

TABLE OF CONTENTS

	Page No.
INTRODUCTION	1
LOCATION AND ACCESS	1
TOPOGRAPHY, TIMBER, WATER, ETC.	2
EARLY HISTORY	2
PROPERTIES	2
REGIONAL GEOLOGY	2 - 3
ECONOMIC APPRAISAL OF THE PROPERTY	3
RECOMMENDATIONS	3
ESTIMATE OF COSTS	4

MAPS

Location Map of Nick

Claim Group - - - - - following

Seeking Plan of Nick

Claim Group - - - - - in pocket

This report has been examined by the Geological Institute and is recommended to be considered as a preliminary estimate of

2000.00

D. B. Craig

Geological Institute of Canada, Ottawa, Ontario, Canada

[Signature]
Commissioner of Yukon Territory

**REPORT ON THE HIGH CLAIM GROUP,
WHITEHORSE MINING DISTRICT, YUKON TERRITORY**

INTRODUCTION

This report covers a reconnaissance examination of the High Claim group located in the Dawson Range of the Whitehorse Mining District of the Yukon Territory.

The examination was carried out with the aid of a helicopter on January 9th, 1970, the principal purpose being to locate the claim group on the ground, note the physico-geological features of the terrain, and where possible, to collect rock samples for identification.

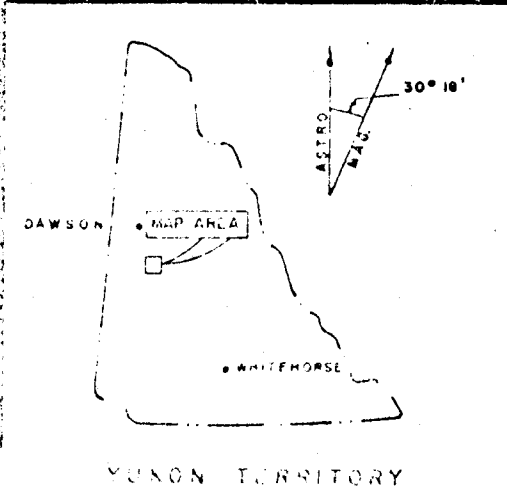
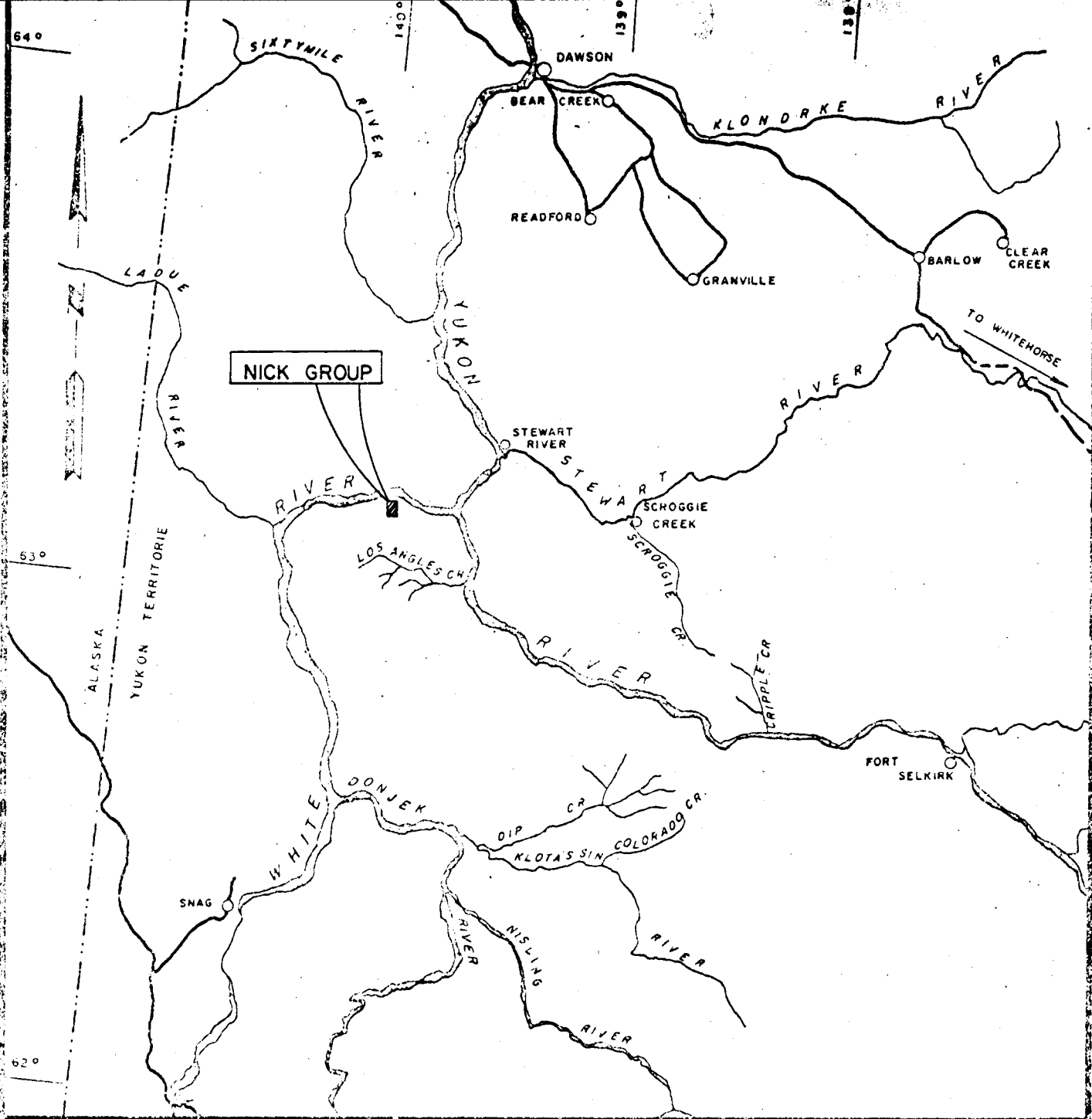
The examination was made at the request of Mr. P. Poliochuk of 514 - 510 W. Hastings St. Vancouver 2, B.C.

LOCATION AND ACCESS

The High claim group consisting of 30 located claims lies in the Dawson Range just to the south of the White River, and west of the Yukon River. The center of the claim group would be at about Lat. $63^{\circ} 11'$, Long. $139^{\circ} 53'$. The average elevation is about 2000 feet.

Access at present is by helicopter out of Whitehorse, or by light plane to the Casino airstrip, and by helicopter from the airstrip to the property.

Location and staking plans drawn from the government claim maps accompanies this report.



LOCATION MAP
 OF THE
NICK CLAIM GROUP
 WHITEHORSE MINING DIVISION, Y.T.

20 0 20 40
 SCALE IN MILES

DATE
JANUARY 1970.

TOPOGRAPHY, TIMBER, WATER, ETC.

The area is unglaciated, and covered with light residual overburden. The terrain is considered mountainous, but not rugged, consisting of rounded hills and valleys forming the drainage for a number of small creeks which flow northward into the White River, and which reportedly could supply sufficient water for exploration purposes.

Light timber and scrub cover most of the area.

EARLY HISTORY

There is no record of previous exploration work on the property.

PROPERTIES

According to the claim map the property consists of 30 located claims, the Nick #1 to #30, record numbers Y40037 to Y40066.

REGIONAL GEOLOGY

According to G.S.C. sheet 711A (Ogilvie), the claims are centered over a stock of granite or syenite porphyry classified as being of tertiary age which has intruded the Precambrian gneisses, quartzites and schists of the Yukon series.

Aeromagnetic Map #42930 (Los Angeles Creek) shows a magnetic "high" (58,000 g.) roughly co-inciding with the outline of the Tertiary intrusive. The significance of magnetic anomalies in this region has not

been determined, but it should be noted that the Casino Mines mineral body is reported to lie on the flank of one of these magnetic highs.

GENERAL APPRAISAL OF THE PROPERTY

The mineral potential of this area is completely unknown, but cannot be discounted, as it should be noted that the porphyry type copper-molybdenum body of Casino Mines was also unknown until recently when it was discovered by geochemical prospecting.

There are two interesting features of the property, first, the magnetic anomaly associated with the Tertiary intrusive, and secondly, that this intrusive is of a similar type and age to the intrusive stock which forms the host rock for the Casino Mines mineral body. On this basis the property is considered worthy of further examination.

RECOMMENDATIONS

1. The claim group should be covered with a reconnaissance geochemical survey with samples taken on a 400 ft. x 400 ft. grid pattern. Concurrently with this, rock samples should be collected from as many locations as possible to provide data for a rough geological map of the claim area.
2. Further recommendations will be contingent on the results of the above.

ESTIMATE OF COSTS

Based on estimates by geological consultants in the Whitehorse area, the cost of carrying out the first recommendation would be about \$150.00 per claim, or approx. \$4,500.00 for the entire claim group.



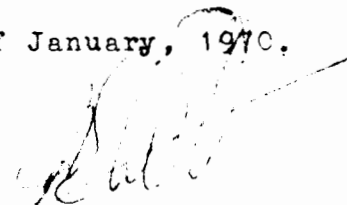
**J.F. Knight, P. Eng.
Consulting Mining Engineer**

C E R T I F I C A T E

I, JAMES PAUL ELWELL, of 4744 Caulfeild Drive,
West Vancouver, B. C., do hereby certify that:

1. I am a Consulting Mining Engineer residing at 4744
Caulfeild Drive, West Vancouver, B. C. and with an office at
1029 - 510 West Hastings Street, Vancouver 2, B. C.
2. I am a graduate in Mining Engineering from the University
of Alberta in 1940, and am a Registered Professional Engineer
in the Province of British Columbia.
3. I have no personal interest, directly or indirectly, in
the properties examined.
4. The findings in the report are the result of personal
examinations of the property made by me January 9, 1970, and
to the Government Geological maps referred to.
5. In the area examined, I am satisfied that the staking
has been correctly done.

DATED at Vancouver, B. C. this 15th day of January, 1970.


James Paul Elwell, P. Eng.

D.C. Findlay, Ph.D

GEOLOGIST

~~XXXXXXXXXXXXXXXXXXXX~~ BOX 220
~~XXXXXXXXXXXXXXXXXXXX~~ MORRISBURG, ONTARIO
~~XXXXXXXXXXXX~~ (613) 543 - 3258

BOX 1029
WHITEHORSE, YUKON, CANADA

Rainbow Lake Explorations Ltd.(N.P.L.)

NICK MINERAL CLAIMS

Lower White River Area, Yukon
Whitehorse M.D. N.T.S. 115 0-4

PROPERTY EXAMINATION REPORT

for

Selco Exploration Company Limited

16 October, 1970

D.C. Findlay, F.G.A.C.

D.C. Findlay, Ph.D

GEOLOGIST

~~122 BROADVIEW AVENUE~~ BOX 220
~~OTTAWA K1Z 1N2 CANADA~~ MORRISBURG, ONTARIO
~~(613) 722-1768~~ (613) 543-3258

BOX 1029
WHITEHORSE, YUKON, CANADA

NICK MINERAL CLAIMS

Lower White River Area, Yukon

Whitehorse M.D. N.T.S. 115 0-4

SUMMARY AND CONCLUSIONS

1. The NICK claims, consisting of 30 contiguous mineral claims located about 1 mile south of White River and about 8 miles west of its junction with Yukon River, were examined September 22, 1970.
2. The claims are underlain by banded quartz-biotite-plagioclase schist and granitic gneiss of the (?) Proterozoic Yukon group and by a medium-grained hornblende (±biotite) - granodiorite intrusion, probably of Cretaceous age. The intrusive rock is only locally altered, and shows no evidence of mineralizer activity. The rock is locally sub-porphyrific in texture, but not conspicuously so.
3. Reconnaissance soil and stream-silt samples, collected from various localities within and near the claim area showed only trace amounts of molybdenum, but yielded several sub-anomalous (between 1 and 2 times background) copper values.
4. In consideration of the local geology, as well as the difficulty of access of the claims, the property is not recommended for option.

...../2

INTRODUCTION

The NICK claims, owned by a private company - Rainbow Lake Explorations Ltd.*- were examined with Dr. A.M. Pearson, agent for the Company, on September 22, 1970. The examination consisted of a ground traverse across the northern part of the property, coupled with spot helicopter landings for stream silt sampling purposes along the eastern drainage flank of the claims.

CLAIMS

The Nick property consists of 30 mineral claims recorded in the Whitehorse Mining District, Yukon. Claim and Grant numbers, and anniversary dates are as follows:

<u>Claim No.</u>	<u>Grant No.</u>	<u>Anniversary Date</u>
NICK 1 - 30	Y 48037 - Y 48066	9 January, 1971

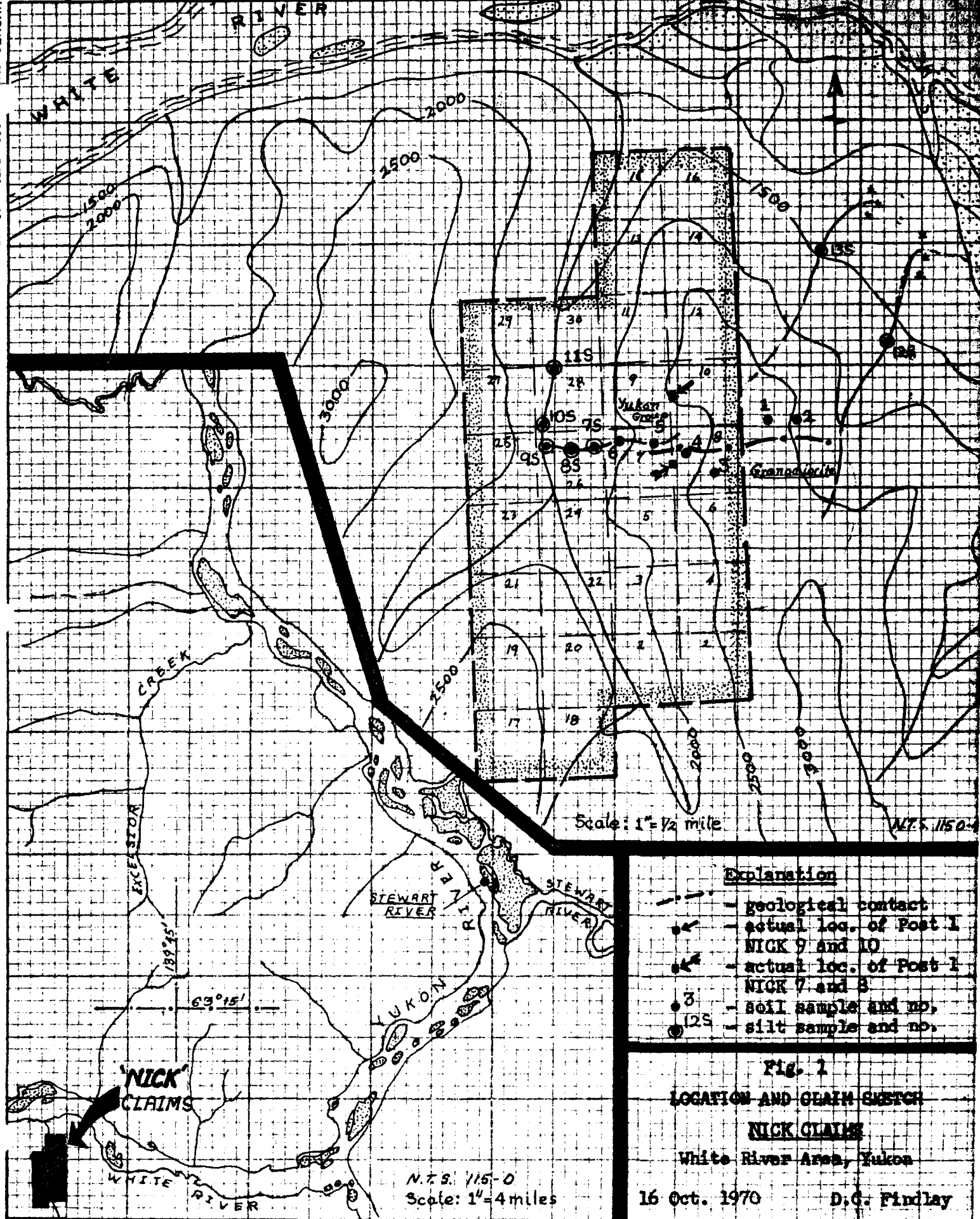
LOCATION AND ACCESS

The NICK claims are located above the south bank of White River about 8 miles west of its confluence with Yukon River. The property is about 62 air miles south of Dawson, Yukon. The geographic coordinates of the approximate centre of the claim block are: 63°11' N; 139°52.5' W. The National Topographic Series reference sheet is 115 0-4.

Access to the NICK claims is by helicopter from Dawson or from the Casino airstrip, about 70 miles to the southeast, or, alternately, by river boat from Dawson or Stewart River settlement, 20 miles to the north-east (via river). During appropriate high water conditions in White River, floatplane access could probably be achieved. Within the claim area, helicopter access is limited due to moderately heavy timber cover.

* At the time of this property examination, the NICK claims had not yet been transferred to Rainbow Lake Explorations Ltd., although this was anticipated in the near future.

HUGHES-OW
335-5071 10 x 10



- Explanation**
- - - geological contact
 - actual loc. of Post 1 NICK 9 and 10
 - actual loc. of Post 1 NICK 7 and 8
 - 3 - soil sample and no.
 - 125 - silt sample and no.

Fig. 1
LOCATION AND CLAIM SKETCH
NICK CLAIMS
 White River Area, Yukon
 16 Oct. 1970 D.G. Findlay

N.T.S. 115-0
 Scale: 1" = 4 miles

PHYSIOGRAPHY

The NICK claims lie along the west flank of a north-trending ridge that rises from about 1,500 feet A.S.L. just south of White River to about 3,000 feet A.S.L. along its summit. Short, seasonally-dry gulleys drain the ridge area into main tributaries entering White River along the east and west flanks of the ridge.

Moderately-heavy spruce stands, with some poplar, cover the claim area.

GEOLOGY

The NICK claims lie near the southwest corner of Geological Survey of Canada Map 711A (Ogilvie - Bostock, 1942) which shows a small 'granite porphyry' (unit 5, op. cit.) enclosed by 'gneiss, quartzite, schist etc.' of the Yukon Group (unit E, op. cit.). It was the reported presence of the porphyry that prompted the initial staking of the NICK claims.

Within the claim area the intrusive rock outcrops about 800 feet south of the NICK 9 and 10 No. 1 claim posts. North of this point the claims are apparently underlain by Yukon Group quartz-biotite-plagioclase schist containing local granitic gneiss bands. Schistosity trends generally west and dips about 45 degrees north. The contact between Yukon Group rocks and the granitic rocks was not observed, but the two types were examined within 100 feet of each other. The granitic rock is a medium to medium-coarse-grained hornblende granodiorite, locally with prominent biotite. Near the contact the granodiorite is deep-weathered, decomposed, and locally altered. Elsewhere the rock is generally fresh except for typical incipient saussuritization of feldspars. In places a crude, sub-porphyrific texture is present, but this appears to be of local development only.

Geochronological data are not available for intrusive rocks in this area of Yukon; however, the textural and mineralogical character of the NICK granodiorite suggests that it is probably Cretaceous - a product of the 'Klotassin' plutonic event of western Yukon (about 90 to 100 m.y.) rather than being a member of the younger (early Tertiary?) and apparently economically more significant intrusive/extrusive sequences (e.g. the Casino 'Patton Hill dacite').

GEOCHEMICAL RESULTS (see also Appendix)

Soil samples (6) were taken from drainage slopes and collector gulleys along the east and west upper flanks of the main ridge. Stream silt samples (7) were collected from a small creek draining the west-central part of the claims (underlain by granodiorite), from the main drainage stream flowing north to White River, and from two small creeks draining the eastern part of the claim block.

All samples yielded only trace amounts of molybdenum, but some above-background copper values were recorded. Assuming a background copper content of 30 p.p.m. for this type of environment, 3 of the soil samples and one of the silt samples yielded anomalous copper (42 to 64 p.p.m.)


A long the east side of the claim block recent staking (MAX claims, June, 1970) has tied on to the Nick claims, and flagging markers found on creeks draining the eastern part of the area suggests that the tie-on staking was based on stream silt sample results. The MAX claims had not been recorded as of 30 September, 1970, however.

CONCLUSIONS AND RECOMMENDATIONS

The presence of low reconnaissance copper values in soil and silt samples from the NICK claims suggests that follow-up work might be warranted on the basis of these incipient geochemical results. However, the results are of marginal significance only, and coupled with the local geology (in particular, the character of the intrusive rock) and the relative remoteness of the claims, the prospects here do not seem encouraging.

The NICK claims are not recommended for option by your company.

Morrisburg, Ontario
October 16, 1970


D.C. Findlay, F.G.A.C.

REFERENCE

Bostock, H.S, 1942. Ogilvie, Yukon Territory; Geol. Surv. Canada, Map 711A.

APPENDIX

GEOCHEMICAL RESULTS - NICK CLAIMS *

Soil Samples**

<u>Sample No.</u>	<u>Copper</u> (P.P.M.)	<u>Molybdenum</u> (P.P.M.)
Nk 70 - 1	42	Tr.
- 2	60	Tr.
- 3	30	Tr.
- 4	22	Tr.
- 5	64	Tr.
- 6	30	Tr.
-		

Silt Samples**

Nk 70 - 7S	30	Tr.
- 8S	21	Tr.
- 9S	18	Tr.
-10S	14	Tr.
-11S	10	Tr.
-12S	50	Tr.
-13S	22	Tr.

* Refer to Fig. 1. for sample locations

** Analyses by Whitehorse Assay Office - hot extraction and A.A. techniques.

D.C. Findlay, Ph.D

GEOLOGIST

~~522 BROADVIEW AVENUE~~ BOX 220
~~OTTAWA ONTARIO CANADA~~ MORRISBURG, ONTARIO
~~(613) 221-1805~~ (613) 543-3258

BOX 1029
WHITEHORSE, YUKON, CANADA

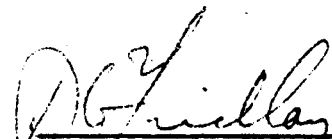
Property Examination - NICK Claims

Whitehorse M.D., Yukon Territory

September 21 - 22, 1970

STATEMENT OF COSTS AND EXPENDITURES

A. <u>Helicopter Charter</u> (Trans North Turbo Air Ltd.)			
	Bell 47G-3B-1 ; 4.5 hr. @ \$150.00	\$ 675.00
B. <u>Fees and Expenses</u> (D.C. Findlay)			
	Field - 1½ day @ \$150.00	\$ 225.00
	Report, drafting etc. 1 day @ \$114.30..		114.30
	Report duplication - 3 X 8 pgs @ \$0.25		6.00
	Hotel, meals etc. (prorated)		30.00
			<u>375.30</u>
			375.30
C. <u>Truck rental</u> (D.C. Findlay)			
	21¼ miles @ \$ 0.20 (prorated)	42.80
D. <u>Geochemical Analyses</u> (Whitehorse Assay Office)			
	13 Cu, Mo @ \$1.50	19.50
			<u>TOTAL</u>
			\$1,112.60


D.C. Findlay, F.G.A.C.

C A N A D A)

TO W I T :)

I, A. M. PEARSON

of Box 968, WHITEHORSE, Y.T.

do solemnly declare -

that the expenses listed on the attached statement are true and were actually expended as claimed.

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Declared before me at WHITEHORSE, Y.T.)
in the _____ this)
_____ day of JAN 8 1977 19)

A M Pearson

[Signature]
Notary Public

Statement of expenditures for prospecting of Nick claims
Aug. 8-11, 1970.

A. Rental of G3-B1 helicopter (Trans North Turbo Air)	
2.7 hrs plus crew expenses and excess fuel charge	464.28
B. Return air charter Whitehorse to Casino strip (Globe)	
6.1 hrs. in Cessna 180	427.00
C. Salaries and allowances	
D. Sumanik, Whitehorse 3 days at \$30.	
A. Pearson, Whitehorse 3 days at \$30.	180.00
D. Geochemical analysis(Barringer)	
9 Cu, Mo determination at \$2.50	22.50
	<hr/>
	1093.78