

82F/6W

^{SIF}
L49-117 SE
Pactolus Group. *St. Clair*
Brindle, Arthur Sinclair.
Smith, Alexander: Engineer.

0008

88

R E P O R T

on

PACTOLUS GROUP

NELSON M. D.

BRITISH COLUMBIA

by

ALEXANDER SMITH

PACTOLUS GROUP

NELSON, B. C.

The Pactolus Group is underlain by Rossland volcanics. The general strike of the formations is northwesterly with dips of 40 to 90° southwest. A cross section of the rocks is exposed along Gold Creek. North of the shingle mill there is a chlorite hornblende greenstone schist derived from an andesitic tuff. At the mill a 250 foot width of fresh felspar porphyry (andesite, greenstone). Proceeding southwest this is followed by 1500 feet of fresh andesitic greenstone, and 1800 feet of alternating andesitic and basaltic rocks, sometimes massive and sometimes schisted or sheared parallel to the general trend of the formations.

In this 1800' width there are bands of pyrite mineralization. The pyrite occurs in three principal types of rock. The first is in a light bleached altered schist; the second in harder silicified brownish and purplish altered schist; the third in a more massive basaltic rock showing epidote and having a nodular weathered surface. The mineralized bands parallel the formations.

In 1887 good gold values were obtained from the gossan of one of the pyritized belts. A small mill was installed but was unable to treat the sulphides. Values were much lower in the unoxidized ore.

To the southwest of the Pactolus there is a rock resembling a diorite or diorite porphyry. In places this is schisted similar to the rocks of the Rossland series. This may be either a member of the series or a later intrusive.

Allen B. Smith

November 4th, 1947.

C O S T S T A T E M E N T

GEOLOGICAL MAPPING

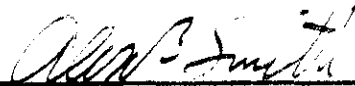
ASSESSMENT WORK ON THE PACTOLUS GROUP

NELSON, M. D.

To 4 days field work Alexander Smith and	
J. A. Robertson	- \$300.00
To 3 days office work Alexander Smith)	
2 " " " J.A.Robertson)	- <u>\$300.00</u>

\$600.00

CERTIFIED CORRECT



November 4th, 1947

CMC
1944

	A.S.T.C.B	
	1944	1941
200'-0.05		
250'-0.04	5.1'-0.07	4.2'-0.07
	5.0'-0.02	5.0'-0.07
	5.0'-0.08	6.0'-0.10
	6.0'-0.02	10.0'-0.16
200'-0.21	6.0'-0.04	9.2'-0.08
	6.0'-0.09	
	4.0'-0.10	4.1'-0.22
21.0'-0.03	10.0'-0.03	2.3'-0.06
	5.5'-0.02	4.5'-0.04
	2.6'-0.01	5.1'-0.16
10.0'-0.04	1.9'-0.02	4.0'-0.08
21.0'-0.02		

RUSTY S. PAS

MB
s Sch.

55°

TRAIL

MB

55°

PAS silic 4%

GREY S

CS-PAS

3-5%

LG PAS 3%

SILIC & QTZ ST

CMC 117'

PEM 2%

55.2' SAMPLED BY A.S.T.C.B.
1941 & 1944

B.S. 2%

85°

PEM

PEM

PEM

PEM

MB

CS

PAS

PAS 2%

TRAIL

70°

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ASSESSMENT REPORT
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MB

MB

CS-1%

REPORT 8
MAP 1

FOR LEGEND SEE 300 SCALE
MAP

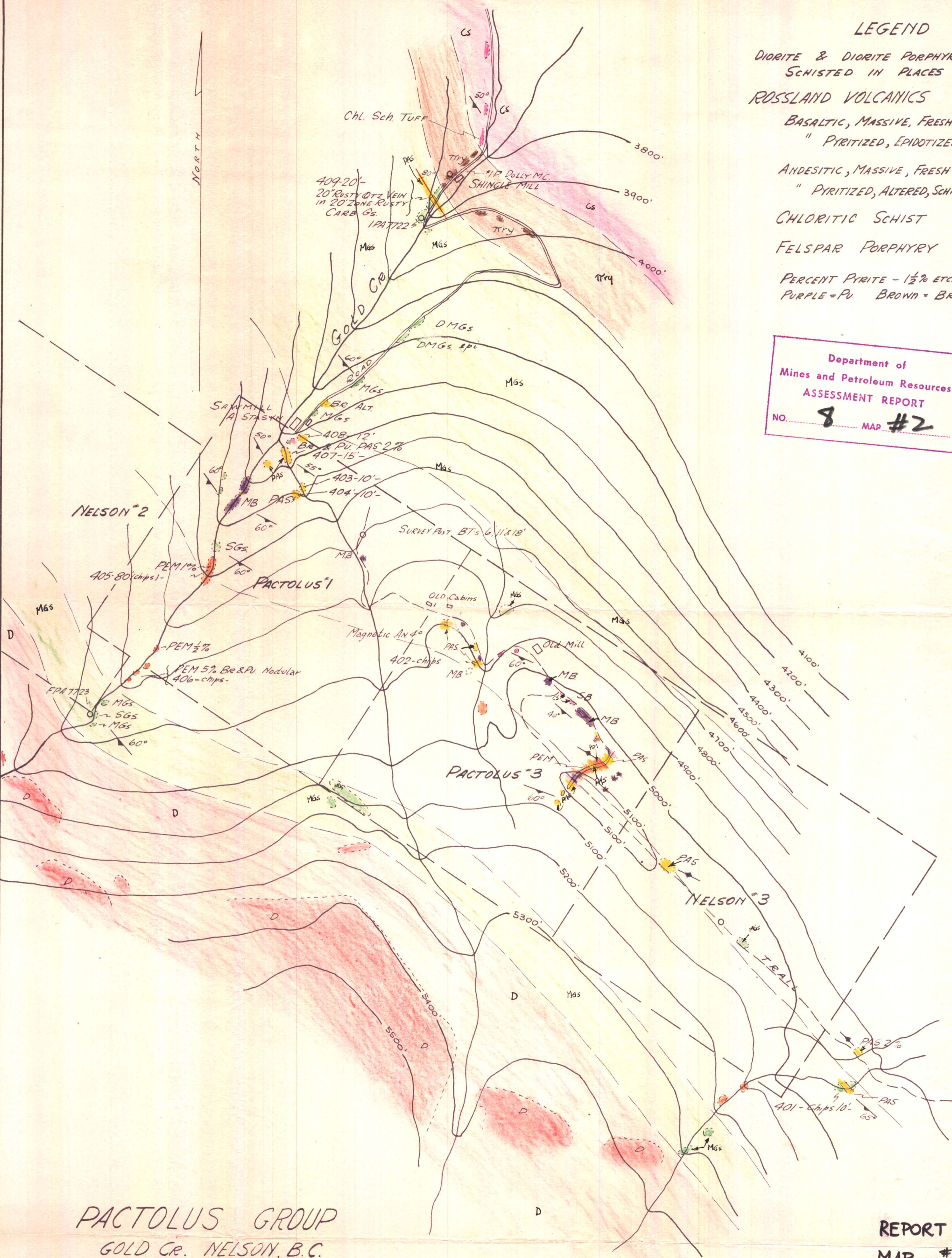
NOT TO BEDRX.
SOIL RUSTY

LONG CUT, PACTOLUS
SCALE 1" = 40'

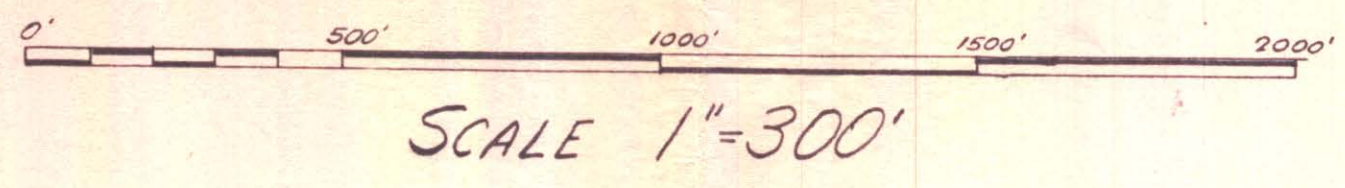
LEGEND

- DIORITE & DIORITE PORPHYRY
SCHISTED IN PLACES D 744
 - ROSSLAND VOLCANICS
 - BASALTIC, MASSIVE, FRESH MB 742
 - " PYRITIZED, EPIDOTIZED PEM 737
 - ANDESITIC, MASSIVE, FRESH MGs 738 1/2
 - " PYRITIZED, ALTERED, SCHISTOSE PAS 735
 - CHLORITIC SCHIST CS 742 1/2
 - FELSPAR PORPHYRY TRY 746
- PERCENT PYRITE - 1 1/2% ETC.
PURPLE = PU BROWN = BR.

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 ASSESSMENT REPORT
 NO. **8** MAP **#2**



PACTOLUS GROUP
 GOLD Cr. NELSON, B.C.



REPORT #8 (1)
 MAP #2