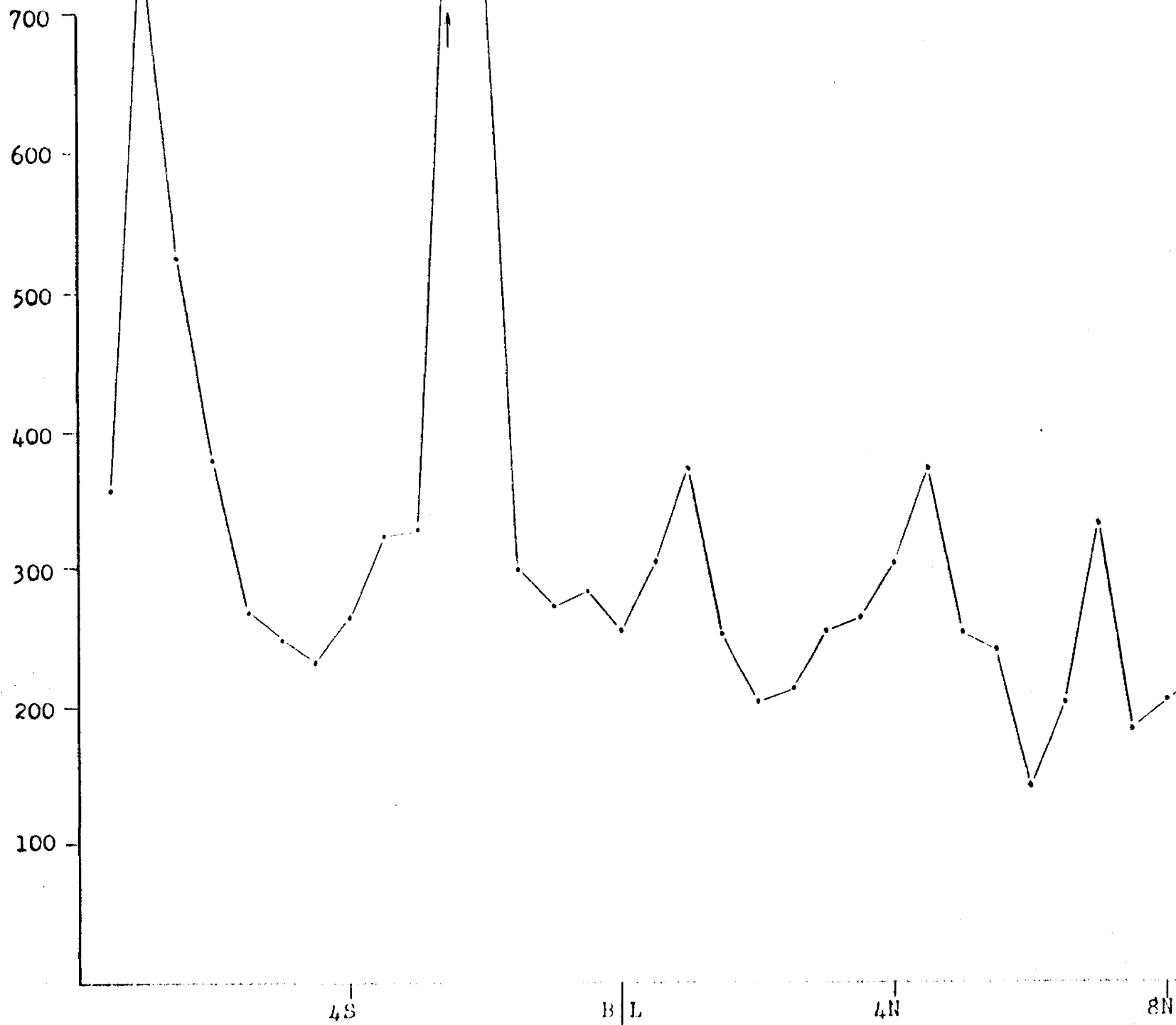
8N

3785 →

3

Mag Profile
1" = 200'
Line 324L





Mag Profile
1" = 200'
Line 328E

308E

312E

316E

320E

324E

328E

K580422 and K580423

ALICE A MINE

Bennett Lake Area

Kenora Mining Division Ont.

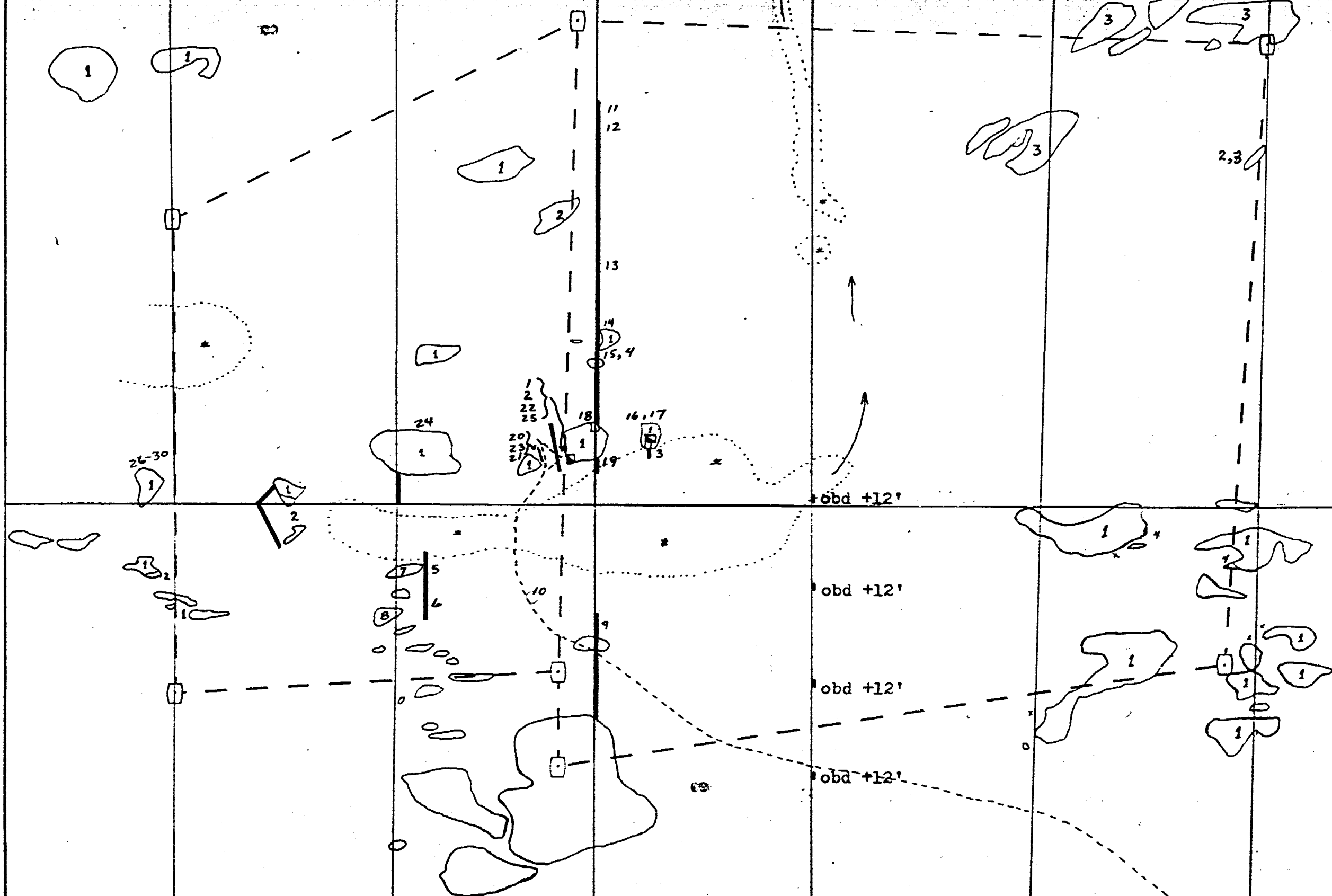
Scale 1" = 200'

TRENCHING & SAMPLING

Trenches

Sample

Sample No.	Width	Au oz./ton
1	grab	0.81
2	grab	0.07
3	grab	Nil
4	grab	Nil
5	12"	Nil
6	24"	tr
7	36"	tr
8	10"	Nil
9	30"	Nil
10	6"	Nil
11	24"	Nil
12	24"	Nil
13	12"	Nil
14	12"	Nil
15	12"	tr
16	42"	Nil
17	36"	0.03
18	60"	0.02
18	reassay	0.08
19	6"	Nil
20	24"	Nil
21	12"	Nil
22	grab	Nil
23	18"	Nil
24	grab	Nil
25	grab	0.20
26-30	grab	Nil



JWR

320E

324E

328E

K580422 and K580423

ALICE A MINE

Bennett Lake Area

Kenora Mining Division Ont.

Scale 1" = 200'

Legend

picket lines ———

claim post □

claim line - - - -

tote road - - - - -

outcrop ○

geological contact ———

felsic volcanics 1

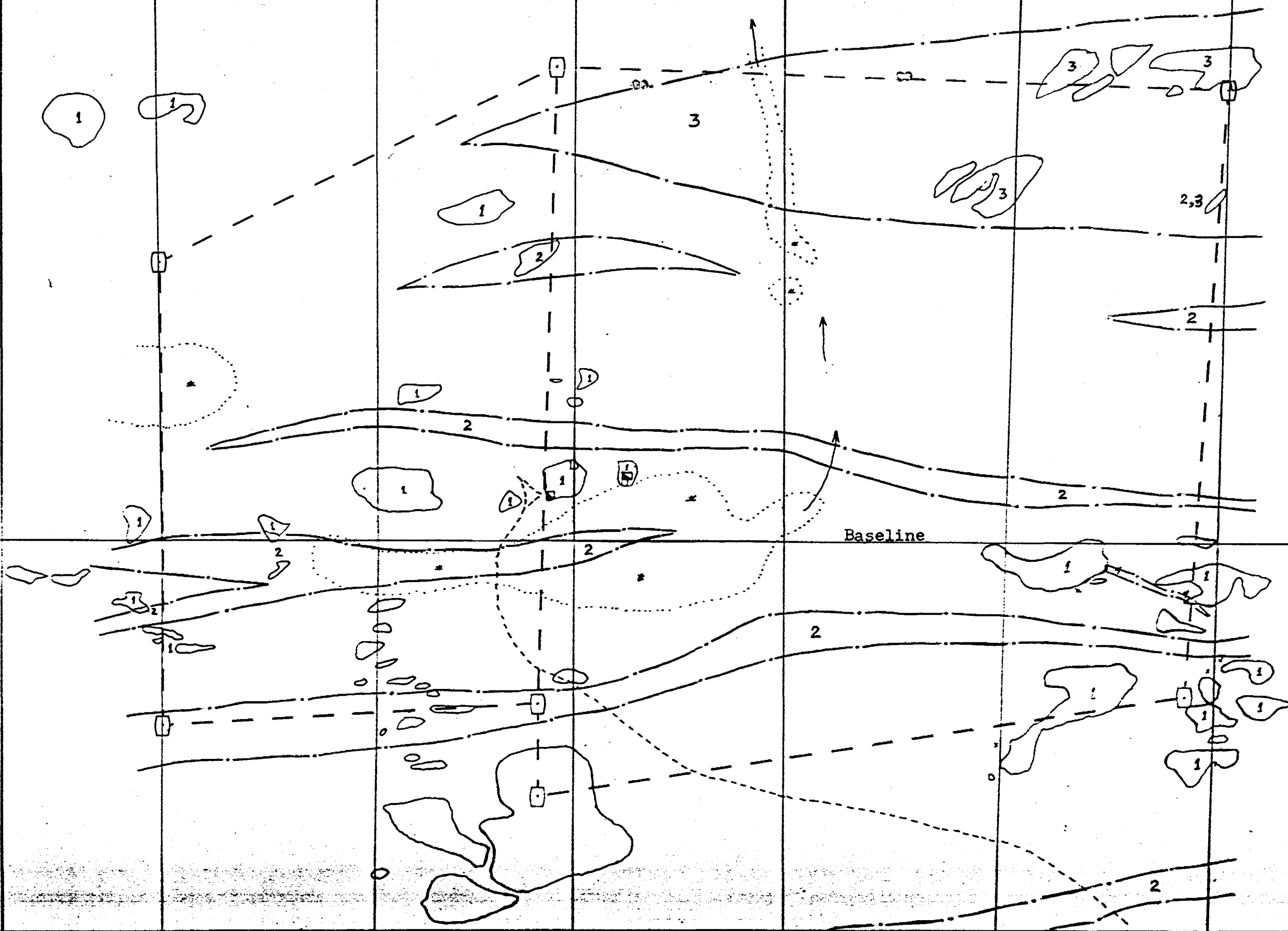
intermediate volcanics 2

mafic volcanics 3

intermediate intrusive 4

swamp *

drainage →



DK-15-3-84

Assessor

Approved Reports of Work
sent out

Notice of Intent filed

Approval after Notice of Intent
sent out

Duplicate sent to Resident
Geologist

Duplicate sent to A.F.R.O.

Wabigoon, Ont. PUV 2W0

Feb. 13 1984

PAY TO THE ORDER OF J.W. Redden

SUM OF One thousand, three hundred and fifty ^{XX} \$ 1,350.00
DOLLARS 100

FOR consulting fees - Alice A Property J.W. Redden
Inv. # 004

Bank of Montreal
21 King St.
Dryden, Ont. P8N 2Z5

Per: Deann Redden

⑆03187⑆00⑆⑆ ⑆011⑆457⑆

FOR DEPOSIT ONLY TO
ACCOUNT # 1011-457

J.W. Redden

DEPOSITED TO THE CREDIT OF
THE PAYEE
BANK OF MONTREAL
21 KING STREET
DRYDEN, ONT.

FEB 16 1984

03187-001 28
Bank of Montreal
FEB 13 1984
21 King Street
Dryden, Ont. 03187-001
28

2.6399

RECEIVED	
Land Management Branch	
DATE RECEIVED	<input checked="" type="checkbox"/>
ADVISES PLEASE	<input type="checkbox"/>
MAY 16 1984	
ALL GOOD	

P. O. Box 117,
Wabigoon, Ont.,
POV 2W0,
May 4, 1984.

Mr. S. E. Yundt, Director,
Land Management Branch,
Ministry of Natural Resources,
Whitney Block, Room 6643,
Queen's Park,
Toronto, Ont.
M7A 1W3

RECEIVED
MAY 16 1984
MINISTRY OF NATURAL RESOURCES

Dear Mr. Yundt:

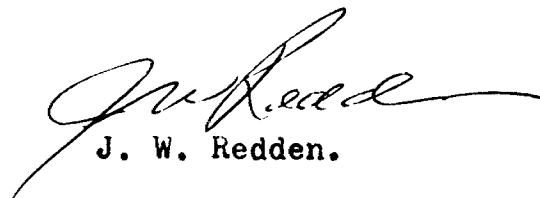
Re: Your file 2.6399

The following is a breakdown of the consultant's costs as requested in your letter of April 24, 1984.

Professional Fee (visit to property, bulk sampling, review of previous work on the property, drafting of maps, pre- paration of report)	\$1000.00
Assays (30 assays at \$10.00)	300.00
Misc. Expenses	<u>50.00</u>
TOTAL =	<u>\$1350.00</u>

I trust this is the information you require.

Yours truly,


J. W. Redden.

JWR/dr

April 24, 1984

Our File: 2.6399

J.W. Redden
Box 117
Wabigoon, Ontario
POV 2W0

Dear Sir:

RE: Data for Assaying submitted on Mining Claims
K 580422-23 in the Bennett Lake Area

In order to assess the above-described submission, we require (in duplicate) a complete breakdown of the consultant's costs.

When submitting this information, please quote file 2.6399.

For further information, please contact Mr. F.W. Matthews at (416)965-6918.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-6918

S. Hurst:mc

cc: Mining Recorder
Kenora, Ontario

Mining Lands Comments

To: Geophysics

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geology - Expenditures *Mr. Kustra.*

Comments

<i>The consultants fee seems high. Please ask for a breakdown of expenses. If assays were included</i>

Approved

Wish to see again with corrections

Date

Signature

April 16/84

C Kustra

To: Geochemistry

Comments

L.D.

Approved

Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

YYur File: 5.84
Our File: 2.6399

1984 03 14

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

We have received data for a Consultant's Report submitted under Section 77(19) of the Mining Act R.S.O. 1980 for Mining Claims K 580422-23 in the Area of Bennett Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours sincerely,

S. E. Yundt
Director
Land Management Branch

Whitney Block
Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-6918

A. Barr:dg

cc: J.W. Redden
Box 117
Wabigoon, Ont.
POV 2W0