

800615

**GEOLOGICAL REPORT
ON THE
LANCE PROPERTY**

**Skeena Mining Division
N.T.S. 104B/9W
Latitude 56° - 37'N
Longitude 130° - 20'W**

on behalf of

ROSS RESOURCES INC.
Calgary, Alberta

by

Rex Pegg, P.Eng.
KEEWATIN ENGINEERING INC.
#800 - 900 West Hastings Street
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May 31, 1989

Keewatin Engineering Inc.

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INTRODUCTION

This report on the Lance 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 Lance property, but is familiar with the regional geology and the geology of the nearby Eskay Creek property.

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 evaluate the property.

Location and Access

The Lance Property is located in northwestern British Columbia, approximately 80 kilometres northwest of Stewart (Figure 1). The claims are situated within N.T.S. map sheet 104B/9W and centred about 56° - 38' North latitude and 130° - 19' West longitude. Access to the property is by fixed wing aircraft from Terrace, Stewart or Smithers to various airstrips in the area and then via helicopter to the property. The claims can also be directly accessed by helicopter from Stewart.

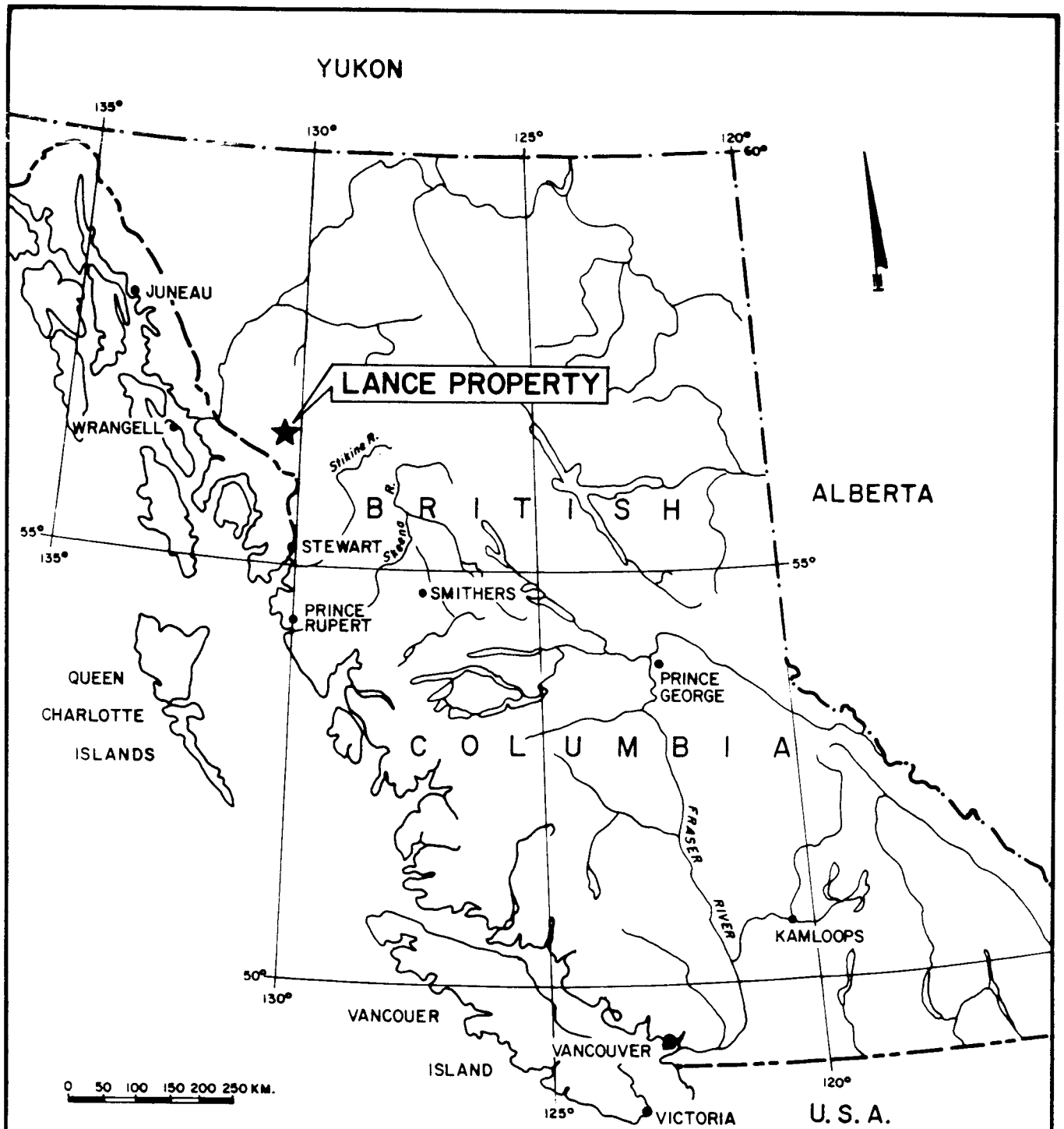
At some future date, road access to the area from the Stewart - Cassiar Highway could be obtained via the Upper Unuk River and Tiegen Creek valleys.

Property Status and Ownership

The property comprises 6 mineral claims (106 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>Date of Record</u>	<u>Expiry Year</u>	<u>Owner</u>
Lance 1	6106	20	28/04/87	1990	C. Pepperdine
Lance 3	6108	18	28/04/87	1990	C. Pepperdine
Lance 4	6109	18	28/04/87	1990	C. Pepperdine
Story 1	6983	10	12/11/88	1989	C. Graff
Th 1	7574	20	13/05/89	1990	T. Heinricks
Th 2	7575	20	13/05/89	1990	T. Heinricks

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



**PROPERTY LOCATION MAP
LANCE PROPERTY**

Figure 1

Physiography and Climate

The Lance 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 2,000 feet in the valley of Storie Creek to 6,000 feet in the southeast corner of the property.

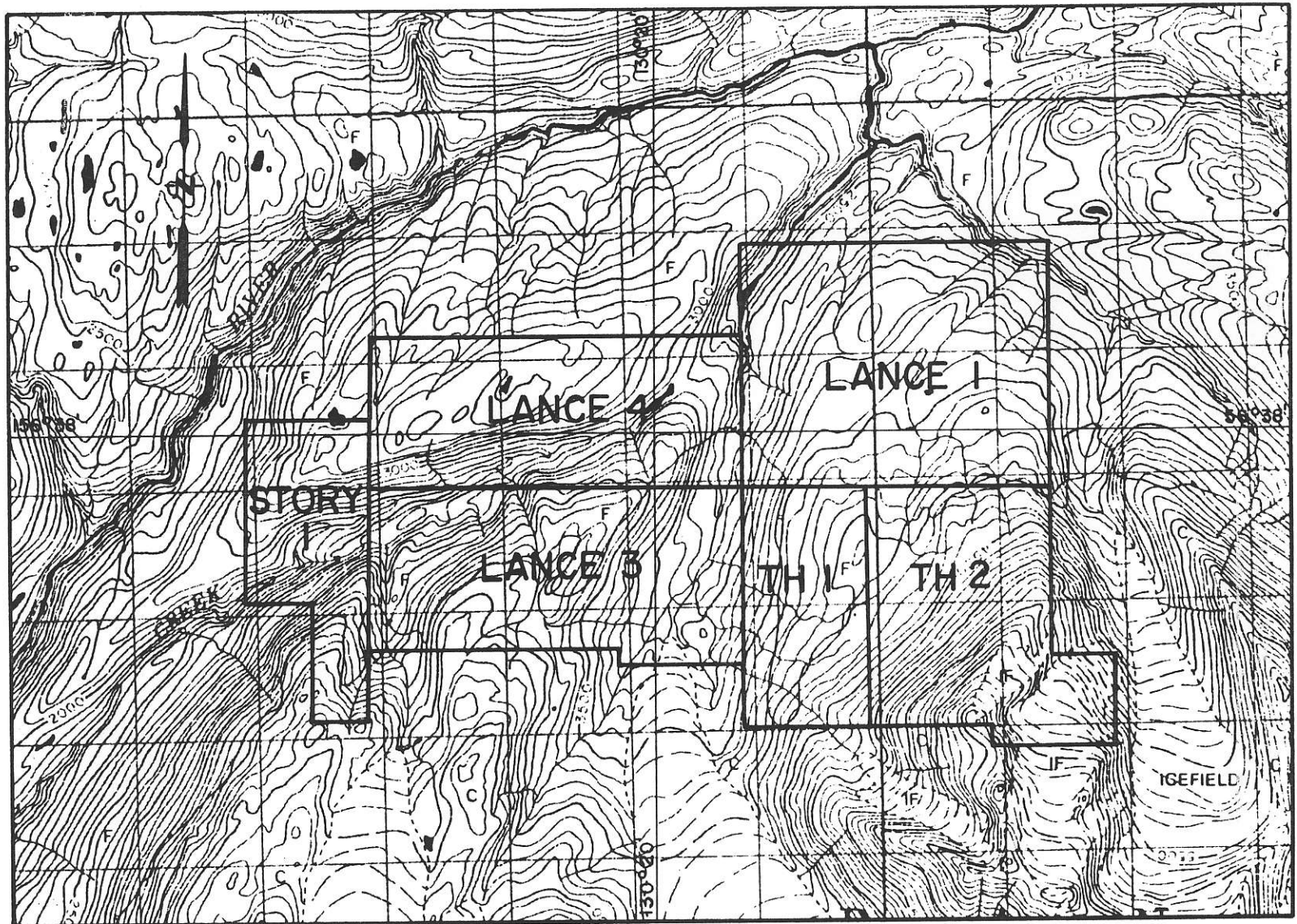
A transitional tree line, characterized by dense sub-alpine scrub, meanders through the property at, approximately, the 3,500 foot elevation. The terrain found above the tree line is typified by intermontane alpine flora. Conifers up to 30 metres tall are common below tree line, especially within the 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 property is slated for production in 1990.

The mineralization at Eskay Creek (Figure 4) was discovered in 1932 and active prospecting 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 excellent 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



Scale: 1:50,000

CLAIM MAP

Figure 2

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.

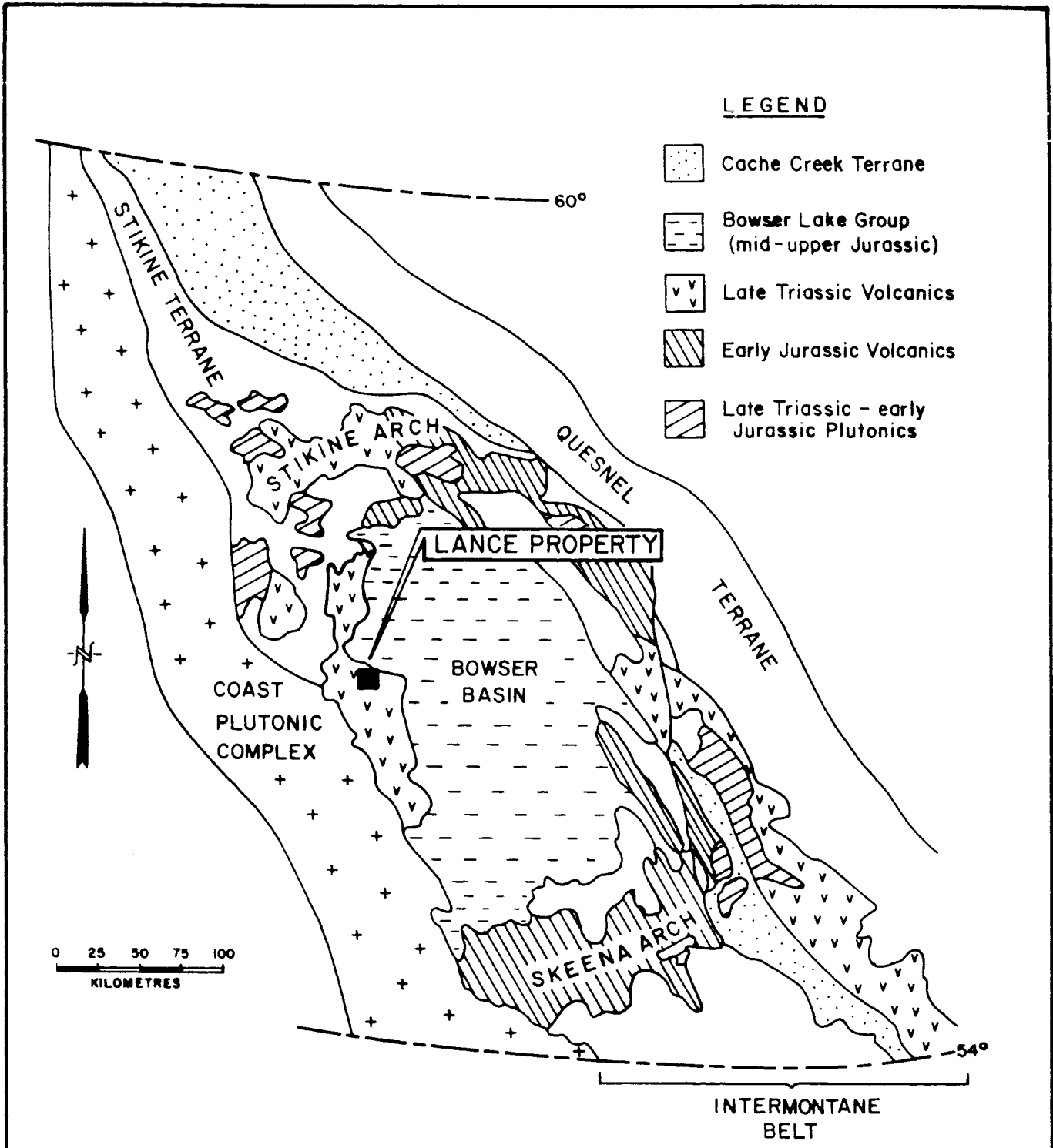
The Unuk River area was covered by regional geological mapping in 1988 as part of the Iskut-Sulphurets Project carried out by the B.C. Ministry of Energy, Mines and Petroleum Resources (Britten et al., 1989). The whole of NTS 104B is currently being mapped by R.G. Anderson of the Geological Survey of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

The results of a regional stream sediment sampling program conducted over this area were released in July, 1988 (National Geochemical Reconnaissance, 1988). In the Unuk River area, Britten et al. (1989) report that almost every known precious metal prospect in the Unuk River area is associated with high stream sediment gold values. Known gold deposits are also associated with high but variable values for such pathfinder elements as silver, arsenic, antimony and barium. Seven stream sediment samples were collected from streams draining the Lance Property. Six of these exhibit elevated to anomalous values (see Table 1) in several elements including two in gold.

TABLE 1
Anomalous Government Silt Sample Results

<u>Sample No.</u> <u>(no. on Figure 5)</u>	<u>Results</u>
873202 (1)	200 ppb Hg
873206 (2)	40 ppb Au
873204 (3)	24 ppb Au, 4.2 ppm Sb, 300 ppb Hg
873205 (4)	4.5 ppm Sb, 300 ppb Hg
871394 (5)	4.8 ppm Sb, 440 ppb Hg, 730 ppm Zn, 7.3 ppm Cd
873209 (6)	250 ppb Hg, 260 ppm Zn

During May of 1988, Shensha Consultants Limited of Calgary completed an interpretation of an airborne VLF-EM and Magnetic survey flown in 1988 by Western Geophysical Aero Data Ltd. for Dino Cremonese. This survey covered the ground which now comprises the Lance property. Shensha identified 13 VLF-EM anomalies and 10 magnetic highs which lie within the property boundary. They also indicated that 2 of the magnetic highs (see Figure 5) are probably due to an augite-syenite dyke or a porphyry. Shensha interpreted 7 of the VLF-EM anomalies as possibly caused by the presence of metallic sulphides (see Figure 5).



**REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA**

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic - modified from Thomson, 1985).

Figure 3

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 Lance 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 5) 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

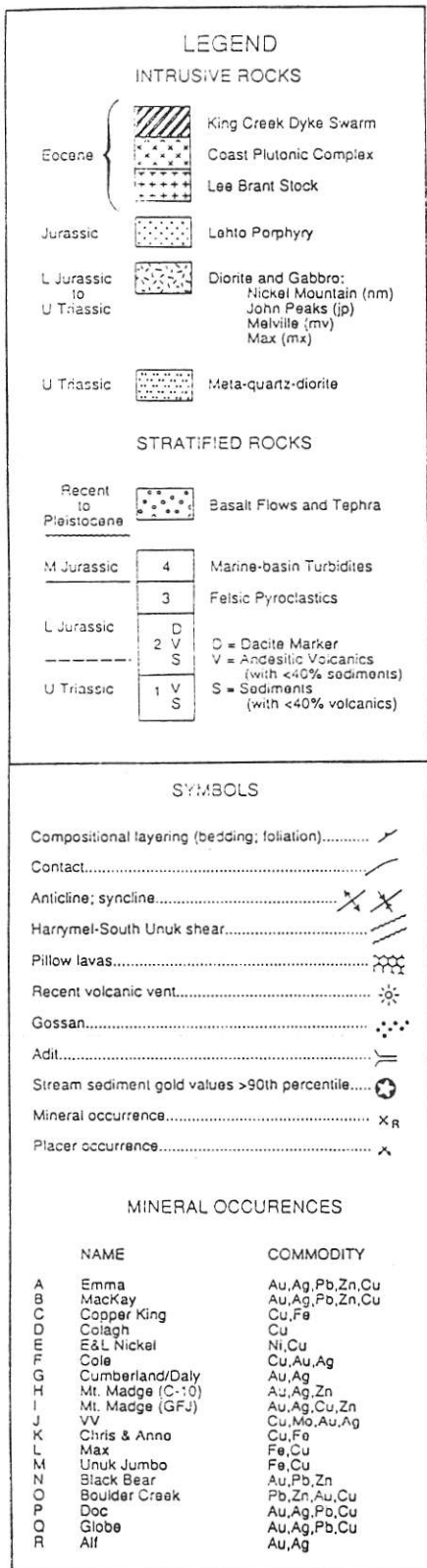
Although no traverses were carried out over the claims, regional geological mapping by Britton et al. (1989) shows that the Lance property is predominantly underlain by Jurassic sedimentary and volcanic strata (see Figure 5).

Salmon River Formation (Middle Jurassic)

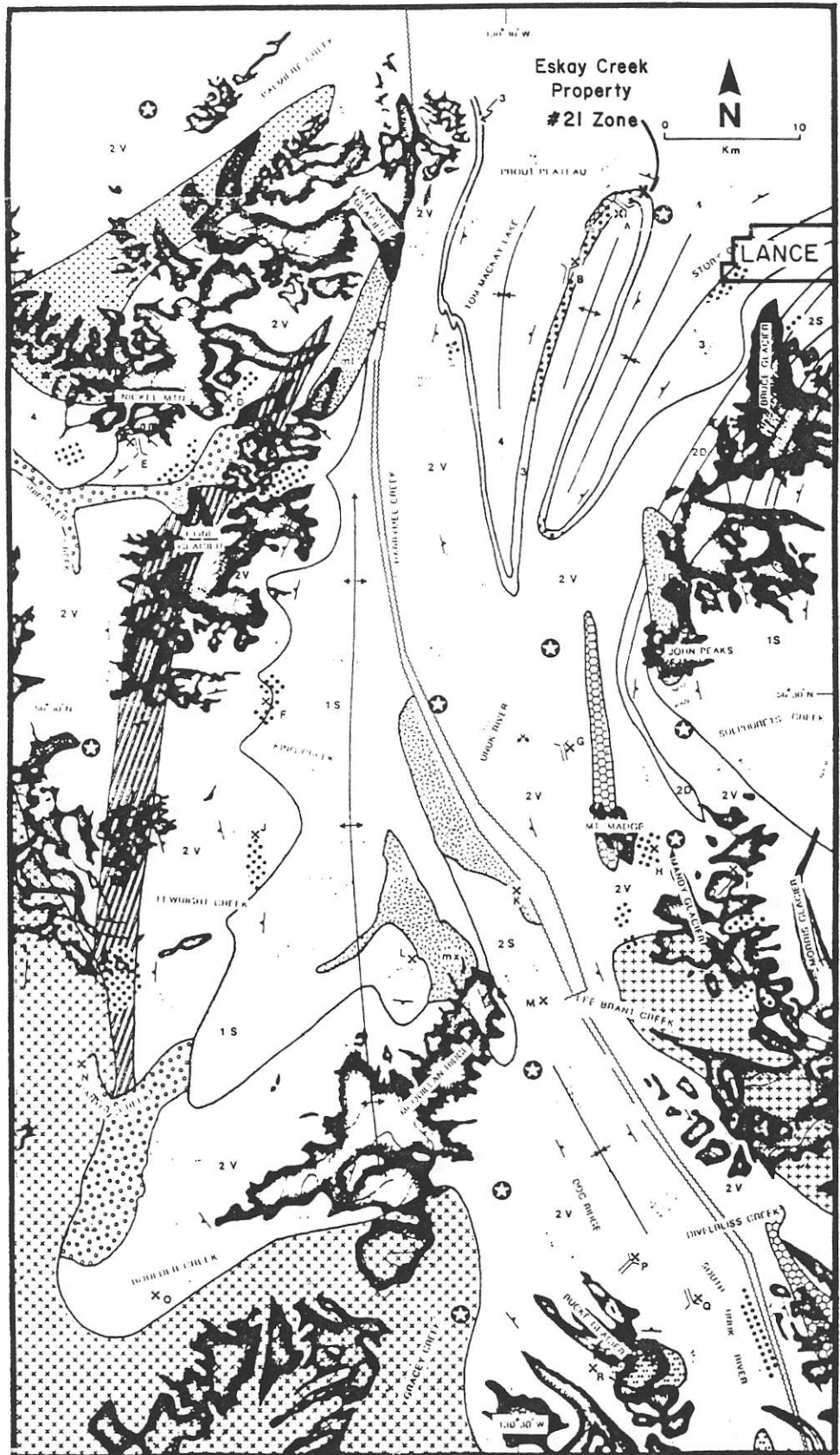
The northwestern part of the property is underlain by a sequence of dark grey well bedded siltstone with minor sandstone and conglomerate.

Mount Dilworth Formation (Lower Jurassic)

This sequence of intermediate to felsic pyroclastics forms a 50 to 500 metre wide, northeast trending belt which cuts through the central portion of the property. Britton et al. (1989) portrayed this sequence as carbonaceous, black and white mottled, locally flow-



NOTE: Not to scale



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

PROPERTY GEOLOGY

Figure 4

banded and autobrecciated. Locally, zones of disseminated pyrite (5-15%) and minor chalcedonic quartz veins have been reported.

Betty Creek Formation (Lower Jurassic)

This pyroclastic-epiclastic sequence is described as being dominantly black, thinly bedded siltstones, shales and argillites with lesser, massive to well bedded, grey, green and purple dacitic tuffs. Minor green and grey, massive to poorly bedded andesite is also present.

Unuk River Formation (Upper Triassic to Lower Jurassic)

The dominant unit appears to be black, thinly laminated siltstones, shales and argillites. Lesser, massive to poorly bedded grey and green plagioclase (\pm hornblende) porphyritic andesite and minor grey, brown and green, thinly bedded tuffaceous siltstone and fine-grained wacke are also present.

Stuhini Group (Upper Triassic)

This sequence is found on the southeast corner of the property and consists of grey and green andesitic breccia and lesser fine-grained andesite ash tuff.

Structure

Regionally, the property is located on the eastern limb of a northeast trending syncline which roughly follows the Unuk River.

Britton et al. (1989) has indicated several north to northeast trending normal faults which cut the property. These are described as mesoscopic structures which probably have relatively small offsets.

ECONOMIC GEOLOGY

Britten 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

LEGEND

- 5 Salmon River Formation (Middle Jurassic)
- 4 Mount Dilworth Formation (Lower Jurassic)
- 3 Betty Creek Formation (Lower Jurassic)
- 2 Unuk River Formation (Lower Jurassic)
- 1 Stukini Group (Upper Triassic)
- Disseminated pyrite (to 15%)
- Gossan
- Mineral occurrence
- Unuk (Zone I) - Ag, Au, Zn, Cu
- Fault
- Areomagnetic High (M₁ - augite - syenite dyke;
M₂ - porphyry)
- Airborne VLF-EM Anomaly
- x Anomalous Govt. Silt Sample Location
(see Table 2)

Geology after Britton (1989)

SCALE: 1:50,000



COMPILATION MAP

Figure 5

disseminations. Grove (1986) has determined that the age of the mineralizing events is variable and, notably, can be post-Triassic (Table 2).

No economically mineralized showings are known from the area covered by the Lance property. At this time, the Eskay Creek Prospect, located 4.5 kilometres northwest of the Lance Property, is the most significant showing in the area. This prospect comprises at least eight mineralized zones occurring over a strike length of 1,800 metres within a sequence of felsic volcanics (Mount Dilworth Formation). 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 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.

Approximately 0.5 km south of the Lance property, sketchy results from the Unuk (Zone 1) mineral occurrence indicate significant precious metal values. Grab samples collected in 1987 reportedly assayed up to 3.16 g/t gold and 74.1 g/t silver. The mineralization is reported to be hosted by volcanics of the Betty Creek Formation.

CONCLUSIONS

The relatively unexplored Lance 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 approximately 5 kilometres of strike length of the Mount Dilworth Formation which hosts the Eskay Creek Prospect. This east-northeast trending, 250 to 500 metre wide felsic sequence is very prospective.
- b) The property covers the northeast third of a large pyritic gossan hosted by the Mount Dilworth Formation. This occurrence appears to be untested.

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	HAZELTON ? 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	Rhyolite and andesitic pillow lavas	SALMON RIVER	
				(Satellite plutons)	Andesite and pillow lavas	BETTY CREEK	
Lower	Erosion Faulting Cataclasis Folding	?	Satellite plutons	Andesites, basalts and rhyolite flows, pillow lavas	UNUK RIVER FM.		
TRIASSIC	Upper	Erosion Faulting Folding	?	Satellite plutons	Andesite and basalt flows	TAKLA GRP.	Max deposits; magnetite and chalcopyrite
	230	Erosion	?				

TABLE 2. Table of Formations and Relationship Between Plutonism, Volcanism and Mineralization (from Grove, 1986)

- c) The majority of the claim area is underlain by sediments and lesser volcanics of the Betty Creek and Unuk River Formations (Lower Jurassic age). These formations appear to host the majority of gold/silver occurrences in the Sulphurets and Stewart gold camps.
- d) The airborne VLF-EM survey has outlined 7 anomalies which may be prospective.
- e) The airborne Mag survey outlined 2 anomalous highs which were interpreted as representing augite-syenite/porphyry intrusives at depth. A large number of the gold/silver deposits and occurrences in the region appear to be associated with alkaline intrusives.
- f) Britton et al. (1989) have indicated a few north-northeast trending faults cutting the Lower Jurassic stratigraphy. One of these cuts the very favourable Mount Dilworth Formation host. The presence of faulting in the claim area indicates some, possibly favourable, structural preparation.
- g) Two of the samples collected during the G.S.C. regional geochemical survey that drain the Lance property, returned anomalous gold values. Elevated values in zinc, mercury, antimony and cadmium were also reported. These results may be indicative of a mineralized system(s) located on the property.

RECOMMENDATIONS

It is recommended that the Lance property be subjected to a moderately detailed and staged 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 programs are recommended:

Component I - Phase I & II

- 1) An airphoto interpretation is proposed in order to delineate linear features which may be related to prospective faults or shears. 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 streams draining the property.
- 4) Reconnaissance soil sample grids (lines 100 m apart with 25 m station intervals) should be established to cover the airborne VLF-EM anomalies, the gossans and especially the favourable Mount Dilworth Formation. Favourable stream sample results 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 Mount Dilworth Formation should be concentrated on. In addition to determining the geology of the property, particular attention should be devoted to evaluating the following features:
 - the very pyritic section of the Mount Dilworth Formation
 - the delineated airborne VLF-EM anomalies, especially those associated with the aeromagnetic anomalies
 - the gossan situated in the central portion of the property
 - the fault structure in the central portion of the property where it cuts the Mount Dilworth Formation
 - airphoto lineaments identified through the proposed interpretation
 - additional gossans observed from the air
- 6) A provision for trenching and chip sampling of prospects is proposed.

Component II

A drilling program, contingent on favourable results, is proposed.

ESTIMATED BUDGET**Component I - Phase I****Pre-Field**

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

Field Program**Personnel**

Project Supervision	4.0 days @ \$425/day	\$ 1,700	
Geochemist	2.5 days @ \$400/day	1,000	
Project Geologist	15.0 days @ \$350/day	5,250	
Prospector	15.0 days @ \$275/day	4,125	
Field Assistants	2 x 15.0 days @ \$250/day	7,500	
Cook	15.0 days @ \$225/day	<u>3,375</u>	
			\$ 22,950

Camp Support

Food & accommodation	115.0 man days @ \$ 75/day	\$ 8,625	
Communications (radios, telephone, fax)		1,500	
Disposable supplies and fuel		3,000	
Generator, chain saw		1,500	
Expediting, freight		1,500	
Travel and accommodation		<u>1,500</u>	
			\$ 17,625

Transportation

Mobilization		\$ 7,500	
Fixed Wing (service flights)		7,500	
Helicopter support	22 hrs @ \$600/hr	<u>13,200</u>	
			\$ 28,200

Geochemical Analyses

Soils/Silts	650 samples @ \$14 ea.	\$ 9,100	
Rocks	150 samples @ \$15 ea.	<u>2,250</u>	
			\$ 11,350

Contingency Allowance

\$ 8,675

Post-Field

Data compilation, report writing, secretarial and
drafting \$ 5,200

TOTAL: \$100,000

R

ESTIMATED BUDGET**Component I - Phase II****Field Program****Personnel**

Project Supervision	4.0 days @ \$425/day	\$ 1,700	
Geochemist	2.5 days @ \$400/day	1,000	
Project Geologist	15.0 days @ \$350/day	5,250	
Prospector	15.0 days @ \$275/day	4,125	
Field Assistants	2 x 15.0 days @ \$250/day	7,500	
Cook	15.0 days @ \$225/day	<u>3,375</u>	\$ 22,950

Camp Support

Food & accommodation	115.0 man days @ \$ 75/day	\$ 8,625	
Communications (radios, telephone, fax)		1,500	
Disposable supplies and fuel		3,000	
Generator, chain saw		1,500	
Expediting, freight		1,500	
Travel and accommodation		<u>1,500</u>	\$ 17,625

Transportation

Demobilization		\$ 7,500	
Fixed Wing (service flights)		7,500	
Helicopter support	23 hrs @ \$600/hr	<u>13,800</u>	\$ 28,800

Geochemical Analyses

Soils/Silts	650 samples @ \$14 ea.	\$ 9,100	
Rocks	150 samples @ \$15 ea.	<u>2,250</u>	\$ 11,350

Trenching

Blasting crew and powder			\$ 5,000
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Contingency Allowance

\$ 8,575

Post-Field

Data compilation, report writing, secretarial and drafting			\$ 5,700
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TOTAL: \$100,000

RF

ESTIMATED BUDGETComponent II (Contingent Drilling Program)Pre-Field

Project logistics, permit application, map preparation, crew and material assembly	\$ 6,000
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Field ProgramPersonnel

Project Supervision	5.0 days @ \$425/day	\$ 2,125
Project Geologist	20.0 days @ \$350/day	7,000
Field Assistants	2 x 20.0 days @ \$250/day	10,000
Cook	20.0 days @ \$225/day	<u>4,500</u>
		\$ 23,625

Camp Support

Core Rack		\$ 5,000
Food & accommodation	200.0 man days @ \$75/day	15,000
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>
		\$ 38,000

Transportation

Fixed Wing (service flights)		\$15,000
Helicopter support	30 hrs @ \$600/hr	<u>18,000</u>
		\$ 33,000

Diamond Drilling

600 metres @ \$95/metre	\$ 57,000
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Geochemical Analyses

Rocks	600 samples @ \$15 ea.	\$ 9,000
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Trenching

Blasting crew and powder	\$ 5,000
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Contingency Allowance

\$ 17,175

Post-Field

Data compilation, report writing, secretarial and drafting	<u>\$ 11,200</u>
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TOTAL:	<u>\$200,000</u>
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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 Lance Property, Skeena Mining Division, British Columbia", dated May 31, 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.

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APPENDIX I

Lance Property - Claim Recording Documents

RECORD OF MINERAL CLAIM - MINERAL ACT

MAP NO 104B/9W

FORM D

RECORD NO 6106

MINING RECEIPT NO 289578J

RECORD

Prince Rupert

BOOK

28

DATE OF

April

87

DO NOT WRITE IN THIS SHADED AREA

Chris Pefferman

Dep. GOLD COMMISSIONER

Skeena
MINING DIVISION

CHRIS PEFFERMAN

AGENT FOR

2436 W 1ST AVE

ADDRESS

ADDRESS

VANCOUVER B.C. V6K 1G5

VALID SUBSISTING F.M.C. NO 2896890

VALID SUBSISTING F.M.C. NO

MINING DIVISION SKEENA

MAP NO

104B/9W

STATE THAT I COMMENCED LOCATING THE LANCE 1

MINERAL CLAIM

ON THE 2 DAY OF APRIL 87 AT 10:15 AM AND COMPLETED THE LOCATION

ON THE 2 DAY OF APRIL 87 AT 10:25 AM CONSISTING OF

4 UNITS LENGTHS NORTH AND 5 UNITS LENGTHS EAST AND I HAVE EXPRESSED ALL THE REQUIRED INFORMATION

ON METAL TAGS NO 127616 WHICH HAVE BEEN PROMPTLY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS

IDENTIFICATION POSTS NOT PLACED WERE 1N, 2N, 3N, 4N, 4N/1E, 4N/2E, 4N/3E, 4N/4E, 4N/5E, 2N/5E, 1N/5E SE, 4E, 3E, 2E, 1E (VERY STEEP TERRAIN, SOME)

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

APPROXIMATELY 89 KM AT A BEARING OF 60° FROM THE JUNCTION OF STOREY CREEK AND THE UNUK RIVER

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

BEARINGS AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST

I HAVE READ AND UNDERSTAND ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STATING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN ACCEPTABLE TO THE GOLD COMMISSIONER OF THE LOCATION

Chris Pefferman
SIGNATURE

SUB-RECORDER
RECEIVED

APR 28 1987

M.R. 289578J/1310

VANCOUVER, B.C.

OFFICE STAMP

NO. OF UNITS 20

WORK NUMBER	DATE	MINING RECEIPT NO. AND DATE RECEIVED	TYPE OF WORK	DATE OF PAYMENT	AMOUNT PAID	TRANSFERS TO BE ASSIGNED TO CONVEYANCES
59		Apr 28/88 1595801		Apr 25/89		
89	2,000	3228975 Mar. 29/89		Apr. 25/90		

MAP NO 104B/9W FORM G RECORD NO 6108

MINING RECEIPT NO 289578J ACCOUNT AT Prince Rupert NO THE 28 DAY OF April 1987

DO NOT WRITE IN THIS SHADED AREA

J. McWarrig
 Dep.

Skeena

APPLICATION TO RECORD A MINERAL CLAIM

NAME CHRIS PEPPERDINE AGENT FOR
 ADDRESS 2436 W 1ST AVE
VANCOUVER B.C. V6K 1G5
 VALID SUBSISTING F.M.C. NO 2896 890
 MINING DIVISION SKEENA MAP NO 104B/9W

STATE THAT I COMMENCED LOCATING THE LANCIE 3 MINERAL CLAIM

ON THE 2 DAY OF APRIL 1987 AT 10:15 AM AND COMPLETED THE LOCATION

ON THE 2 DAY OF APRIL 1987 AT 10:25 AM CONSISTING OF

3 UNIT LENGTHS SOUTH AND 6 UNIT LENGTHS WEST AND HAVE IMPRESSED ALL THE REQUIRED INFORMATION

ON METAL TAGS NO 127618 WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS

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

CHECK THE LEGAL CORNER POINT IS SITUATED

APPROXIMATELY 8.9 KM AT A BEARING OF 60° FROM THE JUNCTION OF STARRIS CREEK AND THE UNUK RIVER

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

BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN ACCEPTABLE TO THE GOLD COMMISSIONER OF THE LOCATION.

Chris Pepperdine
 SIGNATURE

SUB-RECORDER RECEIVED
 APR 28 1987
 M.R. # 289578J & 127618
 VANCOUVER, B.C.
 OFFICE STAMP

NO OF UNITS 18

UNIT NUMBER	CLAS	MINING RECEIPT AND DATE RECEIVED	DATE OF STAKING	CHECK WORKING	TRANSFERS (IF \$5 ASSIGNMENTS CONVEYANCED)
59		Apr 26/88 159582J	April 26/89		
89	1,800	March 20/89 322895J	Apr. 28/89		

AP NO 104B/9W FORM C RECORD NO 6109

MINING RECEIPT NO. 289526J LOCATION Prince Rupert DISTRICT 28 DATE OF April 1987

DO NOT WRITE IN THIS SHADED AREA

Emil Darnig
Dep. District Manager

Skeena
Mining District

APPLICATION OF RECORD A MINERAL CLAIM

CLAIMANT CHRIS PEPPERONE AGENT FOR _____
 ADDRESS 2436 W 1ST AVE
VANCOUVER BC V6K 1G5
 VALID SUBSISTING F.M.C. NO. 2896 890 VALID SUBSISTING F.M.C. NO. _____
 MINING DIVISION SKEENA DISTRICT 104 B / 9W

STATE THAT I COMMENCED LOCATING THE KANCE 4 MINERAL CLAIM

ON THE 2 DAY OF APRIL 1987 AT 10:15 AM AND COMPLETED THE LOCATION

ON THE 2 DAY OF APRIL 1987 AT 10:25 AM AND DISTANCE OF

3 UNIT LENGTHS NORTH AND 6 UNIT LENGTHS WEST AND HAVE MARKED ALL THE REQUIRED INFORMATION ON METAL TAGS NO. 122619 WHICH HAS BEEN PROMPTLY RETURNED TO THE AGENT AS REQUIRED UNDER THE REGULATIONS

NEED LOCATION POSTS NOT PLACED WERE 1N, 2N, 3N, 3N/1W, 3N/2W, 3N/3W, 3N/4W, 3N/5W, 3N/6W, 2N/6W, 1N/6W, 6W, 5W, 4W, 3W, 2W, 1W (VERY STEEP TERRAIN, DEEP SNOW)

HECK 1 APPLICABLE SQUARE THE LEGAL CORNER POINT THE LEGAL CORNER POINT IS SITUATED APPROXIMATELY 8.9 KM AT A BEARING OF 60° FROM THE JUNCTION OF STABLE CREEK AND THE WINK RIVER

BEARING AND DISTANCE FROM LEGAL CORNER POINT TO THE CLAIMANT'S POST

BEARING AND DISTANCE FROM LEGAL CORNER POINT TO THE CLAIMANT'S POST

CLAIM COMPLETED WITHIN THE TERMS OF THE MINERAL ACT AND REGULATIONS AND THE CLAIMANT HAS ATTACHED A PLAN ACCEPTABLE TO THE DISTRICT COMMISSIONER OF THE LOCATION

Chris Pepperone
SIGNATURE

SUB RECORDER RECEIVED
 APR 28 1987
 M.R. # 289526J 1310
 VANCOUVER B.C.

NO. OF UNITS 18

UNIT NUMBER	AREA	DATE RECEIVED	DATE OF WORK	DATE OF PLAN	APPROVAL	TRANSFERS
59		Apr 28/85		Apr 28/89		
89	1,800	March 22/89		Apr 28/89		

1035/9W
 300592J Prince Rupert November 12 88
 Skeena

Tom Dunning
 Deputy Registrar

REGISTRATION RECORD A POST CLAIM

LOCATOR NAME OF LOCATOR: Edward Alianis
 ADDRESS: 1011-237 W. HASTINGS ST VAN. B.C.
 TELEPHONE: 689 7270 POSTAL CODE: V6C 1C4
 VALID SUBSISTING F.M.C. NO.: 226149
 F.M.C. CODE: ALIOE

AGENT FOR NAME: Chris Graff
 ADDRESS: 1010-237 W HASTINGS ST VAN B.C.
 TELEPHONE: 681 4402 POSTAL CODE: V6C 1C4
 VALID SUBSISTING F.M.C. NO.: 299110
 F.M.C. CODE: GRAFC

I hereby apply for a record of a post claim for the localities set out on the attached copy of mineral titles reference map.

No. 104319U in the SKEENA Mining Division.

ACCESS: Describe how you gained access to the localities and the nature of the roads, trails, logging and features, permanent landmarks, and a description of the legal post position.

Access by helicopter, land is located at The Point on the field at a bearing of 60 degrees and at a distance of 5.9 km from the confluence of Skeena Creek and the Uman River. 60th

I have securely retained the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post for witness post and impressed this information on the tag.

IDENTIFICATION POSTS NOT PLACED

10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000

LEGAL CORNER POST TAG NO. 39375
 CLAIM NAME: STARY 1
 LOCATOR: Edward Alianis
 F.M.C. NO.: 226149
 AGENT FOR: Chris Graff
 F.M.C. NO.: 299110
 DATE COMMENCED: November 12, 1988
 TIME: 10:45 AM
 DATE COMPLETED: November 12, 1988
 TIME: 11:30 AM
 NUMBER OF CLAIM UNITS: N 5 S 1 E 1 W 2

because adverse claim, trespass and other conditions

The witness post was placed for the legal corner post. Bearing from witness post to this 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.

Edward Alianis
 Signature of Locator

SUB-RECORDER FILED
 NOV 16 1988
 M.R. # 300592J & 445
 VANCOUVER, B.C.
 RECORDING STAMP



RECORD OF 4 POST CLAIM - MINERAL TENURE ACT

MAP NO 104B/9W

SECTION 25

RECORD NO 7574

MINING RECEIPT NO 1000027 RECORDED AT Prince Rupert B.C. DATE OF RECORD May 13 1989

DO NOT WRITE IN THIS SHADED AREA

GOLD COMMISSIONER

Skeena Mining Division

TERRY HEINRICKS NAME OF LOCATOR

AGENT FOR

Box 311 ADDRESS

STEWART B.C. ADDRESS

636-2418 TELEPHONE VOT/110 POSTAL CODE

VALID SUBSISTING F.M.C. NO 231990

F.M.C. CODE HEINTW

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/10W 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 1900 METERS 292° NW OF A SMALL LAKE ON STORIE CREEK 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 118393

CLAIM NAME TH 1

LOCATOR T. HEINRICKS

F.M.C. NO 231990

AGENT FOR

F.M.C. NO

DATE COMMENCED MAY 13/89

TIME 4:37 PM

DATE COMPLETED MAY 13/89

TIME 4:45 PM

NUMBER OF CLAIM UNITS

N 5 S E 4 W

IDENTIFICATION POSTS NOT PLACED

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 possible 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 of Locator

PAID MAY 25 1989 GOVERNMENT AGENT STEWART & D 1000027 TRANS 1000027 RECORDING STAMP

RECORD OF 4 POST CLAIM - MINERAL TENURE ACT

MAP NO. 104B/9W

SECTION 23

RECORD NO. 7575

MINING RECEIPT NO. 1000027 RECORDED AT Prince Rupert BC DATE OF RECORD May 13 '89

DO NOT WRITE IN THIS SHADED AREA

GOLD COMMISSIONER

Skeena
MINING DIVISION

APPLICATION TO RECORD A 4 POST CLAIM

I, TERRY HEINRICKS AGENT FOR

Box 311 ADDRESS

STEWART B.C.

636-2418 TELEPHONE VOTIWO POSTAL CODE

VALID SUBSISTING F.M.C. NO. 231990

F.M.C. CODE HEINTW.

herby 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/10W in the SKENA 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 1900 METERS 2920 NW OF A SMALL LAKE ON STORIE CREEK AS MARKED WITH AN 'X' ON THE LOCATION MAP.

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

LEGAL CORNER POST

TAG NO. 118392

CLAIM NAME TH 2

LOCATOR T HEINRICKS

F.M.C. NO. 231990

AGENT FOR Ø

F.M.C. NO. Ø

DATE COMMENCED MAY 13/89

TIME 4:37 PM

DATE COMPLETED MAY 13/89

TIME 4:45 PM

NUMBER OF CLAIM UNITS

N 5 E 4 W

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 the 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 of Locator T. Heinricks

PAID

MAY 25 1989

GOVERNMENT AGENT
STEWART & D.

1000027
TRANS # 1000027

RECORDING STAMP