

82-#131 - 10186

PROSPECTING REPORT

on the

CQ # 1 MINERAL CLAIM

Record No: 1000(2)

NICOLA MINING DIVISION

NTS M92 I 2W

Lat. $50^{\circ} 08' N.$ Long. $120^{\circ} 48' W.$

4 km. NNW of Merritt B.C.

for

PINE VALLEY EXPLORERS LTD. (NP.L.)

P.O. Box 441 Merritt B.C.

(Owner-Operator)

by

Don Faulkner

Merritt B.C.

February 28, 1982

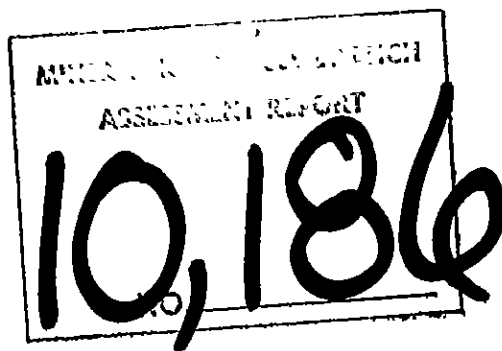


TABLE OF CONTENTS

INTRODUCTION	. . . .	Page 1
PROPERTY	. . . .	1
LOCATION AND ACCESS	. . . .	1
REGIONAL GEOLOGY	. . . .	1
ECONOMIC GEOLOGY	. . . .	2
RECENT WORK	. . . .	2
CONCLUSIONS	. . . .	3
RECOMMENDATIONS	. . . .	3
APPENDIX 1	Cost Summary	4
APPENDIX 2	Writers Certificate	5
Figure 1	Location & Access	
Figure 2	Preliminary Local Geology	
Figure 3	Airborne Magnetic Survey	

INTRODUCTION

The following report on the CQ #1 Mineral Claim has been prepared for the owner-operator, Pine Valley Explorers Ltd. by Don Faulkner of Merritt B.C., who is president and general manager of the Company. It describes a magnetite iron-copper prospect occurring immediately north-northwest of the city of Merritt on the crest of the ridge east of I.R. No. 1.

The work described was carried out between October 25 and November 17, 1981.

PROPERTY

The property is held in good standing by the Company under Record number 1000(2) anniversary date February 23, 1982 and consists of the CQ # 1 Mineral Claim of 18 units staked 3 units westerly and 6 units southerly from the legal corner post at Grid Reference 575579 NTS 92I/2W

LOCATION AND ACCESS

The CQ claim is located in south central British Columbia on the crest of the ridge 4 km NNW of the city of Merritt immediately adjacent to the eastern boundary of Indian Reserve number 1. Access can be gained by a circuitous route of 12 km by way of an old logging road which traverses the valley of Jesse Creek from 2 km. north of Highway # 3 on the Logan Lake road to a turnoff from Highway #5 about 4 km. northeasterly from Merritt. The most convenient access is via the lookout road above the city of Merritt reservoir and thence by foot 2 kilometers to the middle of the claim.

Elevation of the property ranges between 800 to 1300 metres. The climate is moderate with annual precipitation of approximately 30 cm. The area is sparsely forested with scattered yellow pine and douglas fir and the northerly part of the claim was logged in the early 1950s. Water is available for part of the year from a small pond and a series of intermittent springs which drain southeast to the Nicola River.

REGIONAL GEOLOGY

The geology of the region is described in Geol. Surv. Canada, Mem. 249 Nicola Map Area, (1948) and pictorially by Map No. 886A and also by Ministry of Mines, B.C. Annual Reports 1957 to 1963.

The area of interest is underlain by Nicola greenstones of Triassic age, an assemblage of andesitic volcanic rocks, tuffs, basaltic and feldspar porphyries together with minor amounts of limestone and argillites.

Plutonic rocks are represented by the Coast Intrusions of Jurassic age which are mostly medium to coarse grained granodiorites or quartz diorites but locally include more acidic or more basic types. An extensive body of pink quartz monzonite, fine grained porphyritic diorite and intrusion or explosion breccia containing fragments of aplite, granite and dark diorite porphyry, believed to be a satellite of the Gulchon Batholith, outcrops adjacent to Jesse Creek immediately north of the property.

Immediately to the southeast of the property coal was mined during the 1920's and 30's from an embayment of the Coldwater beds of Tertiary age.

ECONOMIC GEOLOGY

No production is known to have taken place from the area other than the coal and some gypsum from isolated outcrops on the hillside northwest of Merritt. The author carried out some prospecting in 1948 in the area and noted additional outcrops of gypsum on the crest of the ridge and some trenching and shaft sinking adjacent to the Spences Bridge highway south of the claim group.

The area north of the claim group was explored by Northwestern Exploration Ltd. and Vanmetals Exploration Ltd. between 1958 and 1963. Two drill holes immediately north of the present claim are reported to have intersected sheared, faulted and pyritised greenstone adjacent to the diorite contact between 600 and 700 foot depth.

The author held the present area as the Coutlee Queen group in 1958 and explored a 200 foot wide bed of pyritized quartz tuff paralleling the east boundary of the Indian Reserve. A selected sample of this tuff assayed .35 copper and .03 oz. gold. Four traverses across the crest of the ridge indicated a 100 foot wide magnetic anomaly trending north-easterly and subsequent prospecting located a band of black fine grained tuff containing up to 50% magnetite. The property was subsequently allowed to lapse since the values encountered were not considered economic at the time.

With the dramatic increase in the price of gold in 1980, the pyritized tuff bed became a potential low grade gold prospect of substantial size and the property was staked for the Company in early 1981.

RECENT WORK

Because of commitments to other projects work on the property could not be commenced until late in October and was directed mainly toward preliminary mapping and prospecting. A north-south baseline was laid out along the east boundary of the claim and 7 1500 metre cross lines were laid out at 500 metre spacing along the east west boundaries of the individual units with stations picketed at 25 metre intervals. 96 geochemical soil samples were collected at 100 metre spacing but have not been analysed to date.

A tentative arrangement was negotiated with the owner of the lookout road to permit extending an access road from the lookout onto

A tentative arrangement was negotiated with the owner of the lookout road to permit extending an access road from the lookout onto the claim. Approximately three days was devoted to layout of a possible grade of less than 7% adverse.

Six days of random prospecting including testing with a shirt pocket magnetometer which was subsequently found to be in not too reliable operating condition. 15 rock samples were collected principally from the quartz tuff bed which have not been assayed to date.

CONCLUSIONS

Insufficient work has been carried out on the property to confirm the existence of economic mineralization on the property, however, the discovery of limy tuffs west of the magnetite bearing body that appears to have been warped from a north-south strike to a northeasterly strike around the diorite body to the north bears a striking similarity to conditions prevailing in the vicinity of the Craigmont orebody 10 km. to the northwest. The presence of the isolated gypsum deposits south and east of the property and a year round spring that rises within less than 50 metres of the elevation of the summit of the ridge suggests that the gypsum has originated from decay of a sulphide body that is not exposed on the surface. Additional work should be carried out to map and measure the dimensions of the mineralized tuff bed to determine the economic potential of the ground.

RECOMMENDATIONS

1. Carry out a preliminary magnetometer survey on the existing lines to confirm location of the magnetite bearing body.
2. Fill in additional cross lines at 100 metre spacing to permit mapping and measurement of the dimensions of the mineralized tuff bed.
3. Construct the access road and carry out bulldozer stripping of targets that may be indicated by the foregoing.

Respectfully submitted



Don Faulkner
1925 2nd Ave.
Merritt, B.C.

February 28, 1982

APPENDIX NUMBER 1

SUMMARY OF EXPENSE INCURRED IN EXPLORATION OF THE C.Q. #1 MINERAL CLAIM

Prospecting	12 days @ \$80/day	\$ 960
Road location	3 days @ 80/day	240
Linecutting	12 Km. @ 50/km	600
Fuel supplies & transportation		50
Assaying 2 @ \$17 Au Ag Cu		35
Report preparation		<u>100</u>
Total		<u>\$ 1985.</u>

Certified; to the best of my knowledge and belief, the above schedule represents a true and accurate summary of the costs incurred in exploration of the CQ Mineral claim between October 15 and November 20, 1981




 Don Faulkner /Operator

APPENDIX NUMBER II

WRITERS CERTIFICATE

I, Donald Faulkner of Merritt, B.C., hereby certify that:

1. I am an experienced prospector, residing at 1925 Second Avenue, Merritt, B.C.
2. I have been employed in the mining exploration business since 1946 as a prospector, fieldman for various syndicates and small mining exploration companies, and presently am President and General Manager of Pine Valley Explorers Ltd.
3. I am the author of this report which is based on published literature, previous geological reports and field observations during the period which work was carried out.
4. As President and managing director and a major shareholder of Pine Valley Explorers Ltd. I may be deemed to have a beneficial interest in the CQ mineral claim.


Donald Faulkner
Prospector.

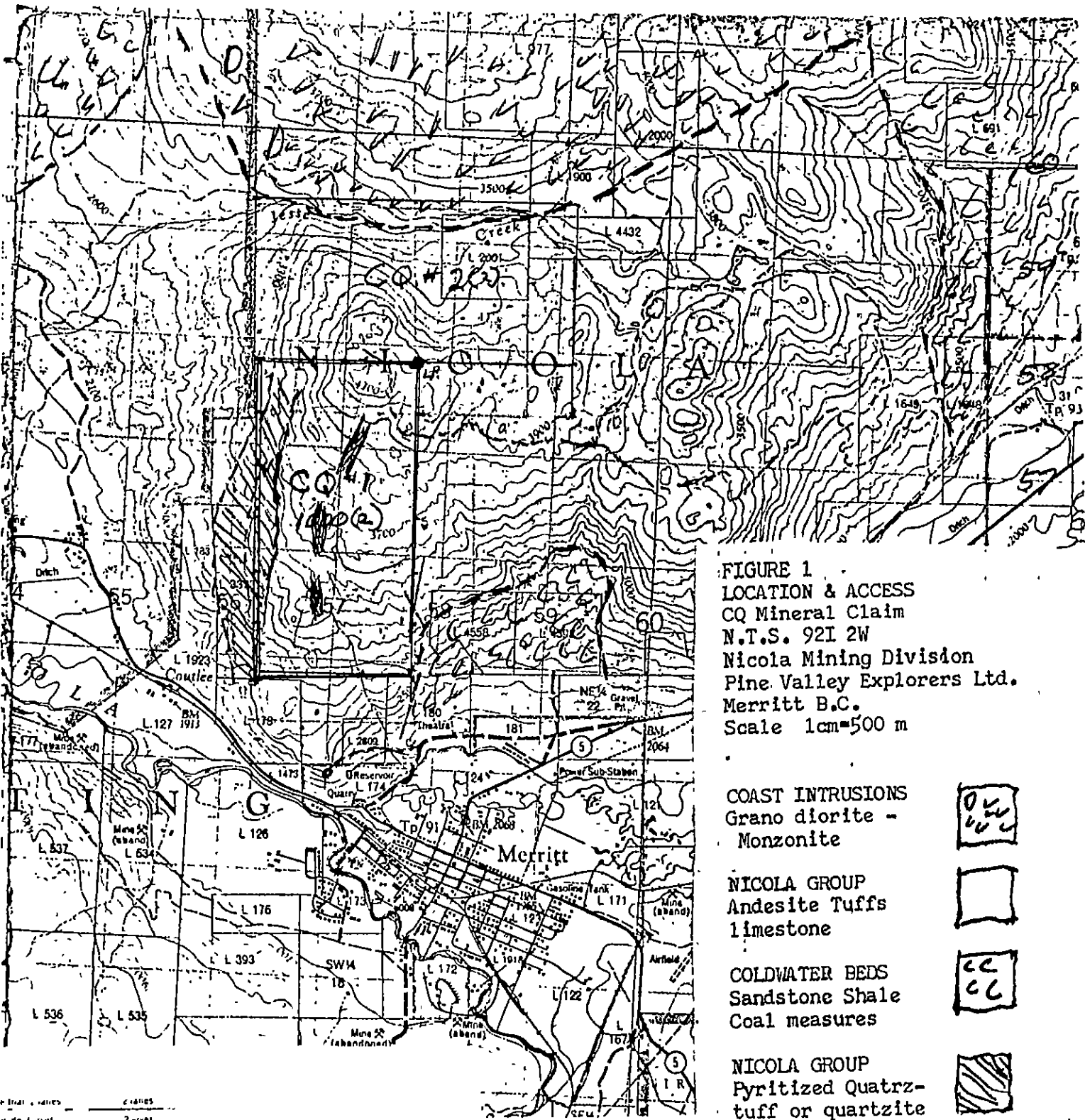
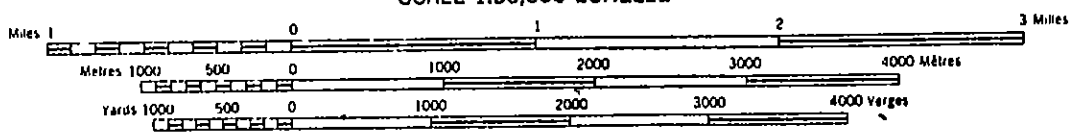


FIGURE 1
 LOCATION & ACCESS
 CQ Mineral Claim
 N.T.S. 92I 2W
 Nicola Mining Division
 Pine Valley Explorers Ltd.
 Merritt B.C.
 Scale 1cm=500 m

- COAST INTRUSIONS
 Grano diorite -
 Monzonite
- NICOLA GROUP
 Andesite Tuffs
 limestone
- COLDWATER BEDS
 Sandstone Shale
 Coal measures
- NICOLA GROUP
 Pyritized Quartz-
 tuff or quartzite

2 lanes or more
 plus de 2 voies
 less than 2 lanes
 moins de 2 voies

SCALE 1:50,000 ÉCHELLE



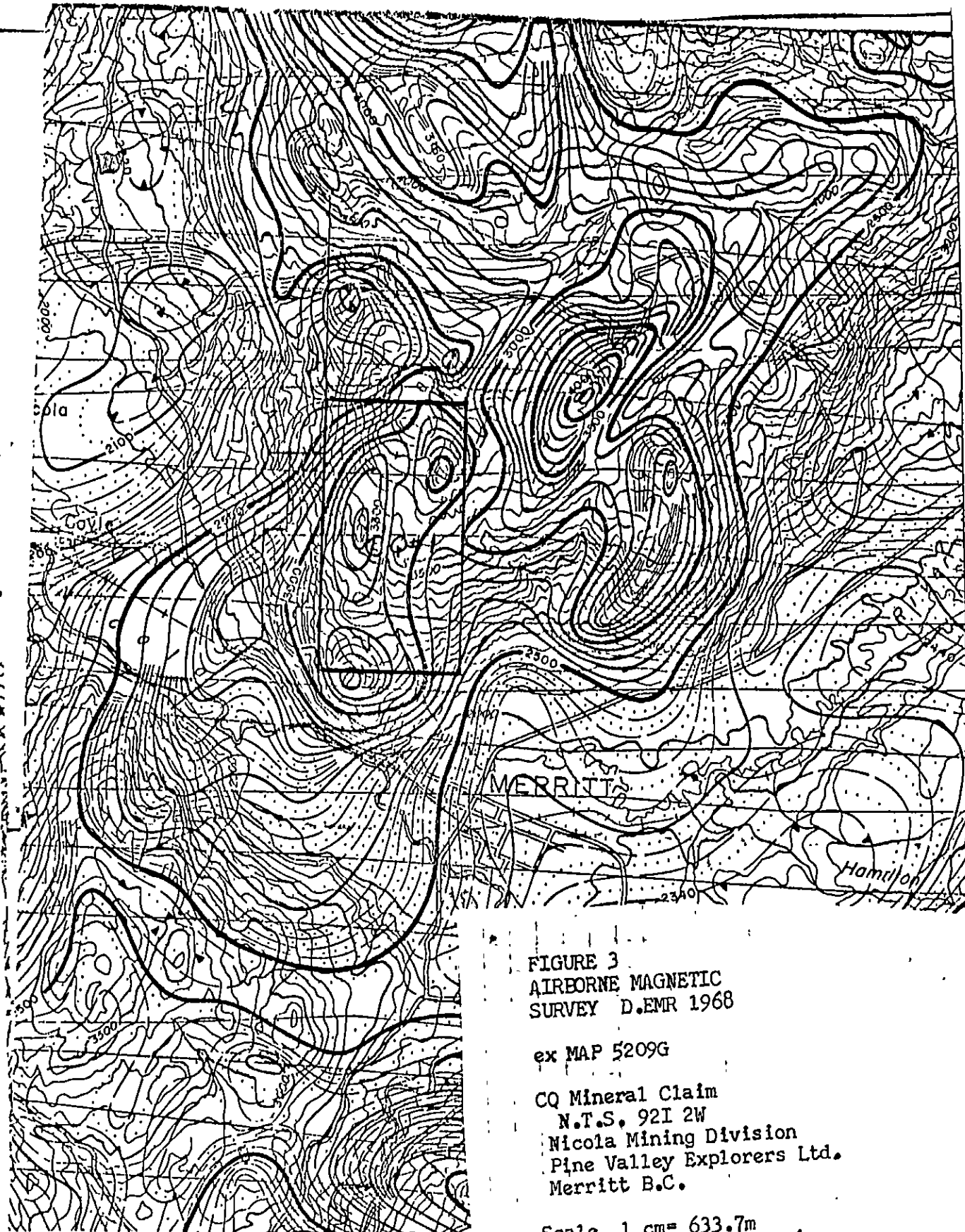
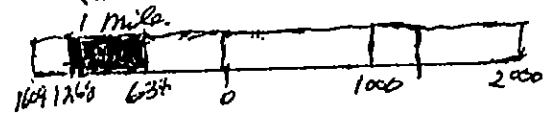


FIGURE 3
AIREORNE MAGNETIC
SURVEY D.EMR 1968

ex MAP 5209G

CQ Mineral Claim
N.T.S. 92I 2W
Nicola Mining Division
Pine Valley Explorers Ltd.
Merritt B.C.

Scale 1 cm = 633.7m
(1 inch = 1 mile)



IR#1

10,186



LEGEND

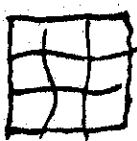






- Limy Tuff 
- Pyrititised quartz tuff (quartzite ?) 
- Magnetite bearing (50%) black limy tuff 
- Fine grained black Andesite (metamorphosed basalt?) 
- Overburden obscured. 
- Picket lines & geochem sample sites 
- Intermittent springs 

FIGURE 2
 Preliminary Local Geology
 CQ Mineral Claim
 N.T.S. 92I 2W
 Nicola Mining Division

Scale 1cm. = 100 m

Pine Valley Explorers Ltd. (N.P.L.)

L. 3372



SCALE 1cm = 100 m (1-10,000)

