

MAR 19700020: LA BUTTE CREEK

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ROOM 38, HOLLINSWORTH BUILDING

301 - 8TH AVENUE S.W.

CALGARY 2, ALBERTA

ECONOMIC MINERALS

FILE REPORT No.

U-AF-098(2)

September 21st, 1970.

Director of Minerals,
Department of Mines and Minerals,
Government of the Province of Alberta,
EDMONTON, Alberta.

Re: Quartz Mineral Permit No's. 144 and 146

Dear Sir:

I wish to surrender the subject quartz mineral permits and obtain refund of the \$2,000. deposit.

Permit No. 144 was filed on by R. E. Alexander on September 30th, 1969 and transferred to Lariat Oil & Gas Ltd. on April 9th, 1970. Permit No. 146 was filed on by Fiesta Oil and Gas Ltd. on November 10th, 1969 and transferred to Lariat Oil & Gas Ltd. on April 9th, 1970.

Lariat Oil & Gas Ltd. hired G. V. Lloyd Exploration Ltd. to conduct a preliminary survey of the properties during the summer of 1970. This comprised outcrop examination, and a ground magnetometer and geochemical program. The field crew consisted of four men headed by a professional prospector. Two weeks were spent doing the program. No time breakdown has been given me, but it is apparent that the majority of the time was spent on Permit No. 144.

The magnetometer results are shown in the enclosed reports.

The rock specimen taken near magnetometer station BL + 40S on Permit No. 144 is a coarse grained granite comprising mainly pink feldspar and quartz and exhibiting a very faint gneissosity. The chief mafic mineral is chlorite. The rock contains abundant hair line fractures having a hematite stain.

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The geochemical results of the stream sediment samples taken from Permit No. 144 at the locations shown on the enclosed map are as follows: - *(Map No. 1)*

<u>Sample No.</u>	<u>Concentration - ppm</u>				
	<u>Cu</u>	<u>Zn</u>	<u>Pb</u>	<u>Ni</u>	<u>Co</u>
1	13	76	18	25	14
2	12	58	22	25	14
3	18	78	24	31	18
4	14	71	22	27	14
5	14	74	22	27	13
6	12	63	18	21	10
7	12	66	18	21	10
8	16	78	24	29	13
9	22	74	28	35	16
10	14	76	24	27	16
11	20	84	24	31	16

These samples were analysed under the supervision of G. Anselmo, Tri-Con Exploration Surveys Ltd., 1405 Hunter St., North Vancouver, B.C.

The expenditures incurred in the examination amounted to \$5,130.47. I enclose a statutory declaration and a copy of the invoices with supporting receipts from G. V. Lloyd Exploration Ltd. for \$5,094.47. Mr. Anselmo has advised me by telephone that the geochemical analyses will cost \$36.00, but an invoice has not as yet been sent. I have not included our office overhead which I would estimate to be in the order of \$500.00.

I hope this meets with your satisfaction.

Yours truly ✓



Don J. Turner, P. Eng.,
Vice-President & General Manager,
Lariat Oil & Gas Ltd.

Encl.

G. V. LLOYD EXPLORATION LTD.

ALBERTA HAIL INSURANCE BUILDING
703 FIFTH STREET S.W.
CALGARY 2, ALBERTA

PHONE 262-3605
AREA CODE 403

August 25, 1970.

Mr. D. Turner,
Lariat Oil and Gas Ltd.,
38 Hollingsworth Bldg.,
Calgary, Alberta.

Dear Mr. Turner: Re: Geochemical Sampling Program

Attached, herewith is a sketch map showing the sampled localities No. 1 to 11 (inclusive) where stream sediments were collected during our recent ground magnetic survey in the area.

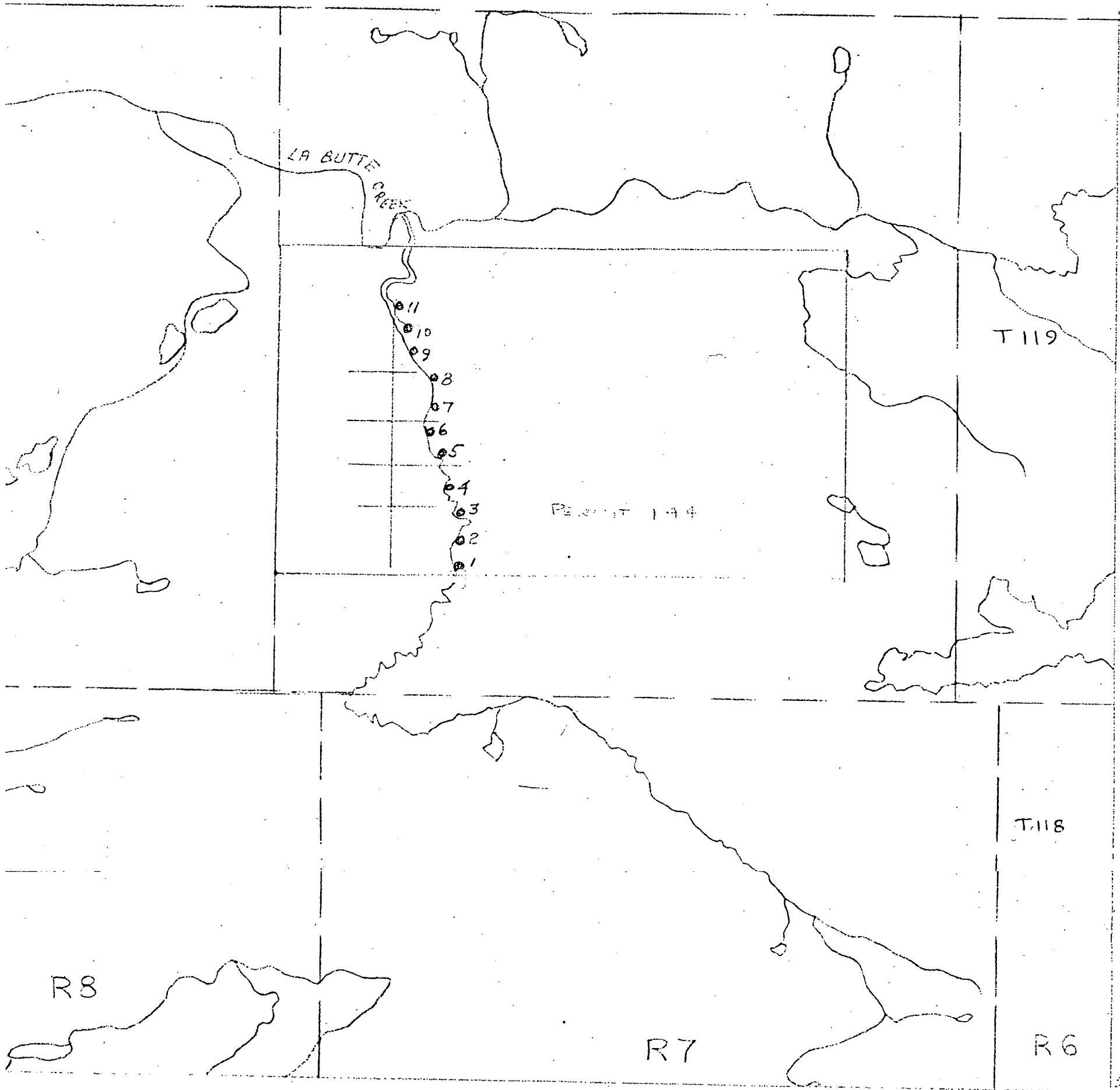
May we have your instructions regarding these samples.

Yours very truly,

G. V. LLOYD EXPLORATION LTD.,


GVL/rp
Encl.

G. V. Lloyd, President.

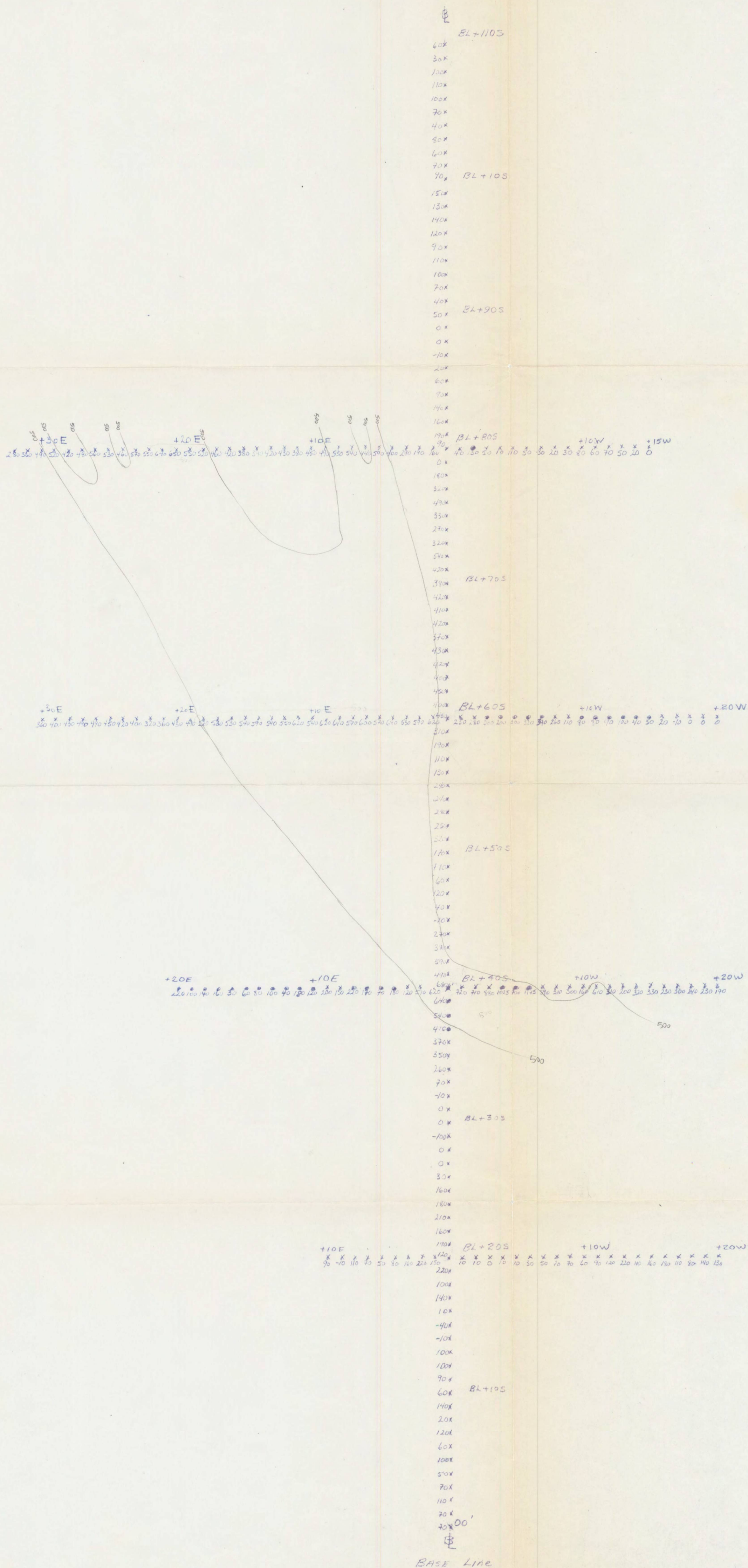
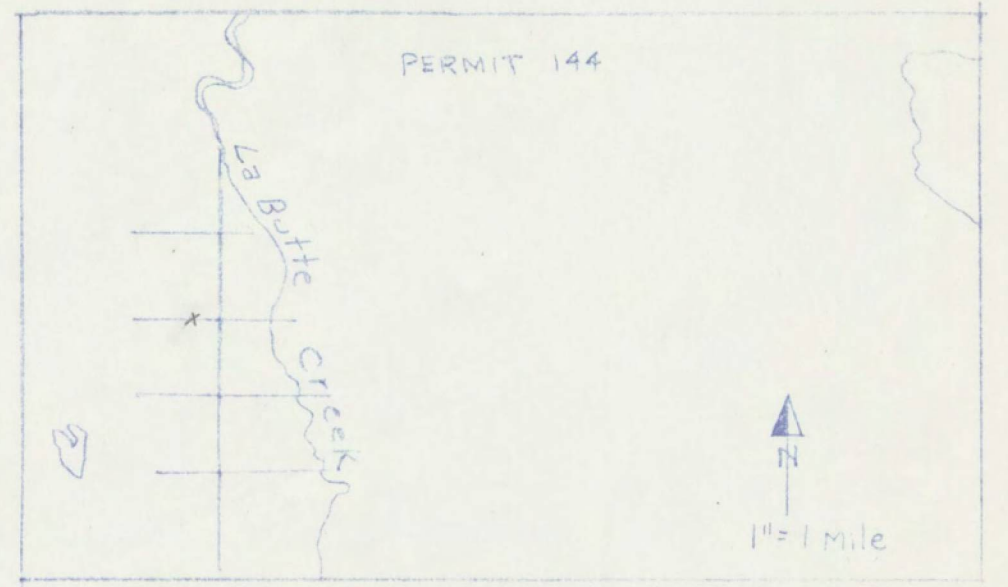


● STREAM SEDIMENT
SAMPLE - JUNE 1970

↑
N
1" = 1 Mile

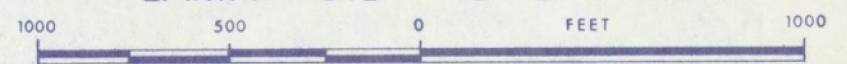
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CALGARY

19700020
Map No. 1 (2)



LEGEND
 Station - x
 Outcrop - •
 Instrument - Sharpe MF-2 Fluxgate
 Magnetic intensities in Gammas

MAP NO. 1 (1)
MAGNETIC INTENSITY MAP
PERMIT NO. 144
LA BUTTE CREEK AREA
ALBERTA
 PREPARED FOR
LARIAT OIL AND GAS LTD.



Values by J. YOUNG Interval _____
 Interpretation by _____ Datum _____
 Drawn by M. TORONTOW Date AUGUST 1970

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 Map No. 1(1)

BASE Line