

3270

GEOLOGICAL REPORT

TEEK 1 - 22, Taseko Lakes

51° - 123° *90015W*

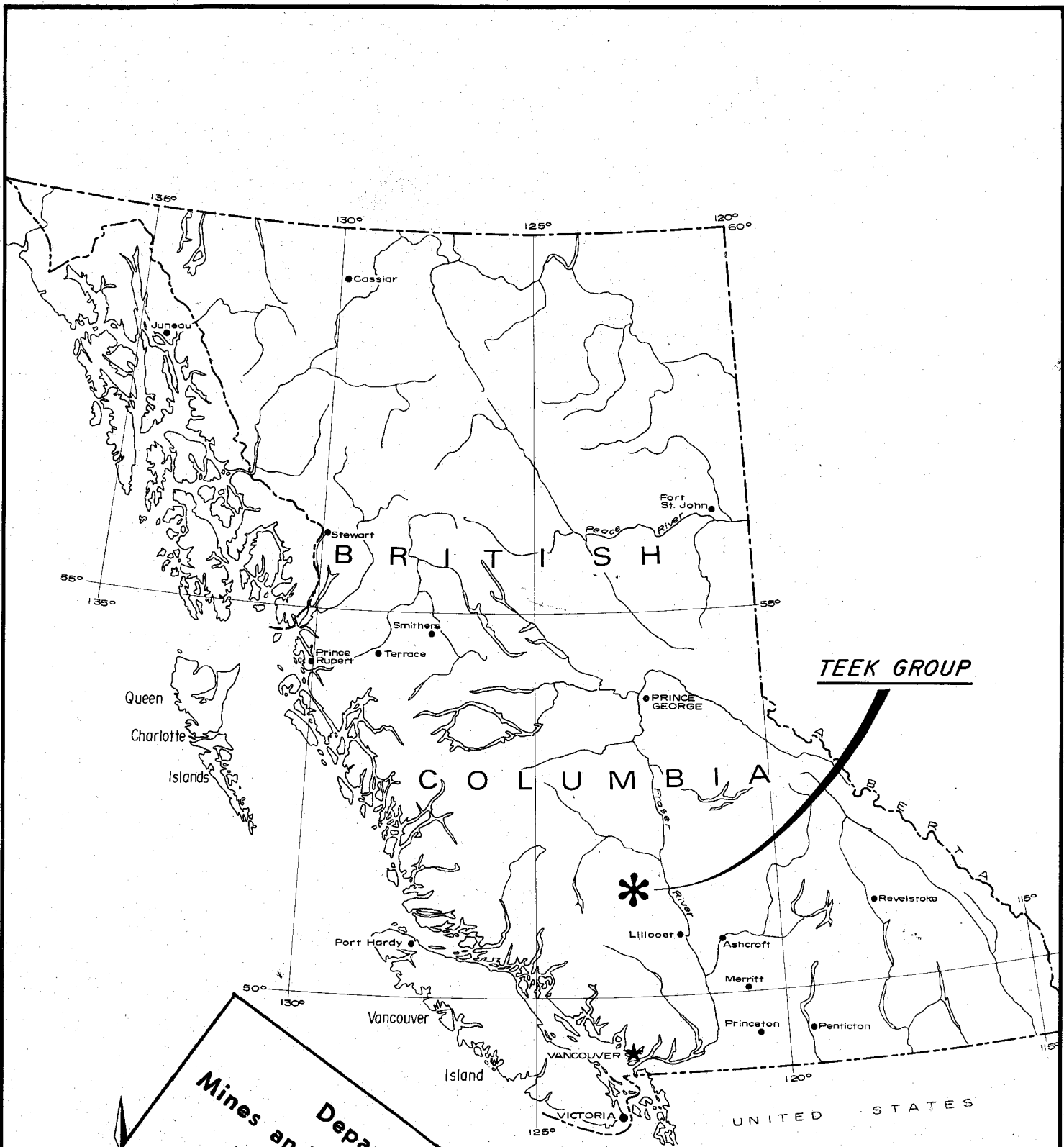
L. E. DeBriske, B.Sc.,
Franklin L. C. Price, P. Eng.

HAFUNO RESOURCES LTD.

September 10 - 24, 1971

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3270 MAP



Department of
 Mines and Petroleum Resources
ASSESSMENT REPORT
 3270 MAP #1

FIG. 1

FRANKLIN PRICE PROFESSIONAL MINING ENGINEER	
HAFUNO RESOURCES LTD.	
LOCATION MAP	
TEEK CLAIMS CLINTON M.D.	
SCALE: 1" = 136 Miles	DATE: SEPT., 1971

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#1 FIGURE 1 - LOCATION KEY

2 FIGURE 2 - GEOLOGY OF TEEK CLAIMS

INTRODUCTION

Hafuno Resources Ltd. conducted a program of basic exploration on its Teek claims. Exploration has involved line cutting, a geochemical survey, prospecting and geological mapping. This report deals mainly with the geological mapping which was of ten days duration and intended only to give a description and outline of the rock units on the property (See Fig. 2).

The central part of the property in an east-west direction is covered by heavy overburden wherein the intrusive contact with volcanics is expected, and much of the time was used investigating this area in search of rock outcrops.

Mineralization is known to exist in the area. Recently disseminated copper mineralization was reported within the granitic rocks in the southern part of the property. Extensive development work on a gold prospect approximately one-half mile west of the western boundary of the Teek claims was done on the Taylor-Windfall property during 1923 to 1925. In recent years extensive surface exploration work is evident over a large area on a copper prospect of the National Nickel Company to the immediate southwest of the Teek claims.

LOCATION AND ACCESS

The area of the claims is approximately 130 miles north of Vancouver, B. C., Canada (See Fig. 1). The claims are located along the northern side of Taseko River, approximately eight miles southeast of the south end of Taseko Lakes in the Clinton Mining Division. The latitude of the claim area may be shown as $51^{\circ} 08'$ and the longitude as $123^{\circ} 30'$.

Access can be gained to the property by approximately 167 miles of road from Williams Lake, by helicopter, or to the south end of Taseko Lakes by float equipped aircraft. The city of Williams Lake is serviced daily by air, rail, and highway. All necessary services and equipment are available there including charter air service.

TOPOGRAPHY AND VEGETATION

The elevation of Taseko Lakes is 4,400 feet above sea level and the summit of Taseko mountain five miles to the east is 10,057 feet above sea level, thus indicating the steep mountainous nature of the area.

Vegetation found in the area of the claims consists primarily of pine forests at lower elevations and fir at higher elevations to timberline.

PROPERTY

The claims are:

Teek 1 - 22

Record Numbers

19043 - 19064

HISTORY AND EXPLORATION

The general area has received considerable exploration by major and junior companies, as well as by individual prospectors throughout the years since the early 1900's. Early prospecting and development was restricted to precious metals, principally gold, and high grade deposits of base metals. In recent years much emphasis has been placed on searching for "porphyry" type copper deposits. The oldest property developed in the area was the Taylor-Windfall mine on Battlement Creek, where gold was extracted from alluvium and a small tourmaline vein during the early 1920's to 1935. Other gold deposits were reported during the same period a few miles to the southwest of the Taylor-Windfall mine and copper averaging 2.67% in the heads. In subsequent years base metal prospects, principally containing copper minerals, were located along the Tchaikagan, Lord, and Taseko river basins. Recently, extensive surface work has been done in the Taseko river area by Phelps Dodge Corporation and by National Nickel Mines on prospects of disseminated copper mineralization.

PRESENT EXPLORATION OF TEEK CLAIMS

A geochemical program was reportedly completed on September of 1970 involving some twelve miles of line and 590 soil samples on a line spacing of 700 feet in an easterly direction and 100 foot sample intervals along the lines in a north and south direction within the Teek claims. The soil samples were tested for copper content in parts per million and the results from this information were plotted on a line map.

At least three anomalous areas were shown in the previous geochemical survey which was of a reconnaissance nature. It was decided to cut lines at shorter intervals within the previously sampled area for closer spaced soil sampling and possible future geophysical investigations. As of September 16, 1971 approximately 36,000 feet of line had been cut and chained. These line co-ordinates were used for the purpose of geological mapping and prospecting.

Two days, September 15 and 16, were spent geologically mapping the western part of the Teek group. In addition, several days were spent prospecting on the claims.

GEOLOGY

Regional Geology

In describing the general geology of the southern part of the Taseko Lakes area information is extracted from Mr. Dolmage's report on the area, publication No. 2063 of the Geological Survey of Canada.

The geological boundaries in this region follow in a general way the physiographic boundaries and strike in a westerly and north-westerly direction. The granitic rocks of the Coast Range batholith, quartz diorite and granodiorite, intrude Triassic volcanic and sedimentary rocks to the north. These Triassic rocks consist of thick flows of andesite and basalt, chiefly the former, interbedded with great thicknesses of andesitic and rhyolitic tuff and smaller amounts of sandstone, conglomerate, argillite, and limestone. The less competent beds, such as the argillites, are intensely sheared in places. The rocks along the contact of the Coast Range batholith are metamorphosed and extensively impregnated with pyrite and pyrrhotite.

Local Geology

The rock types found on the property from south to north are granitic, tuffaceous, and andesitic which trend slightly north of east (See Fig. 2). The granitic rocks are characteristically medium to coarse grained and a gray colour on fresh surfaces. The composition

generally appears to be that of granodiorite, but slight variations occur indicating probable different stages of intrusion. A thick band of siliceous tuff follows the granodiorite to the north, but location of the contact is uncertain because of extensive overburden in the central part of the claim block. The tuff is characteristically light coloured, fine grained and welded, but with fine breccia evident occasionally. The andesites are dark in colour typically having feldspar laths scattered throughout a fine grained to aphanitic groundmass.

Slickensiding was noted in rock talus near the contact of tuff and andesite, thus indicating fault activity which probably follows the contact area as shown by the east trending linear topography at that locality.

Bedding and jointing attitudes taken are of a random pattern indicating possible distortion within the respective rock units.

SUMMARY

The geology of the Teek claims appears favourable to the hosting of possible economic quantities of mineralization. Gold was found within a silicified tuff band on the Taylor-Windfall property a short distance to the west of the Teek claims, and it is almost certain that the tuff bands on both properties are one and the same. Minor quantities of copper mineralization were found disseminated in the granitic rocks on the southern part of the property, an area which likely extends across the Taseko River onto ground that has received extensive surface work including bulldozer trenching and diamond drilling by National Nickel Mines.

REFERENCES

Geol. Surv., Canada, Sum. Rept. 1924, Chilko Lake
and Vicinity by Victor Dolmage.

Hafuno Resources Ltd., Property Rept. Jan. 12, 1971
by Franklin L. C. Price.

M. M. R. 1934 and 1935.

FRANKLIN L. C. PRICE
PROFESSIONAL MINING ENGINEER

310 THE BARRARD BUILDING • VANCOUVER 5, CANADA • TELEPHONE 685-6733 • AREA CODE 604 • CABLE PRICE O VANCOUVER
 205 HOOKER HOUSE • 7 ANGEL PLACE • SYDNEY, AUSTRALIA • TELEPHONE 28-4613 • CABLE PRICE O SYDNEY

September 28, 1971

Hafuno Resources Ltd.,
1250 - One Bentall Centre,
Vancouver 1, B.C.

Dear Sirs,

Re: GEOLOGICAL REPORT - TEEK GROUP
CLINTON MINING DIVISION

We are enclosing a geological report that has been prepared from the field work of L. E. DeBriske.

The total amount of work involved in this report may be outlined as:

D. C. Wing - September 10 - 18	@ \$50.00/day	\$ 400.00
K. McCrory " 10 - 18	@ \$25.00/day	200.00
Truck Rental		280.00
Supplies		45.00
Groceries		103.00
R. Renshaw - September 15 - 18	@ \$100.00/day	400.00
L. E. DeBriske " 15 - 24	@ \$ 50.00/day	450.00
Air Charter - Trans Mountain		269.50
Drafting - typing		78.00
Air Ticket - 3 men		132.00
To Professional Fee - F. Price	3 days @ \$150.00	450.00

\$ 2,807.50

Declared before me at the

Vancouver

, in the

Province of British Columbia, this

September 29th

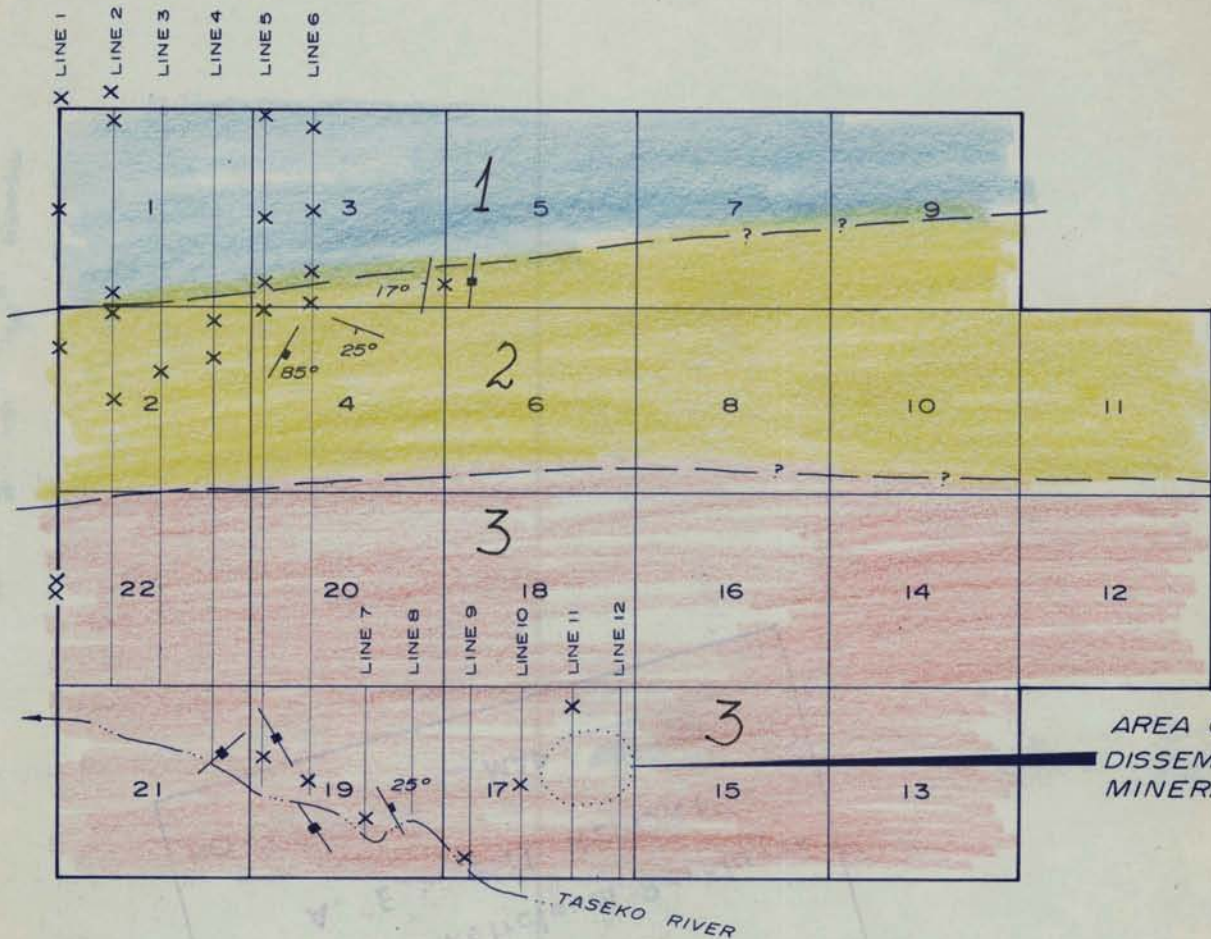
, A.D. *71*

Respectfully submitted,

Franklin L. C. Price
Franklin L. C. Price, P. Eng.

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

flcp/c
encl



SYMBOLS

- X Rock Outcrop
- Assumed Contact
- 17° / Bedding, Dip & Strike
- 25° / Jointing, Dip & Strike

LEGEND

- 1 ANDESITE ; dark, porphyritic to fine grained.
- 2 TUFF ; siliceous, light colored, fine grained and welded to fine breccia.
- 3 GRANODIORITE ; medium to coarse grained, grey color but color varies to green with alteration, composition varies slightly indicating the possibility of more than one stage of intrusion.

FIG. 2

FRANKLIN PRICE PROFESSIONAL MINING ENGINEER
HAFUNO RESOURCES LTD.
GEOLOGY OF THE TEEK CLAIMS CLINTON M.D.
SCALE : 1 inch = 1500 FEET
DATE : September , 1971
GEOLOGY BY : A. L. Debriske

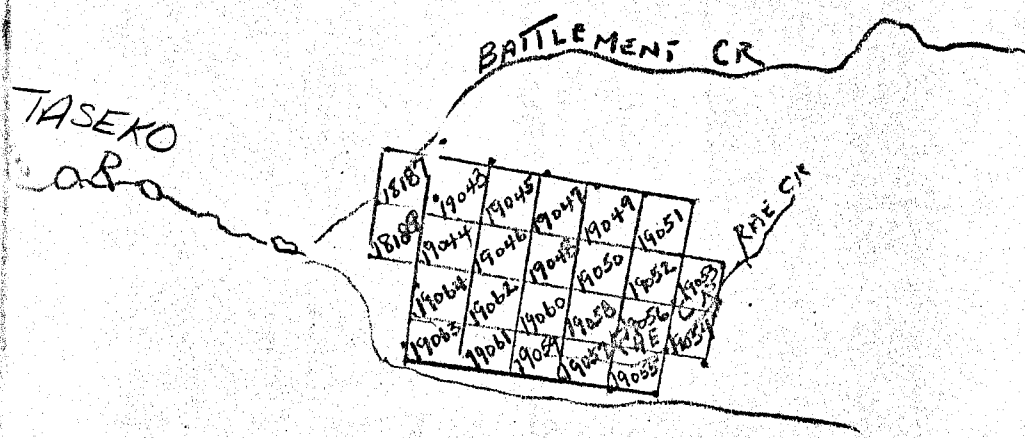
Franklin Price

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HOWARD HOWARTH
TRM # 1-22 HCS 19043-64



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Record Numbers 19043-64M
Mining Division Clinton
Map Number 60
Date of Return Oct 15/67
Date Completed Nov 26/67
INITIALS PK

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