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Nuspar Resources Ltd.

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# The Eaglehead Project






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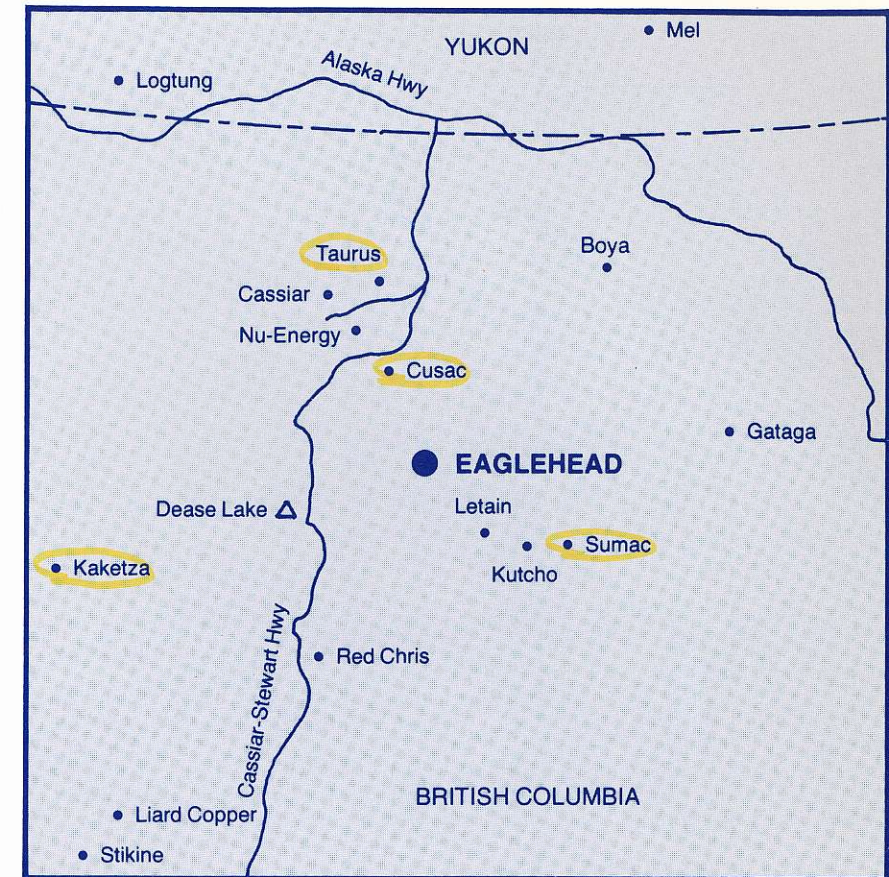
A joint mining venture with Esso Resources

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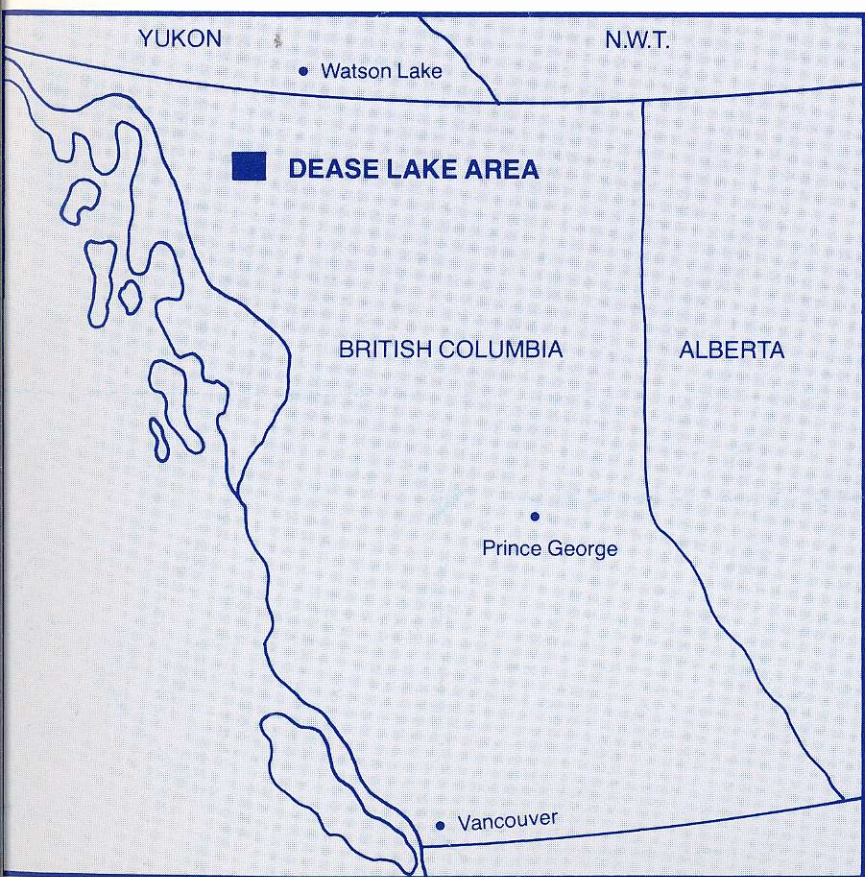
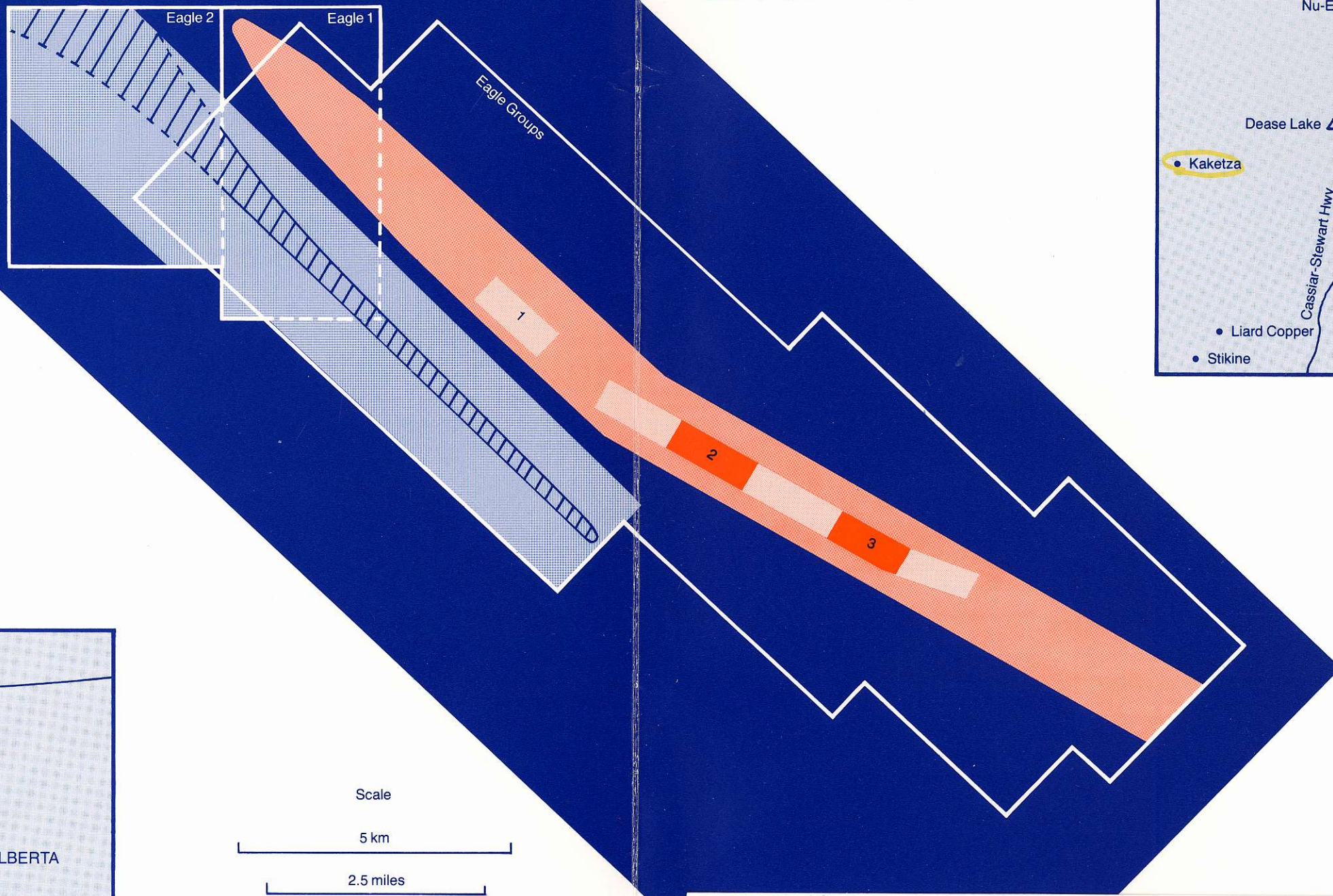


# The Eaglehead Property

-  Area under investigation
-  Drill-indicated reserves (see text)
-  Inferred limit of copper porphyry potential
-  Area proposed for future exploration and drilling (1980 program)
-  Area of proposed airborne coverage (target unit hatched)



- 1 Camp Zone
- 2 Pass Zone
- 3 Bornite Zone



## NUSPAR RESOURCES LTD.

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EAGLEHEND PROJECT.

Bornite Zone.

Section 96E

Scale 1" = 100'

# Eaglehead Update

# 5

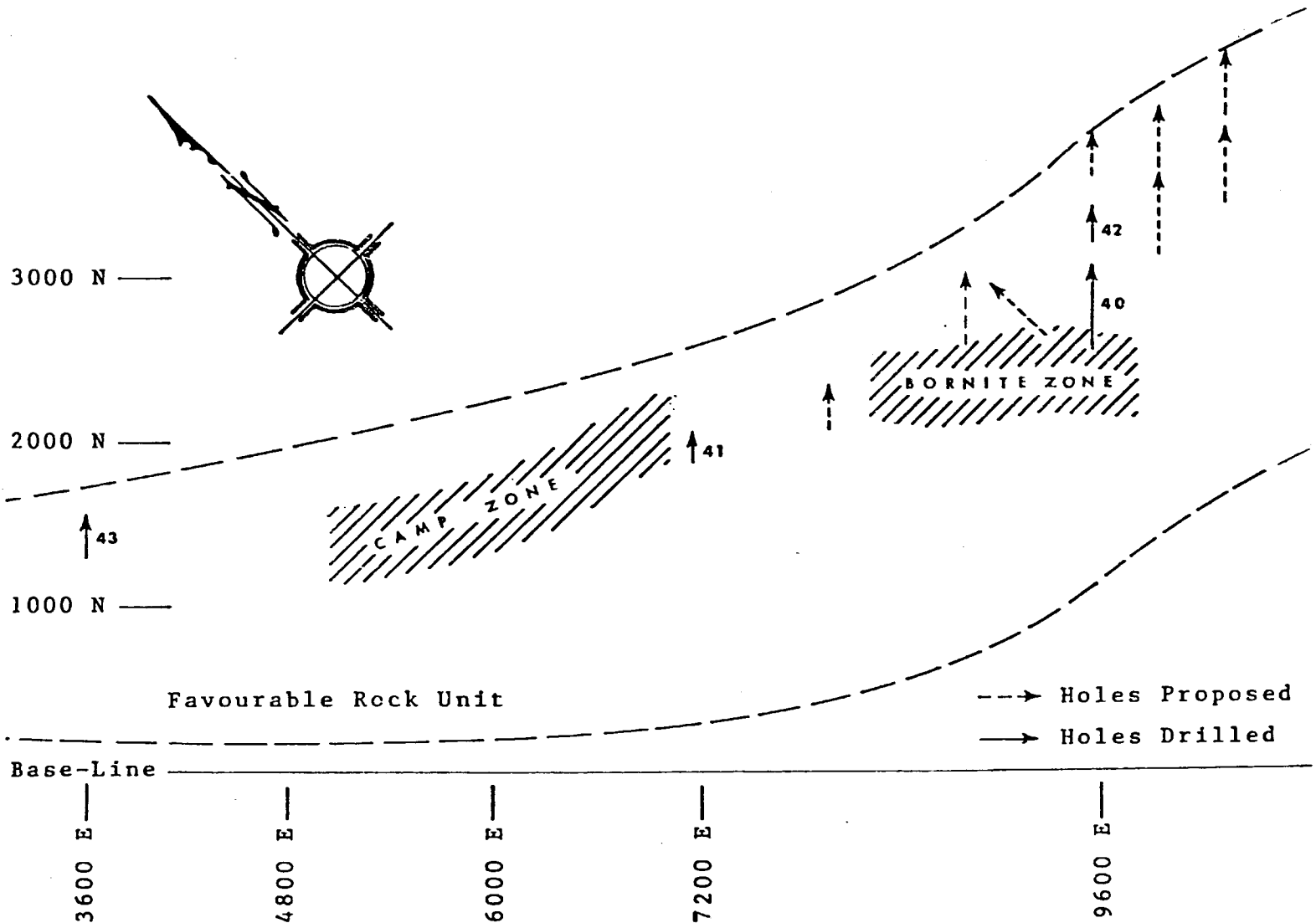
August 5th, 1980

## DIAMOND DRILL HOLE PLAN

### EAGLEHEAD PROJECT

1980 D.D. Holes, Completed and Proposed

Scale: 1 inch = 1,000 feet



Refer to previous Reports for summary of drilling results to date.

One of a series of Progress Reports on the 1980 Exploration Program at Eaglehead Lake, British Columbia.

Prepared and issued by NUSPAR RESOURCES LTD.  
305-535 Thurlow St., Vancouver, B. C. V6E 3L2

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# Eaglehead Update

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1

July 17, 1980

Drill crew and technical support staff under the direction of T. C. Scott, Project Geologist, are on the property and drilling will commence by week end. Camp construction and grid work were completed prior to the arrival of drill equipment.

Six holes, to a maximum depth of 650 feet, have been sited to explore potential extentions of the "Pass" and "Bornite" zones of copper porphyry mineralization. Copper, silver and molybdenum values will be tested.

Western Geophysical Aero Data Ltd. have contracted to carry out an airborne survey commencing approximately July 25, 1980. This survey is intended to determine the lateral extent of a sulphide bearing volcanic unit located adjacent to and south of the main porphyry zone. Positive results would justify an expanded program of surface exploration.

Results will be summarized and issued at regular intervals over the duration of the exploration season.

Submitted on behalf of the Board,



H. S. Aikins

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# Eaglehead Update

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2

July 31st, 1980

Hole 40, first diamond drill hole in the 1980 drill program, explored an extension of the bornite zone to a depth of 809 feet. This hole, drilled at minus 55 degrees, stopped due to equipment limitations in strong copper-molybdenum mineralization. T. C. Scott, Project Geologist, estimates that molybdenum values in the lower two hundred feet of this hole substantially exceed those previously encountered. Copper values are also expected to be higher than average, with bornite present in significant amounts. Approximately three hundred feet of this hole have been sampled and are presently in for assay.

Hole 41 has been abandoned due to ground problems and Hole 42 is being collared some five hundred feet from Hole 40.

The airborne survey scheduled for July 25th is now expected to be completed during the first week in August.

Options representing 300,000 shares have been exercised by the underwriting group. This will insure sufficient funds to extend the 1980 drilling program as it appears more work will be recommended on the basis of the initial hole.

Submitted on behalf of the Board,



H. S. Aikins

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# Eaglehead Update

# 3

August 8th, 1980

Assay results from Hole 40 have been summarized by C. K. Ikona, P. Eng.

<u>Footage</u>	<u>Intersection</u>	<u>% Copper</u>	<u>% Mo.</u>
563 to 809	246 feet	0.46	0.023
722.5 to 809	86.5 feet	0.61	0.045

This hole stopped in mineralization on reaching the depth capacity of the drill.

Significant molybdenum values were encountered throughout the section but tend to improve at depth. The "copper equivalent" value of this 246 foot intersection is estimated to be 0.69%.

A third hole completed 400 feet from Hole 40 has been reported to show strong copper mineralization between 111.0 and 340.0 feet. A number of narrow zones were also located between 340 and 721 feet. Samples have been submitted for assay.

Both holes explore an extension of the "Bornite" zone.

The fourth hole is being drilled to test ground between the Pass and Bornite zones.

Submitted on behalf of the Board,



H. S. Aikins  
President

NUSPAR RESOURCES LTD.

# Eaglehead Update

4

August 28th, 1980

Assay averages on diamond drill hole No. 42 have been computed for the upper portion of the hole as follows:

<u>Interval</u>	<u>Length</u>	<u>Copper</u>	<u>Molybdenum (as Mo.)</u>
83.0 - 104.5	21.5 ft.	0.14%	.001
104.5 - 334.0	229.5 ft.	0.50%	.002

Several narrow zones encountered deeper in the hole are estimated to contain in excess of 1% copper over core lengths of up to 10 feet. Assay results are not yet available.

C. K. Ikona, P. Eng. conducted an examination of the property on August 14th and 15th and has filed a Report containing the following comments:

"At the time of this visit Diamond Drill Holes 40 and 42 had been completed. D.D.H. 41 had been abandoned in overburden (at 103 feet) and drilling on D.D.H. 43 was in progress."

"D.D.H.'s 40 and 42 were (located on) Section 96 East. Both holes showed extensive intersections of copper and molybdenum mineralization and appear to represent an important extension of the Bornite mineralized zone ... They will also add substantially to probable reserves in the property."

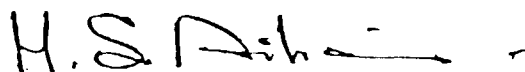
"D.D.H. 43 has so far intersected 50 feet of copper mineralization. This intersection correlates well with previous intersections west of the Pass Zone." Note: this hole was subsequently abandoned with provision for later deepening.

Mr. Ikona concludes by recommending continuation and completion of the original program of developing continuity and extensions between the Pass and Bornite Zones and recommends an additional 4,000 feet of drilling to test eastward extensions of the Bornite zone. A larger drill with increased depth capacity is recommended for this work.

"Nuspar" and "Esso" have approved these recommendations and a Longyear Model 38 drill has been obtained for this purpose.

An additional \$220,000 has been allotted to finance the additional work.

Submitted on behalf of the Board,



H. S. Aikins  
President

NUSPAR RESOURCES LTD.



# The Eaglehead Project

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## **Location and Access**

The property is located in northern British Columbia about 48 kilometres east of Dease Lake, a small community on the Stewart-Cassiar Highway. The claims cover the valley and divide Eaglehead Creek and Hard Creek. The property covers approximately 7,500 acres comprising 147 mineral claims.

Present access is by fixed-wing float plane to the southside of Eaglehead Lake and from there by helicopter or foot trail to the property. Future access by road will probably be from Dease Lake past Tanzilla Butte, down Cariboo Creek and along the Turnagain River to reach the Kutcho deposit. By this road, at about 60 kilometres from Dease Lake, there is a good route up Bobner Creek for 13 kilometres to the Eaglehead property.

## **History**

In 1963, copper mineralization was located in granitic float near Eaglehead Lake by Kennco field personnel. From 1963 to 1965 Kennco conducted geochemical, geophysical and geological work and drilled four short holes.

The claims were allowed to lapse and were restaked by Spartan Explorations in 1970 which optioned the property to Imperial Oil Ltd. in August, 1971.

Imperial continued the geological, geochemical and geophysical work and drilled an additional 30 diamond drill holes between 1971 and 1976.

During this period, Spartan Explorations was reorganized as Nuspar Resources Ltd. and in 1979 Nuspar resumed operations on the property which had sat idle since 1976.

## **Project Objectives**

Eaglehead is being explored as a potential large-scale, low-grade, copper-molybdenum deposit. Minor precious metal values have been encountered and will be further investigated. Priority work entails drill testing of favourable areas extending from the known mineralization. A subordinate objective is further investigation of a zone of massive sulphides in an adjacent volcanic unit.

## **Summary & Recommendations**

Acting as operator, Nuspar Resources expended in excess of \$200,000 on behalf of the project in 1979. The work consolidated previous survey data and tested, by diamond drilling, a possible mode of occurrence of the mineralization developed during the course of the work.

Reserve calculations for the 3,600 feet in which sufficient information is available to allow construction of preliminary cross-sections indicate the possibility of some 29,000,000 tonnes of 0.41% copper. Similar mineralization may extend over an indicated length of some 16,000 feet. Further drilling will be required to evaluate the full potential of the deposit.

A 1980 field program consisting of additional geological mapping, geophysical surveys and drilling is recommended.

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