1900

GEOLOGICAL REPORT
ON AREA OF MAIN WORKINGS ON
OPULENCE AND ADJOINING CLAIMS
LUCKY STRIKE MINES LTD.,
KEREMEOS B.C.

By W.R. Newman, Ph.D., P. Eng. Dec 10/68

CLAIMS:

	Record No.
Mineral Lease M-76 covering	Lot #1910
Opulence No. 1,	Lot #3448
Hardscrabble #1 Fr.,	Lot #3452
Royal Banner	
JR #11	22022
JR #12	22023
JR #13	22024
JR #14	22025
JR #15	22026
JR #16	22027
Ope #2	22028
Ope #3	22029
Ope #4	22030
Ope #5	22031
Ope #6	22032
Ope #7	22033
Ope #8	22034
SS 1 Fr	22426
SS 2 Fr	22427
SS 3 Fr	22428
Elstak 4 Fr.	22404
Fem 3	22407

LOCATION:
Approximately 4 miles northeast of Keremeos, B. C.
Osoyoos Mining Division
49° 15' North Latitude
119° 48' West Logitude

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AREA OF MAIN WORKINGS

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December 10, 1968

Vancouver, B.C.

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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1900 MAP

GEOLOGICAL REPORT ON

AREA OF MAIN WORKINGS

ON

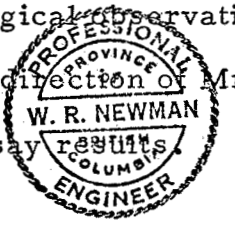
OPULENCE AND ADJOINING CLAIMS
LUCKY STRIKE MINES LTD.
KEREMEOS, B.C.

INTRODUCTION

The Keremeos property of Lucky Strike Mines Ltd. was examined and mapped from a period from November 20 to 27 and November 26 to 29. From November 24 to 26, a grid of lines had to be prepared for mapping and eventually for the induced polarization survey as well.

A program of opening up shafts, drifts and adits, road building, bull-dozing, prospecting and sampling, was under the supervision of Mr. F.L.C. Price and field work was under the direction of Wayne McRory.

This report will confine itself mainly to geological observations and possibilities, as the sampling program was under direction of Mr. Price and the writer has no complete record of the assay results.



LOCATION

The claims are located to the east of the Keremeos-Penticton Highway, with the Opulence claim approximately 3 miles slightly east of north of the town of Keremeos. Roads suitable for four-wheel drive vehicles afford good accessibility to the property.

TOPOGRAPHY

The Opulence and adjoining claims are located at about 4,200', some 2,500' above the Keremeos valley. The greater portion of the claims examined are relatively flat, except for the areas to the south and east, where the inclines are very steep.

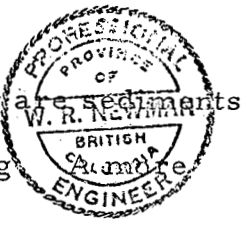
Timber growth is sparse, offering no problems for surface exploration. Rock exposures are common.

GEOLOGY

A grid of lines 200 feet apart was prepared to map the geology on a scale of 100 feet to one inch. Some of the Geological formations did not quite agree with distribution as shown on the Geological Survey of Canada maps, but this would be expected with the differences of the scale in mapping.

Sediments

The rocks in the southern quarter of the property are sediments with light cream to grey coloured quartzites predominating.



granular variety was mapped as sandstone. Jointing is common in the quartzite.

A black to dark brown carbonaceous appearing shale, often silicified, and locally chert was also found in the southwest corner and in the underground workings of the shafts and some of the adits.

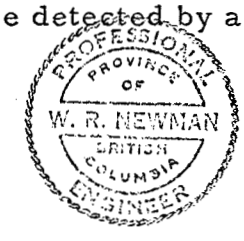
The sediments would appear to belong to the Springbrook formation of Tertiary age.

Dacite

A fine-grained grey rock was mapped in the central western section, containing a little fine disseminations of pyrite. A thin section was made and the groundmass was mainly fine-grained matrix of plagioclase, a little quartz. Small crystals of hornblende and biotite were discerned, along with black opaque accessory minerals, magnetite and hematite. The rock was termed a dacite.

Pyroxenite

A dark green, mainly coarse-grained but occasionally fine-grained rock occupies the whole northern half of the property examined. Hornblende appears to be the dominant mineral and possibly hornblendite would be a more correct term for the rock. Some fine pyrite mineralization is often seen in this rock. The rock is often highly magnetiferous, deflecting compasses; and its magnetic quality often can be detected by a pocket magnet.



Diorite

This rock is the most significant economically. The copper was probably brought in by this intrusion and some chalcopyrite and malachite has been seen in the diorite itself. The rock is grey, medium to coarse-grained, with quartz, grey feldspar hornblende and some diotite.

Farther east the columnar basalts of Tertiary age, outcrop.

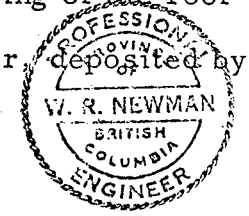
ECONOMIC CONSIDERATIONS AND OBSERVATIONS

Geological mapping recorded a singular absence of chalcopyrite mineralization. Some malachite and a little chryocolla was seen in the shafts, trenches and road cuts. The most important copper oxide occurrences were in the road to the northeast and along XL 11095N. Some chalcopyrite was seen in the diorite at 11093N on the same cross line.

Shaft No. 2 (Main Shaft)

This shaft was cleaned out and dewatered and proved to be 45 feet in depth with a drift to the south at a depth of 29 feet for a distance of 10 feet. A bottom drift extended for a length of 30 feet on a bearing of S30°E. Some pyrite mineralization was seen in the bottom drift.

The upper drift had a spectacular roof of purplish-blue coloration, which on first glance appeared a rich copper vein. Chipping of the roof proved this to be only a coating or film of secondary copper deposited by the copper enriched waters in the shaft.



The walls of the shaft appear to have been impregnated with the copper enriched waters with copper values decreasing from the top down. Altogether, very little in the way of sulphides was found in the underground workings.

The rock in the underground workings was mainly black to brown shale, which was often siliceous and sometimes cherty.

Adit No. 2

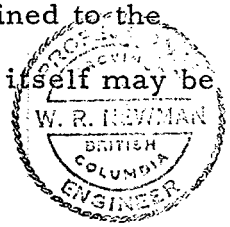
This adit on the west end of XL 10200 is in a flat-dipping conglomerate and siliceous shale. A striking feature of the adit is the yellow coating on the roof and the walls. A sample from the mound of the lemon-yellow material on the floor of the adit was collected and proved to be sulphur, probably intermixed with clayey material.

Trench No. 3

A small stripping on XL 10600 at 200 feet west of the face line showed copper alterations and gave moderate copper values of between .3 and .4%.

GEOCHEMICAL SURVEY

A geochemical survey outlined an anomalous zone of 100 p.p.m. copper or greater. This anomalous zone is strikingly confined to the diorite and to a much lesser extent the pyroxenite, which in itself may be an associated border phase of the intrusive.



INDUCED POLARIZATION SURVEY

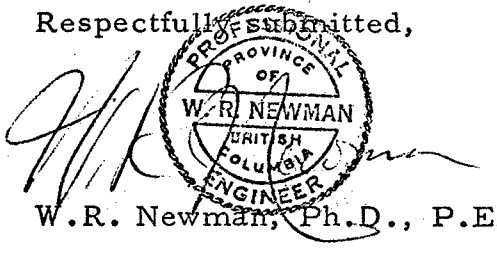
A selected area confined to the area considered most favourable for copper mineralization will be surveyed by the induced polarization survey. The main possibility in this survey will be for detection of any concentration of disseminated chalcopyrite mineralization in the diorite, the nearby pyroxenite and shale.

GENERAL COMMENTS

It is remarkable considering the many surface indications of copper in the form of malachite and some of the assay results of copper that there has been so little evidence of primary copper sulphides in the area examined. Chalcopyrite was only seen on a few specimens and in minute amounts. There was very little even in the way of pyrite mineralization.

Some of the copper assays are due to superficial deposition, particularly in the shaft, by the shaft waters, enriched by some of the copper minerals which must have been present in the rock of the underground workings.

Respectfully submitted,



W.R. Newman, Ph.D., P.Eng.

December 10, 1968

Vancouver, B.C.

I, Dudley Mar, Director, do declare the following:

Lucky Strike Mines Ltd.

711 - 543 Granville
Vancouver, B.C.

i/a

W. R. Newman
1401 - 1666 Pendrell Street
Vancouver, B.C.

November 18, 30, December 3, December 2, 3 and 6, December 8, 9, 10 & 11		Meetings, etc., re property; Thin section, preparing map; Map & Report	2-1/2 days
November 20 to 23	4 days	Keremeos property, mapping and examination	
November 26 to 29	3-1/2 days	Keremeos property, mapping	
Total Time	10 days	@ $150.00 a day	$1,500.00

Declared before me at the City of Vancouver, in the Province of British Columbia, this 12 day of May, 1969, A.D.

D. Dudley Mar

D. Jeannotte

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

SUB - MINING RECORDER

I, Forbes Mar, do declare the following as Director

Lucky Strike Mines Ltd.

Expenses

November 20	Drafting Paper etc.	$ 3.99
November 22	Map	.50
December 2	Parcel collect	1.25
November 20, 21, 26	Meals	9.75
November 20 to 28	Mileage, 525 miles @ 12¢ a mile	63.00
~~December 11~~	~~Drafting~~	~~63.75~~
	Total	$ 142.24
	Fees	1,500.00
		~~$1,642.24~~

Declared before me at the City of Vancouver, in the Province of British Columbia, this 12 day of May, 1969, A.D.

Forbes Mar.

L. Giannotta

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

SUB-MINING RECORDER

DEC 16 1968

C/C 401

I, Evelyn Mar, director, do declare the following:

Dec. 11th, 1968

Mr. W. R. Newman,
#1401 - 1666 Pendrell,
Vancouver, B.C.

Drafting Service

In Account With Versatile Drafting Ltd.,
#31 - 448 Seymour,
Vancouver, B.C.

TERMS:

Invoice for Job. No. VER-539

17	Hrs.	VER-539 Lucky Strike Mines	@	3	75	63	75
		Total....				63	75

DEC 16 1968

Invoice prepared by W. R. Newman

W. R. Newman

Declared before me at the City of Vancouver, in the Province of British Columbia, this 12 day of May, 1969, A.D.

A. Jeannotte

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

SUB - MINING RECORDER

OPULENCE L. 1910

ROAD ENDS

R - Samples

R - Samples

10800 E B/L

10000 E B/L

Trenches
U
⊥ TO 85°

RUSTY BRECCIATED ZONE

12000 N

11800 N

11600 N

11400 N

11200 N

11000 N

10800 N

10600 N

10400 N

10200 N

10000 N

S E. CORNER ROYAL BANNER

ELDORADO

DIORITE DIKE

O.P.

A 14405 I.P.

W.P. OPULENCE C.G.

NORTH BOUNDARY

Cliff

Trench 5

GEOCHEMICAL ANOMALY

CHALCOPYRITE

48°

MAIN ACCESS ROAD

Trench

Canyon

Trench 4

Shaft 2

SILICEOUS SHALE

Trench 3 (C-1)

Shaft 3

Shaft 1

Trench 1

Pit #1

Trench

OPULENCE C.G.

GEOCHEMICAL ANOMALY

WEST BOUNDARY

Adit 1

Draw

SULPHUR COATING

Adit 2

CONGLOMERATE

HEMATITE

43864

PETER 1 I.P.

DOLPHIN #2 F.P.

SPARK NO 1

59°

NO 2 POST — OPULENCE C.G.

SOUTH BOUNDARY OPULENCE (L. 1910)

LEGEND

(1)	DIORITE
(2)	PYROXENITE
(3)	SHALE, SILICEOUS, CHERTY
(4)	SANDSTONE
(5)	QUARTZITE
(6)	DACITE
×	COPPER OXIDATION
	JOINTING
■	CLAIM POST
	SHAFT
- - -	GEOCHEMICAL ANOMALY 100 p.p.m Cu

Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1900 MAP #1

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA W.R. NEWMAN

REGISTERED PROFESSIONAL ENGINEER W.R. NEWMAN PROVINCE OF ONTARIO

1968

TO ACCOMPANY A REPORT BY
W R NEWMAN Ph D., P ENG
DATED DECEMBER 1968

1900

LUCKY STRIKE MINES LTD.

OPULENCE GROUP

OLALLA, B.C.

SCALE: 1" = 100'