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VANCOUVER, B.C.

GEOPHYSICAL & PROSPECTING

on the

GOAT 2 AND GOAT 3
(SUMMIT PROPERTY)

NELSON MINING DIVISION, BRITISH COLUMBIA

NTS M82F/6E

LAT 49° 21'N

LONG 117° 00'W

for

NUGGET MINES LTD.
#704-850 W. Hastings St.,
Vancouver, B. C. V6C 1E1

by

S. A. ENDERSBY, P. Eng., (B.C.)

October 23, 1990

Vancouver, B. C.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,397

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INTRODUCTION

The Goat 2 and Goat 3 claims are situated in the Ymir gold-silver camp and are on the divide between Huckleberry and Clearwater Creeks about 8 kilometres northeast of Ymir.

Two veins are known in the property at the present time. The Summit veins has been developed by about 100 metres of underground workings in two adits, a shaft and several open cuts. The Elise vein has been developed by about 150 metres of underground workings in one adit, a shaft and open cuts. Both veins contain low grade gold and silver values.

Further sampling and self-potential surveying and prospecting were done on the property during July and August of 1990 and this report summarizes the results of that work.

RECOMMENDATIONS

Further self-potential and VLF-EM work should be done adjacent to the known vein structures to determine the nature of the response. Further soil sampling, VLF-EM surveys and geological mapping should be done to expand on previous work which has been done.

LOCATION, ACCESS, PHYSIOGRAPHY

The claims are situated 8 kilometres northeast of Ymir and 18 kilometres southeast of Nelson (figure 1). Access from the Nelson-Salmo highway is by logging road up Clearwater Creek to the northeast corner of the claims or by Wildhorse Creek and Huckleberry Creek to the south part of the claims. They can be reached by 4 wheel drive vehicle.



NUGGET MINES LTD.
LOCATION MAP
 SUMMIT PROPERTY

82 F/6

Nelson Mining Division - British Columbia

Qua L.

4426 (9)
55x2W

EUPHRATES
3964(12)
45x3E

FORMERLY
3964(12)

REDUCED
88 DEC 64

SITE 3
4837 (9)
3N X 6E

PENDANT 3
4392 (8)
35x5W

PENDANT 2
4391 (8)
35x5W

PENDANT 1
4390 (8)
35x5W

Belle
3369 (8)
2N X 2E

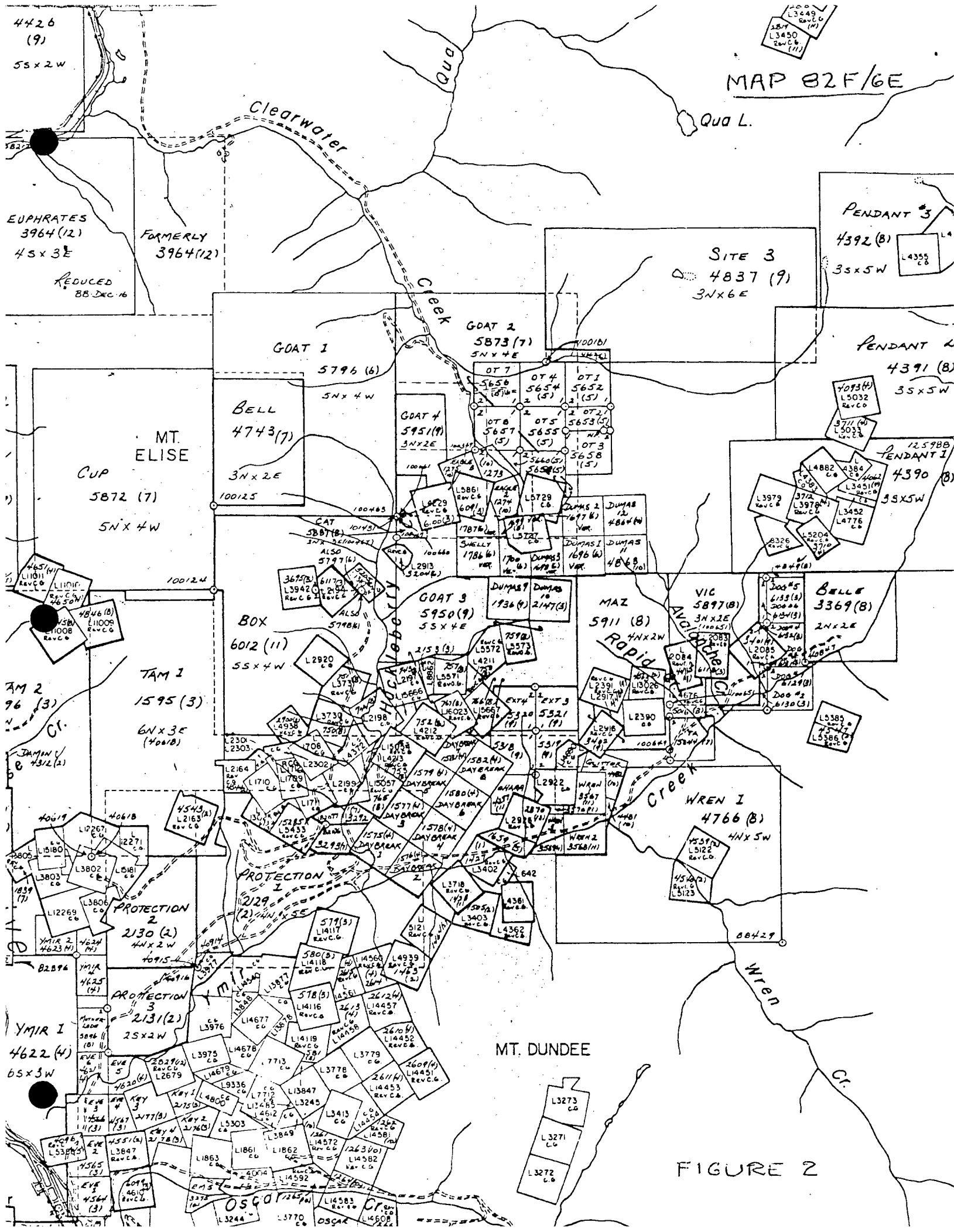
MAZ
5911 (8)
4N X 2W

ROPID
5911 (8)

WREN I
4766 (8)
4N X 5W

MT. DUNDEE

FIGURE 2



The property lies at elevations ranging from 1200 to 1700 metres. The property is moderately steep and is timbered with cedar, fir, hemlock, larch and thick underbrush.

CLAIM DATA

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Anniv. Date</u>
Goat 2	5873	9	July 26
Goat 3	5950	20	Sept. 15

HISTORY

The Ymir district has been a productive gold mining camp in the past, with several significant producers such as the Dundee, Wilcox, Ymir and Yankee Girl mines.

In the period 1984 to 1988 soil sampling was conducted on the Summit group of claims which included the area encompassed by the Goat 2 and Goat 3. In 1986 G. Allen and D. Endersby established a more extensive geochemical grid in the vicinity of the Summit workings, which indicated moderately anomalous values in zinc, lead, silver and gold associated with vein projections. In 1988 J. Murray extended this to the northeast and in 1989 D. G. Allen did some self-potential surveying on the Eagle claims, which now comprise the northeasterly part of the Goat 2 claim.

GEOLOGY

A. Regional

The Ymir camp lies on the western flank of the Kootenay arc. The area is underlain by Permian to Lower Jurassic argillites, slates and phyllites of the Ymir Group, intruded by dikes and tongues of the Upper

Jurassic/Lower Cretaceous Nelson Intrusives.

Ore deposits in the Ymir gold camp occur in sulphide rich, quartz filled fissure veins. Ore shoots are commonly associated with intersections of quartz veins with faults or dikes.

B. Local

Overburden is extensive in the Summit claim area. Argillites and phyllites, steeply dipping and striking north-easterly underlie the claims. The Summit veins are fissure type quartz veins up to 4 m wide. Gold values are negligible in the zones that have been explored.

SURVEY RESULTS

A total of 630 metres of line were run and surveyed for self potential. Copper sulfate electrodes were used with a digital readout millivoltmeter that had a 10 megohm internal resistance. Readings were taken at 10 meter intervals on six lines radiating from point "A" in north, northeast, east, southeast, south and west directions. The location of the survey pattern was approximately in line with the southwesterly projection of the Summit vein. As detailed in Figure 4, strong negative readings were found on the easterly and southeasterly legs of the radiating pattern. Some self potential survey lines run in 1989 in the northeast part of what is now the Goat 2 claim showed fairly uniform results along the lines, which is in sharp contrast to the strong results at the location which is the subject of this report.

Some prospecting work was also done on the Goat 2 claim to follow up on fairly abundant what appeared to be vein quartz float in and adjacent to a stream bed on the Goat 2 claim. Apart from Sample 31339, which showed

NTS MAP
E2F/6E

SWAMPER
(REC. NO. 6357)

GOAT # 2
(REC. NO. 5873)

Sample 31339-AU-.011
Ag-.03

Sample 31340
AU-.001
Ag-.01

SUMMIT
L.4229

PORTAL
SUMMIT
VEIN

64570 100369
101431 100260

AREA OF SELF POTENTIAL
SURVEY. SEE FIG. 4 FOR
DETAIL

GOAT # 3
(REC. NO. 5950)

BOX
(REC. NO. 6012)

EMA
L.2913

YMIR (1211M)

ELISE
VEIN

PORTAL

HUCKLEBERRY CR

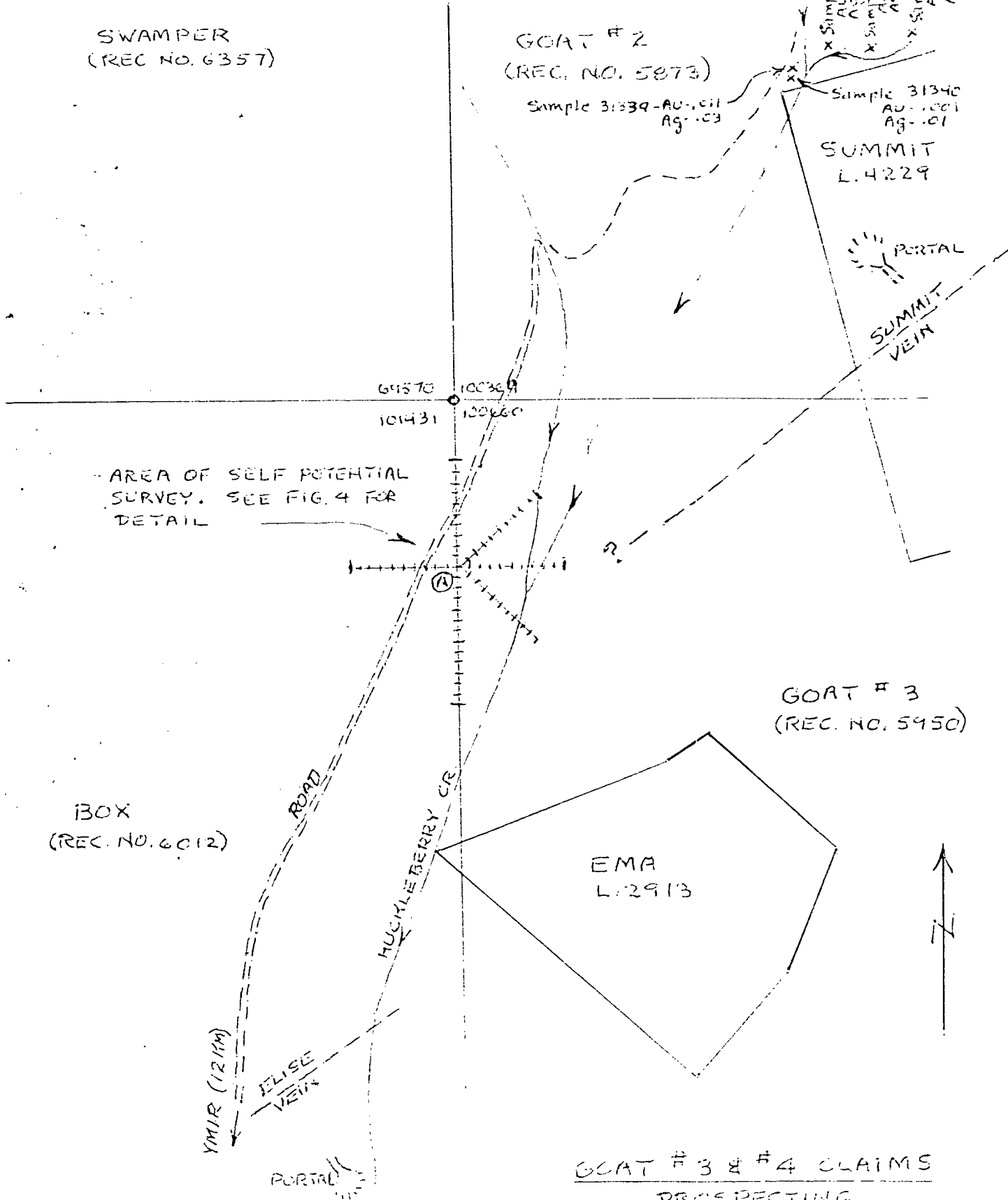
GOAT # 3 & # 4 CLAIMS

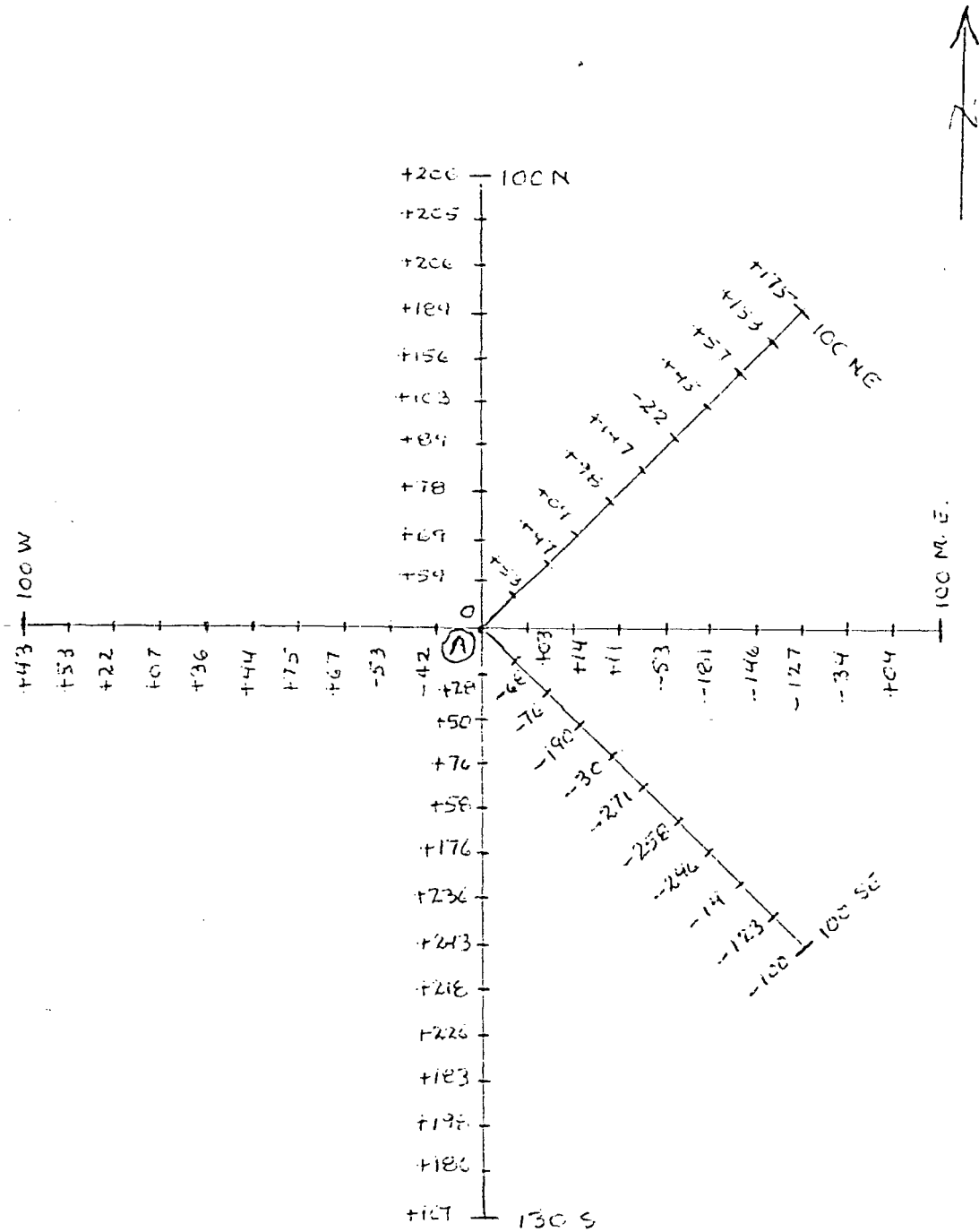
PROSPECTING

SELF POTENTIAL SURVEY

SCALE 1:5000

FIGURE 3





.011 ounces per ton gold and .03 ounces per ton silver, the values were negative.

CONCLUSION

The self potential survey revealed strong negative values on the easterly and southeasterly legs of the survey pattern, which is roughly along the southwesterly projection of the Summit vein. These should be followed up by a more detailed and extensive grid, and other methods such as VLF-EM and geochem sampling should cover the same area.

REFERENCES

Murray, J. (1988). "Summit Property, Ymir".

Allen, G. (1986). Geochemical Survey Report on the Summit Property.

Little, H. W. (1964). GSC Map 1144A "Ymir".

Allen, D. G. "Geophysical Report on the Eagle 1, 2 and 3 Claims
(Summit Property)". December 22, 1989

AFFIDAVIT OF EXPENSES

This will certify that prospecting and self potential surveying was carried out between July 23rd and August 31st, 1990 on the Goat #2 and Goat #3 claims in the Ymir area of the Nelson Mining Division to the value of the following:

Labour - 8 man days @ \$200/day	\$1600.00
Pick-up rental 4 days @ \$35/day	140.00
Mileage - 712 km. @ \$0.20/km	142.00
S.P. rental	75.00
Assaying	83.00
Materials, flagging, etc.	50.00
Telephone	15.00
Report preparation	600.00
	<hr/>
	\$2705.00

October 23, 1990


Stan A. Endersby, P. Eng.

CERTIFICATE

I Stan.A. Endersby, certify that;

- 1.) I am a graduate of the University of British Columbia in Chemical Engineering (B.A.Sc. 1954) Also I have an M.Sc. 1965.
- 2.) I am a member in good standing of the Association of Professional Engineers of B. C.
- 3.) This report is based on fieldwork carried out by Mr. Fred Critchlow and Mr. Dennis Llewellyn during July and August of 1990 on the Goat2 and Goat 3 claims. The work was supervised by myself.
- 4.) I have an interest in the claims.

October 23, 1990
Vancouver, B. C.


Stan A. Endersby, P. ENG. (B.C.)

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph: (604)299-6910 Fax: 299-6252

CERTIFICATE OF ANALYSIS

TO : NUGGET MINES LTD.
501-850 W. HASTINGS ST
VANCOUVER, B.C.
PROJECT : MINE.
TYPE OF ANALYSIS : ASSAY

CERTIFICATE # : 90328
INVOICE # : 10465
DATE ENTERED : 90-08-08
FILE NAME : NUG90328
PAGE # : 1

FRE FIX	SAMPLE NAME	oz/t	
		Au	Ag
A	31335	0.001	0.01
A	31336	0.001	0.35
A	31337	0.001	0.64
A	31338	0.001	0.02
A	31339	0.011	0.03
A	31340	0.001	0.01
A	31341	0.001	0.01
A	31342	0.001	0.01
A	31343	0.001	0.01

CERTIFIED BY :

