

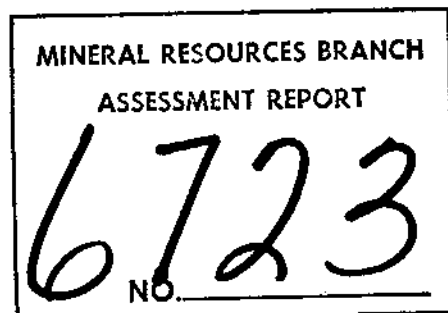
78-# 130-# 6723

Prospecting Report  
Molly Blue Mineral Claim  
Kisgegas peak Lat. 55° 45.1'  
Long. 127° 26.1'  
Claim map 93m-~~13 E~~ 14W  
Omineca Mining Division, B.C.  
by John Bot MAY 30, '78

6723

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### Introduction

The Molly Blue claim was staked in the spring of 1977. Many trips by helicopter were made, during the summer and fall, and this report is based on the mapping and prospecting that was carried out.

### Location

The property is located in the Atna Range, just south of Kisgegas Peak, 56 Kilometres north of Hazelton. It is situated at a elevation of 1,666 metres, and just below a relatively small glacier. Goathead creek has its head waters at this point.

### Access

A secondary dirt road leads up the Skeena River to the deserted Indian Village of Kisgegas. From this point it is only a 10 mi. or 16.5 kilometre hop to the property by helicopter. For convenience purposes, a direct flight by helicopter from Smithers to the claim was used during 1977 season.

(2)

#### Ownership

The Molly Blue claim is owned by John Bot of Smithers, B.C. Record number 624.

#### Previous work

The property was previously worked by Magnum Consolidated, in the early sixties. In 1963, Amax owned and worked the property and carried out sampling and put down one diamond drill hole of 453metres. It was open ground during the seventies till Bot restaked it in the spring of 1977.

#### Work done during 1977

Many visits by major mining companies were carried out in July, August, and September. A lot of sampling was carried out and geological mapping. Prospecting, geological mapping and sampling was also done by Bot.

### Geology

A east-west trending porphyritic granodiorite stock intrudes the argillitic sediments of the Bowser group. The intrusive body is approximately 1800 m. by 660 metres, of which a inner core of 450 m. by 150 metres has developed a good stockwork of quartz veins.

At least four stages of veining has taking place. The first stage veins, up to 1 cm., are mainly dry and irregular.

The second and third stages of veining carry molybdenite, chalcopyrite and minor pyrite. These veins continue throughout the intrusive and into the hornfelsed sediments, but there they are not as frequent or as close placed as the "inner core" stockwork. Veins in the stockwork are from  $\frac{1}{2}$  to  $1\frac{1}{2}$  cm. wide and 1.25 cm. apart. Time intervals between these two periods have been close.

The last stage of veining are the the largest of the quartz veins. They are vuggy, 2 cm. to .7 metres, and may contain pyrite, molybdenite, and chalcopyrite. These veins are spaced at least .8 metres apart.

### Dykes

Pink aplite dykes have intruded the granodiorite and vary with width from 2 cm. to 2.5 metres. K-Feldspars are found in the aplite dykes and also as phenocrysts ( up to 2.5 cm. ) in the granodiorite. Other dykes found are, rich granodiorite, granodiorite, and basalt.

A large amount of massive sulphide boulders from 10 cm. to .7 metres have come from the south east contact area. The contact zone itself, lies at this point under the glacier. These boulders, are rich in pyrrhotite and fine chalcopyrite. (assay .5% cu. )

### Mineralization

The quartz veins are the main control of the mineralization, but disseminated molybdenum has been found in talus boulders. Molybdenum is the most important mineral, followed by chalcopyrite, pyrite, and minor stibnite. The important mineralized quartz veins have a strike of 30 degrees N.E., and dip of 45 Degrees N.W.

(5)

### Conclusion

Work up to date has shown the property warrants further investigation. Over 50% of the property is covered by either ice or talus, and with only one hole drilled, it simply cannot valuate the size and grade of the mineralized area.

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## Statement of expenditures

Six full days of extensive mapping, prospecting,  
and sampling.

..... 735.00

Preparation of report, secretarial etc.

..... 85.00

Expenditures            \$ 820.00

## Qualifications

Have taken Prospecting classes.

Worked part time for mayor mining exploration  
companies.

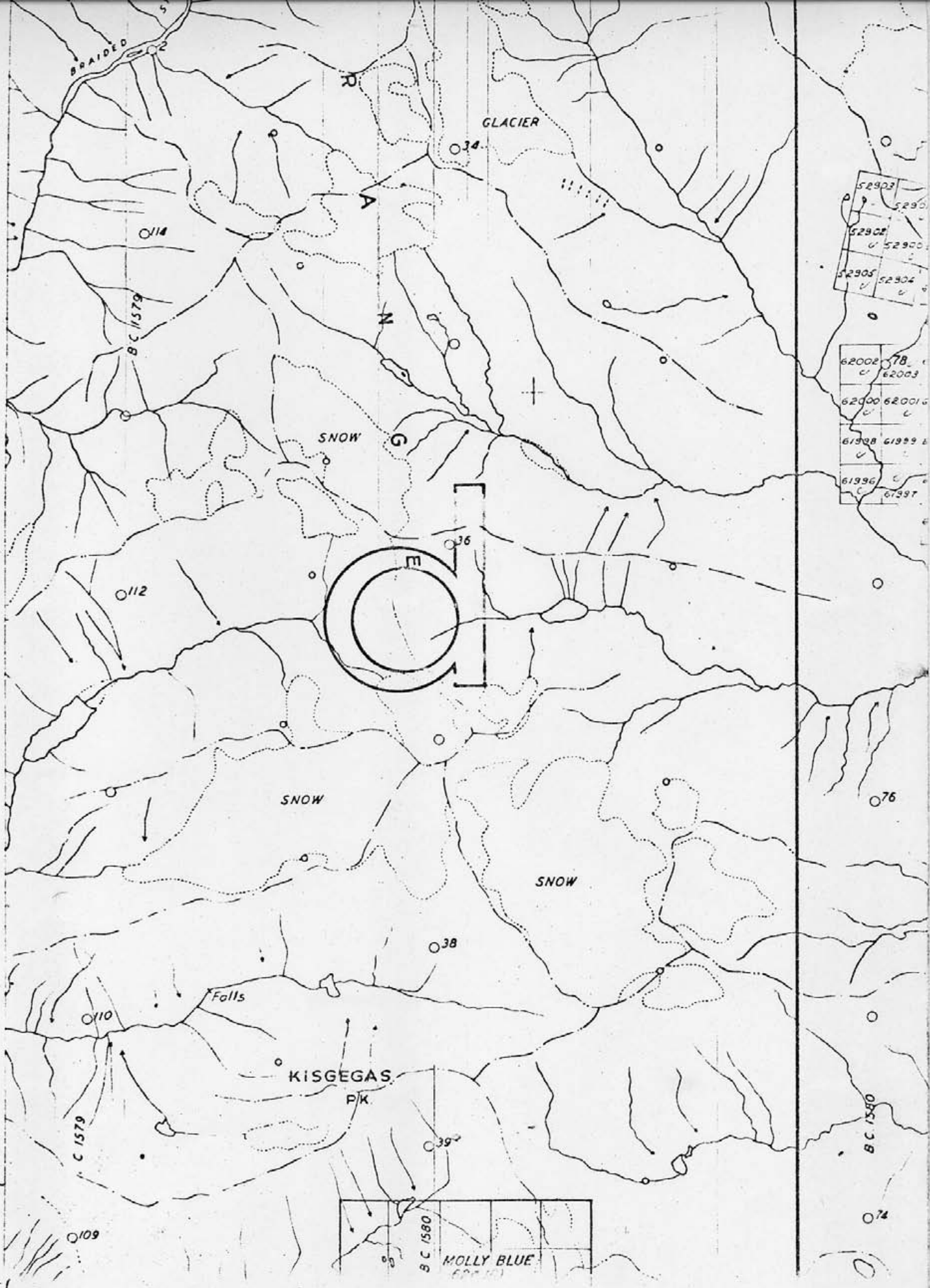
HAVE Prospected for 12 seasons.

Was on the B.C. Government Prospectors Assistance  
Program for past 2 seasons.



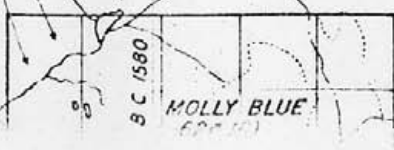


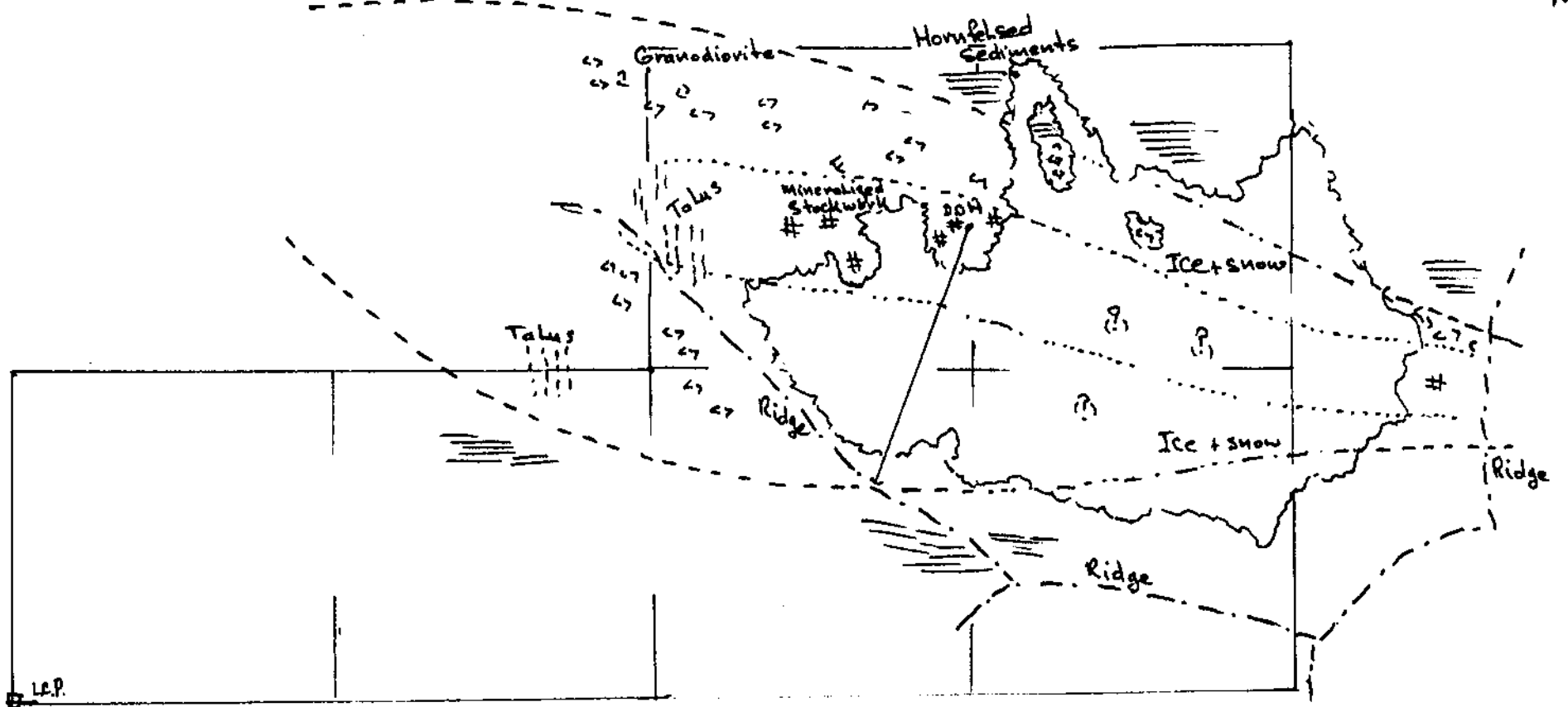
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







55° 45'





(3)

L.P.

-  Mineralized stockwork
  -  Granodiorite
  -  sediments
  -  Ice + snow
  -  Ridge
  -  Talus
  -  DDM
  -  molly blue claim
- scale approx. 1 cm = 100 metres