

TITLE PAGE

- a) General Nature of Report;
Magnetometer Survey.
- b) Claim Involved;
Saturn #01828.
- c) Mining Division;
Omineca.
- d) Specific NTS Location;
Map 1031/16W, N Lat 54° 50', Long W 128° 25'.
- e) Owner of Claim;
L.LeBlond.
- f) Operator of Claim;
L.LeBlond.
- g) Author of Report;
L.LeBlond.
- h) Date Submitted;
August 29, 1985.

FILMED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT****14,538**

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INTRODUCTION

A. Geographic and Physiographic Position

The Saturn #01828 claim is located approximately 48 Kilometers North of Terrace, British Columbia and 5 Kilometers West of Dorreen in the Omineca Mining Division of B.C.

B. Property Defined and Current Owner

The Saturn #01828 claim consists of 20 units which cover Dorreen Mt on which the work done in this report was completed.

The owner of Saturn claim is L. LeBlond, Box 1097, Terrace, B.C.

C. History of Property and Adjoining Claims

The present owner staked the Saturn claim in August 1981. Previous work to this claim as far as is known was work on a mineralized showing on the South end of the property and also an airborne magnetic and VLF survey over the property in 1981. This survey showed anomalies on the property, see assessment report #10,033 at Mines Branch, Smithers, B.C.

Adjoining and on the North boundary is the Saturn 2 claim (owner L. LeBlond) where a ground magnetometer was completed in 1985, this turned up a anomaly in a general North South direction. In 1984 a soil sampling program was carried out in the vicinity of this grid in an effort to pick up mineralized anomalies and on strike to known occurrences, see assessment report July, 1984 at Mines Branch, Smithers, B.C.

The adjoining claims to the South and on strike are the WOMO claims consisting of 30 units, work completed in 1981 by Cominco Ltd consisted of mapping and a sampling program see assessment report at Mines Branch, Smithers B.C. This defined a mineralized area

on that property, striking to the known mineralized showing on the South boundry of Saturn claim.

On the West boundry of this claim are mining leases covering the Dorreen Gold Mine, which shut down in 1952, see Goverment Reports on the mine at Smithers Provincial Bld, Smithers, B.C.

D. Geology of Claims

The prominent feature is Dorreen Mt and a ridge running North, South approximately the center of the claim. Steep slopes run to the East and West. An intrusive mass consisting of biotite granodiorite intrudes into the Bowser sediments, the granodiorite is exposed on the ridges and in some of the creeks on both sides of the ridge. The sediments consist of mudstones and siltstones and in places have above average pyrite content. In places the sediments remain unaltered, but where shearing and fracturing has taken place these are altered. The main faults run approximately N20W but a series of faults cutting the struture running East and West are exposed on the ridge, in the vicinity the sediments have been altered. Some mineralization has been located on the East side of the ridge consisting of massive sulphides, work is continuing on this. Float has been found on the West side of the ridge running in gold, silver and copper located on this survey grid.

E. Object of Work

To locate and map anomolies and mineralized areas.

F. Summary of Work Done and Date Carried Out

The Base Line used on Saturn 2 claim and ended up on the boundry of Saturn was extended a further 450 metres in a South direction where it stopped on a steep dipping creek. This Base Line runs N7°E. East and West lines were run where toporgraphy allowed, every 50 metres and at right angles to the Base Line, East and West lines were marked at 5 metres intervals.

The grid was laid out using compass, altimeter and hip

Due to very steep area's, in places some lines had to be omitted.

This work was performed between July 20th, 1985 to August 27th, 1985.

G. Instrument Used

Was a McPhar M700 Fluxgate Magnetometer, Serial # 7115.

H. Magnetometer Survey

Using the Main Base Station marked on map # 2 at 0+00 the survey was commenced in segments consisting of 4+00 to 2+00W crossover to 2+00W/4+50S up to Base line checking in at MBS before and after. All readings were taken facing East.

I. Results and Interpretation

All results were recorded on grid map # 3 with exposed rock types as shown.

The results were then contoured at 100 metre intervals commencing at 200 gamma's. All negative readings were contoured together.

All readings over 200 gamma's considered anomalies for this survey.

The results show anomalies at 0+00/1+25E where brown stained quartz is barely exposed in a small area thru' the sediments. This has to be drilled and opened up. An area of disconnected ? anomalies, high and lows, West of Base Line between 3+00S to 4+00S and maybe part of it 0+25E on line 4+50S. As this is in the general area of East/West faults ie against the main structure, the "lows" may show these. Mineralised float was found down slope from this area.

Generally the "lows" are on the West side of the "highs" as in previous survey on Saturn 2.

J. Recommendations

More follow up work required.

HISTORICAL PERSPECTIVE

The Saturn #01828 claim was recorded by Leon LeBlond of Box 1097, Terrace B.C. in September 1981. The claim was registered at Smithers, B.C.

Vitae: Three Federal Government prospecting courses in the Northwest Territories; 23 years (summers) prospecting experience in the Northwest Territories and British Columbia, consisting of , staking of claims, exploration of claims for sale, mining of gold from small deposit in Northwest Territories, blasting, diamond drilling, milling, placer mining, diving for gold in British Columbia, successfully completed the 1984, Mineral Exploration Course for Prospectors in B.C.

COST OF WORK

Prospecting area for grid.

Layout of grid, cutting line.

Survey readings taken and plotted.

3.25 Kilometers of line.

1 Man X 35 Days X \$100/Day

=\$3500.00

Cost of Food

=\$350.00

Cost of Transportation

=\$25.00

Cost of Magnetometer

=\$250.00

Cost of Report

=\$300.00

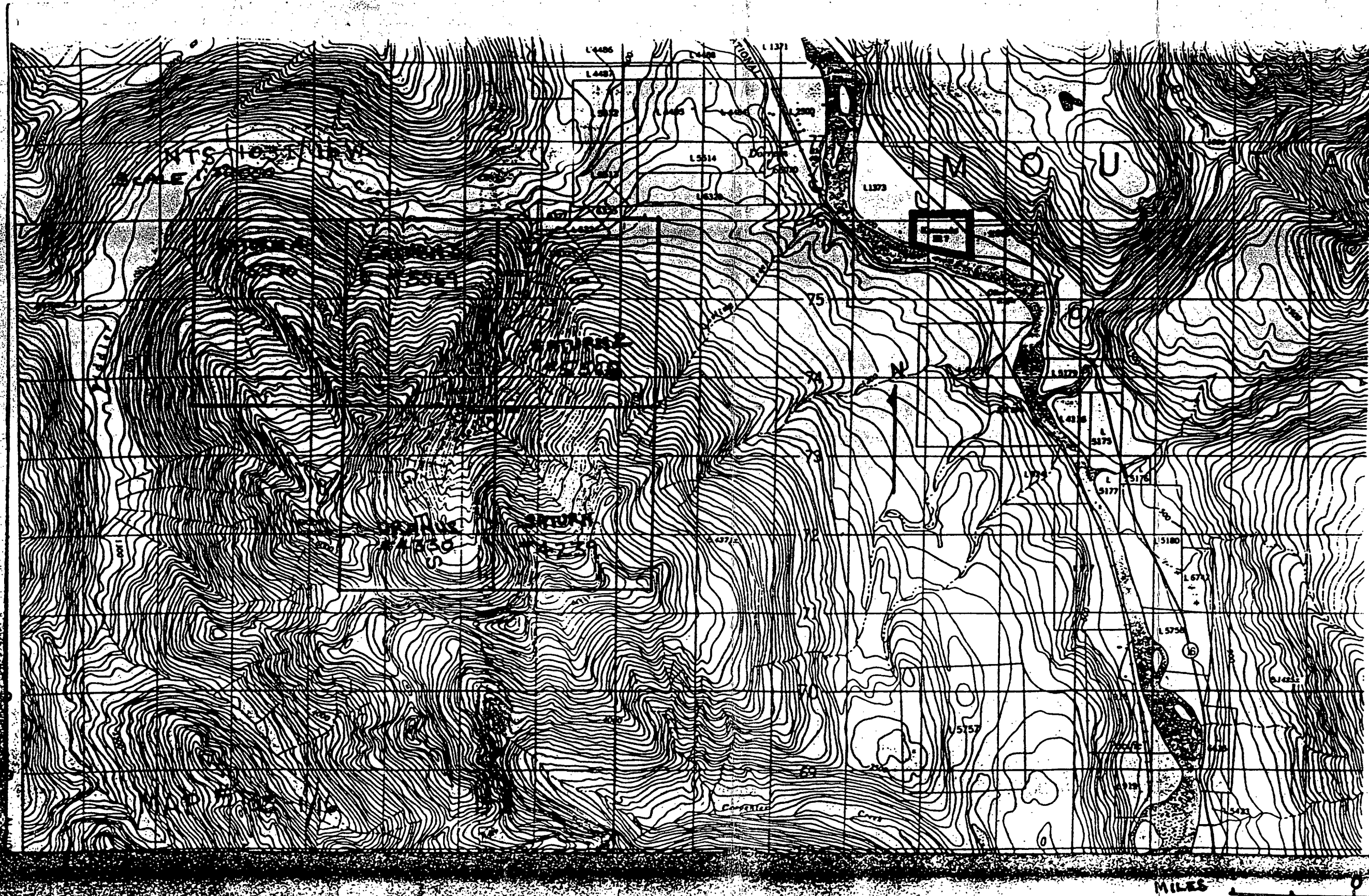
Total =\$4,425.00

Work carried out by ;

L. LeBlond

L. LeBlond, Prospector.

August 29th, 1985.



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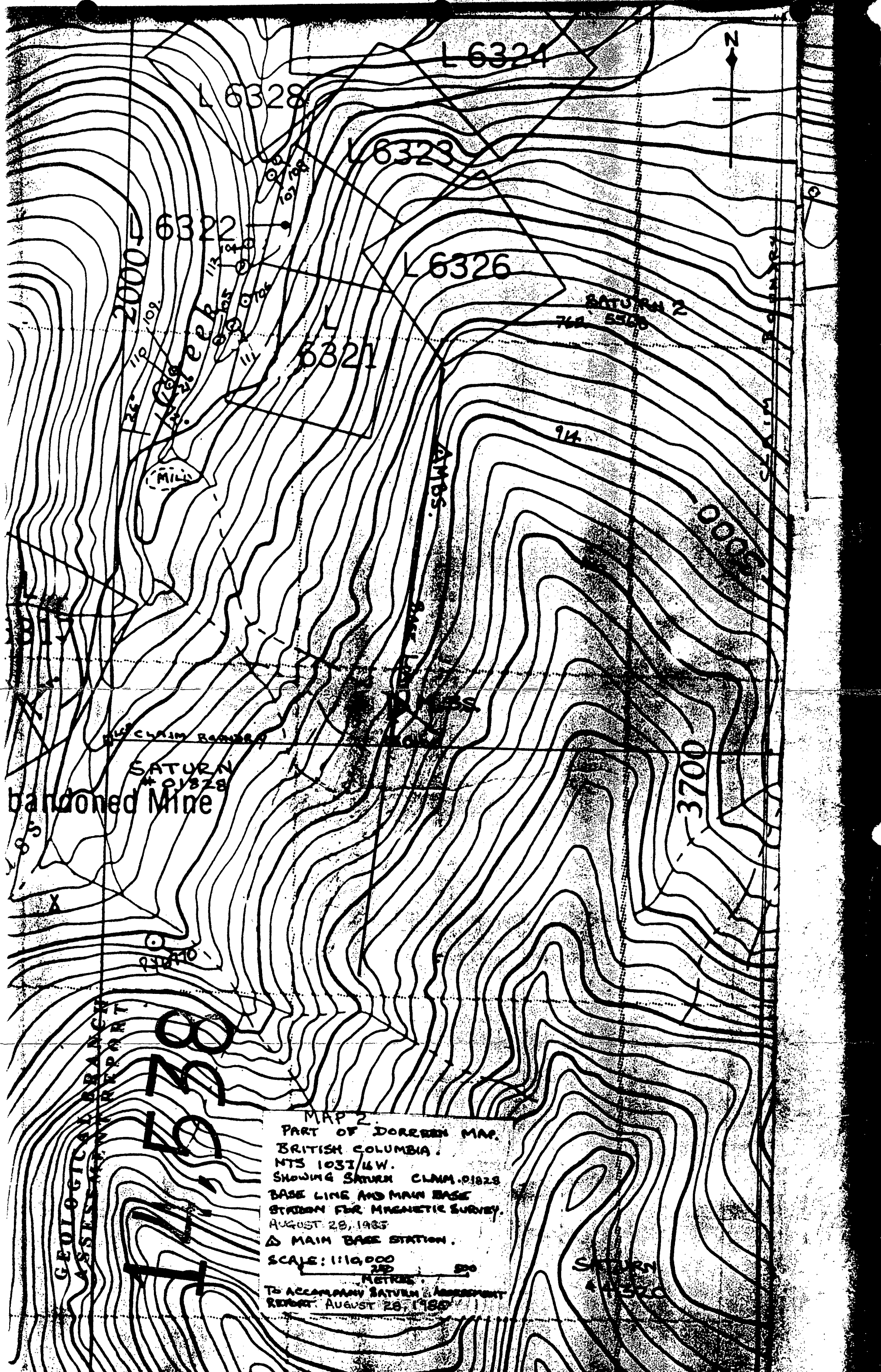


MAP 1

N.T.S. 103-1/16

MAP 1A
SCALE 1:50,000





abandoned Mine

SATURN #01828

SATURN 2

AMBS

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MAP 2
PART OF DORRICH MAP.
BRITISH COLUMBIA,
NTS 1031/14W.
SHOWING SATURN CLAIM #01828
BASE LINE AND MAIN BASE
STATION FOR MAGNETIC SURVEY.
AUGUST 28, 1985
△ MAIN BASE STATION.
SCALE: 1:119,000
METRES
TO ACCOMPANY SATURN ASSESSMENT
REPORT, AUGUST 28, 1985

SATURN #01828

MAGNETIC SURVEY ON SATURN CLAIM.

NR DORREEN, ONINECA DIV.
 NTS 1031/16W.
 LAT 54° 50' N. LONG 128° 25' W.

○ ROCK OUTCROPS.
 ○ GAMMA LOWS.

SCALE: - METRES
 0 25 50

DRAWN BY L. LEBLOND.
 TO ACCOMPANY ASSESSMENT
 REPORT ON SATURN CLAIM.
 DATED AUG 28TH 1985.

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