

ROUTING MEMO

FROM

E. O. Chisholm

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Exploration Dept.

To		Initials
✓	DR. A. E. AHO	<i>[Signature]</i>
	R. V. MARKHAM	
	RAYMOND L. DEPROY	
	ALAN KULAN	
✓	R. E. GORDON DAVIS	<i>[Signature]</i>
	GORDON ALLAN	
	E. O. CHISHOLM	
	JOHN BROCK	

012749

FROM

E. O. Chisholm

DEPARTMENT

Vancouver, B. C.

DATE

August 1, 1967.

SUBJECT

Dr. A. E. Aho

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MESSAGE

Enclosed find copy of an examination of properties and magnetic anomalies north of Mayo, Y. T., by T. L. Sadlier-Brown.

The only thing of interest was a discovery by Jake Hundere in the vicinity of Elliott Creek of some brittle cross fibre asbestos in peridotite host rock. The grade of the asbestos would be in the order of 10% with veins up to 1/2" but the asbestos itself was quite brittle. The exposure was quite small and in the order of a few feet only and was covered by overburden. Since they only spent a few hours in the vicinity, it would appear that further investigation is necessary at some later date.

① N/O Further investigation of these

② Strebchuck properties not interesting - know both of them myself.

③ Asbestos common in Beaver River district, many with high Zn, but due to low Ag content in most of area, would not be of immediate interest unless large replacement type deposit, large tonnage, were

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SPEEDY MEMO

TO REPLY

WRITE REPLY. SNAP SET. RETAIN WHITE ORIGINAL AND RETURN PINK COPY

An Examination of Properties and Magnetic  
Anomalies North of Mayo, Yukon Territory.

by T.L. Sadlier-Brown

July 1967

# ATLAS EXPLORATIONS LIMITED

(N.P.L.)

BOX 3050

WHITEHORSE, YUKON TERRITORY

## EXAMINATION OF PROPERTIES AND MAGNETIC ANOMALIES

NORTH OF MAYO, Y. T.

T. L. Sadlier-Brown

On July 2nd, 1967 T. L. Sadlier-Brown, accompanied by J. Hundere, drove to Mayo for the purpose of determining the cause of several magnetic anomalies in the Beaver River area north of Mayo and to examine a mining property held by J. Strebchuck.

Strebchuck's property was visited on July 3rd and the examination of the magnetic anomalies was carried out from a base camp on Elliot Lake on July 4th, 5th, 6th, and 7th.

### The Silver Spring Claims

About  $\frac{1}{2}$  mile east of the north end of Hanson Lake on the west slope of Forbes Hill, John Strebchuck has located 12 claims called the Silver and Spring groups. The property is accessible by a good gravel road leading from the Mayo-Keno highway, at a point just north of Elsa, to McQuesten Lake.

At the base of Forbes Hill, and at its western extremity, is a bog in which a limonite deposit occurs. This gossan was the basis for the location of the claim groups. Strebchuck reports that material from it gave good assays in gold and silver but that it was not run for anything else. The limonite occurs as an earthy deposit, as nodules, or as the cement in an agglomerate. It is presently being

deposited from springs in the mountainside.

Limonite from the nodules at a point near the spring ran Cu-26 PPM, Pb-21 PPM, Zn-560 PPM, and Ag-ND, while a general sample of the gossan ran Cu-32, Pb-8, An-470, Ag-ND. An identical sample (A-0101) is being tested for Au at the Whitehorse Laboratory.

Strebchuck has done some caterpillar stripping on the mountainside above the gossan in a futile attempt to locate its source. A swath about 300 feet long in an east-west direction and 150 feet NS has been plowed through the buckbrush and scrub timber on the hill but only a little dark grey phyllite was exposed and this has now been concealed by slumping.

Material from the base of the stripped area was sampled and gave Cu-27, Pb-ND, Zn-52, Ag-ND. Undisturbed soil from near the stripped area was also sampled with the following results: Cu-33, Pb-ND, Zn-54, Ag-ND. Limonite cement from the gossan gave the following results in parts per million: Cu-112, Pb-20, Zn-580, Ag-ND.

The results indicate high zinc and one high copper in the limonite, marginal copper in the soils and the purest samples of limonite, low zinc in soils and no interesting values of lead or silver anywhere.

As there is no showing on the property and geochemical results are not high enough to indicate the definite presence of mineralization, no further work is felt warranted for the present. The high zinc values, however, are interesting in that they resemble those taken from another gossan sampled at Police Creek (See page 4 this report) in an area where some further work seems to be justified. Should this uncover any mineralization of interest, Strebchuck's property should be kept in mind.

Strebchuck is willing to allow a free reconnaissance geochem and geophysical survey after which a definite decision could be made as to whether or not an option agreement should be drawn up. He would probably be reasonable to deal with on this property but suggested an initial payment of \$1000 which in view of what is presently known about the property, and what is likely to be found from a recce survey, may be high.

At the junction of the Mayo-Keno and South McQuesten roads is another group of claims upon which Strebchuck has done some work. They contain several veins of lead silver running, according to Strebchuck, at 200 to 300 oz. of Ag. to the ton. Three parallel veins were seen in a trench near the prospector's cabin. These contain massive galena over widths of 6 inches to a foot and occurred in an area exposed for about 12 feet across their strike.

The property is presently tied up by litigation, however, and for this reason no time was spent on it. No work is recommended until its title has been cleared at which time Strebchuck, if he wins, may present it for appraisal.

#### Police Creek Area

##### Magnetic Anomaly

Several linear aeromagnetic anomalies occur along the front of the Ogilvie mountains parallel to the valley of the Beaver River and its tributary, Police Creek. These line up to form an almost continuous magnetic high from a point 3 miles south of Brain Creek to Police Creek about 5 miles west of Elliot Lake.

Access to the anomaly was gained by flying to Elliot Lake from Mayo and walking from there to Police Creek from where both the magnetic anomaly and a large gossan on the mountainside north of the creek are accessible.

The magnetic high on the ridge between Police Creek and McLean Creek to the south was found to be coincident with a serpentinized and steatized ultrabasic body in which a small amount of asbestos occurs. This body intrudes the shales and phyllites of unit 3 (GSC Map 15 - 1962, Nash Creek) and may be a sill.

The asbestos occurs in an outcrop near the western extremity of the magnetic high and is somewhat brittle although this may be the result of weathering. Asbestos was seen only over an area of five or six square feet at the end of a small outcrop but exposure here is limited. Ultrabasic rocks outcrop further up the slope and to the east but no asbestos was found in them.

Prospecting of the magnetic belt using the government aero-mag maps (106-D-5, 6, 7, and 2) as a guide has a good chance of turning up additional and possibly more extensive asbestos mineralization.

#### Police Creek Gossan

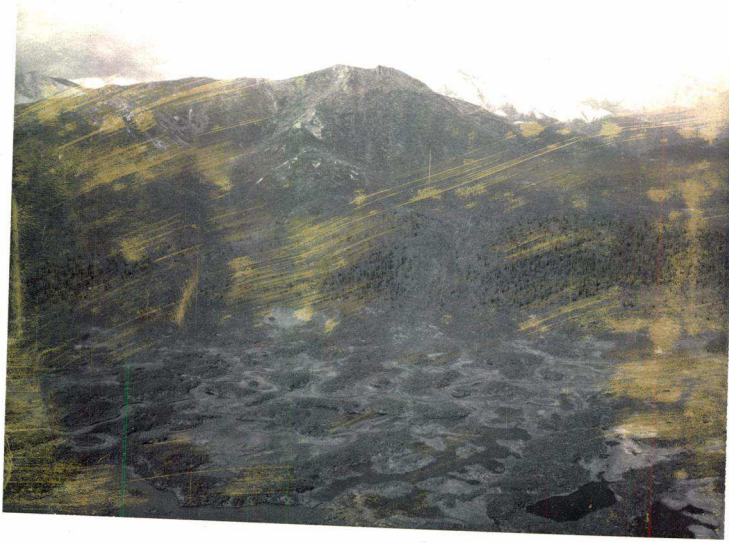
On the north side of Police Creek six miles below the small lake at its head and 4 miles south of Elliot Lake is a large barren limonite gossan. It has been deposited by springs or seeps near the base of the peak immediately to its north. It is composed primarily of earthy limonite although some semi-consolidated material is also present.

Geochemical results in parts per million for two samples of the limonite are as follows:

Cu	Pb	Zn	Ag
3	12	<u>930</u>	ND
6	ND	<u>615</u>	ND

These results suggest the presence of some zinc mineralization in the vicinity and if crews are in the area further geochemical work and prospecting should be done here.

Limestone occurs in the mountains immediately north of the gossan and the presence of a skarn deposit should not be overlooked.



Zinc bearing gossan in valley of Police Creek,  
Beaver River area, Y.T. (Gossan at base of Mountain  
left of centre). Note poor nature of drainage in  
creek valley.



LAKE

76 77 78 79 80 81 82 83 84 85 86

3200

ROAD

FORBES HILL

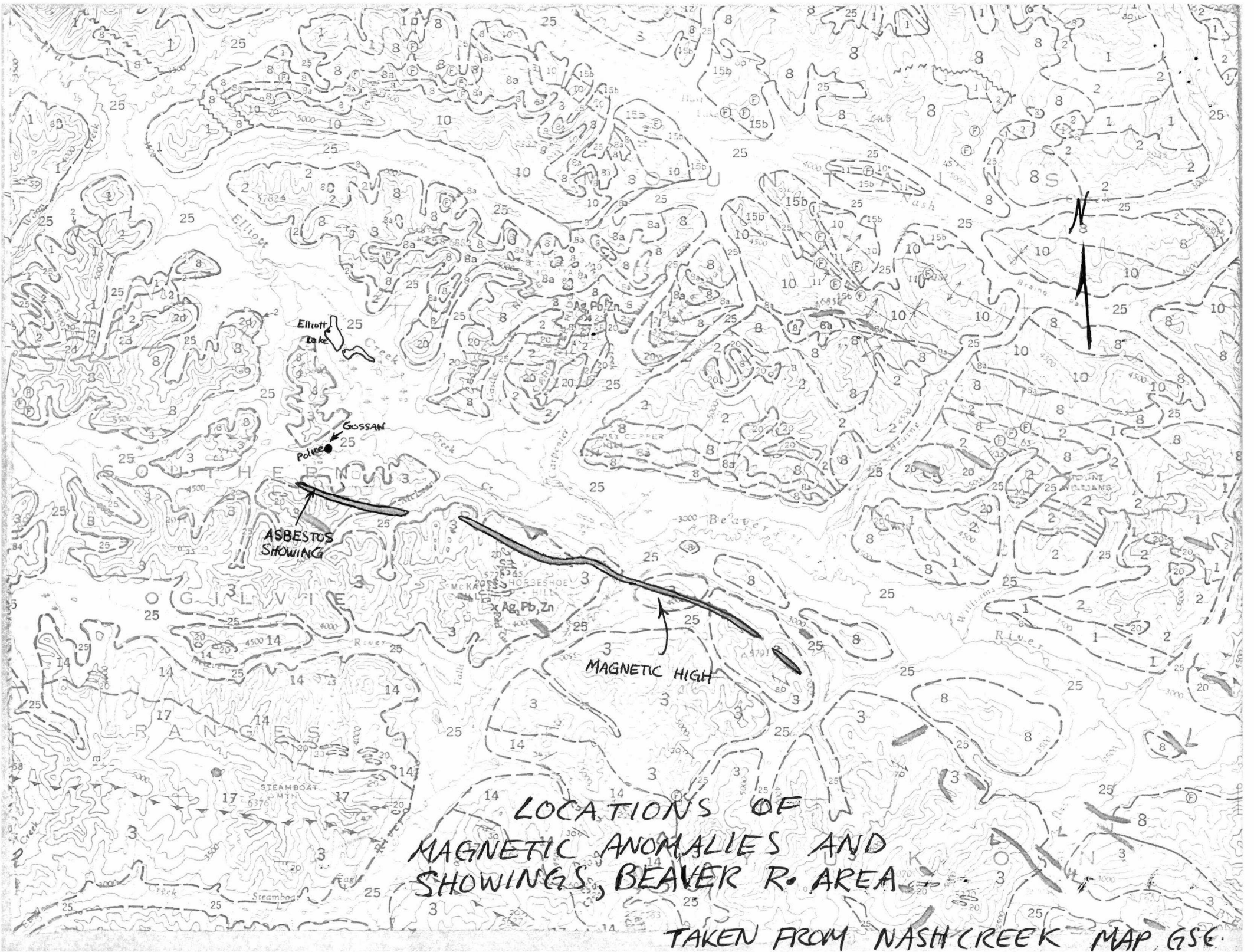
STRECHUCK GOSSAN

MAGNETIC

SHEET  
106-D3

LAKE

1958





Scale 1" = 1 mile

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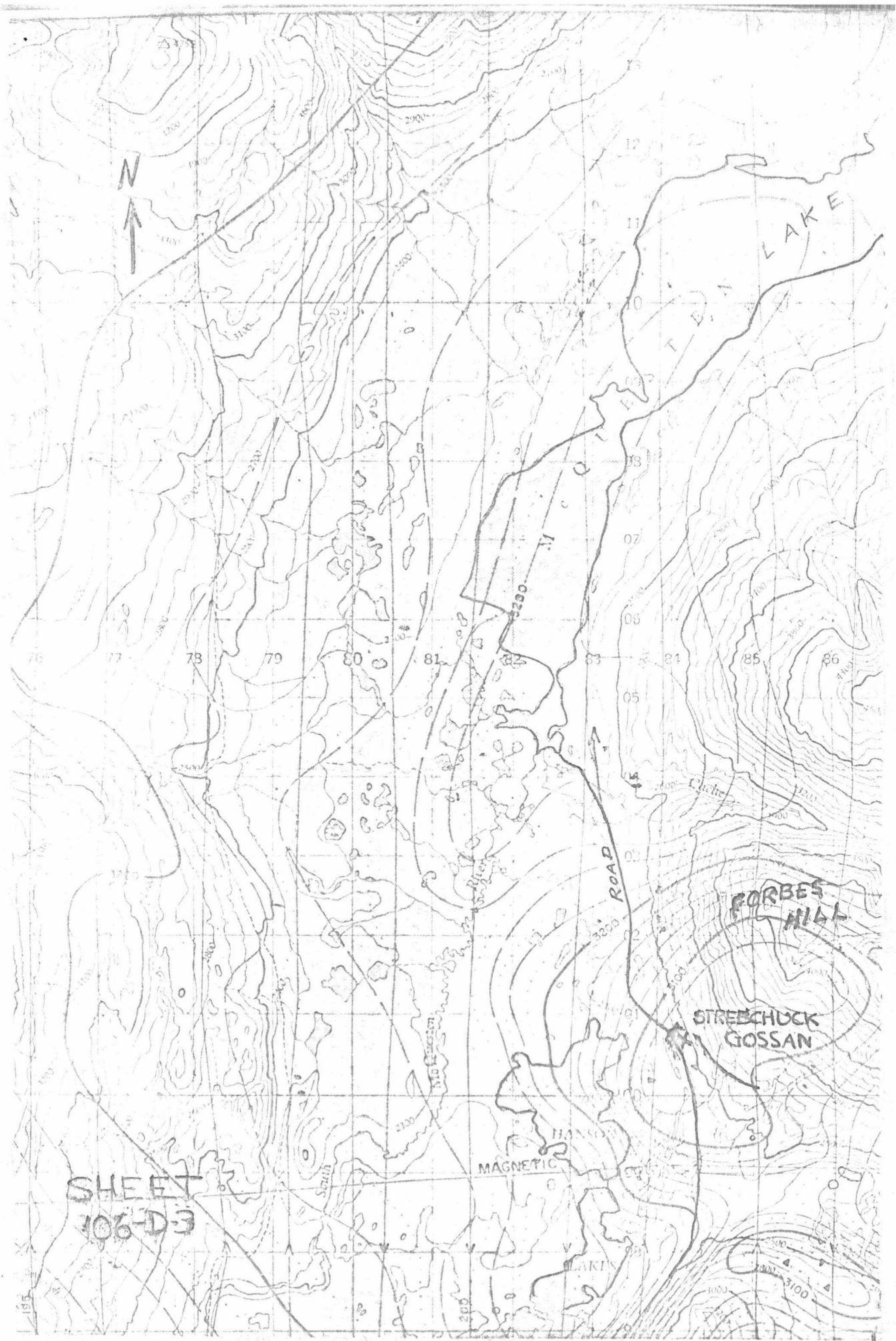
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SHEET  
106-D-3

FORBES  
HILL

STEECHUCK  
GOSSAN

MAGNETIC

HANS

AKIN

GOLF

Cliche

ROAD



POLICE CREEK AREA (from AeroMag sheet 3373 G, 106-D-5)



Scale 1" = 1 mile