

87-369-16123

1987 Assessment Report

Claim: Mono Mineral Claim, Lot #2205  
Claim name: Mono  
Location: Brown Creek--Greenwood Mining Division  
17 km north of Grand Forks  
82 E/1W 49°<sup>10.1'</sup>~~00'~~ 118°28'W

Owner and Operator:  
F. J. Flanagan  
R. R. #2  
Grand Forks, B. C.  
VCH 1HO

Consultant and Author:  
J. R. Lucke  
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Grand Forks, B. C.  
VCH 1HO

Date Submitted:

June 19, 1987

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**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16, 123**

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1987 Assessment Report  
on the  
Mono Mineral Claim.

Summary:

A detailed magnetic survey was carried out on a portion of the Mono Mineral Claim June 14 and 15, 1987. This work was a follow-up from a previous more general magnetic survey of the whole claim, which indicated anomalous magnetic readings in several areas. As a result of the detailed survey, rock samples were taken from a number of outcrops and assayed for gold.

The Mono Mineral Claim is located approximately 17 km north of Grand Forks and lies on the western slope of what is known as the North Fork valley. Its previous history is clouded, although there has been some trenching in the past and some sulphide mineralization has been exposed. Other claims in the area have some history of gold production, hence the interest in this commodity on the Mono.

A total of 160 magnetic readings were taken on a 10 meter grid spacing and 6 rock samples were collected for assay.

Introduction:

During June 1987, a detailed geophysical survey was conducted on a portion of the Mono Mineral Claim.

The purpose of this survey was to delineate more accurately certain magnetic anomalies discovered in a broader survey in 1985. Magnetic bodies containing magnetite, pyrrhotite, pyrite and gold values are fairly common in the area.

Because the survey was successful in zeroing-in on specific magnetic targets, the results are thus interpreted and contained within this report. Since at least one old working was discovered which did not show up magnetically, recommendations have been made concerning appropriate types of future work.

Property:

The property is comprised solely of Lot # 2205, which was originally a Crown-granted mineral claim known as the Mono Mineral claim. It has since become deeded land and the present owner currently holds the mineral rights as well. (Fig. 1.)

Particulars are as follows:

<u>Claim name</u>	<u>Units</u>	<u>Record #</u>	<u>Expiry Date</u>
Mono	1	1152	June 19, 1990*

\*(Pending approval of three years assessment work applied June 19, 1987)

Location and Access:

The Mono Mineral Claim is roughly 17 km north of Grand Forks, lying north of Brown Creek and adjacent to and west of the Granby River.

Access is via the North Fork road, which is paved all the way from Grand Forks. This major road actually cuts through the property, so no secondary roads are involved. (Fig. 2.)

Work Done:

The area chosen for a detailed survey was that showing the most dramatic magnetic variation in the 1985 survey. This zone is located in a new grid with dimensions of 100 m by 140m. (Fig. 3.)

Fifteen lines were established running in a roughly north-south orientation. These lines were 10 m apart and stations were marked at 10 m intervals. Magnetic readings were taken at all but a few inaccessible stations.

Once all magnetic data was reduced and plotted, several zones of potential interest became apparent. These areas were revisited and rock samples taken. A total of six samples were collected and sent to be assayed. (Several samples were taken from outcrops containing sulphide mineralization even though no magnetic anomalies had been observed.)

Magnetometer Survey:

The magnetic survey was conducted with the use of a Sabre G110 magnetometer.

The old grid station ON OW (the southeast corner of the claim) was reestablished as a base station and used as a check for diurnal variation. In the context of the overall survey, these variations proved to be insignificant and it was ultimately deemed unnecessary to make corrections. (Fig. 4.)

(magnetometer survey continued)

Measurements recorded represent the earth's magnetic intensity at each station and readings shown are in tens of gammas. That is, a recorded reading of 5459 would be 54590 gammas. The contour interval on the accompanying map is 1000 gammas. (Fig. 5)

#### Geological Sampling:

A total of 6 rock samples were collected, some from zones of anomalous magnetic values and others from magnetically neutral areas. The locations sampled are as follows:

<u>Sample #</u>	<u>Location</u>	<u>Visible Mineralization</u>
1	396 W 13 N	pyrite
2	330 W 15N	gossan
3	320 W 40 N	quartz
4	315 W 35 N	pyrite in gossan
5	313 W 40 N	pyrite, quartz
6	290 W 63 N	pyrite (old pit)

#### Results:

The survey very successfully zeroed in on several specific zones containing sulphide mineralization. In each case, corresponding high and low magnetic values were apparent.

Sulphide mineralization was observed also in several locations which showed little magnetic variation. In addition, certain magnetically anomalous zones appeared to have little or no associated sulphide minerals.

It is interesting and important to note that an old pit, approximately 3m x 3m x 2m deep is located at 290W 63N. This working, even though it contains blebs of massive pyrite, did not show up on the magnetic survey. (see Fig.5 )

#### Conclusions:

What appeared as a relatively large magnetic body in the original survey was shown to be the aggregate of several smaller magnetic zones when surveyed on a detailed basis. Frequently the anomalous zones were shown to contain sulphides, but not necessarily. Zones containing

(conclusions continued)

sulphides were sometimes, but not always, magnetic.

Assay results from Acme Analytical Laboratories in Vancouver are shown on the appended assay sheet. While gold values are rather low in all cases, there are significant variations and definite values present. It is interesting to note that the highest assay was obtained from rocks out of an old working which did not show up on the magnetic survey. Hence the search for gold-bearing rocks should not be restricted to magnetically anomalous zones.

Recommendations:

There are as yet several major magnetic zones on the Mono which have not been investigated beyond their preliminary discovery. Like the zone detailed in this report, they may be comprised of many smaller bodies. These should be surveyed on a more detailed grid pattern.

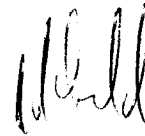
Since not all mineralized zones on the property become apparent by means of a magnetic survey, other methods could be employed to discover certain ones. An electromagnetic survey may prove useful in locating such conductive bodies and it is recommended that this be carried out initially on the original mag grid.

As mineralized zones are located, further samples should be taken and assayed for gold.

Qualifications:

I, J. R. Lucke, consultant and author of this report, do hereby certify that I have the following qualifications and experience with respect to geological and geophysical surveys:

- 1) I graduated from the British Columbia Institute of Technology in 1970.
- 2) I have actively pursued various facets of mining exploration for 13 years.
- 3) For the past four years I have conducted numerous magnetic, electromagnetic, geochemical and geological surveys for a variety of mining and consulting companies.
- 4) The information and data for this report was obtained by me from observations made on the property.



J. R. Lucke

June 18, 1987

Affidavit of Expenses:

The field work of grid establishment, geophysical survey, and geological sampling ~~was~~ accomplished on the Mono Mineral Claim, Greenwood Division, B. C. from June 14 to June 16, 1987 to the value of the following:

Field Work: 1 man (J. Lucke) 2 days @ \$150.00.....	300.00
Data Compilation, drafting.....	75.00
Report.....	<del>120.00</del> <sup>3</sup>
Instrument Rental..... (2 days @ 25.00)...	50.00
Assay (Acme Analytical Laboratories) .....	48.50

603.  
\$ ~~593.50~~



# ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

852 East Hastings St., Vancouver, B.C. V6A 1R6

File: 87-1874

Date: JUNE 24 1987

F. J. FLANAGAN  
 R.R. #2  
 GRAND FORKS B.C.  
 VOH 1H0

**TERMS:**  
 NET TWO WEEKS -  
 1½% PER MONTH CHARGED ON  
 OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
6	GEOCHEM AU ASSAY @	4.25	25.50
6	ROCK SAMPLE PREPARATION @	3.00	18.00
			-----
			43.50
	SURCHARGE FOR UNDER 20 SAMPLES PER BATCH		5.00
			-----
	TOTAL		48.50

*[Handwritten Signature]*

PLEASE PAY LAST AMOUNT

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS, VANCOUVER B.C.  
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JUNE 19 1987  
DATE REPORTS MAILED *June 24/87*

### GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.  
Au# - 10 GM,IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

F.J. FLANAGAN FILE# 87-1874

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SAMPLE	Au* ppb
396W 13N	11
330W 15N	25
320W 40N	4
315W 35N	45
313W 40N	45
290W 63N	130

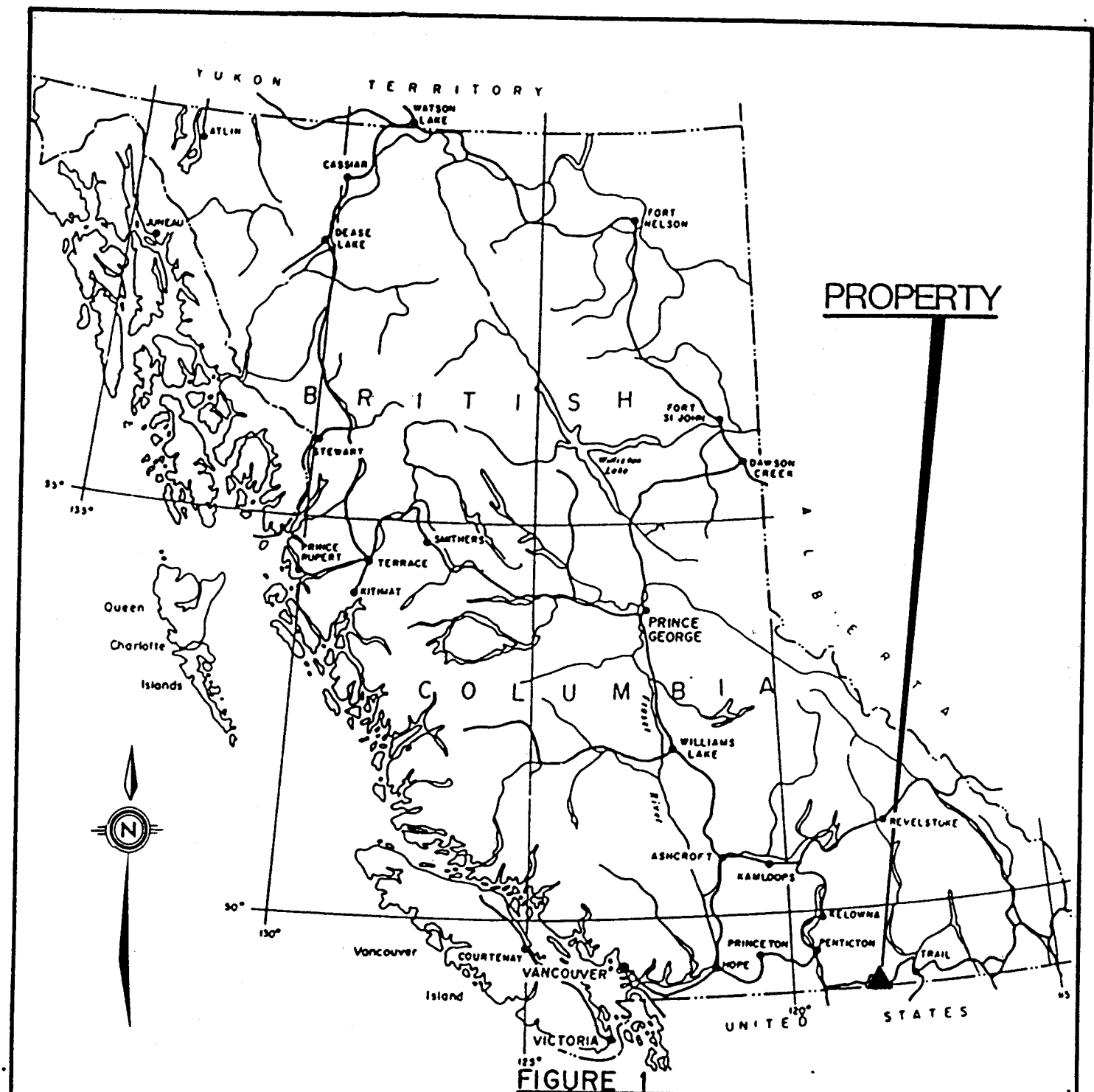


FIGURE 1

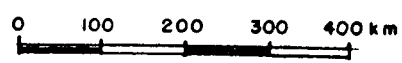
Mono Mineral Claim  
 Location Map

N.T.S. 82 E/1 W

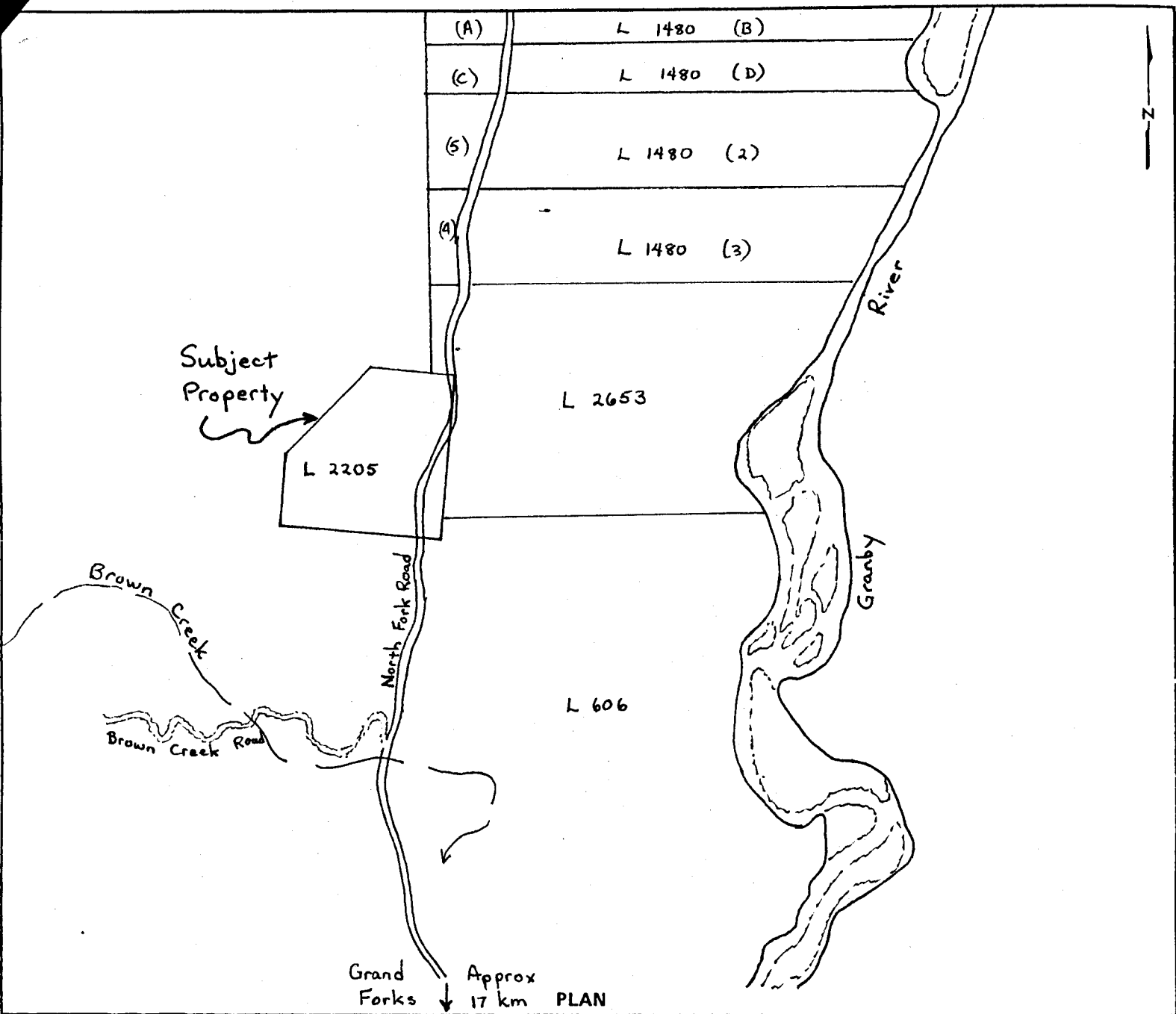
*J. Lucke*

Greenwood M.D., B.C.

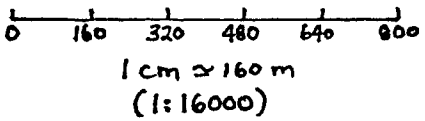
June 1985



Scale - 1:6,300,000

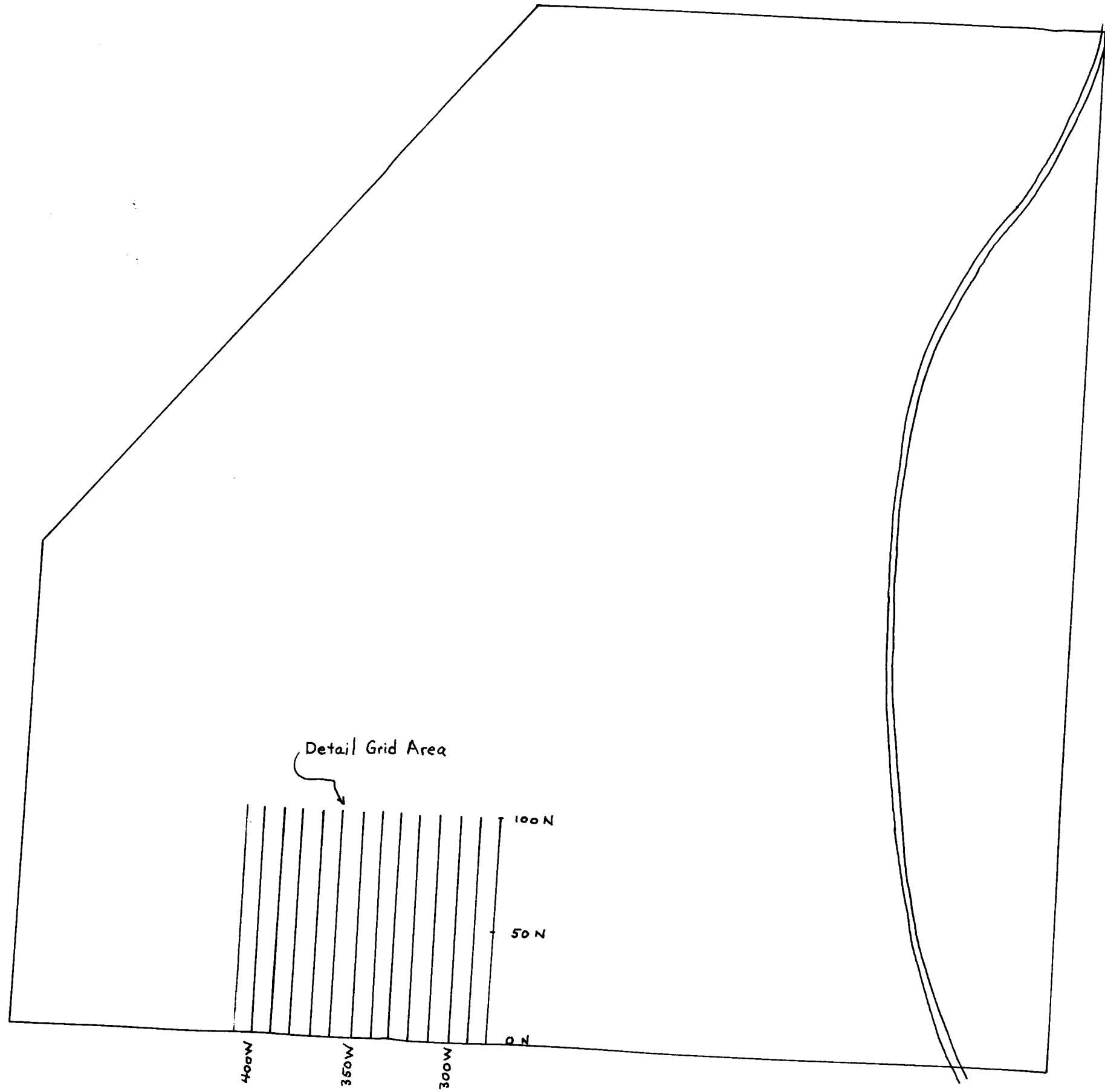


Mono Mineral Claim  
 Claim & Index Map

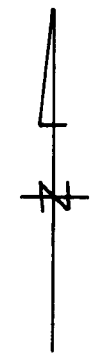


N.T.S. 82 E/1 W  
 Greenwood M.D., B.C.  
 J. Lucke June 1985

Figure 2



Mono Mineral Claim  
Detail Grid Line Location



0 20 40 60 80 100  
1 cm = 20 m  
(1:2000)

North Fork Road

N.T.S. B2 E/1 W Greenwood M.D., B.C.  
Drawn by J. Lucke June 1987

Figure 3

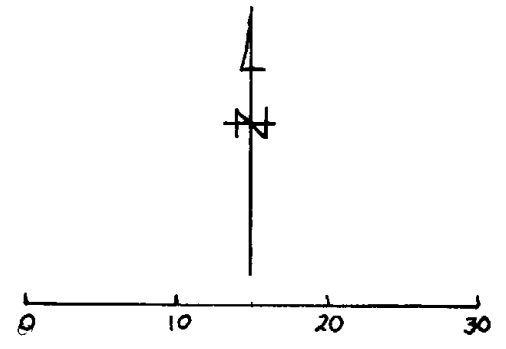
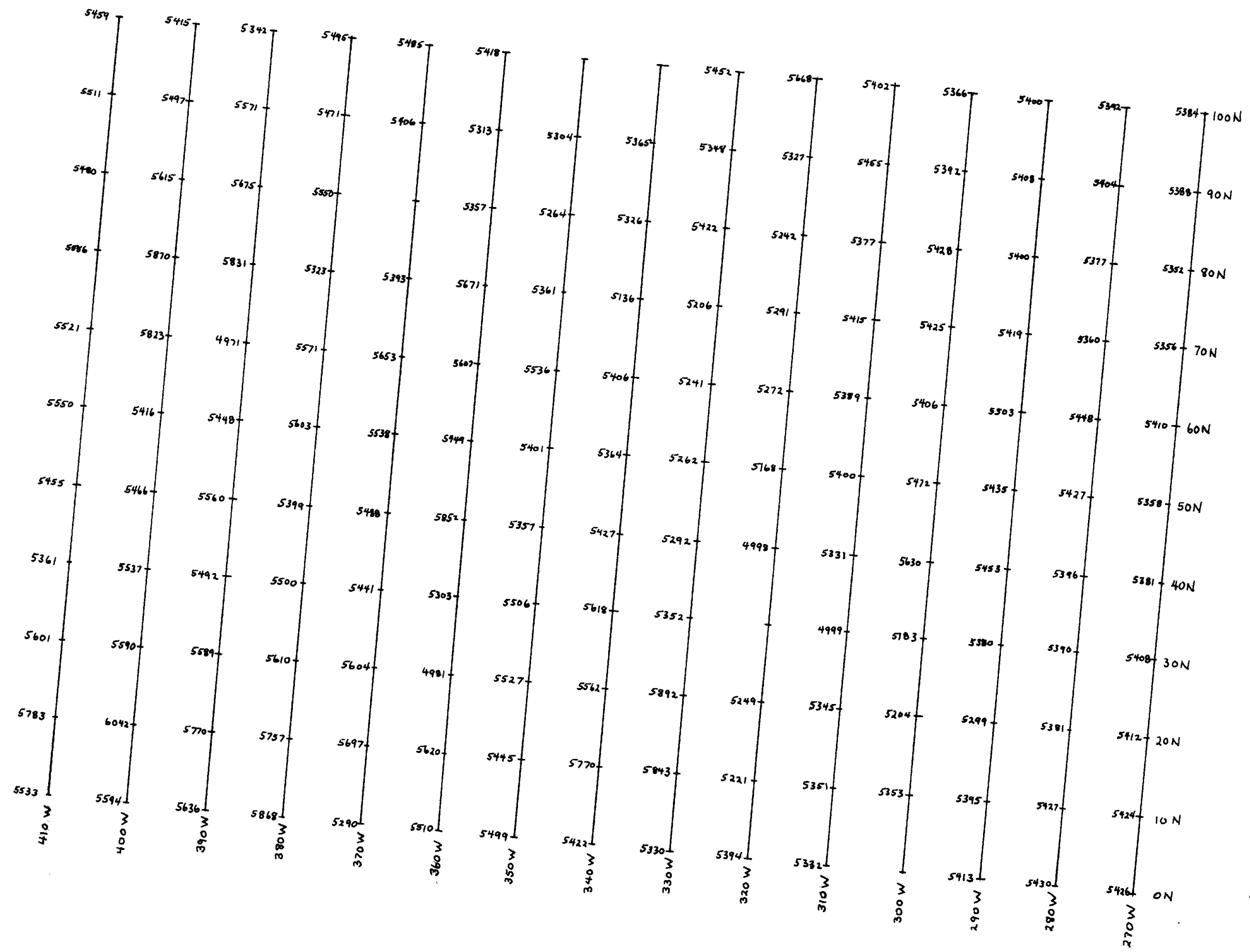
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Mono Mineral Claim  
Detailed Magnetic Survey - Readings



Grid lines & Stations  
showing magnetic readings  
in tens of gammas

N.T.S. B2 E/W Greenwood M.D., B.C.  
Drawn by J. Lucke June 1987

Figure 4

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Mono Mineral Claim  
Detailed Magnetic Survey - Contours



0 10 20 30

1cm = 5m  
(1:500)

-  magnetic contours in tens of gammas
-  Magnetic Peaks
-  Magnetic Depressions

N.T.S. 82 E/1 W Greenwood M.D., B.C.

Drawn by J. Lucke June 1987

Figure 5

