

83-579-11482

10/84

DIAMOND DRILLING REPORT

ON THE

H.K. CLAIM / DART CLAIM GROUP

RECORD NO. 1302(10)

NICOLA M. D.

N.T.S. 92I/7E

LONG. 120° 40.5' W

LAT. 50° 17.5' N

for

H. KRUSE (OWNER)

by

JAMES F. BRISTOW, P. ENG.

VICTORIA, BRITISH COLUMBIA

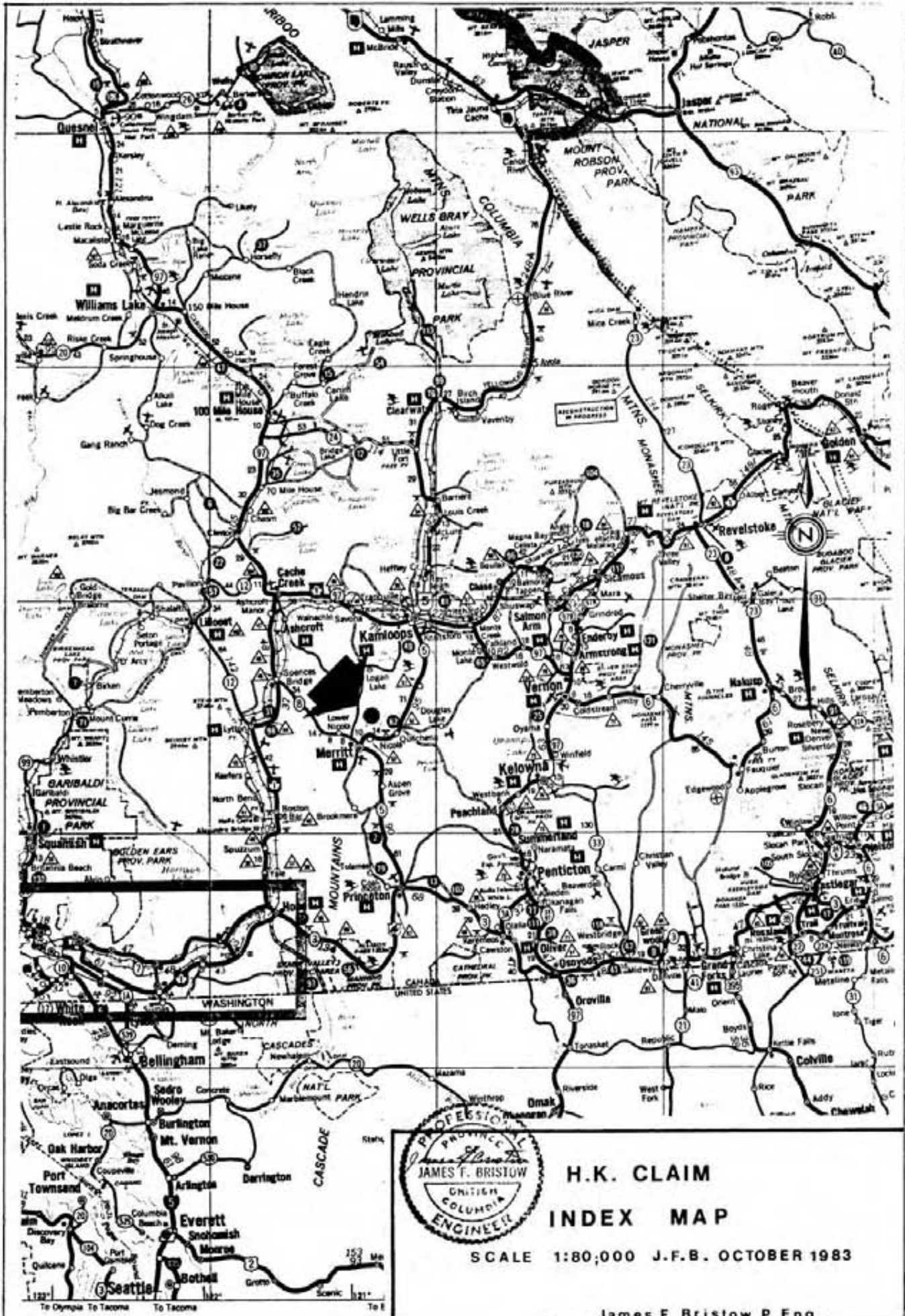
OCTOBER 31, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,482

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**H.K. CLAIM
INDEX MAP**

SCALE 1:80,000 J.F.B. OCTOBER 1983

James F. Bristow P. Eng.

INTRODUCTION

This assessment report was prepared for Mr. H. Kruse, owner of the Dart Group of Mineral Claims. It contains the results obtained from 61.27 metres of BQ wire line diamond drilling conducted by Rainbow Diamond Drilling Ltd., of Merritt, British Columbia, between 24th and 28th July, 1983.

PROPERTY

The current property consists of three contiguous modified grid mineral claims owned by H. Kruse of 2276 Merritt Avenue, Merritt, British Columbia. The legal descriptions as shown on the Ministry of Energy, Mines and Petroleum Resources G Forms are as follows:

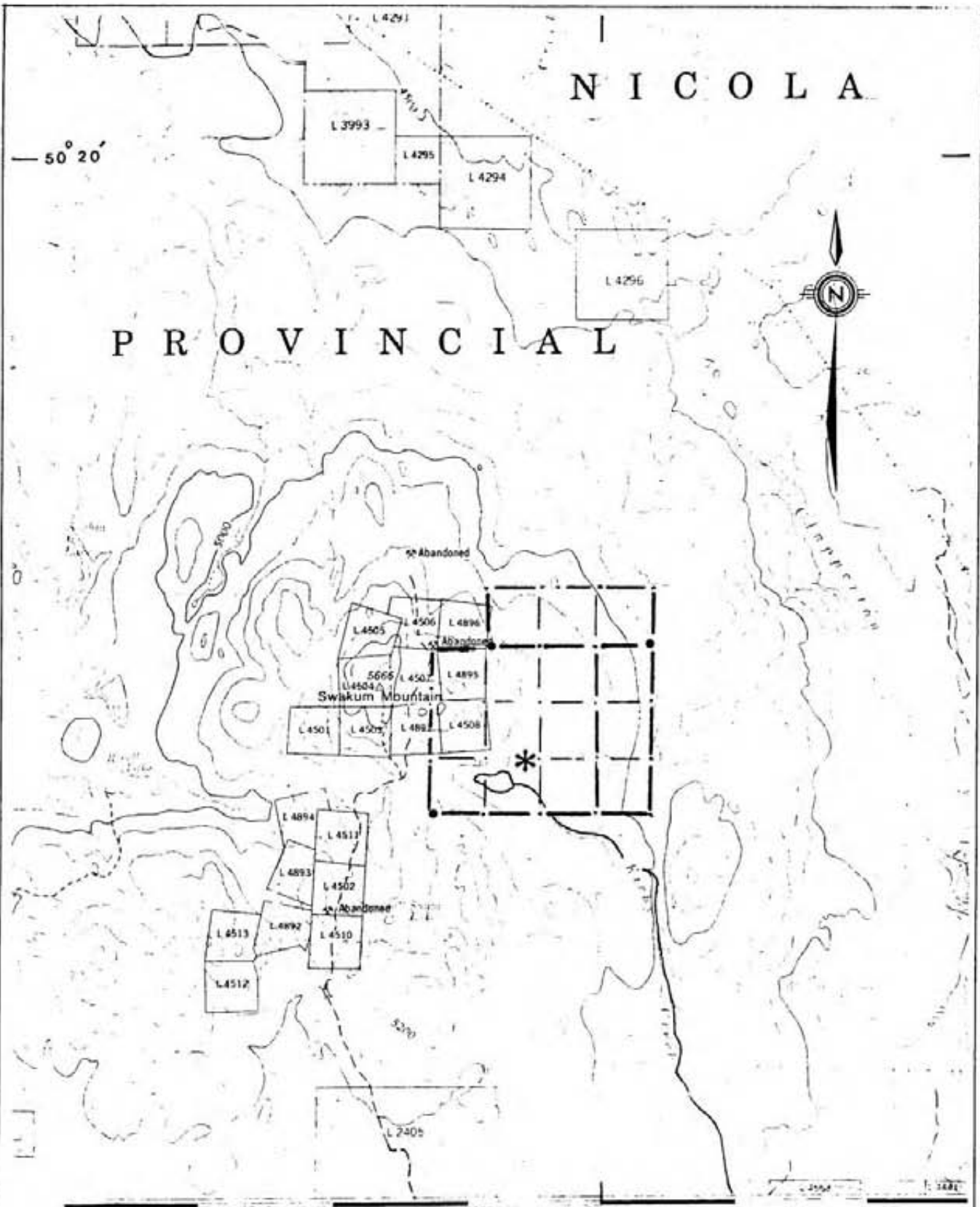
<u>CLAIM NAME</u>	<u>UNITS</u>	<u>RECORD DATE</u>	<u>RECORD NUMBER</u>
H.K.	9	29 October 1982	1302
SHOE	3	1 November 1982	1303
MURIEL	3	1 November 1982	1304

These claims were grouped under the Mineral Act as the DART GROUP 20 October, 1983.

LOCATION AND ACCESS

The DART CLAIM GROUP is located immediately east of the summit of Swakum Mountain in south-central British Columbia. The legal Corner Post of the H.K. Claim is reportedly located 1000 metres west of the 29 km point on the newly constructed Swakum Mountain logging road. The centre of the properties lies approximately 29.5 km by logging and tote road north of the Kamloops-Merritt highway. Travel on the property by two-wheel drive vehicle can be difficult during inclement weather.





50° 20'



N I C O L A P R O V I N C I A L

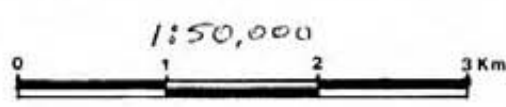
Abandoned

Abandoned

Swiskum Mountain

Abandoned

120° 40'



Diamond Drill Holes - - - - *

Legal Corner Posts - - - - ●



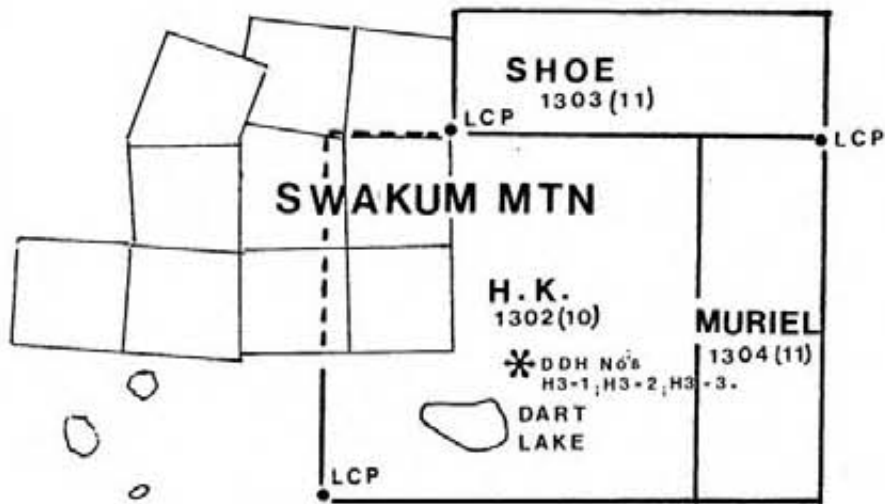
**H.K. CLAIM
DART GROUP**

DIAMOND DRILL HOLE LOCATIONS
AFTER R.T.(Dick) GRIFFITHS Sr.

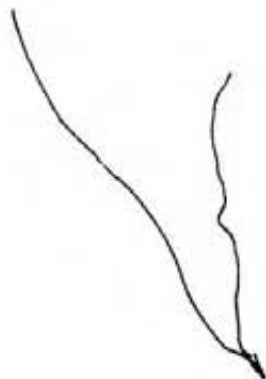
James F. Bristow P. Eng.



REVELLE LAKE



LCP



0



HENSELL LAKE

DART CLAIM GROUP CLAIM "MAP"	
NICOLA M. D.	N.T.S. 921/7E
SCALE 1:31680	OCTOBER 1983
James F. Bristow P. Eng.	



TOPOGRAPHY AND CLIMATE

Topography on the property is moderate with elevations ranging from 1460 to 1675 metres above sea level.

Climate is also moderate with heavy snowfall common only at higher elevations during the winter months.

The area is forested with mainly ponderosa and lodgepole pine, fir and spruce. Much of the region has been previously logged off and is currently forested with sparse second growth.

HISTORY

The first mineral occurrence reported in the area dates back prior to 1900 when the Peacock (Hunter) Group was staked adjacent to Clapperton Creek.

The first mineral discovery on Swakum Mountain itself was reportedly made by Oscar A. Schmidt in 1916 when he located the Lucky Mike Claim. Between 1916 and 1942 a number of minor shipments of ore were made from Crown Grant Mineral Claims located on the mountain. However, to date no major discovery has been made in the area.

The current work was initiated after receipt of a single anomalously high grade gold assay result was obtained from a piece of vein material exposed during road construction.

DISCUSSION

Regional Geological Mapping (G.S.C. Map 886A) indicates that the property is underlain by Nicola Group Volcanics and Sediments.

W. E. Cockfield describes the mineralization as follows:

"The deposits consist of veins, disseminations and replacements carrying lead, zinc and copper minerals, and in one deposit fair amounts of scheelite. Under present conditions the deposits would be of value chiefly for their content of precious metals..."

Intrusive rocks have reportedly not been identified adjacent to the mineral showings. However, the skarn assemblage developed along some of the contacts between Nicola Andesitic volcanics and limestones suggest their close proximity.

The purpose of the three short BQ wire line diamond drill holes drilled by Rainbow Diamond Drilling of Merritt, B.C., was to test for a downward continuation of the vein material exposed at surface.

Unfortunately subsequent surface sampling did not duplicate the initial anomalous assay result. The three drill holes were all collared from one setup as tabulated below.

<u>DRILL HOLE</u>	<u>AZIMUTH/DIP</u>	<u>LENGTH (Metres)</u>
H3-1	180°/-45°S	27.43
H3-2	214 /-45°S	18.29
H3-3	214 /-65°S	15.55

No vein material was intersected by DDH H3-1. Short intersections of vein material were intersected in DDH H3-2 and H3-3. The vein material has been split and should be assayed for comparison with surface sampling results.



DISCUSSION, cont'd

The diamond drill core is currently stored in Rainbow Diamond Drilling's shop located at 2345 Granite Avenue, Merritt, B.C.

The diamond drill core was logged by the writer 19 October, 1983.

COST STATEMENT

Rooi Enterprises Ltd.

Invoice #

James F. Bristow, P. Eng.

Professional Services

Core Logging and Report Preparation \$687.50

Rainbow Diamond Drilling Ltd.

Invoice # 154

Surface Diamond Drilling 2,512.50

Coquihalla Trucking Ltd.

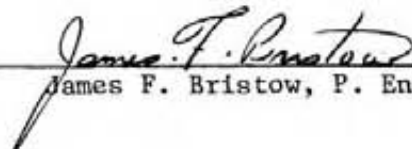
Invoice # 15402

Mobilization & Demobilization 400.00

TOTAL \$3,600.00

Detailed invoices are attached (See Appendix I)

CERTIFIED CORRECT:

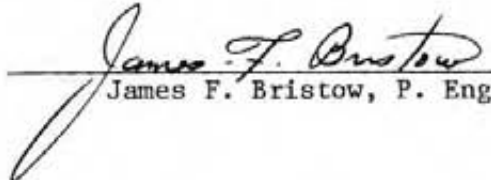

James F. Bristow, P. Eng.

QUALIFICATIONS & CERTIFICATION

I, JAMES F. BRISTOW, of 1840 Penshurst Road, in the Municipality of Saanich, Province of British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia with a B.A. Degree (Geology and Physics).
2. I am a Professional Engineer registered in the Province of British Columbia.
3. I am a member of the Canadian Institute of Mining and Metallurgy, the Association of Exploration Geochemists and the Associated Scientific and Technical Societies of South Africa.
4. I have actively practised my profession in mineral exploration and mining geology since my graduation in 1957.
5. That this report is based on the inspection of diamond drill core stored in the shop of Rainbow Diamond Drilling Ltd., 2345 Granite Avenue, Merritt, B.C., and the records pertinent to the drilling of this drill core.
6. That I have no interest, either direct or indirect in the Dart Claim Group, nor do I expect to receive any.

DATED at Victoria, British Columbia, this 31 day of October, 1983.


James F. Bristow, P. Eng.

A P P E N D I X I

INVOICES

ROOI
ENTERPRISES
LTD

CONSULTING GEOLOGICAL ENGINEER

1840 PENSURST RD-VICTORIA B.C.
V8N 2P1
PHONE(604)7215403

HEDIN MINING
BOX 1657
MERRITT, B.C.
VOK 2B0

INVOICE 107(A)
DATE 1 November, 1983
FILE No.

Professional Services:-

James F. Bristow, P. Eng.
Logging Diamond Drill Core
19 October, 1983 and
Preparing Report

\$687.50

TOTAL \$687.50



A BOOKKEEPING CHARGE OF 2% PER MONTH WILL BE CHARGED ON ACCOUNTS OVER 30 DAYS
THIS IS AN ACCOUNT FOR PROFESSIONAL SERVICES AND IS DUE ON PRESENTATION

James F. Bristow P. Eng.

Rainbow Diamond Drilling Ltd.

P.O. Box 1657 · Merritt, B.C. · V0K 2B0 · Phone 378-2958

July 26, 1983

Invoice # 154

Hedin Mining,
Box 1007,
Merritt, B.C.,
V0K 2B0

SURFACE DRILLING NEAR SWAKUM MOUNTAIN

<u>HOLE</u>	<u>DEGREE</u>	<u>FOOTAGE</u>	<u>COST</u>
H3-1	-45	0 ft. to 90 ft. = 90 ft. @ \$12.50 ft. =	\$1,125.00
H3-2	-45	0 ft. to 60 ft. = 60 ft. @ \$12.50 ft. =	\$ 750.00
H3-3	-65	0 ft. to 51 ft. = <u>51 ft.</u> @ \$12.50 ft. =	<u>\$ 637.50</u>
Total footage drilled			201 ft.
Total footage cost			\$2,512.50

Received July 28, 1983 \$1,912.50
Balance owing \$ 600.00





Coquihalla Trucking Ltd.

P.O. Box 1007
Merritt, B.C. - V0K 2B0
Phone 378-6125

Invoice No 15402

Date AUGST 10

Customer _____

Order No. _____

Shipped To: HEDIN MINNING

Terms 30

Address BOX 1657 MERRITT

HAUL DRILL + CAT

TO AND FROM SWAKUM

MNT.

\$400⁰⁰

2% Interest Charged on Overdue Accounts



A P P E N D I X I I

DIAMOND DRILL LOGS

HEDIN MININGDIAMOND DRILL LOG

LOCATION:	H. K. CLAIM	HOLE NO:	H3-1
AZIMUTH:	180°	PAGE:	1 of 1
DIP:	-45°	LOGGED BY:	J.F. BRISTOW
LENGTH:	27.43 Metres	DATE:	19 October, 1983
SIZE:	BQ		

METERAGEDESCRIPTION

0 - 5.18

Nicola Volcanics - mainly a volcanic fragmental with numerous angular red fragments up to 30 mm
 Up to 1% disseminated Pyrite
 Maximum core length 12 cm
 Overall recovery 98%
 4.88 m to 5.33 m mainly rusty rubble recovered

5.18 - 7.32

Sediment (?) silicified greywacke - occasional angular grey fragment
 7.16 m - 1.5 cm quartz veinlet 40 to 50° to C.A. (core axis)
 Overall recovery 95%

7.32 - 27.43

Nicola Volcanics - grey-green silicified fragmental - up to 1% disseminated pyrite
 Maximum core length up to 30 mm
 Overall core recovery 95%
 Prominent fracture directions 20°, 45° & 70° to C.A.
 - Most fracture plains coated with white carbonate
 - Surface mineralization does not appear to be intersected in D.D.H., H3-1
 - Fragmental does not appear to have visible structures.

Diamond Drill Hole ends @ 27.43 metres.



HEDIN MININGDIAMOND DRILL LOG

LOCATION:	H. K. CLAIM	HOLE NO:	H3-2
AZIMUTH:	214 ^o	PAGE:	1 of 1
DIP:	-45 ^o	LOGGED BY:	J. F. BRISTOW
LENGTH:	18.49 Metres	DATE:	19 October, 1983
SIZE:	BQ		

METERAGEDESCRIPTION

0 - 0.91

Overburden

0.91 - 5.64

Nicola Volcanic - mainly a grey-green volcanic fragmental

- Much of the core has a brecciated appearance
- Only rubble recovered 1.52 to 1.68
- @ 3.35 m and 4.72 m healed breccia zone up to 5 cm wide with aphanitic black matrix
- Maximum core length 20 cm
- Most common joint sets 40^o & 70^o to C.A.

5.64 - 6.10

Quartz vein containing minor disseminated chalcopyrite and pyrite

6.10 - 18.29

Nicola Volcanic - silicified volcanic fragmental

- 6.7 m to 7.32 m mainly rubble recovered
- Maximum core length recovered 40 cm
- Overall recovery 85%
- Major joint sets @ 20^o, 40^o & 70^o to C.A.
- 14.6m hematite plated on fractures
- 13 m to 14.9 m numerous angular reddish fragments
- 17 m to 17.7 m partially brecciated cemented with carbonate

Vein 5.64 m to 6.10 m similar to surface mineralization

Diamond drill hole ends @ 18.29 metres.



HEDIN MININGDIAMOND DRILL LOG

LOCATION:	H. K. CLAIM	HOLE NO:	H3-3
AZIMUTH:	214 ^o	PAGE:	1 of 1
DIP:	-65 ^o	LOGGED BY:	J. F. BRISTOW
LENGTH:	15.55 Metres	DATE:	19 October, 1983
SIZE:	BQ		

METERAGEDESCRIPTION

0 - 1.22

Overburden

1.22 - 15.55

Nicola Volcanic - mainly Volcanic fragmental

- 1.22 m to 7.32 m has reddish cast due to numerous angular red fragments up to 1 cm in size
- 2.10 m to 2.90 m and 3.66 to 4.27 m mainly rubble recovered
- Maximum core length recovered 50 cm
- Overall recovery 90%
- Prominent joint sets 20^o, 40^o & 70^o to C.A.

Carbonate veining up to 5 mm

- 8.38 m to 9.60 m brecciated quartz-carbonate vein containing minor disseminated chalcopyrite and pyrite
- 9.60 m to 10.06 m partially brecciated with healed carbonate veinlets up to 5.5 cm

Vein material between 8.38 - 9.60 m is similar to mineralization seen in surface trenching.

Diamond Drill Hole ends @ 15.55 Metres.

