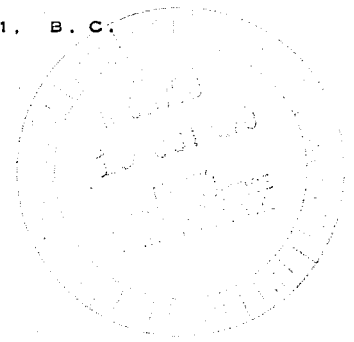
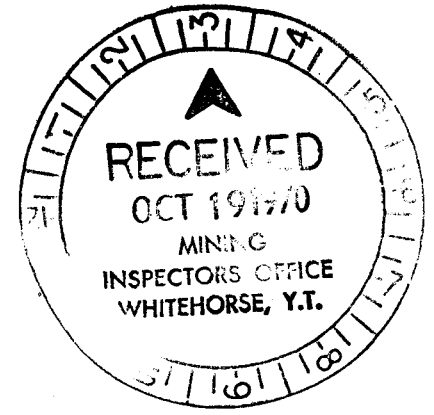


# MACDONALD CONSULTANTS LTD.

SUITE 12-425 HOWE STREET, VANCOUVER 1, B.C.



Report on the  
Nabob Group of Claims  
in the  
Dawson Range, Y. T.



for

Delta International Minerals Ltd. (N.P.L.)

by

MacDonald Consultants Ltd.

E. D. Dodson, P. Eng.

February 3, 1970

This report has been reviewed by the Geological Evaluation Unit and is recommended to the Commission to be considered as representative work in the amount of

\$1686.62

*[Handwritten Signature]*

Position of *[Signature]*  
Responsible for *[Signature]*

Considered as representative work under Section 50 (4) of the Quartz Mining Act

*[Large Handwritten Signature]*  
Commissioner of Mineral Technology

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## MAPS

Location Map

Claims Map

## INTRODUCTION

The Nabob group of claims consists of 28 contiguous quartz claims located approximately 6 miles west of the Casino Silver Mines Ltd. copper prospect in the Dawson Range, Yukon Territory. Recent drilling on the Casino property has shown extremely large tonnages of low grade copper mineralization.

The Nabob group is currently primarily a location bet; that is, its main attraction is its nearness to known mineralization. No showings are as yet known on the ground but at least some of the geological elements present at Casino exist on the Nabob group.

## CLAIMS

The Nabob group consists of 28 quartz claims:

<u>Claim</u>	<u>Grant Number</u>	<u>Date Recorded</u>
Nabob 1 - 28	Y38801 - Y38823	October 20, 1969

## HISTORY

The claims were staked in the fall of 1969 as a direct result of the realization of the potential of the Casino mineralization. So far as the writer knows the ground covered by the Nabob group has received no previous attention. No work has as yet been done on the current claims.

## LOCATION AND ACCESS

The property is located in the north end of the Dawson Range on the headwaters of Coffee Creek, a distance of approximately 12 miles south of the Yukon River. It is approximately 190 air miles northwest of Whitehorse, Yukon Territory and 90 miles south of Dawson, Yukon Territory.

Elevations range from approximately 3,000 to 5,000 feet above sea level.

Access is by helicopter from Whitehorse or Dawson. Although the distance from Whitehorse is twice that from Dawson, logistics favour using the Whitehorse base.

## GEOLOGY

### a.) Regional Geology

The property lies within the northwest part of the Dawson Range, an inlier of the Yukon Plateau. The geology was mapped by D. D. Cairnes in 1916 (Klotassin, Yukon Territory, Geological Survey of Canada Publication No. 1702).

Cairnes shows the chief rock group as Cretaceous or Jurassic intrusives of granitic to gabbroic composition with associated porphyries. The northernmost claims may lap onto Cairnes undifferentiated Precambrian rocks (Yukon Group).

Recent work on the Casino property and elsewhere suggests that the porphyries are, in part at least, Tertiary in age.

### b.) Economic Geology

The Dawson Range contains numerous porphyry bodies of Tertiary Age. Recent work by several groups has shown the presence of at least near-commercial mineralization associated with various of these bodies. Copper, molybdenum and silver are the metals of interest with copper currently looking most attractive.

The most significant of the recent discoveries as they relate to the Nabob group is the discovery on the Casino ground. A silver showing on this

property has been worked on for many years but only in the past year has it been recognized that a porphyry-copper type deposit occurs here. Further, this deposit shows significant surface leaching and subsequent supergene enrichment.

The Casino mineralization occurs associated with Tertiary intrusives and a breccia pipe. The search for similar deposits is primarily a search for a similar environment. In this area of rounded, detritus-covered hills a porphyry body may be evident only as an area of porphyry float surrounded by float of other types.

Rocks seen by the writer on the Nabob group were chiefly granitic in composition, although some strongly lineated rocks suggest metamorphosed sediments. Feldspar porphyry was noted as float but no evidence of mineralization was noted.

#### RECOMMENDATIONS

The writer recommends that the following work be carried out on the Nabob group of mineral claims:

##### Geological Reconnaissance

Because of the abundant detrital cover outcrop mapping alone would give very little information. The writer therefore recommends a program of float and outcrop mapping. This would be done on lines spaced 400 feet apart crossing the claim blocks and all major drainages.

Air photos of the area should be available so that the field crew can fill in between lines in any areas of interest.

##### Geochemical Survey

Coincident with the geological work outlined above soil samples should

be taken along the lines at 400 foot intervals. In areas underlain by rusty, altered, mineralized or porphyritic rocks this spacing would be reduced to 200 feet at the discretion of the field geologist. Silt samples should be taken at all intersections of the lines with local drainage features.

BUDGET

Line cutting and flagging 30 line miles @ \$100/line mile	\$ 3,000.00
Geological Mapping & Geochemical Sampling 1 Geologist and 2 Helpers - 18 days	2,000.00
Geochemical Analysis 500 samples (Copper and Molybdenum)	1,000.00
Camp Costs	800.00
Helicopter	2,000.00
Other Transportation, Communications, Mobilization and Freight	1,000.00
Consulting Charges and Consultants' Expenses	<u>1,200.00</u>
Sub-Total	\$11,000.00
Contingencies	<u>1,000.00</u>
Total	<u><u>\$12,000.00</u></u>

Respectfully submitted,  
MACDONALD CONSULTANTS LTD.

E. D. Dodson, P. Eng.

EDD/st

# MACDONALD CONSULTANTS LTD.

SUITE 12 - 425 HOWE STREET, VANCOUVER 1, B. C.

February 3, 1970

## CERTIFICATE

I, Earl D. Dodson, do hereby declare that:

- 1.) I reside at 2990 St. Kilda Avenue, North Vancouver, B. C. and have business address at 12 - 425 Howe Street, Vancouver 1, B. C.
- 2.) I am a graduate in geology of the University of British Columbia 1954.
- 3.) Since 1954 I have been employed in various phases of mineral exploration; in the latter years in posts of considerable responsibility.
- 4.) I am a professional engineer registered in the Associations of Professional Engineers of the Province of British Columbia and the Yukon Territory.
- 5.) I visited the property for approximately one hour on October 25, 1969.
- 6.) I have no interest, direct or indirect, nor do I expect to receive either directly or indirectly any interest in the properties or securities of Delta International Minerals Ltd. (N.P.L.).

Respectfully submitted,

MACDONALD CONSULTANTS LTD.

E. D. Dodson, P. Eng.

EDD/st

MACDONALD CONSULTANTS LTD.

SUITE 12 - 425 HOWE STREET, VANCOUVER 1, B.C.

February 3, 1970

To Whom It May Concern:

This is to certify that on October 25, 1969 I examined portions of the staking on the Nabob group of claims and found them to be staked in accordance with the Yukon Quartz Mining Act.

Yours very truly,

MACDONALD CONSULTANTS LTD.

E. D. Dodson, P. Eng.

EDD/st

NABOB  
GROUP

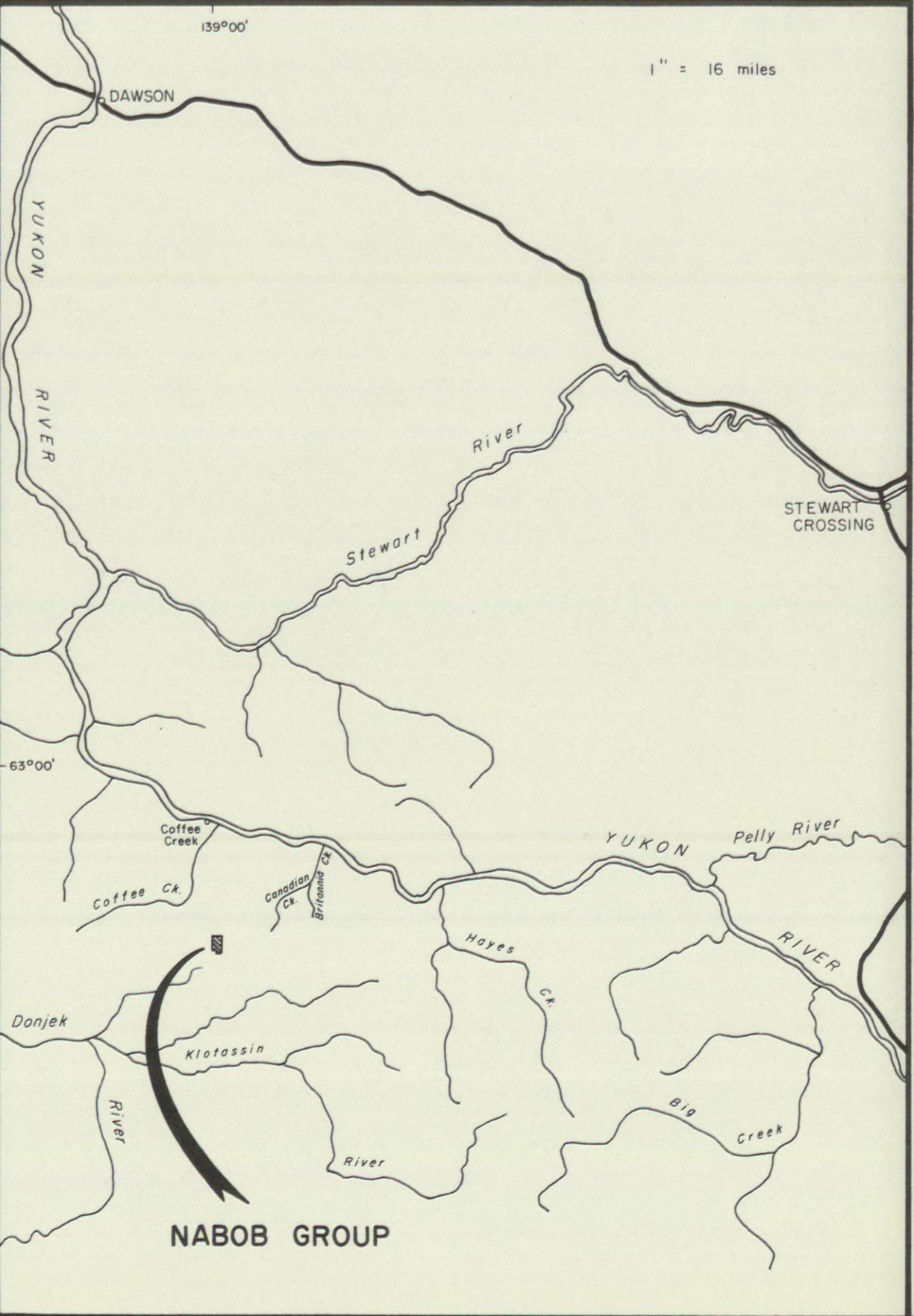
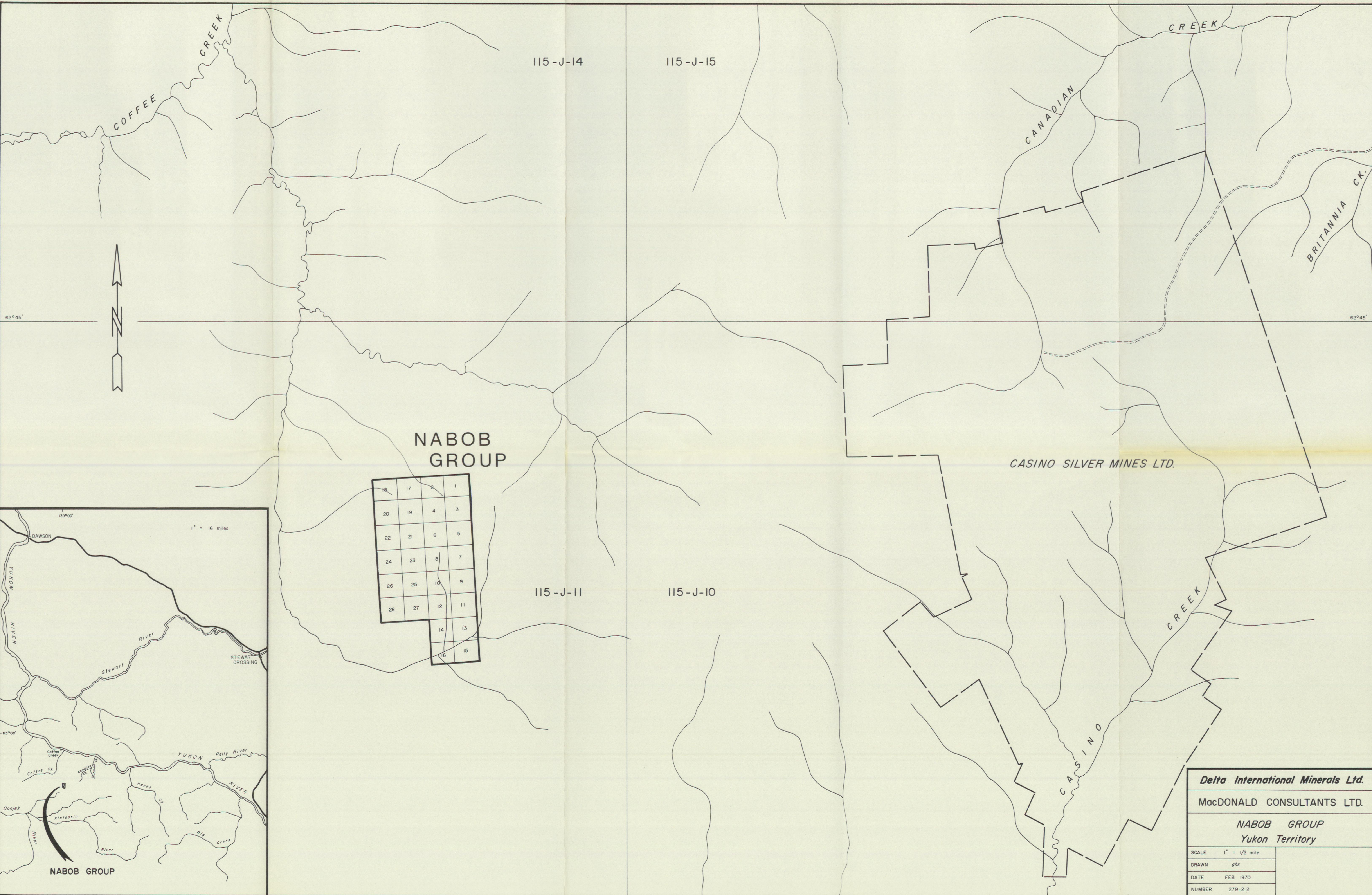


**DELTA INTERNATIONAL**  
MINERALS LTD

MacDONALD CONSULTANTS LTD.

SCALE	1" = 190mi
DRAWN	ghs
DATE	FEB '70
NO.	279-2-1

**NABOB CLAIMS**  
*Yukon Territory*  
**LOCATION MAP**



**NABOB GROUP**

18	17	2	1
20	19	4	3
22	21	6	5
24	23	8	7
26	25	10	9
28	27	12	11
		14	13
		16	15

<b>Delta International Minerals Ltd.</b>	
MacDONALD CONSULTANTS LTD.	
<b>NABOB GROUP</b> Yukon Territory	
SCALE	1" = 1/2 mile
DRAWN	ghs
DATE	FEB. 1970
NUMBER	279-2-2