

800614

**SUMMARY REPORT  
ON THE  
GOLD UNUK PROPERTY**

**Skeena Mining Division  
N.T.S. 104B/7E  
Latitude 56°26'N  
Longitude 130°44'W**

on behalf of

**ROSS RESOURCES INC.  
Calgary, Alberta**

by

**Rex Pegg, P.Eng.  
KEEWATIN ENGINEERING INC.  
#800 - 900 West Hastings Street  
Vancouver, B.C.  
V6C 1E5**

May 19, 1989

Keewatin Engineering Inc.

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## INTRODUCTION

This report on the Gold Unuk property was commissioned by Ross Resources Inc. and is based on the available published information together with historical material in the assessment files. The author has not visited the property but is familiar with the regional geology and geology of numerous prospects in the area.

The report summarizes the geology of the area and presents an evaluation of the property's potential for hosting economic precious metal deposits. Recommendations are made for a systematic exploration program designed to test this potential.

### Location and Access

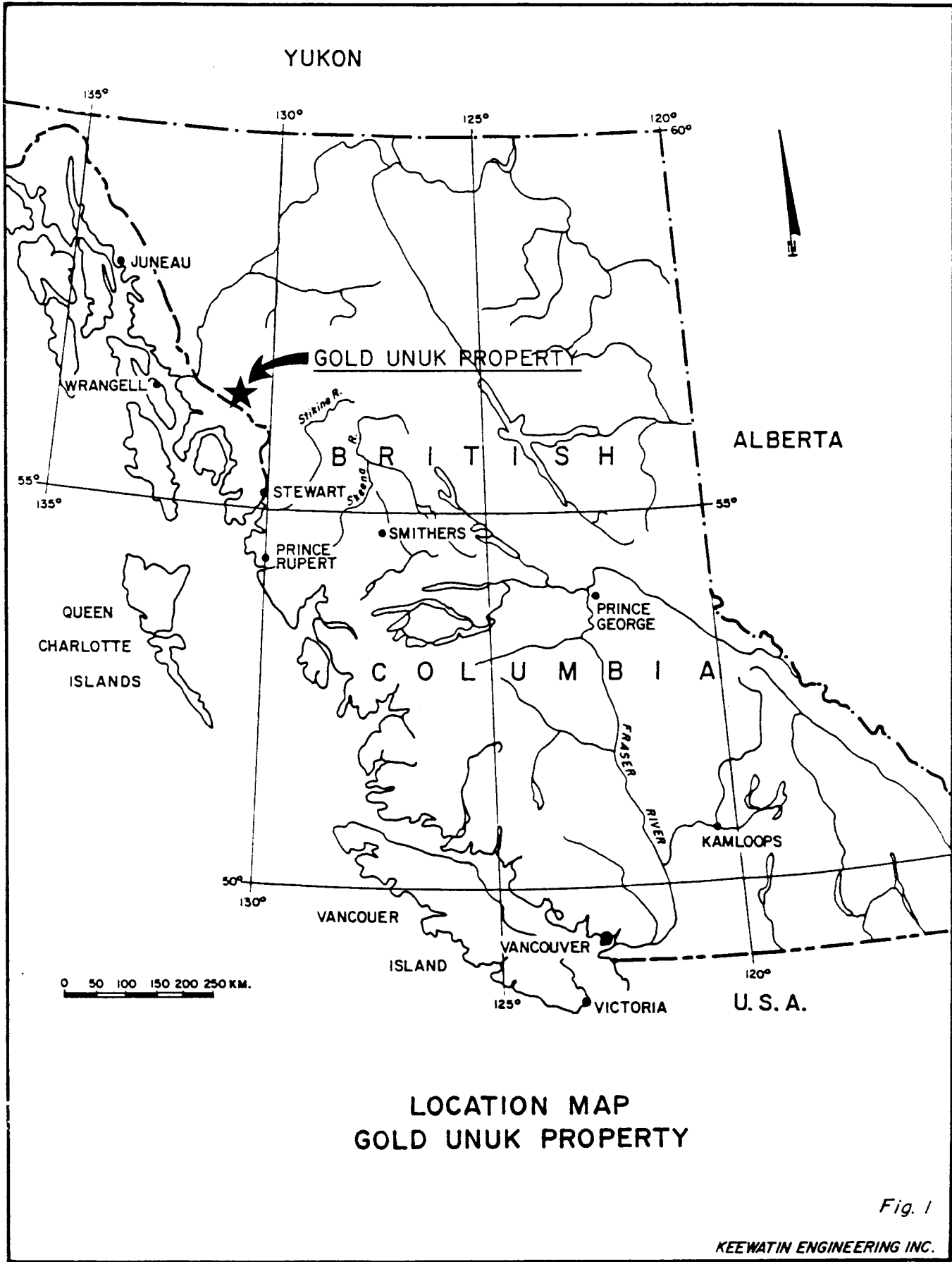
The Gold Unuk property is located in northwestern British Columbia, approximately 65 kilometres northwest of the town of Stewart (see Figure 1). The claims are situated within N.T.S. map sheet 104B/7E and centred about 56°-26' North latitude and 130°-44' West longitude. Access to the property is by helicopter from Stewart direct or from the Bronson Creek Airstrip (49 kilometres northwest) and the Bell-Irving Crossing on the Stewart-Cassiar Highway (72 kilometres northeast).

At some future date, road access to the area from the Stewart-Cassiar Highway could be obtained either along the Upper Unuk River and Tiegen Creek valleys to the northeast or northwest via Harrymel Creek and an unnamed creek to the Iskut River.

### Property Status and Ownership

The Gold Unuk property comprises ten mineral claims (157 units) located within the Skeena Mining Division. The recording documents are appended to this report and the claims are shown on Figure 2. These claims are more fully described below:

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Claim Group Name</u>	<u>Date of Record</u>	<u>Expiry Year</u>	<u>Owner</u>
Gold Unuk 1	6102	20	Gold Unuk	28/04/87	1990	C. Pepperdine
Gold Unuk 2	6103	8	Gold Unuk	"	"	"
Gold Unuk 3	6104	8	Gold Unuk	"	"	"
Gold Unuk 4	6105	20	Gold Unuk	"	"	"
Dunn 1	7060	6	-- --	21/12/88	1989	K. Gourley
Dunn 2	7061	15	--	"	"	"
Dunn 3	7062	20	--	"	"	"
Dunn 4	7063	20	--	"	"	"



**LOCATION MAP  
GOLD UNUK PROPERTY**

*Fig. 1*

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Claim Group Name</u>	<u>Date of Record</u>	<u>Expiry Year</u>	<u>Owner</u>
Deb 1	7208	20	--	17/02/89	1990	G. Ross
Deb 3	7210	20	--	"	"	"

The above claims are, apparently, the subject of an agreement between the claim holders and Ross Resources Inc.

### Physiography and Climate

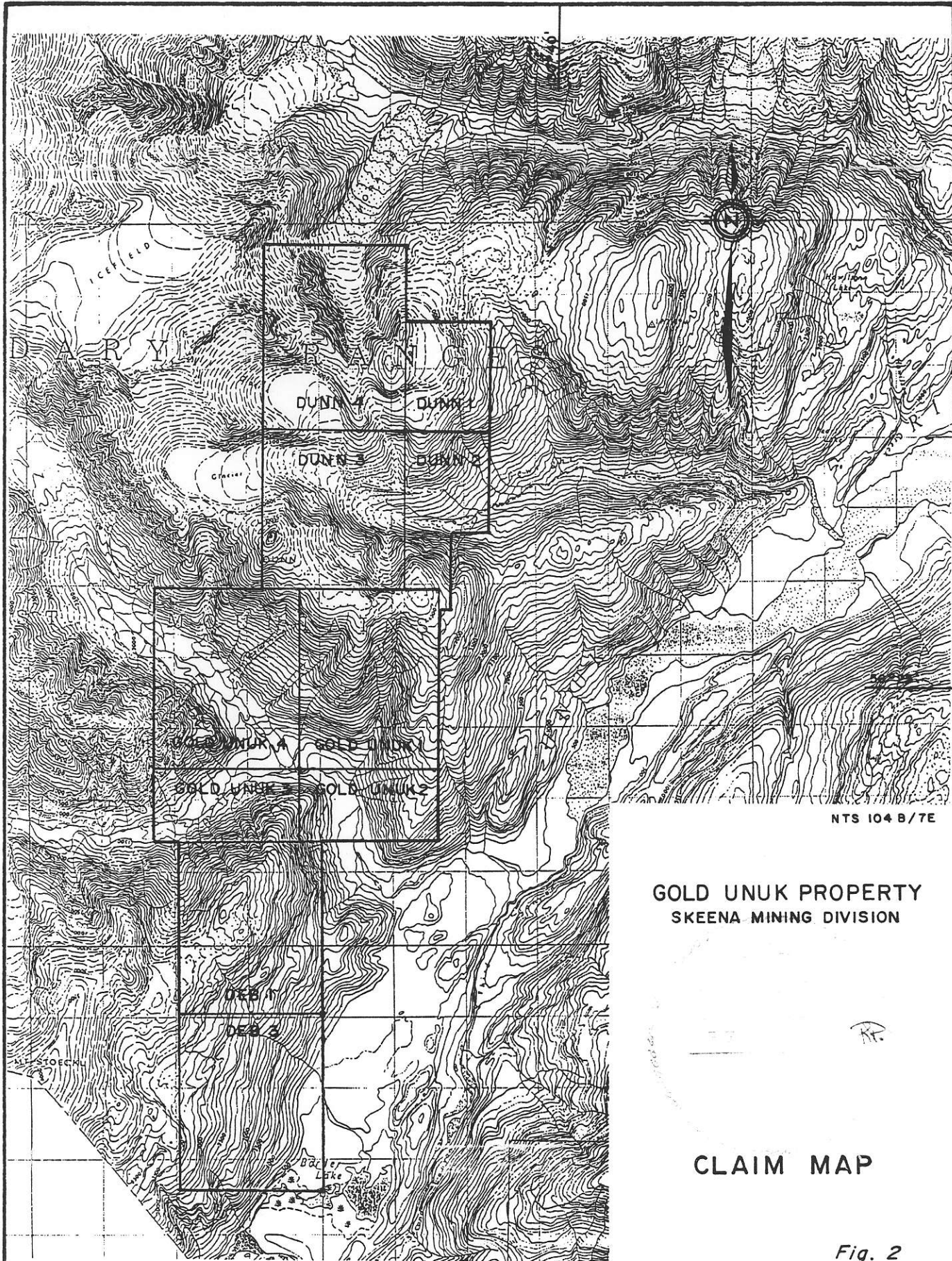
The Gold Unuk property is situated within the Coast Range Physiographic Division and is characterized by northern rain forest and sub-alpine plateaux. Valleys are steep-sided and U to V-shaped. Elevations (see Figure 2) range from 400 feet in the valley of the Unuk River to 6,200 feet on Mt. Dunn.

A transitional tree line, characterized by dense sub-alpine scrub, meanders through the property at, approximately, the 3,000 foot elevation. The steep terrain found above the tree line is typified by intermontane alpine flora. Permanent glacial ice is found intermittently above the 3,500 to 4,500 foot elevations. Conifers up to 30 metres tall are common below tree line, especially within the stream valleys. Water for camp and drilling purposes, is generally in good supply from the numerous creeks draining the claim area.

Precipitation is heavy, exceeding 200 cm per annum, with mild short summers but very wet spring and fall periods. Thick accumulations of snow are common during winter. It is seldom possible to begin surface geological work before July and difficult to continue past September.

### Previous Exploration

The area drained by the upper reaches of the Stikine, Iskut, Unuk, Craig and Bell-Irving Rivers has been explored for gold since the late 1800's when prospectors passed through the region on their way to the interior. In the 1970's, the porphyry copper boom again brought prospectors and companies into the area. The current gold exploration rush began in 1980 with the option of the Sulphurets property by Esso Minerals Canada and the acquisition of the Johnny Mountain claims by Skyline Explorations Ltd. The Johnny Mountain deposit was brought into production in mid-1988 and the adjacent Snip deposit is slated for production in 1990.



NTS 104 B/7E

**GOLD UNUK PROPERTY  
SKEENA MINING DIVISION**

**CLAIM MAP**

*Fig. 2*



The mineralization at Eskay Creek (see Figure 4) was discovered in 1932 and active exploration has continued sporadically since then. Two adits are the result of limited mining activity on this prospect. In 1988 Calpine Resources Incorporated discovered high grade gold and silver mineralization on the #21 Zone (Northern Miner - November 7, 1988). A number of high grade diamond drill intersections have been obtained to date, including drill hole CA-88-06 which encountered 96 feet of 0.752 oz/ton gold and 1.13 oz/ton silver. The drilling results obtained to date indicate that the #21 Zone extends in excess of 335 m along strike and is open along strike and at depth.

The Unuk River area was covered by regional geological mapping in 1988 as part of the Iskut-Sulphurets Project carried out by the B.C. Ministry of Energy, Mines and Petroleum Resources (Britton et al., 1989). The whole of the N.T.S. 104B map sheet is currently being mapped by R.G. Anderson of the Geological Survey of Canada.

The results of a regional government stream sediment sampling program conducted over this area were released in July, 1988 (National Geochemical Reconnaissance, 1988). In the Unuk River area, Britton et al. (1989) report that almost every known precious metal prospect is associated with high stream sediment gold values. Known gold occurrences are also associated with high but variable values for such pathfinder elements as silver, arsenic, antimony and barium. Ten stream sediment samples were collected from the area of the Gold Unuk Property. One of these (#873311 on Figure 5) exhibits an anomalous gold (120 ppb) value.

The only exploration known to have been done on the Gold Unuk property was prospecting during 1905 to 1906 and an airborne geophysical survey in 1988. The earlier program appears to have discovered the Canyon Creek mineral occurrence (Minfile No. 98) which is possibly located within the property (see Figure 5). It is not known whether any samples were collected and/or analyzed during this work. Data from the 1988 program were not available at this time.

### REGIONAL GEOLOGY

The property lies within the Intermontane Tectono-Stratigraphic Belt -- one of five parallel, northwest-southeast trending belts which comprise the Canadian Cordillera (Figure 3). The Gold Unuk property occurs near the contact between the

Stikine Terrane, which makes up most of the western part of the Intermontane Belt, and the unmetamorphosed sediments of the Bowser Basin.

The Unuk River area (Figure 4) is underlain by a thick succession of Upper Triassic to Lower Jurassic volcano-sedimentary arc-complex lithologies capped by Middle Jurassic marine basin lithologies. This package has been intruded by a variety of plutons representing at least four intrusive episodes spanning late Triassic to Tertiary time. These include synvolcanic plugs, small stocks, dyke swarms, isolated dykes and sills as well as batholiths belonging to the Coast Plutonic Complex.

The stratigraphic sequence has been folded, faulted and weakly metamorphosed during Cretaceous time but some Triassic strata are polydeformed and may record an earlier deformational event. Remnants of Pleistocene to Recent basaltic flows and tephra are preserved locally.

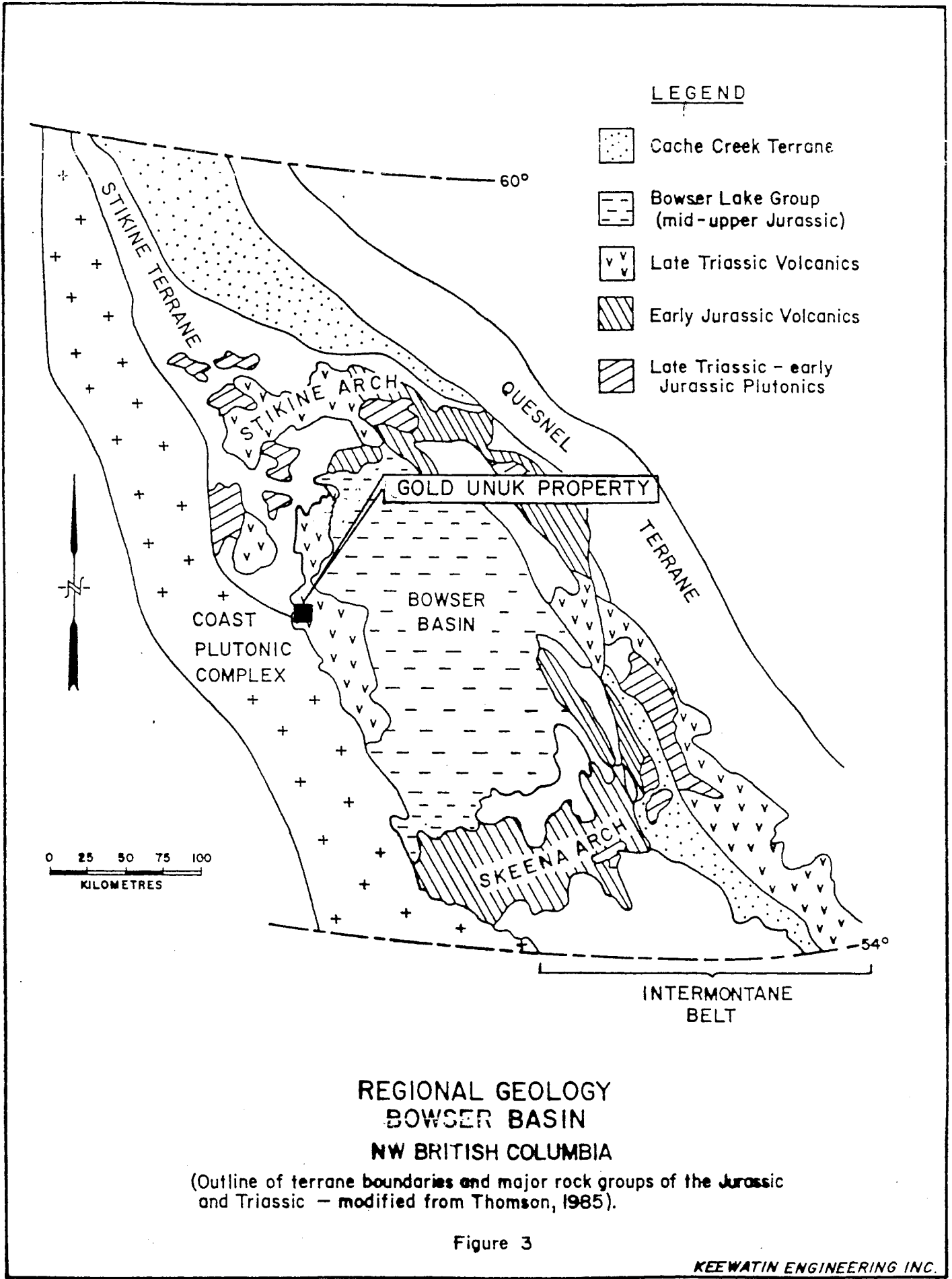
### **PROPERTY GEOLOGY**

Although no traverses were carried out over the claims, regional geological mapping by Britton et al. (1989) shows that the Gold Unuk property is predominantly underlain on the west and south by the Coast Plutonic Complex and on the north and east by the Lower Jurassic Unuk River Formation (see Figures 4 and 5). The Unuk River Formation which consists of andesitic volcanics with lesser sediments has been intruded by the Tertiary King Creek Dyke Swarm on the north and east. The Unuk River Formation is equivalent to the Hazelton Formation.

#### **King Creek Dyke Swarm (Tertiary)**

The limits of this unit shown on Figure 5 roughly indicate where the dykes exceed 50% of the exposed bedrock. This north-trending belt of dykes ranges, compositionally, from rhyodacite to andesite and texturally from aphanitic to holocrystalline. Britton et al. (1989) has classified individual dykes as feldspar porphyry dacites, andesite, diabases and hornblende to quartz diorites. They are reported to be up to 10 metres wide and are anastomose. The majority of the dykes are described as white-weathering, medium-grey andesite to dacite with fine to coarse feldspar phenocrysts in an aphanitic groundmass.





### Coast Plutonic Complex (Eocene and possibly Jurassic)

Britton et al. (1989) described the intrusions north of Boulder Creek as biotite-hornblende quartz diorites which probably contain many discrete stocks. The country rock contacts are reported to be sharp, discordant and thermally metamorphosed.

### Basalt Flows and Tephra (Pleistocene to Recent)

Britton et al. (1989) has mapped these flows along the valleys of the Unuk River and Canyon Creek. They are reported to commonly display columnar jointing.

### Unuk River Formation (Upper Triassic to Lower Jurassic)

Britton et al. (1989) has described this sequence as green and grey, intermediate to mafic volcanoclastics and flows with locally thick interbeds of fine-grained immature sediments. The volcanics are reported to be dominantly, massive to poorly bedded, plagioclase ( $\pm$  hornblende) porphyritic andesite. The sediments are, predominantly grey, brown and green, thinly bedded, tuffaceous siltstone and fine-grained wacke.

### Structure

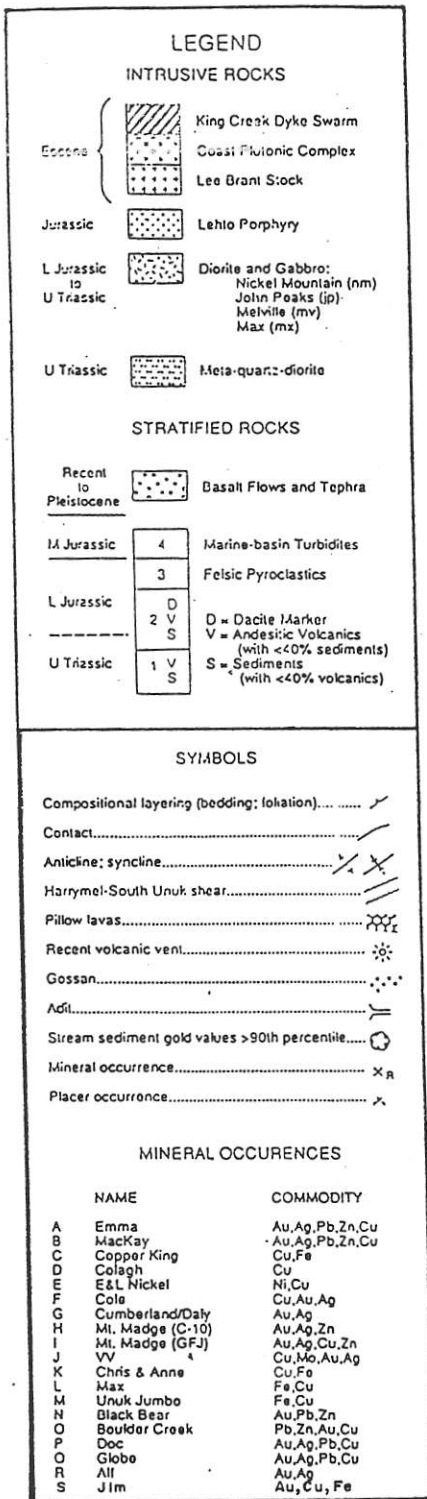
A 12 kilometre long, north-northwest trending airphoto lineament is reported by Britton et al. (1989). This lineament passes from the Gold Unuk 1 claim on the southeast through the Dunn 4 claim to the northwest. The significance of this lineament is unknown, at this time.

## ECONOMIC GEOLOGY

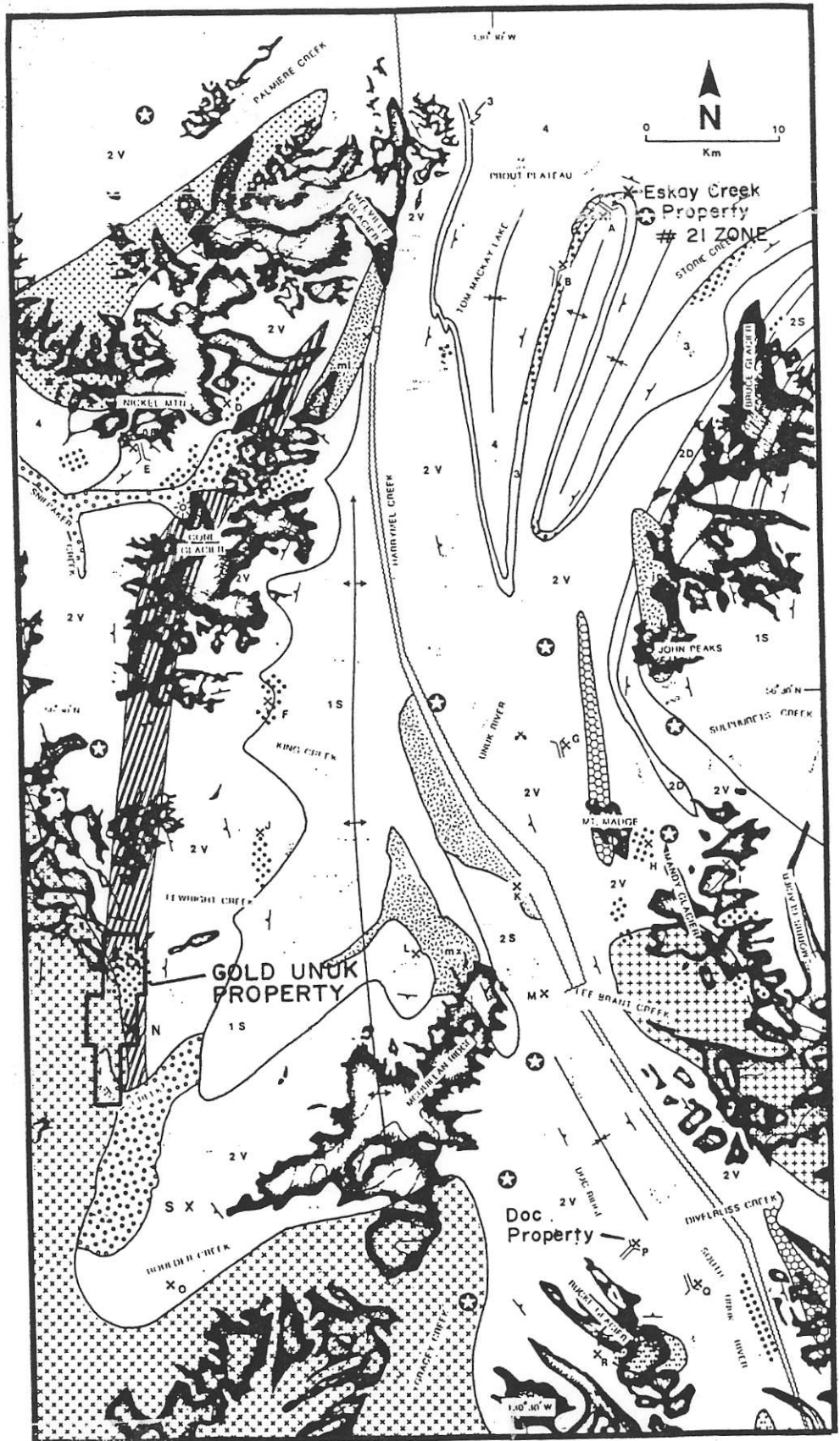
Britton et al. (1989) list 55 mineral occurrences in the Unuk Area map sheet. These showings are predominantly gold/silver occurrences and are hosted by a number of various lithologies. Most can be classified into one of four categories: stratabound, vein, skarn and disseminations. Grove (1986) has determined that the age of the mineralizing events is variable and, notably, can be post-Triassic (Table 1).

PERIOD	EPOCH	TECTONIC EVENT	PLUTONS	VOLCANICS	FORMATIONS	MINERALIZATION
QUAT.	Recent to Miocene	Uplift & Erosion Faulting	Basalt dykes	Flows		
TERTIARY	Oligocene	?	Dykes, sills			Vein deposits; silver, lead, zinc
	Eocene Paleocene	Folding & Faulting	Hyder plutons, etc. Alice Arm intrusions		(SUSTUT)	Vein deposits; silver, lead, zinc Prophyry deposits; molybdenite
CRETACEOUS	Upper	? ?			(SKEENA)	?
	Lower	? Erosion ?	Satellite plutons			Vein deposits; silver, lead, zinc
JURASSIC	Upper	Erosion ? Faulting & Folding	Satellite plutons		NASS	H A Z E L T O N G R O U P ? Silbak Premier deposit; gold, silver Anyox deposits; basalt flows massive sulphides Mitchell Creek; hydrothermal deposits, chalcopyrite, molybdenite Granduc deposit, massive sulphides, chalcopyrite pyrite pyrrhotite; minor gold quartz veins
	Middle	Erosion + Faulting Erosion Faulting	Texas Creek pluton, etc. Unuk River intrusions (Satellite plutons)	Rhyolite and andesitic pillow lavas	SALMON RIVER	
	Lower	Erosion Faulting Cataclasis Folding	? ?	Satellite plutons	Andesite and pillow lavas	
TRIASSIC	Upper	Erosion Faulting Folding  Faulting	Satellite plutons	Andesite and basalt flows	TAKLA GRP.	Max deposits; magnetite and chalcopyrite
		Erosion ?				

TABLE 1. Table of Formations and Relationship Between Plutonism, Volcanism and Mineralization (from Grove, 1986)



NOTE: Not to scale.



Geology and mineral deposits, Unuk map area.  
Modified after Britton et al. (1989)

**PROPERTY GEOLOGY**

Figure 4

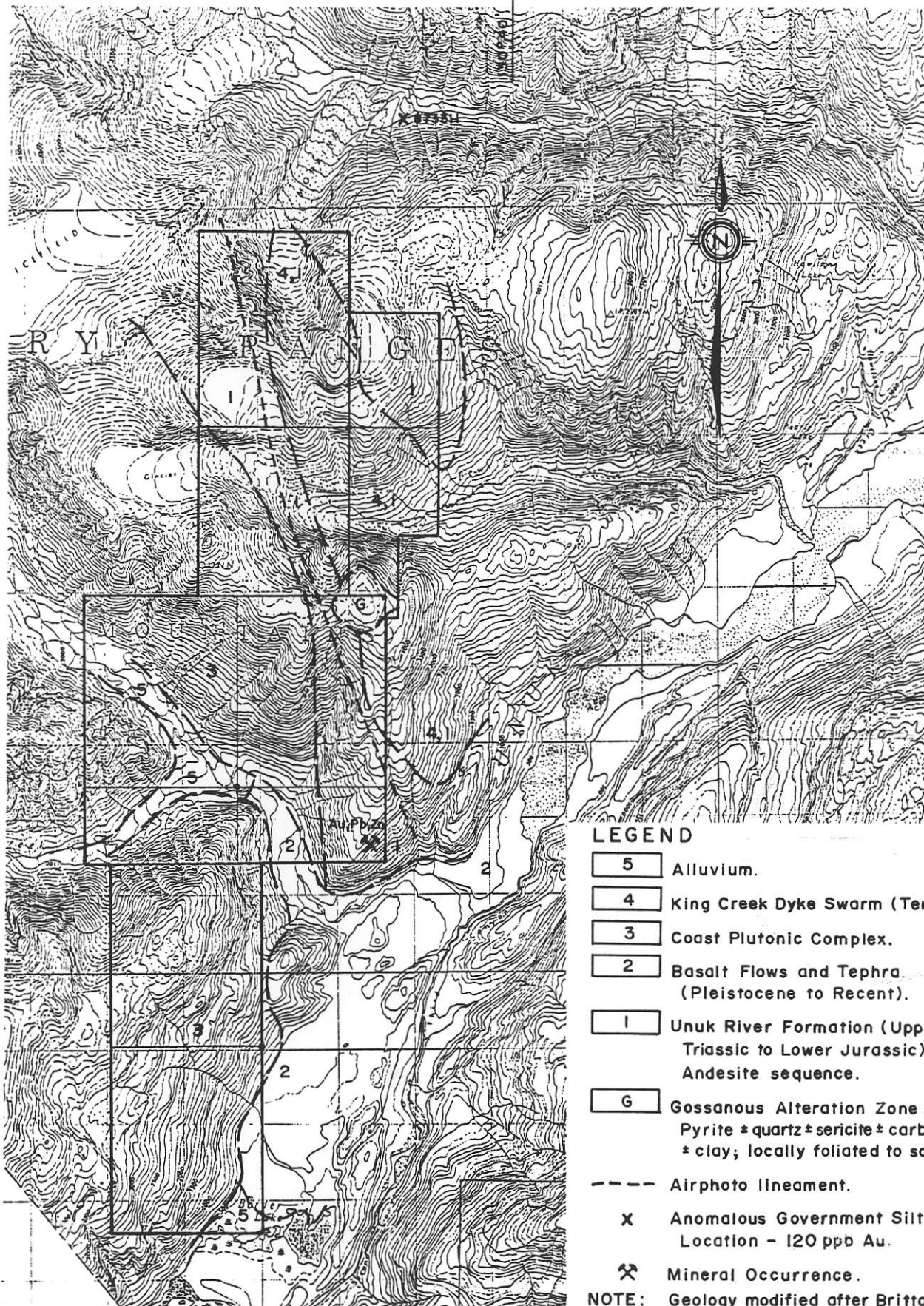
At this time, the Eskay Creek Prospect, located 65 kilometres northeast of the Gold Unuk property, is the most significant showing in this area. This prospect comprises at least eight mineralized zones occurring over a strike length of 1,800 metres within a sequence of felsic volcanics. This property is currently being explored by Calpine Resources Incorporated. Preliminary drilling on the #21 Zone (Northern Miner - November 7, 1988) intersected 96 feet assaying 0.752 oz/ton gold and 1.13 oz/ton silver including 52.5 feet of 1.330 oz/ton gold and 1.99 oz/ton silver.

The drilling results obtained to date indicates that the #21 Zone extends in excess of 335 m and is open along strike and at depth. These occurrences have been variously described as silicified shear zones (Harris, 1985) or as volcanogenic deposits (Donnelly, 1976). The mineralization is associated with disseminated sulphides in felsic volcanic breccias and graphitic argillites in contact with overlying intermediate volcanic rocks.

To the southeast of the property, there are several gold-bearing prospects hosted by the Unuk River Formation. The sketchy descriptions of these occurrences appear to indicate that the mineralization is skarn and shear/vein-type related to intrusive bodies. The only one with reported results is the Jim (Minfile #219) prospect (see Figure 4) which is portrayed as a skarn which is mineralized with chalcopryrite, pyrite, magnetite and pyrrhotite. A 1911 government report stated that samples assayed up to 1.9 oz/t gold.

The VV Prospect (see Figure 4) is located, approximately, 3 km to the northeast of the Gold Unuk property. This prospect (Cu-Au-Ag-Mo) exhibits pyrite (up to 15%), chalcopryrite and lesser molybdenite mineralization associated with widespread quartz veining and sericite or chlorite alteration within the felsitized, monzonitic phase of a fault-bounded intrusive body. The best chip sample result reported (Great Plains Development Company Ltd., 1970's) from this gossan was 0.87% Cu, 0.06 oz/t Ag and 0.055 oz/t Au across 36 feet. Assays of grab samples were reported as high as 1.75 oz/t Ag and 0.25 oz/t Au (B.C. Mineral Inventory File #79).

The only known significant mineral prospect which may occur on the Gold Unuk Property is the Canyon Creek prospect (see Figure 5). This gold-lead-zinc prospect's location, as described in the B.C. Mineral Inventory File, is not



**LEGEND**

- 5 Alluvium.
- 4 King Creek Dyke Swarm (Tertiary).
- 3 Coast Plutonic Complex.
- 2 Basalt Flows and Tephra (Pleistocene to Recent).
- 1 Unuk River Formation (Upper Triassic to Lower Jurassic) Andesite sequence.
- G Gossanous Alteration Zone: Pyrite ± quartz ± sericite ± carbonate ± clay; locally foliated to schistose.
- Airphoto lineament.
- X Anomalous Government Silt Sample Location - 120 ppb Au.
- ⊗ Mineral Occurrence.

NOTE: Geology modified after Britton(1989).

**GOLD UNUK PROPERTY  
COMPILATION PLAN**

0 1000 2000 4000 m. Scale 1:75,000

Fig. 5

precise. Prospecting and discovery of this occurrence is reported to have taken place during 1905 and 1906. Sample results from this work are not known. This prospect consists of two showings known as the Black Bear and Daily Boy, respectively. The Daily Boy is portrayed as several veins carrying pyrite, pyrrhotite and minor sphalerite and galena hosted by silicified and hornfelsed sediments. These sediments are described as altered slates, argillites and quartzites (Unuk River Formation) which are characterized by a high percentage of disseminated pyrite. The sediments are reported to be cut by a complex of lamprophyre dykes. The Black Bear is portrayed as a 60 cm wide quartz vein which carries auriferous pyrite and pyrrhotite and is hosted by sediments at the margin of a diorite porphyry dyke.

The only other known mineral occurrence which occurs on the property is a large gossanous alteration zone which straddles the Dunn 2 and Gold Unuk 1 claims, respectively. This zone, as mapped by Britton et al. (1989), measures 800 metres across and consists of pyrite  $\pm$  quartz  $\pm$  sericite  $\pm$  carbonate  $\pm$  clay. The host rocks (Unuk River Formation) are cut by the King Creek Dyke Swarm and are locally foliated and schistose. It is not known whether any samples have been collected and/or analyzed from this zone.

### CONCLUSIONS

The relatively unexplored Gold Unuk property exhibits good potential for hosting gold/silver deposits similar to those known elsewhere from the Stewart-Sulphurets-Iskut camps. Prospective features which demonstrate this potential are tabulated below:

- a) The property covers a major portion of a north-northwest trending airphoto lineament which cuts the Lower Jurassic Unuk River Formation. The Unuk River Formation hosts the majority of the gold/silver shear/vein occurrences in the region. The lineament may represent a prospective structural break within this favourable host.
- b) An untested gossanous alteration zone and, possibly, the Canyon Creek Prospect occur on the property. These features are prospective and may be related to significant mineralization.

- c) The VV Prospect is located 3 km northeast of the Gold Unuk claims and indicates that high grade gold/silver and low grade Cu-Au-Ag mineralization be related to gossanous alteration zones associated with Tertiary intrusions.
- d) One of the samples collected during the G.S.C. regional geochemical survey, that possibly drains the Gold Unuk Property, returned an anomalous gold value. This anomalous value may be a result of downstream dispersion from a mineralized system located on the property.

### RECOMMENDATIONS

It is recommended that the Gold Unuk property be subjected to a moderately detailed exploration program in order to evaluate its' potential for hosting precious metal and/or polymetallic deposits. The field component of this program cannot be initiated until July, as the snow cover will be too great until this time. The following program is recommended:

- 1) An airphoto interpretation is proposed in order to delineate linear features which may be related to prospective faults or shear zones. These should be plotted on a topographical base map (1:10,000) prepared from an enlargement of the government's 1:50,000 topographical mapping.
- 2) A geochemical orientation survey, supervised by a qualified geochemist, is recommended to maximize the effectiveness of the proposed geochemical surveys listed below:
- 3) Stream sediment (silts and heavy mineral concentrates) samples should be collected at 200 m intervals along all stream courses draining the property.
- 4) Soil samples should be collected at 50 m intervals along contours spaced 100 - 200 m apart. This coverage should, initially, be restricted to the area underlain by the Unuk River Formation.



Favourable silt sample results draining areas supposedly underlain by the Coast Plutonic Complex may dictate additional selected soil sample coverage.

- 5) It is proposed that reconnaissance geological mapping and prospecting be carried out over the entire property. The area underlain (Britton et al., 1989) by the favourable Unuk River Formation should be concentrated on. In addition to determining the geology of the property, particular attention should be devoted to evaluating the following features:
- Canyon Creek Prospect (if found on the property)
  - large gossanous alteration zone indicated on Figure 5
  - NNW-trending airphoto lineament indicated on Figure 5
  - additional airphoto lineaments indicated through the proposed interpretation
  - additional gossans observed from the air
  - the area covered by the Dunn 1 and 4 claims which may be the source for the anomalous government silt sample (#873311) result
- 6) A provision for trenching and chip sampling of prospects is proposed.

**ESTIMATED BUDGET****Pre-Field**

Project logistics, permit application, map preparation,  
crew and material assembly, air photo interpretation \$ 6,000

**Field Program****Personnel**

Project Supervision	8 days @ \$425/day	\$ 3,400	
Geochemist	5 days @ \$400/day	2,000	
Project Geologist	30 days @ \$350/day	10,500	
Prospector	30 days @ \$275.00/day	8,250	
Field Assistants	2 x 30 days @ \$250/day	15,000	
Cook	30 days @ \$225/day	<u>6,750</u>	
			\$ 45,500

**Camp Support**

Camp facilities		\$ 8,000	
Food & accommodation	225 man days @ \$ 75/day	16,875	
Communications (radios, telephone, fax)		3,000	
Disposable supplies and fuel		6,000	
Generator, chain saw		3,000	
Expediting, freight		3,000	
Travel and accommodation		<u>3,000</u>	
			\$ 42,875

**Transportation**

Mobilization/demobilization		\$15,000	
Fixed Wing (service flights)		15,000	
Helicopter support	45 hrs @ \$600/hr	<u>27,000</u>	
			\$ 57,000

**Geochemical Analyses**

Soils/Silts	1,300 samples @ \$14 ea.	\$18,200	
Rocks	300 samples @ \$15 ea.	<u>4,500</u>	
			\$ 22,700

**Trenching**

Blasting crew and powder			\$ 5,000
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**Contingency Allowance**

\$ 17,975

**Post-Field**

Data compilation, report writing, secretarial and drafting			<u>\$ 12,550</u>
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**TOTAL: \$210,000**

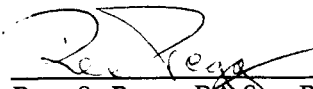
STATEMENT OF QUALIFICATIONS

I, REX STEPHEN PEGG, of #1 - 410 Mahon Avenue in the District of North Vancouver in the Province of British Columbia, do hereby certify that:

- 1) I am a graduate of the University of Toronto, BA.Sc. (1976) in Geological Engineering (Exploration option) and have practiced my profession continuously since graduation.
- 2) I have over 13 years of experience in exploration for base and precious metals in the Canadian Cordillera.
- 3) I am a member in good standing of the Association of Professional Engineers of British Columbia.
- 4) I am an independent consulting geologist with an office at #1-410 Mahon Avenue, North Vancouver, British Columbia.
- 5) I am presently under contract to Keewatin Engineering Inc. with offices at Suite 800 - 900 West Hastings Street, Vancouver, British Columbia.
- 6) I am the author of the report entitled "Geological Report on the Gold Unuk Property, Skeena Mining Division, British Columbia", dated May 19, 1989.
- 7) I have not visited the property because of winter conditions at the time of writing, but I am familiar with the regional geology and geology of nearby properties.
- 8) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Ross Resources Inc., in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia this 31st day of May, 1989.

Respectfully submitted,

  
\_\_\_\_\_  
Rex S. Pegg, BA.Sc., P.Eng.

Keewatin Engineering Inc.

**BIBLIOGRAPHY**

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**APPENDIX I**

**Gold Unuk Property - Claim Recording Documents**









RECORD OF MINERAL CLAIM - MINERAL ADT

MAP NO. 104B/7E/7A

FORM G

RECORD NO. 6105

MINING RECEIPT NO. 289578J

REGISTERED AT PRINCE GEORGE

BOOK NO. 29

PAGE NO. April

1987

DO NOT WRITE IN THIS SHADED AREA

*Chris Peppercine*  
Dep. REG. AGENT

Skeens  
MINE REGISTRATION

APPLICATION TO RECORD A MINERAL CLAIM

CHRIS PEPPERCINE

AGENT FOR

NAME

2486 W 1st Ave

ADDRESS

ADDRESS

VANCOUVER B.C. V6K 1G5

POSTAL CODE

CITY

POSTAL CODE

VALID SUBSISTING F.M.C. NO. 2896 890

VALID SUBSISTING F.M.C. NO.

MINING DIVISION SKEENA

MAP NO. 104B/7E

STATE THAT I COMMENCED LOCATING THE GOLD UNITS 4 MINERAL CLAIM

ON THE 2 DAY OF APRIL 1987 AT 10:55 AM AND COMPLETED THE LOCATION

ON THE 2 DAY OF APRIL 1987 AT 11:05 AM CONSISTING OF

5 UNIT LENGTHS NORTH AND 4 UNIT LENGTHS WEST AND I HAVE EXPRESSED ALL THE REQUIRED INFORMATION

ON METAL TAGS NO. 127609 WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS

IDENTIFICATION POSTS NOT PLACED WERE 1N, 2N, 3N, 4N, 5N, 5N/1W, 5N/2W, 5N/3W, 6N/1W, 4N/4W, 3N/4W, 1N/4W, 4N/2, 2, 1W (VERY STEEP TERRAIN AND ICE FIELDS)

CHECK  APPLICABLE SQUARE  THE LEGAL CORNER POST  THE WITNESS POST FOR THE LEGAL CORNER POST IS SITUATED

APPROXIMATELY 4.55 TO 4.55 DEGREE OF 32.75 FROM THE INTERSECTION OF BUSH CREEK AND THE WATKINS RIVER

BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST

BEARING AND DISTANCE FROM IDENTIFICATION POST TO A TRUE POST

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKEHOLDING MINERAL CLAIMS AND HAVE ATTACHED A PLAN ACCEPTABLE TO THE AGENT IN CHARGE OF THE LOCATION

*Chris Peppercine*  
SIGNATURE

SUB-RECORDER RECEIVED  
APR 28 1987  
M.R. 289578/310  
VANCOUVER, B.C.

NO. OF UNITS	WORK UNITS	CLAIM	MINING RECEIPT AND DATE RECORDED	TYPE OF WORK	DATE OF DEPOSIT	DEPOSIT AMOUNT	TRANSFERS AND ADDITIONAL CONSIDERATIONS
61			159582J Apr. 28/89	G	Apr. 28/89		
16		2,000	April 19/89		April 26/90		



61



Province of  
British Columbia

Ministry of  
Energy, Mines and  
Petroleum Resources

Parliament Buildings  
Victoria  
British Columbia  
V8V 1X4

Date: 1988 November 17 File No. 24500-03-APP

Direct inquiries to T. Kalnins (250-2288)

Gold Commissioner  
Court House  
Prince Rupert BC  
V8J 1B7

Dear Sir/Madam:

Re: Assessment Report Number 17600  
Gold Unuk 1-4 Mineral Claim(s) Worked On

=====  
This is to advise that the above noted report has been  
approved for assessment work credits for the total amount of  
\$4,555.00.

Statement recorded: 1988 April 28.

Value Applied to claim(s): \$5,600.00.

Yours truly,

T.E. Kalnins, P. Eng.  
for Chief Gold Commissioner  
Mineral Resources Division

cc: Pepperdine, C.  
4003 West 19th Avenue  
Vancouver BC  
V6S 1E2

cc: Cremonese, D.M.  
Unknown  
Unknown BC

RECEIVED

NOV 21 1988

GOLD COMMISSIONER  
PRINCE RUPERT



RECORD OF 4 POST CLAIM - MINERAL TENURE ACT

SECTION 23

MAP NO. 104B/7E

RECORD NO. 7060

MINING RECEIPT NO. 301341J

RECORDED AT Prince Rupert

B.C. DATE OF RECORD December 21

19 88

DO NOT WRITE IN THIS SHADED AREA

GOLD COMMISSIONER

Skeena MINING DIVISION

*[Handwritten signature]*

APPLICATION TO RECORD A 4 POST CLAIM

Kelly Gourley

NAME OF LOCATOR

AGENT FOR

NAME

961 Shavington St.

ADDRESS

ADDRESS

N. Vancouver, B.C.

986-7453

TELEPHONE

V7L 1K6

POSTAL CODE

TELEPHONE

POSTAL CODE

VALID SUBSISTING F.M.C. NO.

260517(1988)

285155 (1989)

VALID SUBSISTING F.M.C. NO.

FMC CODE

GOURKS

FMC CODE

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. 104B/7E in the Skeena Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

Access gained by helicopter from Stewart. The Legal Post is located 6.5 km at a bearing of 345 degrees from the junction of Canyon Creek and the Unuk River.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post\*) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 120377

CLAIM NAME Durr 1

LOCATOR K. Gourley

FMC NO. 260517

AGENT FOR

FMC NO.

DATE COMMENCED Dec. 21, 1988

TIME 1:35 p.m.

DATE COMPLETED Dec. 21, 1988

TIME 1:50 p.m.

NUMBER OF CLAIM UNITS

N 3 S E 2 W

IDENTIFICATION POSTS NOT PLACED

were IN, 2N, 3N, 3N/1E, 3N/2E, 2N/2E, 1N/2E, 2E, 1E.

because of extreme topography, ice and snowfields.

\*If a witness post was placed for the legal corner post:

Bearing from witness post to true position of legal corner post

is \_\_\_\_\_ degrees,

at a distance of \_\_\_\_\_ metres.

Bearing from identification post to witness post

degrees, at a distance of \_\_\_\_\_ metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location by which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

*[Handwritten signature of Kelly Gourley]*  
Signature of Locator

THE INFORMATION ON THIS PHOTO COPY MUST BE CORRELATED WITH THE GOLD COMMISSIONER FOR THE MINING DIVISION

SUB-RECORDER RECEIVED

JAN 9 1989

M.R. # 301341J \$1050.00

VANCOUVER, B.C.

RECORDING STAMP



RECORD OF 4 POST CLAIM - MINERAL TENURE ACT

SECTION 23

MAP NO. 104B/7E

RECORD NO. 7061

MINING RECEIPT NO. 301341J RECORDED AT Prince Rupert B.C. DATE OF RECORD December 21, 1988

DO NOT WRITE IN THIS SHADED AREA

GOLD COMMISSIONER

Skeena

MINING DIVISION

*[Handwritten signature]*

APPLICATION TO RECORD A 4 POST CLAIM

I, Kelly Gourley NAME OF LOCATOR AGENT FOR \_\_\_\_\_ NAME \_\_\_\_\_

961 Shavington St. ADDRESS ADDRESS \_\_\_\_\_

N. Vancouver, B.C. ADDRESS \_\_\_\_\_

986-7453 TELEPHONE V7L 1K6 POSTAL CODE TELEPHONE \_\_\_\_\_ POSTAL CODE \_\_\_\_\_

VALID SUBSISTING F.M.C. NO. 260517(1988) VALID SUBSISTING F.M.C. NO. \_\_\_\_\_

FMC CODE GOURKS FMC CODE \_\_\_\_\_

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. 104B/7E in the Skeena Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

Access gained by helicopter from Stewart. The Legal Post is located 6.5 km at a bearing of 345 degrees from the junction of Canyon Creek and the Unuk River.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post\*) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 120378

CLAIM NAME Dum 2

LOCATOR K. Gourley

FMC NO. 260517

AGENT FOR \_\_\_\_\_

FMC NO. \_\_\_\_\_

DATE COMMENCED Dec. 21, 1988

TIME 1:35 p.m.

DATE COMPLETED Dec. 21, 1988

TIME 1:50 p.m.

NUMBER OF CLAIM UNITS

N 5 S 3 E 3 W

IDENTIFICATION POSTS NOT PLACED

were 1S, 2S, 3S, 4S, 5S, 5S/1E, 5S/2E, 5S/3E, 4S/3E, 3S/3E, 2S/3E, 2S/4E, 1S/3E, 3E, 2E, 1E

because of extremely steep topography

\*If a witness post was placed for the legal corner post:

Bearing from witness post to true position of legal corner post

is \_\_\_\_\_ degrees,

at a distance of \_\_\_\_\_ metres.

Bearing from identification post to witness post \_\_\_\_\_

degrees, at a distance of \_\_\_\_\_ metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

*[Handwritten signature: Kelly Gourley]*  
Signature of Locator

ALL INFORMATION ON THIS PHOTOCOPY MUST BE OBTAINED WITH THE GOLD COMMISSIONER FOR THE MINING DIVISION

**SUB-RECORDER RECEIVED**  
**JAN 9 1989**  
 M.R. # 301341J 1050.00  
 VANCOUVER, B.C.

RECORDING STAMP



MAP NO. 104B/7E

RECORD NO. 7062

MINING RECEIPT NO. 301341J RECORDED AT Prince Rupert B.C. DATE OF RECORD December 21 19 88

DO NOT WRITE IN THIS SHADED AREA

GOLD COMMISSION

Skeena  
MINING DIVISION

APPLICATION TO RECORD A POST CLAIM

I, Kelly Gourley NAME OF LOCATOR AGENT FOR \_\_\_\_\_ NAME \_\_\_\_\_

961 Shavington St. ADDRESS \_\_\_\_\_ ADDRESS \_\_\_\_\_

N. Vancouver, B.C. ADDRESS \_\_\_\_\_ ADDRESS \_\_\_\_\_

986-7453 TELEPHONE \_\_\_\_\_ TELEPHONE \_\_\_\_\_ TELEPHONE \_\_\_\_\_ TELEPHONE \_\_\_\_\_

V7L 1K6 POSTAL CODE \_\_\_\_\_ POSTAL CODE \_\_\_\_\_ POSTAL CODE \_\_\_\_\_ POSTAL CODE \_\_\_\_\_

VALID SUBSISTING F.M.C. NO. 260517 (1988) VALID SUBSISTING F.M.C. NO. \_\_\_\_\_

F.M.C. CODE GOURKS F.M.C. CODE \_\_\_\_\_

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. 104B/7E in the Skeena Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

Access gained by helicopter from Stewart. The Legal Post is located 6.5 km at a bearing of 345 degrees from the junction of Canyon Creek and the Unuk River.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 120379

CLAIM NAME Dum 3

LOCATOR K. Gourley

F.M.C. NO. 260517

AGENT FOR \_\_\_\_\_

F.M.C. NO. \_\_\_\_\_

DATE COMMENCED Dec. 21, 1988

TIME 1:35 p.m.

DATE COMPLETED Dec. 21, 1988

TIME 1:50 p.m.

NUMBER OF CLAIM UNITS

N 5 S 5 E 4 W 4

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

Kelly Gourley  
Signature of Locator

IDENTIFICATION POSTS NOT PLACED

were 1S, 2S, 3S, 4S, 5S, 5S/1W, 5S/2W, 5S/3W, 5S/4W,

4S/4W, 3S/4W, 2S/4W, 1S/4W, 4W, 3W, 2W, 1W.

because of extreme topography, ice and snowfields.

\*If a witness post was placed for the legal corner post:

Bearing from witness post to true position of legal corner post

is \_\_\_\_\_ degrees,

at a distance of \_\_\_\_\_ metres.

Bearing from identification post to witness post \_\_\_\_\_

degrees, at a distance of \_\_\_\_\_ metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

THE INFORMATION ON THIS PHOTO SUB-RECORDER RECEIVED

CONFIRMED WITH THE

LEGAL CORNER FOR THE

MINING DIVISION

JAN 9 1989

M.R. # 301341-1050

VANCOUVER, B.C.

RECORDING STAMP



RECORD OF 4 POST CLAIM - MINERAL TENURE ACT

MAP NO. 104B/7E

SECTION 23

RECORD NO. 7063

MINING RECEIPT NO. 301341J

RECORDED AT Prince Rupert

B.C. DATE OF RECORD December 21 19 88

DO NOT WRITE IN THIS SHADED AREA

GOLD COMMISSIONER

Skeena  
MINING DIVISION

APPLICATION TO RECORD A POST CLAIM

I, Kelly Gourley  
NAME OF LOCATOR

AGENT FOR \_\_\_\_\_ NAME

961 Shavington St.  
ADDRESS

ADDRESS

N. Vancouver, B.C.

986-7453 V7L 1R6  
TELEPHONE POSTAL CODE

TELEPHONE POSTAL CODE

VALID SUBSISTING F.M.C. NO. 260517 (1988)  
285155 (1989)

VALID SUBSISTING F.M.C. NO. \_\_\_\_\_

FMC CODE GOURKS

FMC CODE \_\_\_\_\_

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. 104B/7E in the Skeena Mining Division.

ACCESS: Describe how you gained access to the location: include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

Access gained by helicopter from Stewart. The Legal Post is located 6.5 km at a bearing of 345 degrees from the junction of Canyon Creek and the Unuk River.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post\*) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 120380

CLAIM NAME Dum 4

LOCATOR K. Gourley

FMC NO. 260517

AGENT FOR \_\_\_\_\_

FMC NO. \_\_\_\_\_

DATE COMMENCED Dec. 21, 1988

TIME 1:35 p.m.

DATE COMPLETED Dec. 21, 1988

TIME 1:50 p.m.

NUMBER OF CLAIM UNITS

N 5 S \_\_\_\_\_ E \_\_\_\_\_ W 4

IDENTIFICATION POSTS NOT PLACED

were 1N, 2N, 3N, 4N, 5N, 5N/1W, 5N/2W, 5N/3W, 5N/4W, 4N/4W, 3N/4W, 2N/4W, 1N/4W, 4W, 3W, 2W, 1W

because of extreme topography, ice and snowfields.

\*If a witness post was placed for the legal corner post:

Bearing from witness post to true position of legal corner post

is \_\_\_\_\_ degrees,

at a distance of \_\_\_\_\_ metres.

Bearing from identification post to witness post \_\_\_\_\_

degrees, at a distance of \_\_\_\_\_ metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts, if applicable) are indicated.

Kelly Gourley  
Signature of Locator

THE INFORMATION ON THIS PHOTOGRAPH MUST BE CONFIRMED WITH THE GOLD COMMISSIONER FOR THE MINING DIVISION

SUB-RECORDER RECEIVED AD

JAN 9 1989  
301341J 1050.00  
VANCOUVER, B.C.

RECORDING STAMP



RECORD OF 4 POST CLAIM - MINERAL TENURE ACT

SECTION 23

MAP NO. 104B/7E

RECORD NO. 7208

MINING RECEIPT NO. 1000001 RECORDED AT Prince Rupert B.C. DATE OF RECORD February 17 1989

DO NOT WRITE IN THIS SHADED AREA

J. J. Murray  
GOLD COMMISSIONER

Skeena  
MINING DIVISION

APPLICATION TO RECORD A 4 POST CLAIM

1. TERRY HEINRICKS  
NAME OF LOCATOR

AGENT FOR GERALD N. ROSS  
NAME

BOX 311  
ADDRESS

274 EAGLE RIDGE DRIVE S.W.  
ADDRESS

STEWART B.C.

CALGARY, ALBERTA

636-2418 VOT IWO  
TELEPHONE POSTAL CODE

403-264-6161 T2V 2V7  
TELEPHONE POSTAL CODE

VALID SUBSISTING F.M.C. NO. 231990

VALID SUBSISTING F.M.C. NO. 286851

FMC CODE HEINTW

FMC CODE ROSSGN

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. 104B/7E in the SKEENA Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

ACCESS WAS GAINED BY HELICOPTER FROM STEWART B.C.  
THE LCP IS LOCATED 2.2 KM 345° NW OF BORDER LAKE AS MARKED WITH AN 'X' ON THE LOCATION MAP.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 118267

CLAIM NAME DEB 1

LOCATOR T. HEINRICKS

FMC NO. 231990

AGENT FOR GERALD N. ROSS

FMC NO. 286851

DATE COMMENCED FEB 17/89

TIME 1:20 PM

DATE COMPLETED FEB 17/89

TIME 1:30 PM

NUMBER OF CLAIM UNITS

N 5 S     E     W 4

IDENTIFICATION POSTS NOT PLACED

were NO CORNER OR IDENTIFICATION POSTS WERE PLACED - LCP ONLY  
because OF SEVERE WEATHER AND TOPOGRAPHICAL CONDITIONS.

\*If a witness post was placed for the legal corner post:

Bearing from witness post to true position of legal corner post

is     degrees,

at a distance of     metres.

Bearing from identification post to witness post    

degrees, at a distance of     metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

J. J. Murray  
Signature of Locator

ALL INFORMATION ON THIS PHOTO MUST BE FORWARDED WITH THE GOLD COMMISSIONER FOR THE MINING DIVISION

**RECEIVED**  
SUB RECORDER  
**FEB 21 1989**  
Trans 1000001  
STEWART, B.C. LD

RECORDING STAMP





RECORD OF 4 POST CLAIM - MINERAL TENURE ACT

MAP NO. 104B/7E

SECTION 23

RECORD NO. 7210

MINING RECEIPT NO. 1000001 RECORDED AT Prince Rupert B.C. DATE OF RECORD February 17, 1989

DO NOT WRITE IN THIS SHADED AREA

[Signature]  
GOLD COMMISSIONER

Skeena  
MINING DIVISION

APPLICATION RECORD A 4 POST CLAIM

TERRY HEINRICKS  
NAME OF LOCATOR

AGENT FOR GERALD N. ROSS  
NAME

BOX 311  
ADDRESS

274 EAGLE RIDGE DRIVES S.W.  
ADDRESS

STEWART B.C.

CALGARY, ALBERTA

636-2418 VOT 1W0  
TELEPHONE POSTAL CODE

403-264-6161 T2V 2V7  
TELEPHONE POSTAL CODE

VALID SUBSISTING F.M.C. NO. 231990

VALID SUBSISTING F.M.C. NO. 286851

FMC CODE HEINTW

FMC CODE ROSSGN

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. 104B/7E in the SKEENA Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

ACCESS WAS GAINED BY HELICOPTER FROM STEWART B.C.  
THE LCP IS LOCATED 2.2 KM 345° NW OF BORDER LAKE AS MARKED WITH AN 'X' ON THE LOCATION MAP.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post\*) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 118269

CLAIM NAME DEB 3

LOCATOR T. HEINRICKS

FMC NO. 231990

AGENT FOR GERALD N. ROSS

FMC NO. 286851

DATE COMMENCED FEB 17/89

TIME 1:20 PM

DATE COMPLETED FEB 17/89

TIME 1:30 PM

NUMBER OF CLAIM UNITS

N 5 S 5 E 4 W 4

IDENTIFICATION POSTS NOT PLACED

were NO CORNER OR IDENTIFICATION POSTS WERE PLACED - LCP ONLY  
because OF SEVERE WEATHER AND TOPOGRAPHICAL CONDITIONS.

\*If a witness post was placed for the legal corner post:  
Bearing from witness post to true position of legal corner post is \_\_\_\_\_ degrees,  
at a distance of \_\_\_\_\_ metres.  
Bearing from identification post to witness post \_\_\_\_\_ degrees, at a distance of \_\_\_\_\_ metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

[Signature]  
Signature of Locator

ALL INFORMATION ON THIS PHOTO RECORDED WITH THE MINE REGISTRATION DIVISION FOR THE GOLD COMMISSIONER OF THE MINING DIVISION

RECEIVED  
SUB RECORDER  
FEB 21, 1989  
Trans. # 1000001  
STEWART, B.C. & W.

RECORDING STAMP