

729

DEUCE GROUP

GEOLOGICAL REPORT

by

D. C. MALCOLM, P.Eng., 2568

VANCOUVER, B. C.
December, 1965

DEUCE GROUP

OWNER: Omineca Sixty Four Syndicate
CLAIMS: Deuce 1 to 4 inclusive
LOCATION: Chikamin Mountain
LATITUDE: 54°
LONGITUDE: 126° S.W.
Omineca Mining Division
AUTHOR: D. C. MALCOLM
DATES OF WORK: July 9th - 14th, 1965
December 4th and 5th, 1965

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DEUCE GROUP

SUMMARY

Geologists for Omineca Sixty Four Syndicate surveyed the area with chain and compass traverses in 1965. The area had been previously mapped by the Geological Survey of Canada described in Memoir 299 Whitesail Lake Map Area by S. Duffell. The 1965 work showed flat lying Hazelton group volcanics and sediments altered to skarn and mineralized by magnetite and chalcopyrite.

LOCATION

Latitude 53° 22' Longitude 127° Elevation 7,500 feet. The claims lie between Eutsuk and Whitesail Lakes in Tweedsmuir Park on Chikamin Mountain. They are 75 miles southwest of Burns Lake, B. C. in Omineca Mining Division. The claims are best reached by helicopter from Burns Lake but can be reached by boat and trail from Whitesail Lake.

GEOLOGY

a) Topography

Chikamin Peak is 7,500 feet in elevation and the claims cover a plateau immediately north of it. The plateau extends with a gentle slope north and west and drops steeply to the east to Chikamin Creek and Glacier. It is at elevation 6,300 feet.

b) General Geology

The Chikamin area is underlain by interbedded Middle Hazelton group sediments, fragmentals and volcanics and intruded by a fine grained granite plug. The sediments strike northwest and dip at gentle angles to the west and are believed to be on the west limb of an anticline.

c) Claim Geology

The Deuce geology is simple with flat lying porphyritic volcanics covering most of the claim area. These rocks are underlain by a 10 to 30 foot bed of highly metamorphosed limestone and limy tuffs. The footwall rocks are covered by talus but are thought to be volcanics.

d) Alteration

The volcanics are relatively unaltered but the limy rocks are completely changed to skarn rocks. Most of the bed shows calcite, epidote and minor actinolite but lenses erratically scattered through the bed partly, controlled by joints or N30W striking faults, show calcite, massive epidote and actinolite magnetite and some garnet.

e) Mineralization

This vuggy actinolite rock shows massive pods and seams of pyrrhotite and chalcopyrite. Magnetite is always present and one trench at the south end shows massive magnetite with minor chalcopyrite. The remainder of the limy bed contains disseminations of pyrrhotite magnetite and chalcopyrite erratically distributed

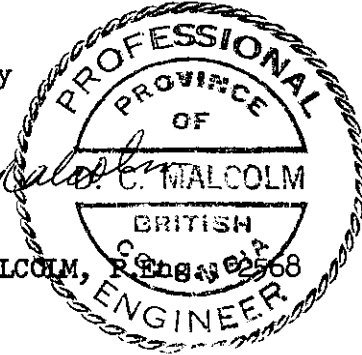
over a 1,000 foot length of the bed exposed in trenches along the steep east slope of claims 3 and 4.

SUMMARY OF GEOLOGY

Duece claims 1 and 2 are underlain by flat lying porphyritic volcanics and these rocks are underlain by a 10 to 30 foot limy tuffaceous bed altered to skarn with chalcopyrite, pyrrhotite and magnetite pods and disseminations in it.

Report by

D. C. Malcolm
D. C. MALCOLM, P. ENG. 2568



VANCOUVER, B. C.
December, 1965

DOMINION OF CANADA:
 PROVINCE OF BRITISH COLUMBIA.

In the Matter of Financial Accounting on work done
 during 1965 on the Deuce Group of Claims Record No.
 26057-26060

To WIT:

I, J. DOUGLAS CARNAHAN, Free Miner #32263, and Mining Engineer #4459,
 of the City of Vancouver

in the Province of British Columbia, do solemnly declare that the following men performed work on
 the Deuce Group of Mineral Claims during 1965 for a total of \$460.00.

D. C. Malcolm, Geological Engineer, July 14, 1965	\$ 40.00
December 3-4, 1965	80.00
I. Holmes, Geological Assistant, July 9-14, 1965	125.00
S. Eakin, Geological Assistant, July 9-14, 1965	125.00
K. Baker, Geological Assistant, July 9-14, 1965	75.00
D. Malcolm, Geological Assistant, July 14, 1965	<u>15.00</u>
Total	<u>\$ 460.00</u>

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of
 the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the *City*
 of *Vancouver*, in the
 Province of British Columbia, this *21*
 day of *January*, 1966, A.D.

J. Douglas Carnahan
 J. DOUGLAS CARNAHAN

Shirley Jennette
~~A Commissioner for taking Affidavits within British Columbia or~~
~~A Notary Public in and for the Province of British Columbia.~~

★o

Sub-Mining Recorder

CLAIMS

Deuce Group Omineca Mining Division

<u>CLAIM</u>	<u>RECORD NUMBER</u>	<u>RECORDED</u>
Deuce No. 1	26057	July 9th, 1964
2	26058	July 9th, 1964
3	26059	July 9th, 1964
4	26060	July 9th, 1964

Film as text



LEGEND

- 4 Volcanics
- 3 Sediments
- 2 Skarn sulphides
- 1 Snow

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 729 MAP #1

OMINECA 64
 DUECE GROUP
 GEOLOGICAL PLAN

Scale 1"=500' Aug 1965.

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