

MAP NO.: 115 II 10
ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE
DOCUMENT NO: 092775
MINING DISTRICT: Whitehorse
TYPE OF WORK: Prospecting, geochemical

REPORT FILED UNDER: Golden Quail Resources Limited

DATE PERFORMED: 8-9 September, 1989
DATE FILED: 21 December, 1989

LOCATION: LAT.: 61°45'N
LONG.: 136°45'W
AREA: Aishihik Lake
VALUE \$: 3 400.00

CLAIM NAME & NO.: NICK 725-758(YB25369-YB25402)

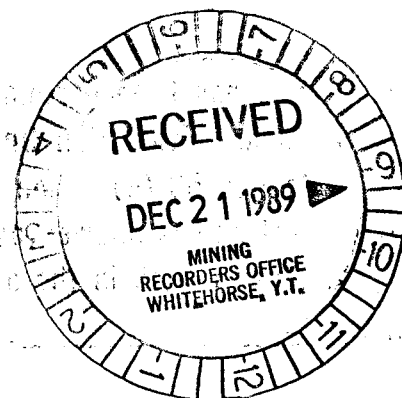
WORK DONE BY: S. Young, E. Lambert

WORK DONE FOR: Golden Quail Resources Ltd

DATE TO GOOD STANDING:	

REMARKS: BUFFALO #19
This property was formerly held by Noranda as the TAI claims. Disseminated chalcopyrite, pyrite and minor molybdenite occur along narrow fractures in a composite granodiorite-feldspar porphyry intrusion. During reconnaissance prospecting in 1989, one rock & 4 heavy mineral concentrates were collected. One of the concentrates contained 139 ppb Au.

PROSPECTING REPORT
on the
NICK III CLAIM GROUP
Kirkland Creek, Yukon



WHITEHORSE MINING DISTRICT, YUKON

NTS: 115H - 10, 15

LATITUDE: $61^{\circ} 45' N$ LONGITUDE: $136^{\circ} 45' W$

for

GOLDEN QUAIL RESOURCES LTD.
1022-470 Granville St
Vancouver, B.C.

by

ELLEN LAMBERT, M.Sc., FGAC
Vancouver, B.C.

Work Supervised by: Seamus Young
Between the Dates: Sept. 8-9, 1989

December 18, 1989

092775

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$3400.00.

J. V. Greener

Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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INTRODUCTION

A geochemical survey was undertaken on the Nick III Claim Group in September, 1989 for Golden Quail Resources Ltd. and included the collection of 3 heavy metal samples and 1 rock sample. This report describes the 1989 exploration program and is based on all information made available to the author.

Location: The property is situated west of Kirkland Creek, 120 km northwest of Whitehorse, Yukon (Figure 1). It is in the Whitehorse Mining District at Latitude: 61°45'N and Longitude: 136°45'W, NTS Map 115H - 10,15. Supplies and communication are available in the town of Carmacks, 50 km to the northeast.

Access: Access to the property is attained by helicopter either from Aishihik Lake (25 km to the west) or from the Klondike Highway (30 km to the east).

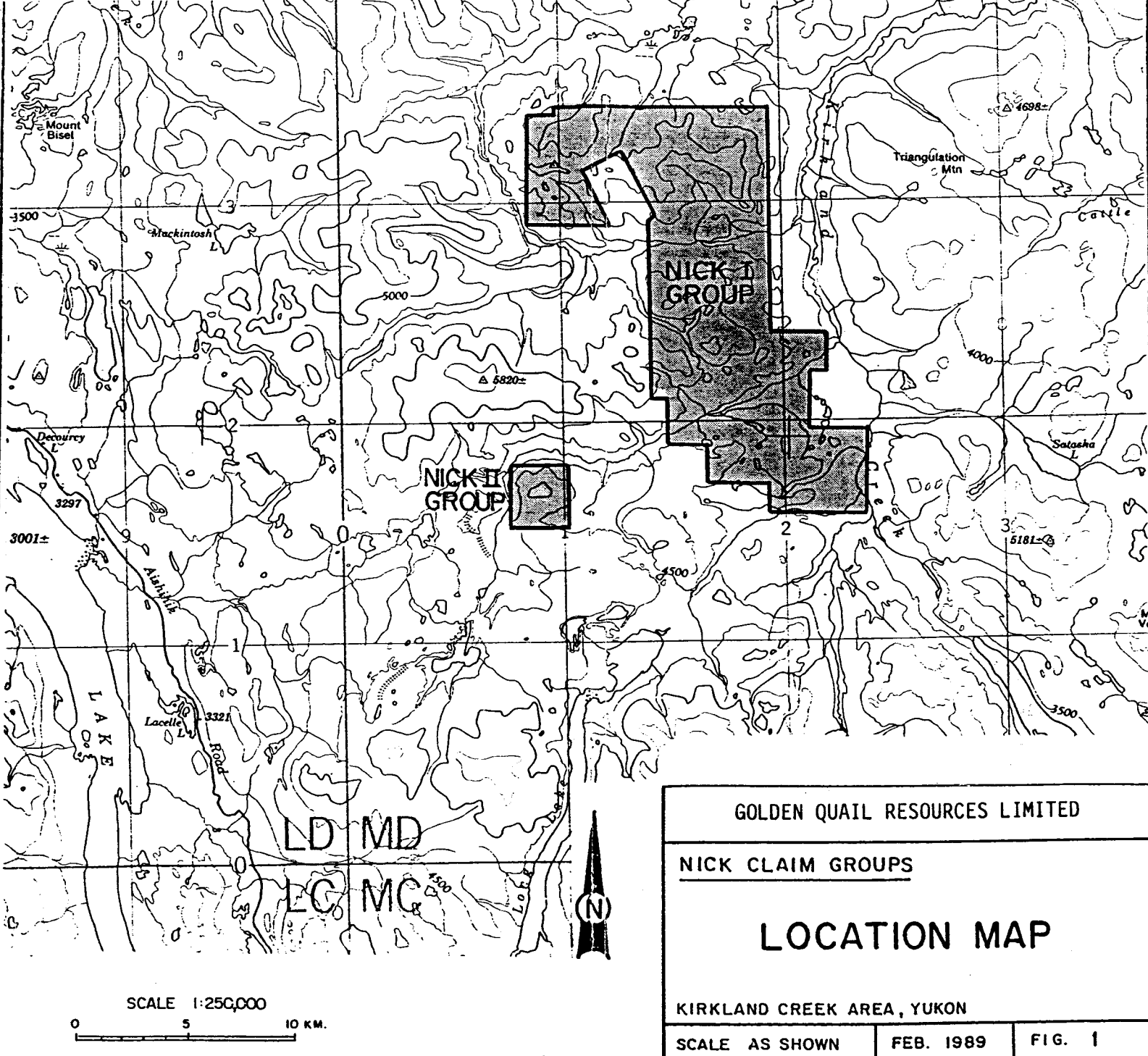
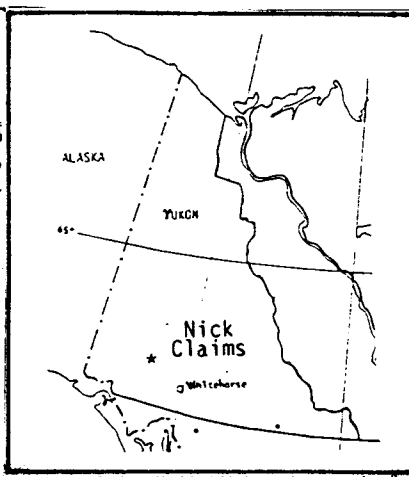
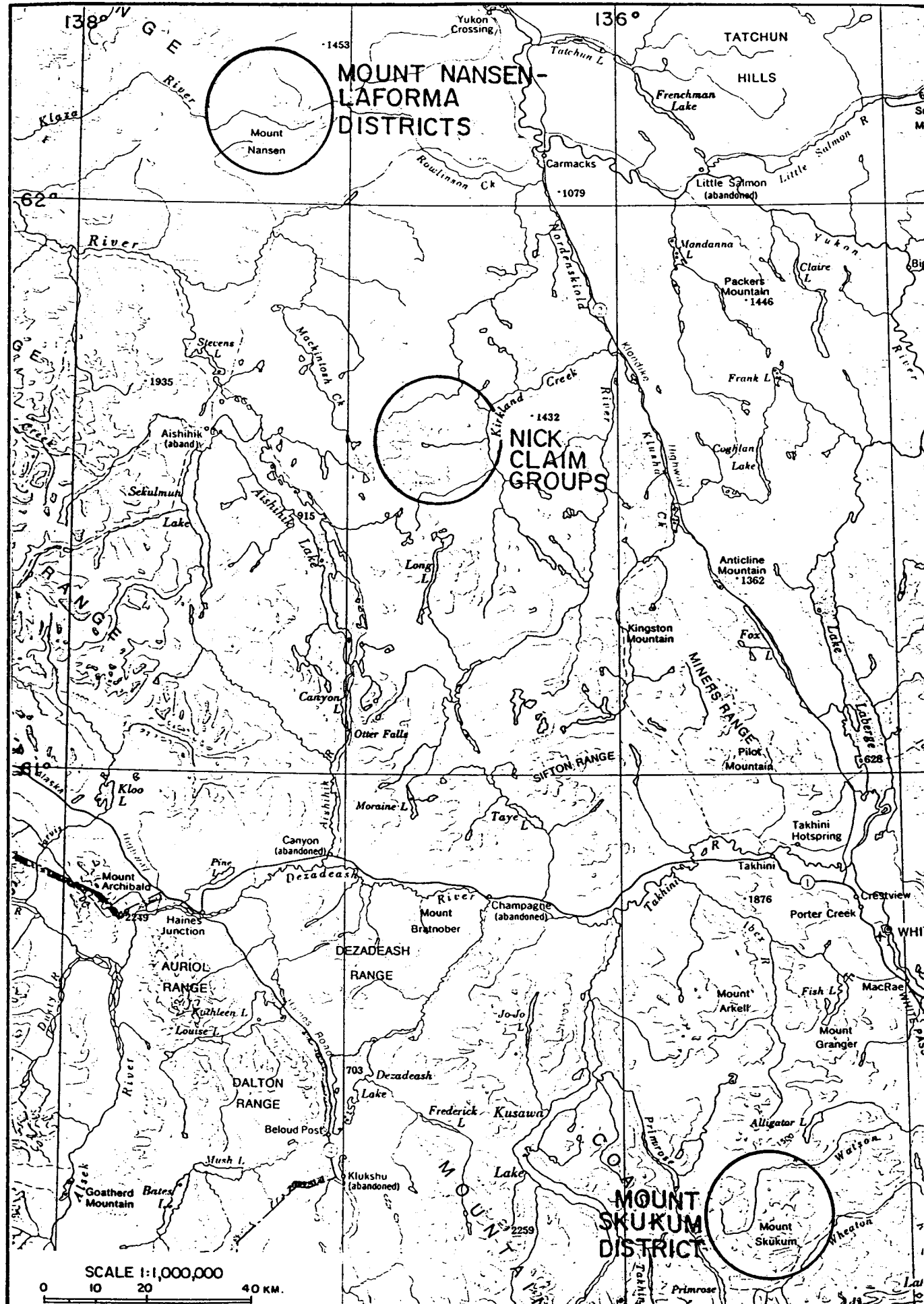
Physiography: Topography of the claim area consists of low, rounded hills covered by grasses and buckbrush. Elevation ranges from 1340 to 1450 meters. Stream valleys are sparsely forested with small, deciduous trees. Temperature extremes range from +30° C in the summer to -45° C in the winter, and precipitation averages 30 cm per year.

Claims Information: The property is comprised of 34 units covering an area approximately 710 hectares in size. The claims are owned by Seamus Young (Vancouver, B.C.) and include the following: Nick 725-758 (File #'s: YB 25369-25402)(see Figure 2).

History: The following is taken from Adamson (1989):

"The west Kirkland Creek area was explored for porphyry copper-molybdenum deposits during the 1970's. A number of prospects (KL or SATO, TAH or BUFFALO, TOSH and LION) were staked. The KL (now the Nick II Group) and the TAH (now the Nick III Group) were drilled by Mitsubishi Metal Mining and Noranda Explorations respectively. During this period, the BUN unconformity uranium prospect was also staked and drilled by Archer Cathro and Associates for the Ukon Joint Venture.

In the 1980's, several gold prospects (MAG, JIMBO, SNAP, LUSCAS, PAUL AND PHIL) were staked. To date, no drilling has taken place on any of them. Also during this decade, placer claims were staked and explored for alluvial gold on the three creeks draining easterly into Kirkland Creek."



GOLDEN QUAIL RESOURCES LIMITED
 NICK CLAIM GROUPS
LOCATION MAP
 KIRKLAND CREEK AREA, YUKON
 SCALE AS SHOWN FEB. 1989 FIG. 1

GOLDEN QUAIL RESOURCES LIMITED

NICK CLAIM GROUPS

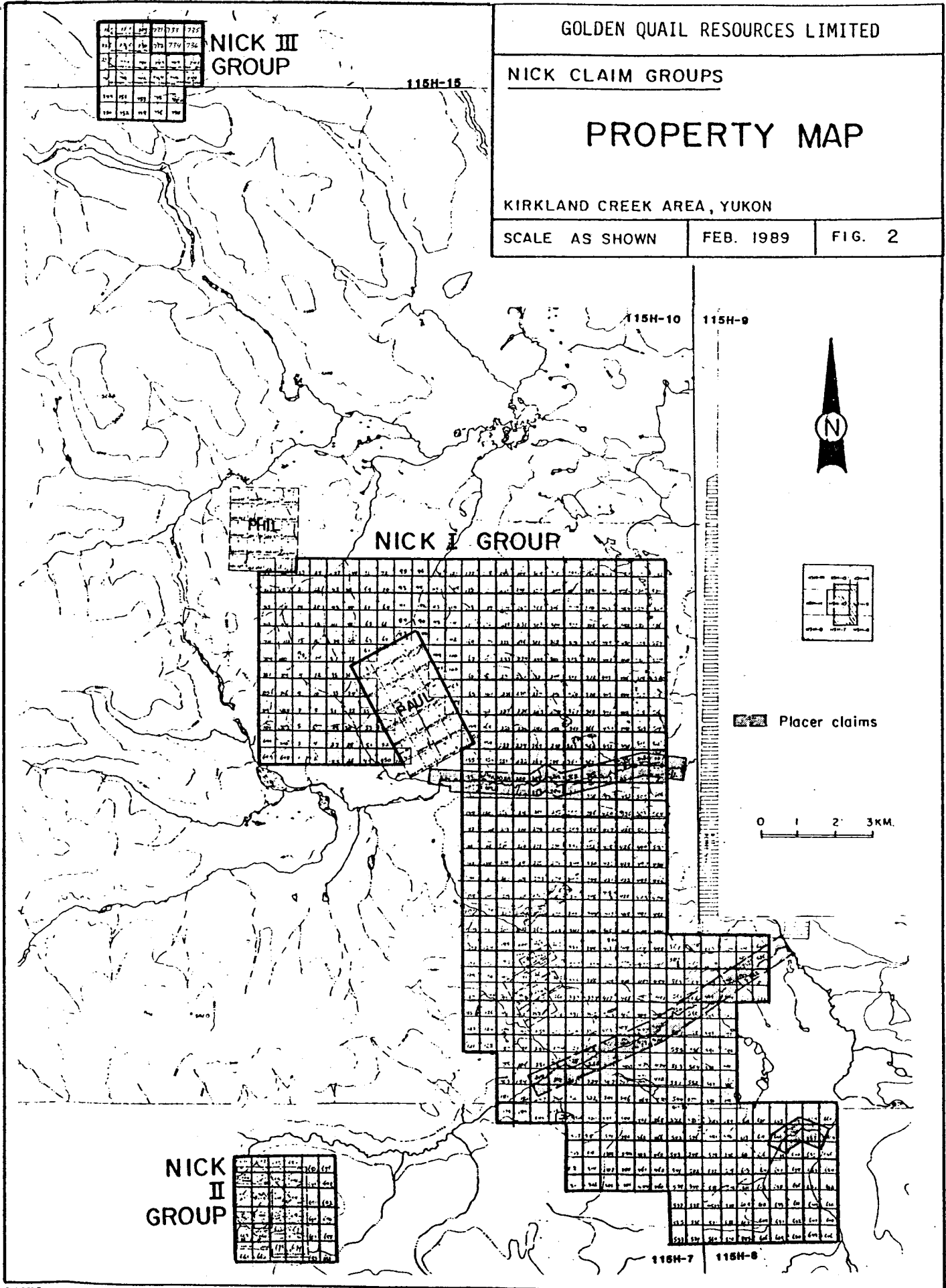
PROPERTY MAP

KIRKLAND CREEK AREA, YUKON

SCALE AS SHOWN

FEB. 1989

FIG. 2



REGIONAL GEOLOGY

Regional Geology: The following is taken from Adamson (1989):

"The region west of Kirkland Creek and east of Aishihik Lake lies within the Yukon Crystalline Terrane, an allochthonous segment of the Yukon. Basement rocks in the area of interest consist primarily of a Triassic age intrusive body of batholithic dimensions. It trends northwesterly for approximately 85 kilometers and averages 35 kilometers in width. Its composition ranges from quartz monzonite to granodiorite. It appears to be bounded on the east by a fault of regional magnitude that projects northerly up the valley of Kirkland Creek (Figure 3).

"Tertiary age (Eocene?) volcanic rocks consisting mainly of acidic tuffs unconformably overlie the granitic body. Andesitic rocks apparently occur within the sequence but are not common. A number of magnetically high anomalies in this volcanic terrane probably reflect plugs and necks that are feeders to the volcanics. A regolith was evidently developed on the granitic rocks before deposition of the volcanic formations.

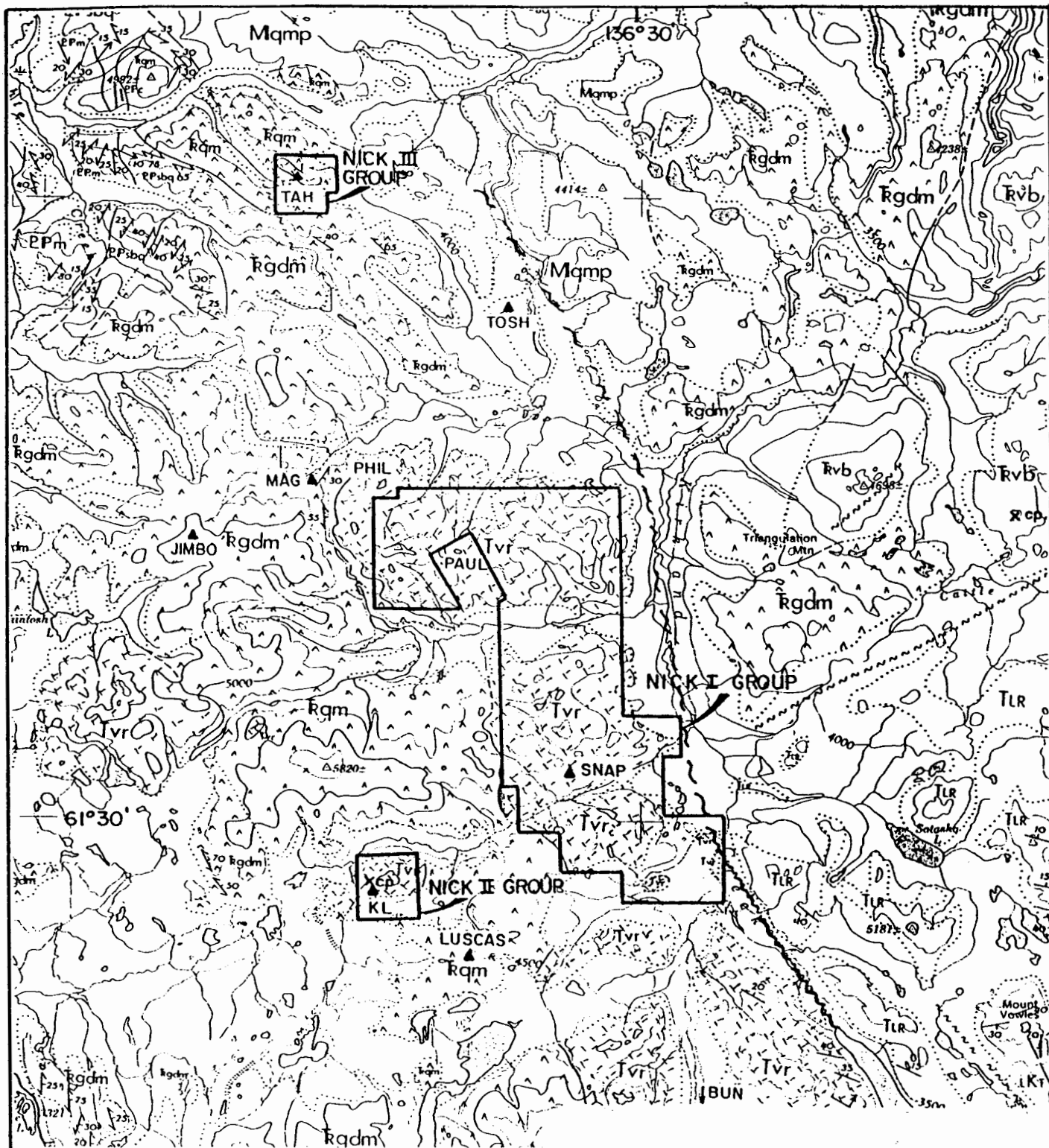
"The major structural feature in the area is the northwesterly striking, east-bounding Kirkland Creek Fault. It may continue along strike as much as 100 kilometers. The volcanic formations are for the most part gently dipping (10-15 degrees). Steeper dips (35-40 degrees) prevail near the fault. Second order faults striking east northeast occur east of Kirkland Creek. Topographic and aeromagnetic lineaments indicate these structures project westward through the area of interest."

Regional Mineralization: The Yukon Crystalline Terrane extends from the British Columbia border northwestward to the Alaska border and is host to many lode (vein) and placer gold deposits. Significant gold production has taken place from the Klondike, Mt. Freegold, Mt. Nansen, Mt. Skukum and Montana Mountain districts. The Nick III claim group lies between the Mt. Skukum and Mt. Nansen gold districts (Figure 1), both of which host epithermal gold deposits emplaced along faults and fissures in young volcanic rocks.

PROPERTY GEOLOGY

Rock Types: The property is underlain by Tertiary volcanics that unconformably overlie older (Triassic?) plutonic crystalline rocks. The plutonic rocks include grey, hornblende granodiorite. The volcanic rocks include andesite and dacite flows and breccias, rhyolite tuffs, and sediments derived from these volcanics. Rhyolite and granite-porphyry dikes intrude the above units.

Structure: The Nick III claim group lies west of a major northwest-trending fault zone, the Kirkland Creek Fault. Large, northeast-trending faults locally



EOCENE

ACIDIC TUFF (and feldspar plugs) (Tvr)

TRIASSIC (?)

GRANITIC ROCKS (Rgdm, Rqm, Rgd)

FAULT (defined, inferred)

MINERAL OCCURRENCE

AFTER G.S.C. MAP 17 - 1973

0 5 10 KM.



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NICK CLAIM GROUPS

REGIONAL GEOLOGY

KIRKLAND CREEK AREA, YUKON

SCALE 1:250,000

FEB. 1989

FIG. 3

intersect this major fault. A NNE-trending fault cuts the western edge of the property.

Mineralization: The following is taken from Adamson (1989):

"The Nick III property is a former porphyry copper prospect. Once held and explored by Noranda Explorations it was known then as the TAH property.

"Disseminated chalcopyrite, pyrite, and minor molybdenite occur, primarily along narrow fractures, in a multiple intrusive body. The intrusion comprises granodiorite, quartz monzonite, and quartz feldspar porphyry. The porphyry forms a plug, approximately 1,800 by 1,100 meters in area, and numerous dykes. Mineralization and weak to moderate alteration are evidently associated with this younger porphyry phase of intrusion.

"Geological, geophysical (I.P.) and geochemical surveys were conducted on the property in 1977. Drilling consisting of three holes (269 meters) was carried out in 1981. The results were disappointing. Copper values were very low. The core was assayed for gold and silver, but values in both cases were insignificant. The highest gold value in one split five foot sample was 0.028 ounces per ton. The remaining samples contained much less gold."

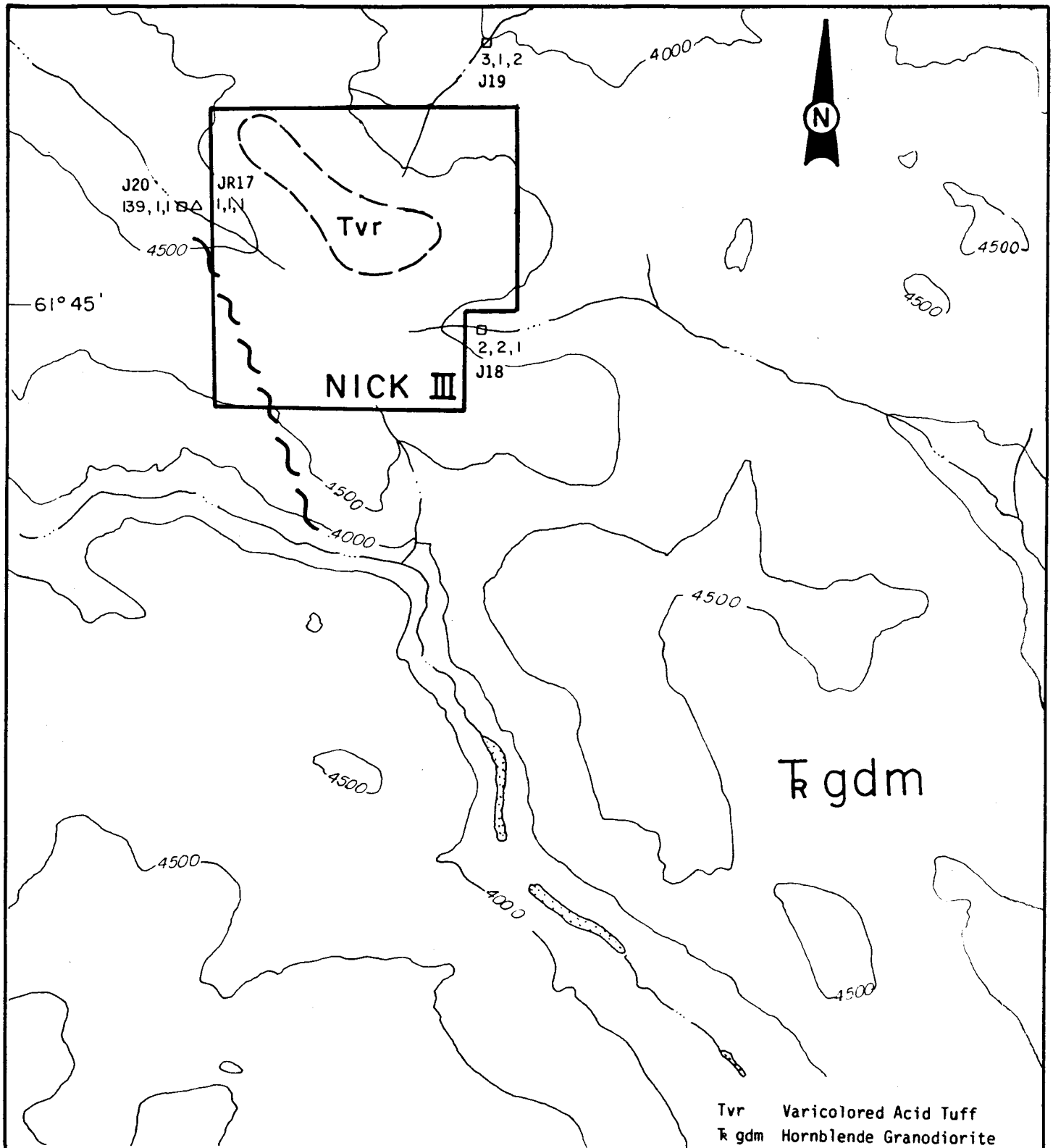
1989 EXPLORATION PROGRAM

Procedure: The basic goal of the 1989 field season was to conduct a preliminary examination of the claim and collect samples of interest. One rock sample and three heavy metal samples were collected. The rock sample was analyzed for gold, platinum and palladium by fire geochem. The heavy metal samples were crushed to -150 mesh size, and both the -150 and -10+150 fractions were analyzed for gold, platinum, palladium. Assay results and analytical procedures appear in the appendix.

Results: Only one heavy metal sample returned anomalous values in gold: 139 ppb Au (Figure 4). All other samples were low.

CONCLUSIONS AND RECOMMENDATIONS

Preliminary work on the Nick III property consisted of collecting one rock sample and 3 heavy metal samples from three of four streams flowing from the property. One heavy metal sample returned a gold value 139 ppb. It is recommended that follow-up geochemistry (soil, silt, heavy metal sampling) and detailed prospecting be conducted on the Nick III property to try to locate the source of gold recovered in this sample.



- △ Rock sample
- Heavy metal sample
- 6,3,1 Au, Pt, Pd in ppb

Tvr Varicolored Acid Tuff
 T gdm Hornblende Granodiorite

GOLDEN QUAIL RESOURCES LTD.	
NICK CLAIM GROUP	
GEOCHEMISTRY	
Au, Pt & Pd	
NTS: 1:150,000 10,15 LONG LAKE AREA, YUKON	
SCALE 1:50,000	DATE DEC 1989
	FIGURE NO 4

REFERENCES

Adams, R.S., 1989, Summary Report on the Nick Claim Groups, Kirkland Creek, Yukon: unpublished company report for Long Lake Syndicate.

STATEMENT OF COSTS


Personnel	\$ 1,350.00
G. Delorme, 1022-470 Granville St, Van BC 9/8-9/9, 2 days @ \$175/day	\$ 350.00
D. Javorsky, same, 9/8-9/9 2 days @ \$150/day	300.00
S. Young, same, 9/8-9/9 2 days @ \$250/day	500.00
T. Young, same, 9/8-9/9 2 days @ \$100/day	200.00
Employee Expenses (15% of wages)	202.50
Equipment and Supplies	500.00
Air Support (Helicopter)	1,500.00
Assaying (3 heavy metal, 1 rock)	52.00
Report	300.00
Management Fee (10%)	<u>390.45</u>
TOTAL	<u><u>4,294.95</u></u>

STATEMENT OF QUALIFICATIONS

I, Ellen Lambert, of 5949 Toderick St., Vancouver, British Columbia, hereby certify that:

1. I am a Fellow of the Geological Association of Canada.
2. I have a Bachelor's Degree in Geology from the University of Washington (1979) and a Master's Degree in Geology from the University of New Mexico (1983).
3. I have practised as a geologist part time since 1979 and full time in mineral exploration since 1986 in the United States and Canada.
4. This report is based upon all data made available to me on the 1989 exploration program.
5. I have no interest, direct or indirect, in the properties or securities of Golden Quail Resources, Ltd., nor do I expect to receive any such interest.

December 18, 1989


E. LAMBERT
FELLOW
GEOLOGICAL ASSOCIATION OF CANADA

Ellen Lambert
M.Sc. F.G.A.C.

APPENDIX

**Analytical Procedures
Assay Certificates**

ANALYTICAL PROCEDURES

Gold, Platinum, Palladium Fire Geochem: The same drying, crushing and sieving method used for gold geochem (wet) is used for this method. A sample weighing 15-30 grams is fire assayed preconcentrated. After pretreatments the samples are digested with aqua regia solution, and after digestion the samples are taken up with aqua regia to suitable volume. With a set of suitable standard solutions gold is analyzed by sequential inductively coupled plasma analyzer along with platinum and palladium.

SPECIALISTS IN MINERAL ANALYSIS

Geochemical Analysis Certificate

9V-1133-RG1

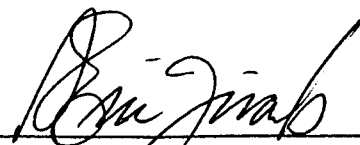
Company: DONEGAL DEVELOPMENTS
Project: D-19-89
Attn: S. YOUNG/D. JAVORSKY

Date: SEP-20-89
Copy 1. DONEGAL DEV., VANCOUVER, B.C.

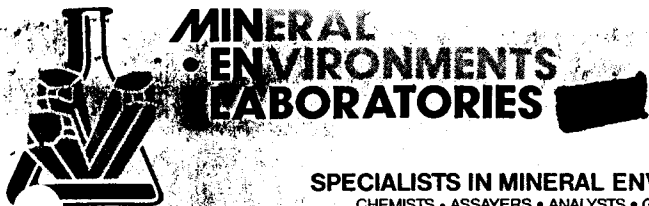
We hereby certify the following Geochemical Analysis of 16 ROCK samples submitted SEP-16-89 by S. YOUNG.

Sample Number	AU-FIRE PPB	PT-FIRE PPB	PD-FIRE PPB
JR-09	NO	SAMPLE	
JR-10	NO	SAMPLE	
JR-11	1	1	1
JR-12	2	1	1
JR-13	1	1	1
JR-14	1	2	1
JR-15	11	3	2
JR-16	1	3	1
JR-17	1	1	1
JR-18	3	4	3
SR-03	1	2	1
SR-04	20	7	1
SR-05	1	1	1
SR-06	4	2	2
SR-07	2	1	1
SR-08	1	2	1

Certified by



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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

9V-1133-PG2

Company: DONEGAL DEVELOPMENTS

Project: D-19-89

Attn: S. YOUNG/D. JAVORSKY

Date: SEP-24-89

Copy 1. DONEGAL DEV., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 14 PULP samples submitted SEP-16-89 by S. YOUNG.

Sample Number	AU-FIRE PPB	PT-FIRE PPB	PD-FIRE PPB
J15 -150	1190	5	3
J16 -150	513	3	2
J17 -150	1830	16	1
J18 -150	3	1	2
J19 -150	2	2	1

J20 -150	139	1	1
J21 -150	1050	2	2
J15 -10+150	1	1	1
J16 -10+150	1	1	2
J17 -10+150	242	1	1

J18 -10+150	1	1	1
J19 -10+150	1	1	1
J20 -10+150	1	1	1
J21 -10+150	1	2	1

Certified by

MIN-EN LABORATORIES