ANITA GROUP

92H/10E

OWNER: BRONSON MINES LIMITED

Claims: Anita Mineral Claim Numbers 11 to 22,

Location: Princeton

Latitude: 49°

Longitude: 120° N.W.

Similkameen Mining Division

Author: D.C. MALCOLM, B.A.Sc., P. Eng., 2568

Dates of Work: July 10 to 15, 1973

August 6 to 8, 1973

May 13 to 15, 1974

4964

C O N T E N T S

ANITA GROUP

OWNER: BRONSON MINES LIMITED

Claims: Anita Mineral Claim Numbers 11 to 22, inclusive.

Location: Princeton, B.C.

Latitude: 49°

Longitude: 120° N.W.

Similkameen Mining Division

Author: D.C. MALCOLM, B.A.Sc.,P. Eng., 2568

Dates of Work: July 10 to 15, 1973

August 6 to 8, 1973

May 13 to 15, 1974

ANITA GROUP

GEOLOGICAL REPORT

BY

D.C. MALCOLM, B.A.Sc., P. Eng., 2568

CONSULTING GEOLOGIST

Vancouver, B.C.

May 15, 1974

SUMMARY

The Anita claims are north of Princeton in a belt of Nicola Volcanics. They are along the east side of granodiorite dike-like intrusions which extend from the Okanagan Batholyth at Summers Creek to the Pennask Batholyth at Allison Lake and Allison Creek. Numerous other diorite dikes strike north to northwest across the claims. Faulting and brecciation in both volcanics and diorites are extensive and strike north, northwest and northeast. They branch from the major Allison fault to the west and extend to the Summers Creek fault to the east.

The Nicola volcanics and some of the diorite dikes are extensively mineralized by pyrite and some chalcopyrite has been found. A large hydrothermal zone lies southwest and west of the claims and copper mineralization from it extends onto the southern Anita claims.

LOCATION AND ACCESS

Latitude: 49°42' North
Longitude: 120°32' West
Elevation: 4,500 to 5,000 Feet

The Anita claims lie on the summit between Summers and Allison Creeks on a rocky plateau. They are crossed by a Hydro power line and road. They can be reached from Princeton via the Princeton-Merritt highway and by the Microwave Tower road or this power road.

ANITA GROUP CLAIMS

Claim	Record No.	Assessment Date
Anita 11	35,729	May 25, 1974
" 12	35,730	" " "
" 13	35,731	" " "
" 14	35,732	" " "
" 15	35,733	" " "
" 16	35,734	" " "
" 17	35,735	" " "
" 18	35,736	" " "
" 19	35,737	" " "
" 20	35,738	" " "
" 21	35,739	" " "
Anita 22	35,740	May 25, 1974

GENERAL GEOLOGY

The Princeton area is underlain by Triassic Nicola volcanics intruded by many stocks and batholyths of Mesozoic Age. A series of major north and northwest striking faults extend along Allison Creek and Summers Creek north from Princeton to Aspen Grove.

Large copper deposits occur in Nicola volcanics and intrusives along these faults at Similkameen Mining Company's open pit deposits and on the Adonis claims in intensively fractured and altered zones.

CLAIM GEOLOGY

The claim area lies between the Pike Mountain and Pennask Coast Range batholyths along the east contact of a thick dike-like granodiorite intrusive which connects them. The ground is underlain by purple and green limy volcanics broken by a branching series of northwest and north striking faults and diorite dikes.

Pyrite mineralization is widespread with a sericitized, kaolized hydrothermal altered zone south west of the claims and a pyritized ring of volcanics extends onto the Anita claims. Some chalcopyrite occurs in these volcanics.

GEOLOGICAL CONCLUSIONS

The Anita claims are underlain by Nicola Volcanics intruded by numerous reticulating diorite dikes.

A circular area of hydrothermal alteration lies immediately south west of the claims and a pyrite-chalcopyrite mineralized zone could occur on the Anita claims. Some pyrite-chalcopyrite mineralization was found.

Report by

D.C. MALCOLM, P. Eng.
Consulting Geologist

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. C. MALCOLM

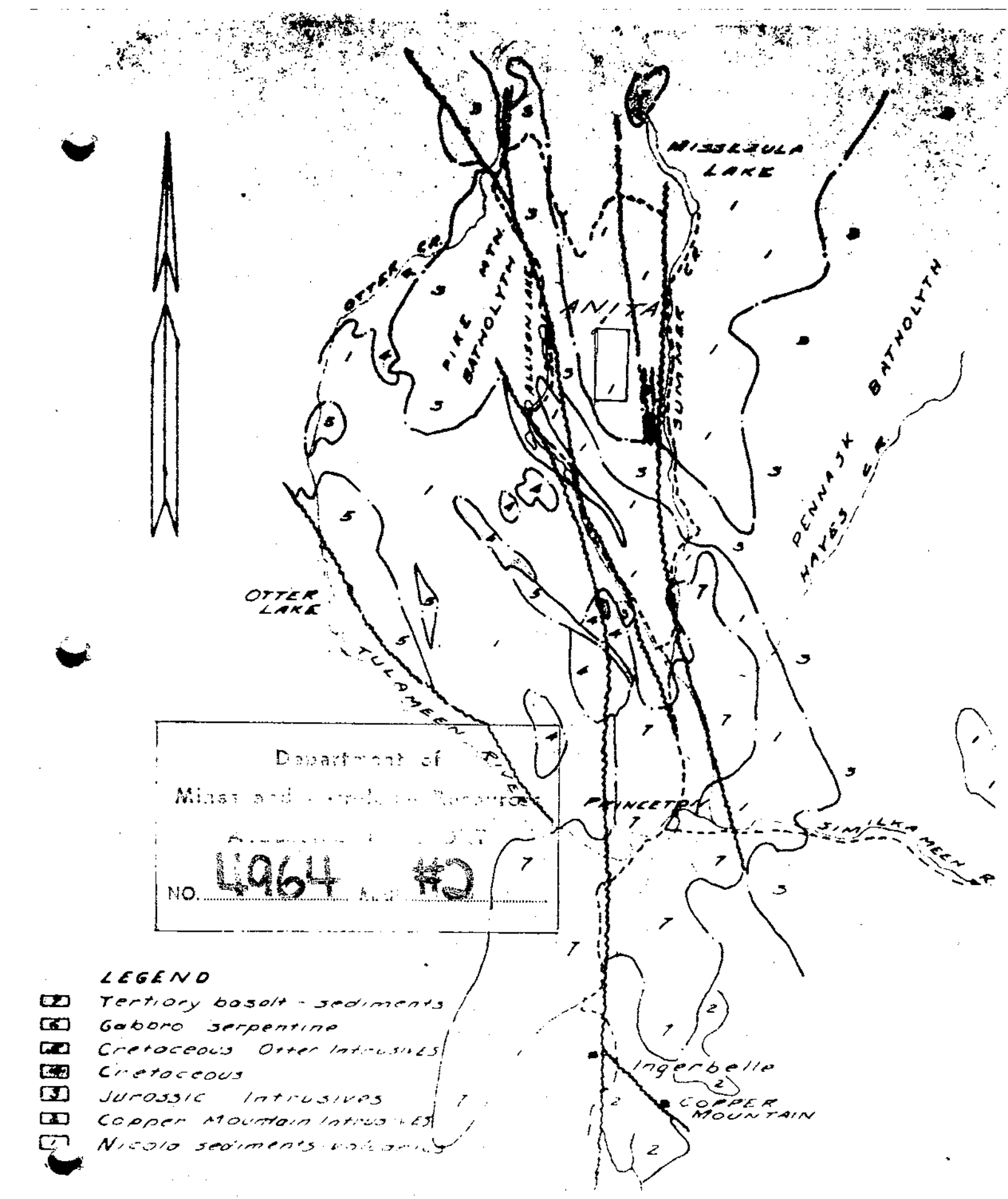
Vancouver, B.C.
May 15, 1974

ADDENDUM NOTE

Geological mapping and prospecting was done by the prospectors on lines at 400 foot intervals across the claims. The work was supervised by myself and the rock types identified. Difficulties were experienced in differentiating between varieties of diorites which grade from sericitized kaolinized rocks to fresh hornblend and feldspar porphyritic diorites. Similiar difficulties have been encountered on adjoining properties and, despite extensive petrographic studies, these intrusive types are hard to differentiate.

REFERENCES

Geology and Mineral Deposits of the
Princeton Map-Area, British Columbia,
G.S.C. Memoir 243 by H.M.A. RICE



After Rice GSC Map

GENERAL GEOLOGY
Scale 1" = 4 Miles

LEGEND

- Diorite
- Volcanics
- Outcrop
- Fault
- Contact
- Py Pyrite
- Cu Copper

ANITA GROUP

GEOLOGY

Scale 1:500' 1973.