LOG NO: April 30/91	RD.
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FILE NO:	

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

CROWN SOUTH PROPERTY

Liard Mining Division, British Columbia
NTS 104B/10E
Latitude: 56°-43' North
Longitude: 130°-31' West

Prepared for

CANADIAN CARIBOO RESOURCES LTD.
Vancouver, B.C.

Prepared by

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

April 14, 1991

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INTRODUCTION

The Crown South property is located within the "Golden Triangle" area of northwestern British Columbia which hosts the mesothermal shear/vein Snip gold deposit and the polymetallic Eskay Creek deposit. The Snip, which is undergoing production preparation by Cominco Ltd., has ore reserves, cut and diluted, of 1.032 million tons grading 0.875 oz/ton gold (Vancouver Stockwatch, November 7, 1989). The Eskay Creek deposit has geochemical reserves of 4.364 million tons grading 0.77 oz/ton gold and 29.12 oz/ton silver (Vancouver Stockwatch, September 18, 1990). The Crown South property is located some 34 km east-northeast of the Snip and 9 km north-northwest of the Eskay Creek deposit.

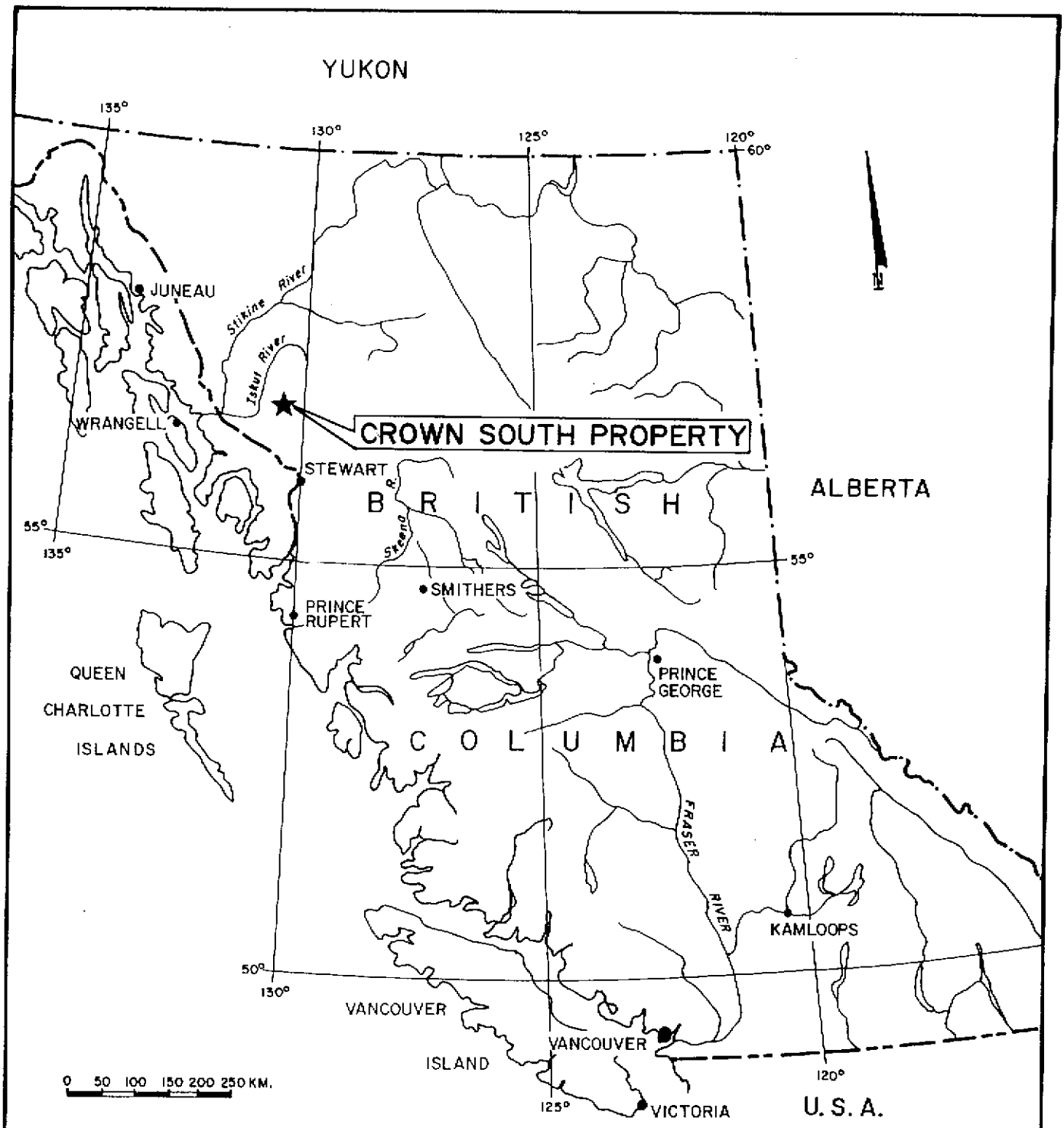
During September of 1990, Keewatin Engineering Inc. was engaged by Canadian Cariboo Resources Ltd., the project operator, for the purpose of conducting a small exploration program on the property. The target was economic gold ± silver ± base metal mineralization, in particular an Eskay Creek and/or Snip-type of deposit.

1. Location, Access, Physiography and Climate

The Crown South property is located in northwestern British Columbia, approximately 90 km northwest of the town of Stewart (Figure 1). The property is centred upon 56°-43' North latitude and 130°-31' West longitude. This is within the 104B/10E NTS map sheet.

Access is by fixed-wing aircraft from Smithers or Terrace (290 km to the southeast) to the Bronson creek airstrip which services the Snip deposit. Transprovincial Airlines Ltd. of Terrace provided daily scheduled trips into the area and would land at Bronson Creek on request. Central Mountain Airlines of Smithers serviced the area with trips on Monday, Wednesday and Friday, as well as numerous unscheduled supply flights. Alternate fixed-wing access is from Wrangell, Alaska which is located at tidewater, 80 km to the west of the airstrip. The Bronson Creek airstrip was lengthened to 1,600 metres during 1988 and is now capable of accommodating Hercules aircraft. Small aircraft are also able to land at the Forrest Kerr airstrip.

Access to the property from Bronson Creek can be made by helicopter, a distance of some 34 kilometres. Numerous landing spots are found throughout the property.



PROPERTY LOCATION MAP

CROWN SOUTH PROPERTY

Figure 1

KEEWATIN ENGINEERING INC.

Future road access to the area will follow the Iskut River Valley from Bob Quinn Lake on the Stewart-Cassiar Highway to Bronson Creek. This road, whose construction was announced by the B.C. government in 1990, will pass within 5 km of the Crown South property.

The Crown South property covers fairly steep, southeast to southwest facing slopes which are cut by numerous, deeply incised creek drainages. Much of the property is above treeline, with the northeastern and eastern side of the property partially covered by glacial ice. Elevations range from 1,890 metres in the northwest to less than 823 metres in the southwestern corner of the property.

A transitional tree line is found at the 915 metre elevation and is covered by scattered, dwarfed shrubs. At lower elevations, along the southern boundary, are mature hemlock and spruce trees. Several patches of slide alder and devil's club were also observed.

The climate is typified by cold, snowy winters and warm, wet summers. Snow accumulations at the higher elevations normally exceed five metres.

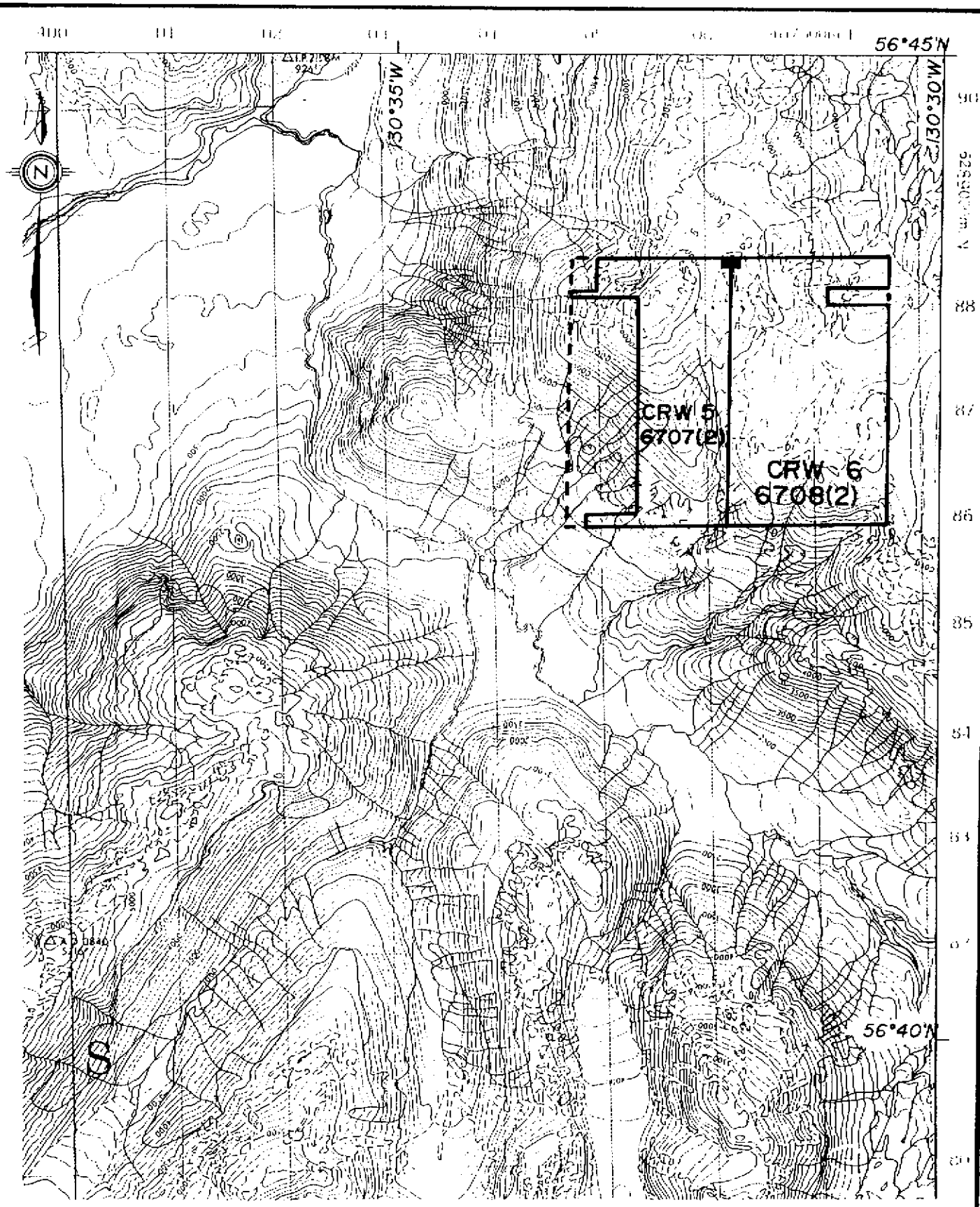
2. Property Status

The property consists of two contiguous mineral claims (30 units). These claims are registered in the name of Canadian Cariboo Resources Ltd. and are located within the Liard Mining Division. Their status (Figure 2) is summarized as follows:

TABLE 1: Claim Status

Claim Name	No. of Units	Record No.	Date Recorded	Expiry Year
CRW 5	15	6707	February 13, 1990	1994
CRW 6	15	6708	February 13, 1990	1993

It should be noted that the claims were located by a common Legal Corner Post only, due to steep terrain and deep snow conditions at the time of staking. Due to overstaking of pre-existing claims, the ground covered by the Crown South's claims is considerably less than the 30 claim units recorded. No effort was made to locate the Legal Corner Post during 1990.



■ LEGAL CORNER POST (LCP)

CLAIM MAP
CROWN SOUTH PROPERTY

NTS 104B/10E

Figure 2

0 1 km

1:50,000

Keewatin Engineering Inc.

3. History of Exploration

The area drained by the upper reaches of the Stikine, Iskut, Unuk, Craig and Bell-Irving Rivers has been explored since the late 1800's when prospectors passed through the region on their way to the interior. In the 1950's and 1960's, the porphyry copper-molybdenum boom brought numerous mining companies into the area. During this time, the Galore Creek porphyry copper-gold deposit was discovered.

Intense exploration began again in the early 1980's, and was then, as now, primarily for gold. At that time the Johnny Mountain property was acquired by Skyline Exploration Ltd. (now Skyline Gold Corp.), the Snip property by Cominco Ltd. (now owned and operated by the Prime Resources Corporation and Cominco Ltd.), and the Sulphurets property by Esso Minerals Ltd. (now owned by Newhawk Gold Mines Ltd./Corona Corporation/Granduc Mines Ltd.). Since 1990, well over 100 new gold prospects have been found in the Iskut-Unuk-Sulphurets-Stewart-Galore areas (Golden Triangle), establishing the entire region as a major gold 'camp'.

The Eskay Creek deposit, a joint venture between Stikine Resources Ltd. and Prime Resources Group Inc., appears to be the most significant discovery found to date. Gold was first discovered in the Eskay Creek area in 1932 and exploration has continued there, sporadically, since then. Prior to the current Eskay Creek joint venture, eleven companies carried out exploration on the present claim area. This included diamond drilling (over 13,000 feet) and underground development to the south of the recent discovery (after Idziszek et al., Mining Magazine, March 1990). In September of 1988, the first significant, high grade gold, silver and base metal mineralization was intersected in a drill hole, on what is called the #21 Zone. Mineralized drill intercepts up to 660 feet long have been reported. In drill hole 109, a 200 foot section averaged 2.9 oz/ton gold, 0.85 oz/ton silver, 1.9% lead and 3.4% zinc. By September 1990, 657 drill holes had been completed. The #21 Zone has been extended for 4,600 feet along strike and remains open, both along strike and down dip. Preliminary geological reserves of 4,364,000 tons uncut and undiluted, grading 0.77 oz/ton gold and 29.12 oz/ton silver have been calculated (Vancouver Stockwatch, September 18, 1990).

In the Iskut River area are the Johnny Mountain and Snip deposits. The Johnny Mountain Gold Mine which began production in 1988 and closed in 1990, currently has proven and possible ore reserves of 740,000 tons grading 0.52 oz/ton gold, 1.00 oz/ton silver and 0.75% copper (D. Yeager, Skyline Gold Corp., personal communication). The adjacent Snip deposit presently has ore reserves,

cut and diluted, of 1.032 million tons grading 0.875 oz/ton gold (Vancouver Stockwatch, November 7, 1989). Cominco Ltd. expects to bring the Snip into production in early 1991.

On the north side of the Iskut River, numerous gold occurrences have been reported. Avondale Resources' Forrest claims and Kestral Resources' KRL claims were subjected to extensive exploration during 1989 and 1990. Drilling was done on both of these properties during 1990. Gulf International Minerals carried out a successful drill program on their McLymont Creek property. They have drilled over 31 holes from which results include 17.37 metres of 0.346 oz/ton gold and 9.63 metres of 2.122 oz/ton gold (Vancouver Stockwatch, July 24 and August 30, 1990).

During 1990, exploration intensified further north, in the More Creek-Forrest Kerr Creek area, after Noranda announced the discovery of high grade, polymetallic boulders on their GOZ-RDN property. Noranda's exploration evidently revealed four mineralized zones (George Cross Newsletter, September 13, 1990). Boulders from the Carcass Creek zone reportedly assayed up to 2.69 oz/ton gold, 2.43 oz/ton silver, 3.2% copper, 43.7% zinc and 3.96% lead. Initial results from their Waterfall zone returned 0.154 oz/ton gold across an estimated true width of 7.73 metres. Noranda has completed an airborne EM and magnetometer survey and drilled fifteen holes. Final drill results are still to be reported. Noranda has a number of other joint ventured properties in the More Creek area on which mineralized and altered, auriferous structural zones have been reported.

A review of the assessment files and Minfile data indicates that no previous exploration work has been reported from the area presently covered by the Crown South property.

In 1988, results from a governmental stream sediment survey of the region were released. The three samples collected from creeks draining the present Crown South property area returned only slightly elevated zinc and nickel values. All other elements are at background levels.

Recent regional, geological mapping by the GSC (Read et al., 1990) covered the area of the Crown South property.

4. 1990 Work Program Summary

During September and October, Keewatin's field personnel carried out geological, geochemical and prospecting traverses on the property. An area of, approximately, 2.76 km² was geologically mapped and prospected during this program. Rock, soil and most of the silt samples were collected

during the course of the geological traverses. Several of the silt samples were collected, just south of the claim boundaries, from creeks draining the property.

GEOLOGY

1. Regional Geology

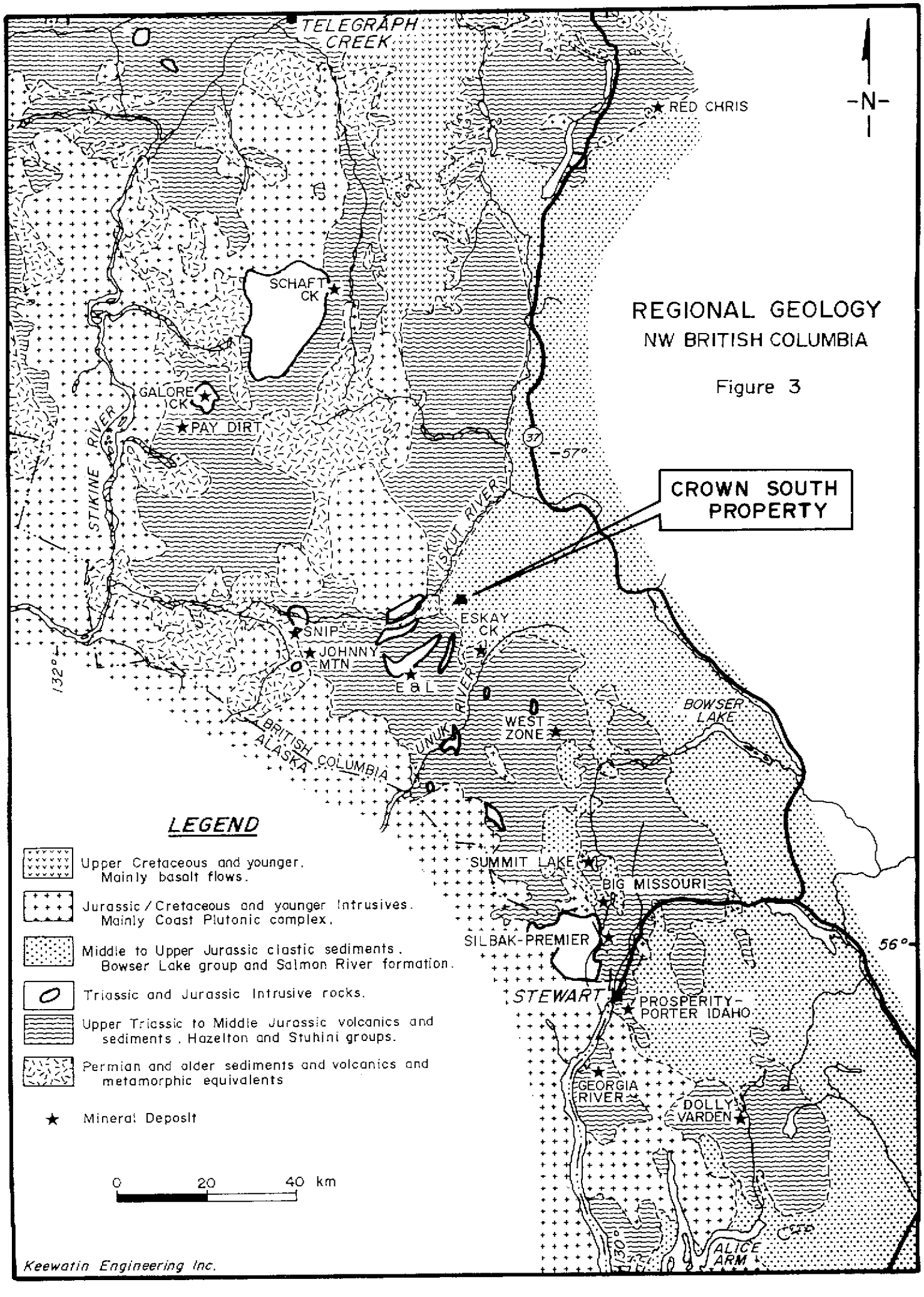
The Forrest Kerr Creek-Iskut River area lies within the Intermontane tectono-stratigraphic belt - one of five, parallel, northwest/southeast trending belts which comprise the Canadian Cordillera. This belt of Permian to Middle Jurassic volcanic and sedimentary rocks defines the Stikinia/Stikine terrain (Figure 3). This is bounded on the west by the Coast Plutonic Complex and overlapped on the east by sediments of the Bowser Basin. The belt has been intruded by at least four episodes of plutonic rocks, from Late Triassic to Oligocene-Miocene. These include synvolcanic plugs, small stocks, dyke swarms, isolated dykes and sills, as well as batholiths belonging to the Coast Plutonic Complex.

The entire sequence has undergone various degrees of folding, faulting and metamorphism.

2. Property Geology

Mapping by Read (1990) indicated that the area covered by the Crown South property is underlain by sediments of the Bowser Lake Group (Middle and Upper Jurassic). Extrapolation of mapping to the south by Alldrick (1989) indicates that the property should be underlain by sediments of the Salmon River Formation (Middle Jurassic). Unfortunately, Alldrick included Bowser Lake Group strata within his Salmon River Formation.

Mapping during 1990 indicates that the property is predominantly underlain by fissile and frost heaved, well bedded, dark grey siltstone. Lesser interbeds of sandstone and polymictic conglomerate were also observed. The sandstones are generally well bedded and display minor carbonate fracture fillings and local siderite patches. The conglomerates contain subrounded, black siltstone clasts, up to 2.5 cm in diameter, quartz grains and light to medium grey feldspathic clasts, 2 to 8 mm across.


TELEGRAPH CREEK
RED CHRIS
N
REGIONAL GEOLOGY
NW BRITISH COLUMBIA
Figure 3
SCHAFT CK
GALORE CK
PAY DIRT
STIKINE RIVER
37
57°
CROWN SOUTH PROPERTY
ESKAY CK
SNIP
JOHNNY MTN
E & L
TSKUT RIVER
UNUK RIVER
WEST ZONE
BOWSER LAKE
132°
BRITISH COLUMBIA
ALASKA
LEGEND
Upper Cretaceous and younger. Mainly basalt flows.
Jurassic / Cretaceous and younger Intrusives. Mainly Coast Plutonic complex.
Middle to Upper Jurassic clastic sediments. Bowser Lake group and Salmon River formation.
Triassic and Jurassic Intrusive rocks.
Upper Triassic to Middle Jurassic volcanics and sediments. Hazelton and Stuhini groups.
Permian and older sediments and volcanics and metamorphic equivalents
Mineral Deposit
SUMMIT LAKE
BIG MISSOURI
SILBAK-PREMIER
56°
STEWART
PROSPERITY-PORTER IDAHO
GEORGIA RIVER
DOLLY VARDEN
130°
ALICE ARM
0 20 40 km
Keewatin Engineering Inc.

Bedding attitudes are quite variable (137-150°/38-83°E). Local drag folding, associated with small scale shearing was observed. Local carbonate and ankerite alteration was noted in the sandstones.

3. Mineralization

No significant mineralization was found within the Crown South property.

Quartz fracture filling and local stockworks were observed within the sandstones. These consist mainly of bull quartz, but minor crystalline and gossanous fracture fillings were noted. Only a trace amount of pyrite was discovered.

GEOCHEMISTRY

1. Sampling

A total of 3 soil, 20 silt and 8 rock samples were collected during the 1990 field season (see Appendix 4). The soils were collected with the use of a long handled shovel and consist of talus fines and drift material. The silts were generally taken from the active portion of the sampled drainages. The rocks represent chip or grab samples of altered and/or veined outcrops or boulders.

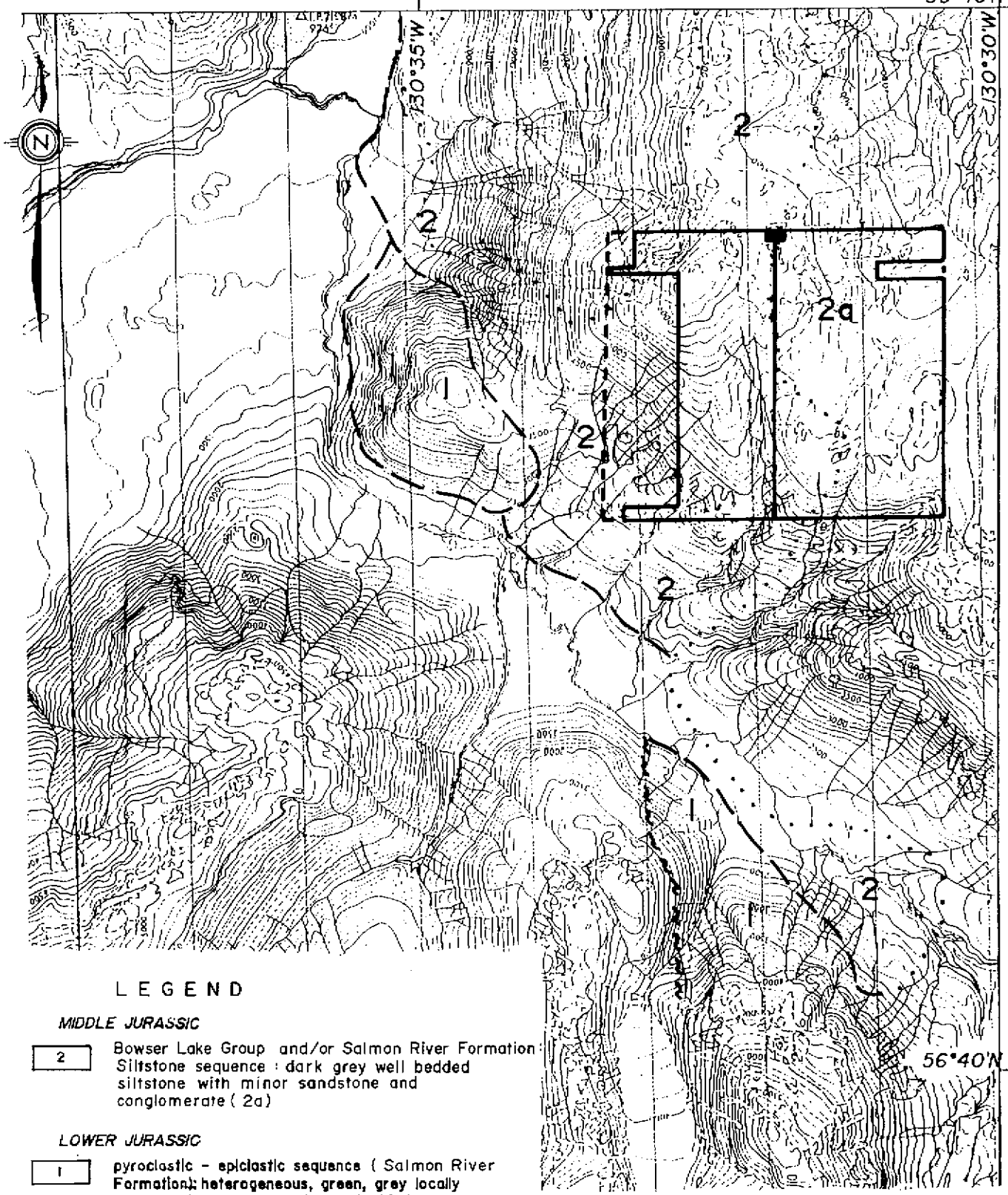
2. Analysis

All of the samples were shipped to Min-En Laboratories in Smithers for preparation and then to their lab in North Vancouver for analysis. This analysis consisted of fire assay preparation-atomic absorption finish gold and an eight element ICP package (Ag, As, Cu, Mo, Pb, Sb, Zn and Hg).

3. Description and Discussion of Results

All of the samples collected returned results at background levels.

Silt sample results range up to 8 ppb gold, 2.3 ppm silver, 67 ppm copper, 47 ppm lead, 284 ppm zinc, 54 ppm arsenic, 4 ppm antimony, 7 ppm molybdenum and 230 ppb mercury. The soil samples returned up to 11 ppb gold, 3.9 ppm silver, 66 ppm copper, 39 ppm lead, 136 ppm zinc, 13 ppm arsenic, 4 ppm antimony, 4 ppm molybdenum and 95 ppb mercury. The rock sample results



LEGEND

MIDDLE JURASSIC

2 — Bowser Lake Group and/or Salmon River Formation: Siltstone sequence : dark grey well bedded siltstone with minor sandstone and conglomerate (2a)

LOWER JURASSIC

1 — pyroclastic – epiclastic sequence (Salmon River Formation): heterogeneous, green, grey locally purple and maroon, massive to bedded pyroclastic and sedimentary rocks, pillow lava

(Geology after Read et al 1990 , Anderson and Thor Kelson 1990 and Alldrick et al 1989)

■ LEGAL CORNER POST (LCP)

PROPERTY GEOLOGY
CROWN SOUTH PROPERTY

NTS 104B/10E

0 1 km

1:50,000

Figure 4

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range up to 15 ppb gold, 1.3 ppm silver, 69 ppm copper, 47 ppm lead, 113 ppm zinc, 60 ppm asrenic, 5 ppm antimony, 5 ppm molybdenum and 245 ppb mercury.

CONCLUSIONS

It appears that the Crown South property is underlain by sediments of the Bowser Lake Group. Geochemical results combined with geological observations appear to indicate that this ground is not very prospective.

RECOMMENDATIONS

No further work is recommended on this property.

Respectfully submitted,

KEEWATIN ENGINEERING INC.

Rex Pegg, B.Sc., P.Eng.

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National Geochemical Reconnaissance, 1:250,000 Map Series (1988). Iskut River, British Columbia (NTS 104B). Energy, Mines and Petroleum Resources Canada, Geological Survey of Canada, GSC Open File 1645.

Pegg, R.S. (1989): Stewart-Sulphurets-Iskut Areas, Geological Compilation (private report).

Read, et al. (1990): G.S.C. Open File 2094; Geology, More and Forrest-Kerr Creeks (Parts of 104B/10, 15, and 16 and 104G/1 and 2), Northwestern British Columbia.

Vancouver Stockwatch.

APPENDIX 1

Statement of Qualifications

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 practised my profession continuously since graduation.

2) I have over 14 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.

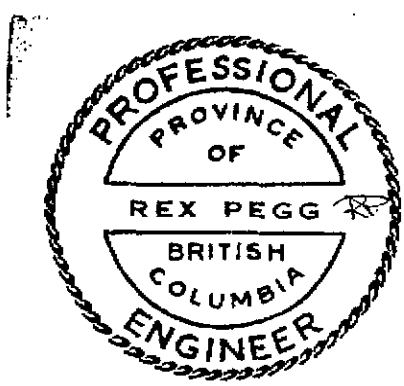
6) I am the author of the report entitled "Geological and Geochemical Report on the Crown South Property, Liard Mining Division, British Columbia", dated April 14, 1991.

7) I have personally supervised and/or performed the work referenced in this report and 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 Canadian Cariboo Resources Ltd., in respect of services rendered in the preparation of this report.

9) I consent to and authorize the use of the attached report and my name in the Company's Statement of Material Facts or other public document.

Dated at Vancouver, British Columbia this 14th day of April, 1991.



Respectfully submitted,

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

Keewatin Engineering Inc.

APPENDIX 2

Summary of Field Personnel

SUMMARY OF FIELD PERSONNEL

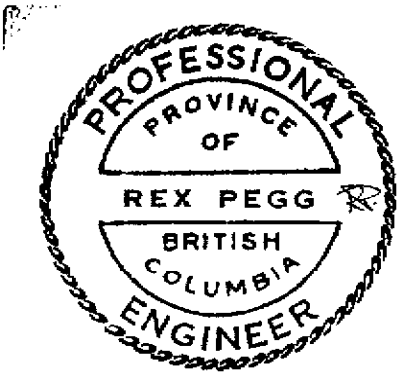
R. Pegg	-	Senior Geologist	September 26; October 8
R. Honsinger	-	Project Geologist	September 26; October 13
A. Dupras	-	Prospector	September 26
C. Davies	-	Assistant	October 13
D. Barker	-	Assistant	October 13
S. McTague	-	Assistant	September 26
S. Chandler	-	Cook/1st Aid Attendant	October 13

APPENDIX 3

Statement of Expenditures

STATEMENT OF EXPENDITURES

i)	**Labour**			
	R. Pegg	2.0 days @ $400/day	$ 800.00	
	R. Honsinger	2.0 days @ $335/day	670.00	
	A. Dupras	1.0 days @ $325/day	325.00	
	C. Davies	1.0 days @ $200/day	200.00	
	D. Barker	1.0 days @ $175/day	175.00	
	S. McTague	1.0 days @ $175/day	175.00	
	S. Chandler	1.0 days @ $260/day	260.00	
				$2,605.00
ii)	**Geochemical Analysis** (faa Au + 8 element ICP)			
	Soils	3 samples @ $11.30 ea.	$ 33.90	
	Silts	20 samples @ $11.30 ea.	226.00	
	Rocks	8 samples @ $13.75 ea.	110.00	
				369.90
iii)	**Helicopter** (Hughes 500D)	2.8 hours @ $705/hour		1,974.00
iv)	**Room & Board**	10.0 man days @ $60 (includes pilot)		600.00
v)	**Rentals** (binocular microscope, radios, rock saw, generator, field equipment, truck, ATV, copier, etc. - split)			273.19
vi)	**Consumables** (sample bags, tags, copies, paint, flagging, etc.)			223.52
vii)	**Fixed Wing Support** (split)			149.07
viii)	**Expediting** (split)			21.17
ix)	**Travel** (split)			6.77
x)	**Camp Costs** (fuel, etc. - split)			25.81
xi)	**Courier Charges** (split)			0.43
xii)	**Report** (writing, drafting, processing, copying)			1,751.14
	TOTAL EXPENDITURES:			**$8,000.00**



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APPENDIX 4

Geochemical Sample Descriptions

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 285A - Crown South

Area (Grid): NW Section of Property

Collectors: Andy Kuprasa

Results Plotted By:

Map: N.T.S.: 104 O/10 E

Date: Sept 26, 1990

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY				
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity						
90 AD 285A L-002	alpine No Vegetation "on divide" - Flowing West - Very Slow - Foot of Glacier - 5300' El. Colour Rusty Brown - See map.			✓				✓	2m	7cm	Slow						
90 AD 285A L-003	alpine No Vegetation "on Divide 5300' El. Very Slow - 150' meters N W of Sample 002 - See map Colour Brown to Dark Brown.			✓				✓	1m	5cm	Slow Moment						
90 AD 285A L-004	Steep alpine No Vegetation 5100 Feet El. Sample took on Island in west Bed Feeding Big Boulder Colour Grey. See Map.			✓				✓	2m	7cm	High						
90 AD 285A L-005	Steep alpine No Vegetation 5100 Feet El. Sample took on W. Bank - 5cm above water Level. Colour Good Rusty Brown.			✓			✓		2m	8cm	High						
90 AD 285A L-006	Steep alpine No Vegetation 5100' El Sample Took on E Bank. 8cm above Water Level. Colour Good and Rusty.			✓			✓		2m	9cm	High						

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Crown South (285a) Results Plotted By:

Area (Grid): Central Portion of Property Map: N.T.S.: 104 L/10 I

Collectors: Steve McTague / Rich Hunsinger Date: Sept. 26/90

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY				
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity						
90H 285a L-001	glacier runoff, alpine no vegetation ≈5500'F		30%	40%	30%			x	1m	5cm	Fast						
90H 285a L-002	glacier runoff, alpine no vegetation presence of faster speed by large boulder ≈5500'	40%	60%	10%				x	1m	5cm	Fast						
90H 285a L-006	Flat, glacier Flats (receded) Northwest of Gully ≈5500'F		40%	60%	10%			x	.5m	2cm	Fast						

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 285a Crown Sound — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: 104B/10E

Collectors: Dave Barker, Courtney Davies, Rick Honzinger — Date: Oct 12/90

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
90VV285a L-001	Just below small water fall. 3190 F elev	30%	40%	30%				✓	1m	15cm	mod		
90VV285a L-002	rock steep sample taken in slow pool. 3700 F elev.	30%	30%	40%				✓	3m	25cm	mod		
90VV285a L-003	water very calm where sample taken. 3450F elev.		30%	70%				✓	4m	15cm	mod		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 285a Crown South — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: 104G/10E

Collectors: R Honsinger, C Davies, D Barker — Date: Oct 13, 1990

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
90H285a L-003	40° SW SLOPE, 3400 F elev.	70%	20%	10%				✓	1m	20cm	F		
" " L-004	5° SW SLOPE, 3450F elev.	60%	20%	20%					0.5m	/	/		✓
" " L-005	10° S SLOPE, 4800F elev, poor silt, mainly gravel,	80%	10%	10%				✓	10m	30cm	F		
" " L-007	0° slope, 1950F, creek junction w Volcano Creek	40%	60%					✓	2.0m	10cm	M		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 1990 Crown South — Results Plotted By:

Area (Grid): — Map: — N.T.S.: 104 G/10 E

Collectors: C. Davies, K. Heisinger, W. Decker — Date: October 13, 1990

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY				
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity						
90CD55801	2900 F elev fragmented rock as well	30%		70%				✓	2m	1cm	F						
L-002	3480 F elev	15%		85%				✓	1m	5cm	M						
L-003	3500 F elev.		10%	90%				✓	4m	10cm	F						
L-004	2200 F elev.		65%	35%				✓	3m	10cm	F						
L-005	2000F elev near creek junction with VOLCANO CREEK			100%				✓	12m	3cm	S						

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Crown South (285a)

Area (Grid):

Collectors: Steve McTague / Rich Hunsinger

Results Plotted By:

Map: N.T.S.: 104B/10E

Date SEPT 26, 1990

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Base/Top of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
90H285a S-003	5400E	refer to map	Talus Fines, Benched below outcrop: Phyllite shelly siltstone, silt + sand Talus Fines		25° W										15cm			X		Lt Brn
90H285a S-004	5400E	refer to map	Talus Fines, Benched, silt and sand Talus, N.W. of Gully, Outcrop to E consists of interbedded siltstone + greywacke		0°										15cm			X		Lt Brn
90H285a S-005	5400E	refer to map	glacier moraine soil, Northwest of Gully S.W. of L-006		0°										25cm			X		BRN

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: CROWN SOUTH (285a)
Area (Grid):
Collectors: R Hossingen, S McTague

Results Plotted By:
Map: NTS: 104B/10E
Date: Sept 26/90 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90H285a C-001	5400 feet, refer to sample location map.			0.5m				Argillite SLT	Phyllitic, shaley fractured locally gossanous SLST, no visible sulphides	
90H285a R-002	5400 feet, refer to sample location map.		✓					QTZ VEIN	Select grab of vuggy massive white, limonitic qtz (30cm wide) hosted in conglomerate. No visible sulphides	
90H285a R-003	5400 feet, refer to sample location map		/				/	QTZ VEIN FLOAT	Vuggy limonitic qtz vein float. No visible sulphides	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: 285 A. Crown Grain [illegible]

Area (Grid): NW Section of Property

Collectors: [illegible]

Results Plotted By:

Map:

NTS: 104 G/7 E

Date: Sept. 30, 1990

Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R001 90AD285A R-001	Rock Cairn 5820 ft el., NW section of property		✓					QTZ.	Sample [illegible] ½"-1" wide [illegible] QTZ [illegible] QTZ [illegible] 104G/7E	[illegible]

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: CROWN SOUTH
Area (Grid):
Collectors: RPegg

Results Plotted By:
Map: NTS: 104B/10E
Date: Sept. 26, 1990 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90R285a	6220 ft. elev^n		✓					Qtz stringers in SST	up to 10% stockwork ; selected grab of the qtz ; minor carb f.f.	
R-001										
R-002	5950'-6000' elev^n		✓					"	selected grab of qtz stockwork	
R-003			✓					Bull qtz along fract. in SST	1-2m wide ; brown patches of siderite	
R-004	above the shrub line		✓					Qtz stockwork + fract. filling	tr Py (?) ; minor carb ff. and > minor siderite hosted by SST ; in area of fault/shear ?	

APPENDIX 5

Geochemical Results

COMP: KEEWATIN ENGINEERING
PROJ: 285A
ATTN: R. NICHOLS/R. PEGG

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 05-0711-SJ1
DATE: 90/10/27
* SILT * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90CD 285A L-001	1	.6	67	29	284	12	1	7	225
90CD 285A L-002	3	.6	64	18	205	37	3	3	180
90CD 285A L-003	1	.7	49	21	130	11	1	2	175
90CD 285A L-004	2	.7	45	19	109	29	1	2	145
90CD 285A L-005	1	.6	40	13	155	10	1	3	185
90VV 285A L-001	1	.5	51	27	204	1	2	5	195
90VV 285A L-002	2	.6	62	27	150	1	1	3	175
90VV 285A L-003	2	.4	64	18	211	19	1	2	200
90H 285A L-003	1	.8	50	25	182	2	1	2	155
90H 285A L-004	8	.7	56	30	187	34	4	3	170
90H 285A L-005	6	1.2	49	23	119	54	1	1	185
90H 285A L-007	3	.6	52	20	205	5	1	3	230

COMP: KEEWATIN ENGRG.
PROJ: 285A
ATTN: R.NICHOLS/R.PEGG

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0623-SJ2
DATE: 90/10/08
* SILT * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 AD 285A L-002	1	2.3	32	34	109	1	2	2	115
90 AD 285A L-003	1	1.6	42	40	112	25	1	1	135
90 AD 285A L-004	3	1.5	55	45	126	1	2	1	190
90 AD 285A L-005	1	1.8	46	33	117	1	4	3	155
90 AD 285A L-006	1	.6	51	34	132	29	4	4	145
90 H 285A L-001	3	.9	53	45	123	30	2	6	165
90 H 285A L-002	5	1.5	55	47	130	11	2	3	130
90 H 285A L-006	1	2.3	38	36	111	19	1	3	120

COMP: KEEWATIN ENGRG.
PROJ: 285A
ATTN: R.NICHOLS/R.PEGG

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0623-SJ3
DATE: 90/10/08
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 H 285A S-003	11	1.5	66	39	136	13	4	2	95
90 H 285A S-004	1	3.6	58	39	136	1	2	4	55
90 H 285A S-005	1	3.9	23	17	76	1	1	1	35

COMP: KEEWATIN ENGRG.
PROJ: 285A
ATTN: R.NICHOLS/R.PEGG

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0623-RJ1
DATE: 90/10/08
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 H 285AC001	3	.7	69	47	113	60	5	5	245
90 H 285AR002	1	1.3	5	29	26	36	2	1	55
90 H 285AR003	1	.2	18	29	28	15	2	2	195
90 AD 285AR001	15	.9	8	37	34	55	3	2	85
90 R 285A R 001	1	.4	24	20	33	38	2	1	75
90 R 285A R 002	3	.7	3	23	19	32	1	1	55
90 R 285A R 003	3	.2	4	21	27	34	1	2	60
90 R 285A R 004	7	1.1	5	21	24	32	1	2	100

56°45'N

130°30'W

CRW 5 | CRW 6

SLT +CONGL

SLT

CONGL, SST, SLT

SST & SLT

SLT

CONGL ± SST

SLT

SLT TALLUS

SST

SLT +SST

phyll SLT

interbedded SLT/GRY

phyll SLT

CONGL + SST interbedded

arg, phyll SLT locally gritty

SST/GRY

fract, band SLT

GRY interbed

phyll SLT

phyll SLT

SST/GRY

phyll SLT

ICE FIELD

arg phyll SLT locally x-bedded

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,249

0 200 400 600 800 1000 m

LEGEND

arg	argillite		outcrop
CONGL	conglomerate		
GRY	greywacke	Δ	float
Qtz	quartz	~~~	shear, fault
SLT	siltstone		
SST	sandstone	— — —	geological contact
		⊥	bedding
bnd	banded	⊥	foliation
fract	fractured		
phyll	phyllitic	⊥	joint
vnlts	veinlets		
x-bedded	cross bedded	+	anticline

Note : Claim boundaries taken from government claim map

3000 100 foot contour interval

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG

CANADIAN CARIBOO RESOURCES LTD.

CROWN SOUTH PROPERTY

GEOLOGY

DATE: Jan., 1991	NTS: 104B/10E
PROJECT: 285 a	PROJ. GEOL.:
SCALE: 1:10,000	
Keewatin Engineering Inc.	MAP No. 1

56°45'N

130°30'W

N

CRW 5 | CRW 6

90H285aL-004
90CD285aL-002
90H285aL-003
90CD285aL-005
90VV285aL-001
90CD285aL-001
90VV285aL-002
90CD285aL-003
90VV285aL-003
90H285aL-007
90CD285aL-004
90H285aL-005
90AD285aL-001
90AD285aL-002
90AD285aL-003
90AD285aL-004
90H285aL-006
90H285aL-008
90H285aL-002
90H285aL-001
90H285aC-001
90H285aE-001
90H285aE-002
90H285aE-003
90H285aE-004
90H285aS-003
90H285aS-004
90AD285aE-001
90H285aE-001
90H285aE-002
90H285aE-003

3500
3000
2500

LEGEND

- × Grab/Chip rock sample
- △ Float rock sample
- ⊙ Silt sample
- ○ Soil sample
- 4500 100 foot contour interval

Note Claim boundaries taken from government claim map.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
REX PEGG

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,249

0 200 400 600 800 1000 m

CANADIAN CARIBOO RESOURCES LTD.

CROWN SOUTH PROPERTY

GEOCHEMICAL SAMPLE LOCATIONS

DATE: Jan., 1991	NTS 104B/10E
PROJECT: 285 a	PROJ. GEOL.
SCALE: 1:10,000	

Keewatin Engineering Inc. MAP No. 2