GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

LA ROSE PROPERTY

KITSAULT RIVER AREA, BRITISH COLUMBIA

Skeena Mining Division
NTS 103P/11, 12
Latitude: 55° 35'N
Longitude: 129° 32'W

on behalf of

CANADIAN CARIBOO RESOURCES LTD.
Vancouver, B.C.

by

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SUMMARY

The La Rose property is situated in the Upper Kitsault River area, 57 kilometres southeast of Stewart in northwestern British Columbia. The area is located 3 kilometres north of deep water port facilities at Kitsault on Alice Arm. An unmaintained mine road extends from Alice Arm through the northeastern corner of the property.

The La Rose property was subjected to a reconnaissance rock, soil and stream silt geochemical survey and prospecting program in 1990. The program was severely hampered by poor weather conditions. The area is underlain by favourable Lower Jurassic Hazelton Group stratigraphy which displays potential for hosting base metals and gold mineralization.

A total of twenty significant geochemical anomalies were identified by prospecting and stream silt sampling. Silt sample 90284EEL88 returned 343 ppm Zn and silt 90284MML009 returned 284 ppm Zn. A number of silts from La Rose Creek returned anomalous gold values of up to 113 ppb Au (90284EEL92). Several soil samples which were taken along a contour below the BJ crown granted claims returned anomalous values including S3443 (178 ppb Au), S3445 (152 ppm As), S3449 (108 ppm As) and S3450 (195 ppm As). A float sample from La Rose Creek assayed 652 ppb Au and 1,591 ppm As (90284EEF165).

Geological mapping in 1990 resulted in significant changes being made to the regional geological picture. Recent government mapping by the Geological Survey of Canada identified the Upper Triassic Stuhini Group north of the property on the east side of the Kitsault River. The two recognized units of the Hazelton Group have been redefined, and the Hazelton Group-Salmon River/Bowser Lake Group contact has been significantly shifted westward in the White River area and eastward in the Lahte Creek area. Structural shortening in a northeast-southwest direction is also postulated to have taken place as a result of high angle faulting as well as folding.

The La Rose property area clearly warrants further work including prospecting and detailed contour soil/silt sampling in the geochemically highlighted areas.

INTRODUCTION

The 1990 La Rose property exploration program commenced September 28, 1990 and continued to October 4, 1990. Keewatin Engineering Inc. was commissioned by Canadian Cariboo Resources Ltd. to carry out the 1990 exploration program. The objective of this program was to evaluate the base and precious metal potential of the property.

The property is located 57 kilometres southeast of Stewart, B.C. within the Skeena Mining Division and comprises four mineral claims and five crown granted claims totalling 85 units.

The property covers approximately four kilometres of favourable geology that includes intermediate volcanics, volcaniclastics and sediments of the Lower Jurassic Hazelton Group.

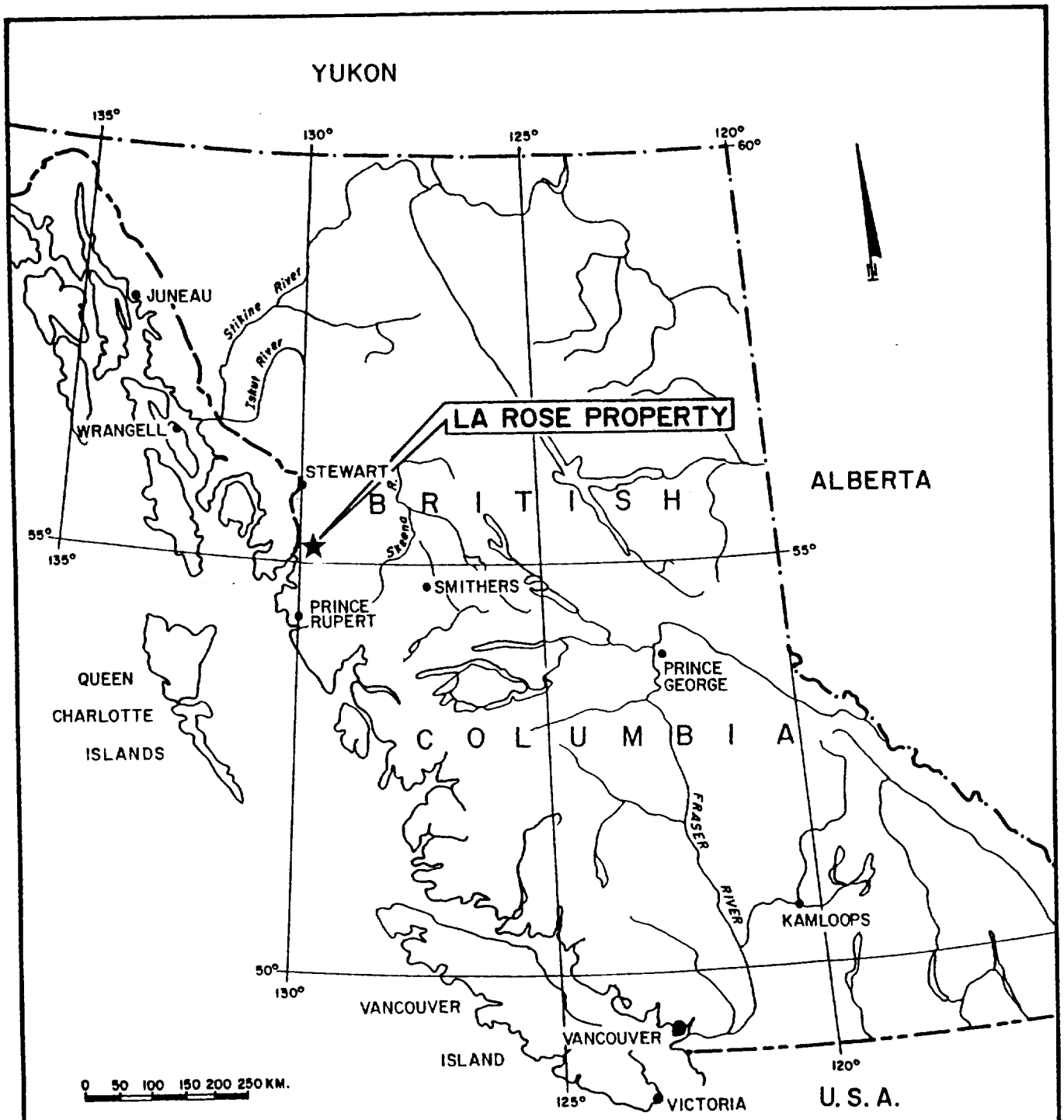
The 1990 work program comprised helicopter-supported prospecting and soil/silt/rock geochemistry.

Location and Access

The La Rose property is located in northwestern British Columbia, 57 air kilometres southeast of Stewart and 3 kilometres north of Alice Arm (Figure 1). The Kitsault River flows through the northeastern corner of the property. The claims are situated within N.T.S. map sheets 103P/12 and 103P/11 and are centred about 55°-35' North latitude and 129°-32' West longitude.

The historic Dolly Varden Mining Camp is located 15 kilometres further up the Kitsault River from the La Rose property and the Alice Arm Mining camp is located 3 kilometres south of the property.

Although access into the area is generally limited to helicopter, Stewart or Kitsault, on the south side of Alice Arm provide good intermediate staging areas that are accessible by road. Float planes could be accommodated at Alice Arm. The old Kitsault River Road from Alice Arm to Dolly Varden has been recently (1990) reconstructed and passes through the northeastern corner of the property. Helicopter bases are located in Stewart, Smithers, and on a seasonal basis, at a logging camp on Highway 37, just south of Meziadin Lake.



PROPERTY LOCATION MAP
LA ROSE PROPERTY

Figure 1

KEEWATIN ENGINEERING INC.

An exploration camp could be established on the property on the west bank of the Kitsault River on the Alice Arm - Dolly Varden access road. The 1990 exploration program was based out of Keewatin's camp at Kitsault Lake.

Physiography and Climate

The physiography of the Kitsault-Alice Arm area is characterized by rugged coastal topography (Figure 2). Elevations on the property range from 30 metres to 1,280 metres. Slopes range from steep to precipitous and are generally heavily wooded.

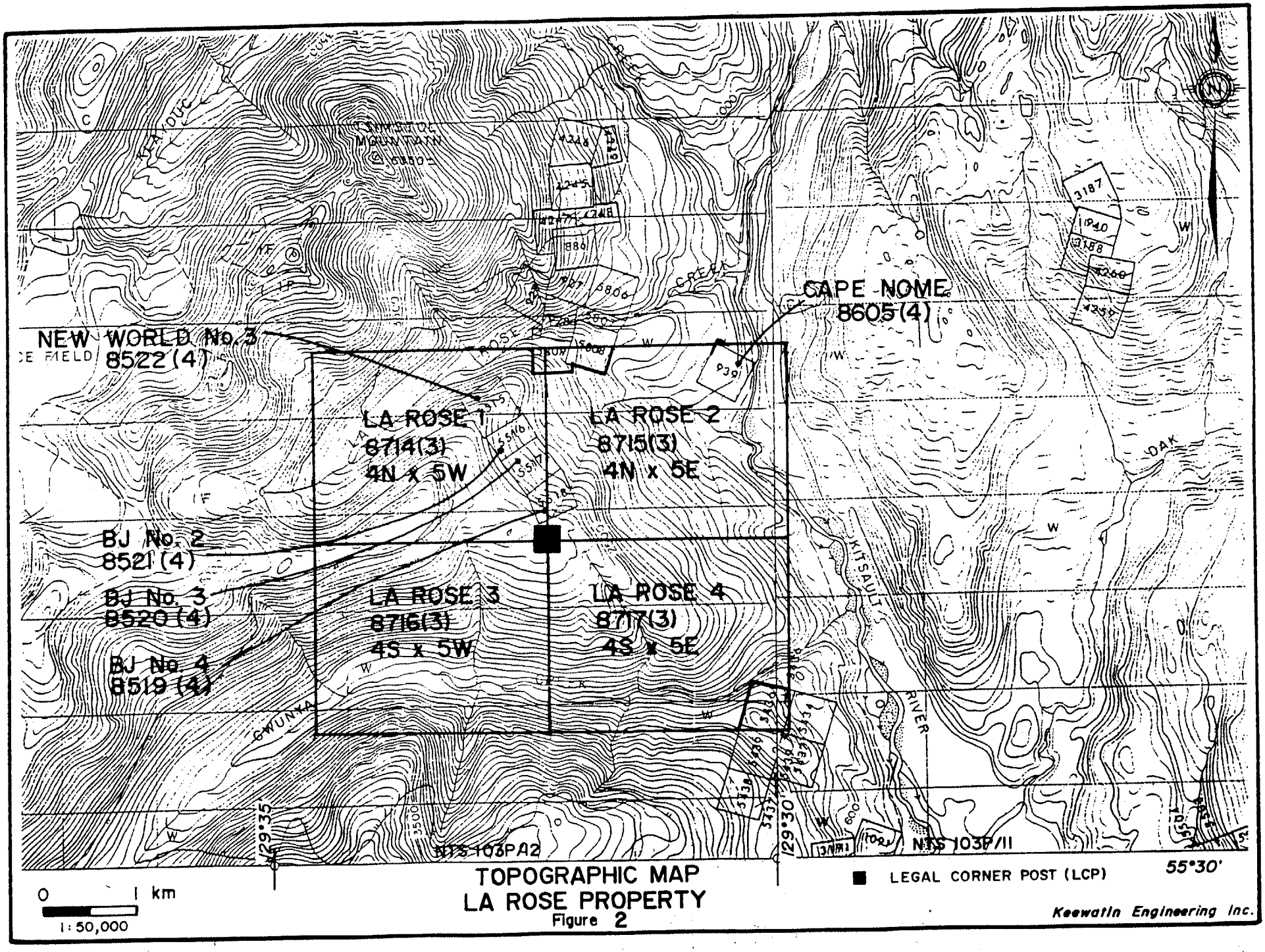
Vegetation within the property package varies greatly with elevation. The larger drainages and lower elevations are heavily wooded by spruce, fir and hemlock and not uncommonly snarled by alders, willows, blueberry bushes, huckleberry bushes and devil's club. Treeline ranges from 700 to 1,070 metres above which only sparse balsam fir can be found.

The climate is coastal with abundant rain from June to October, and extraordinary accumulations of snow throughout the winter that can total over 20 feet. Access into the area is often hampered by low cloud and foul weather.

Claims and Ownership

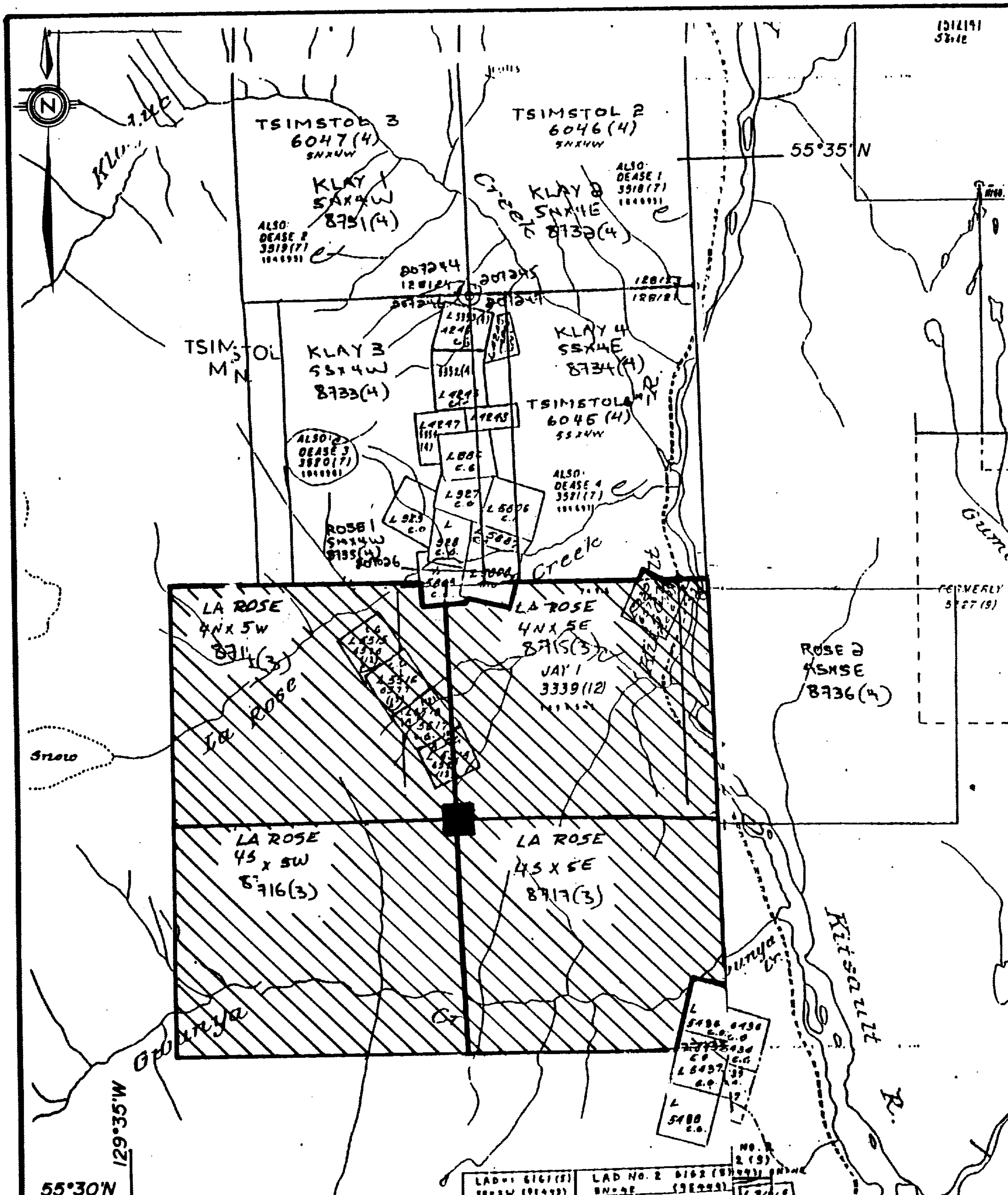
The La Rose property comprises four (4) mineral claims (80 units) and five crown granted two-post claims (5 units) located within the Skeena Mining Division (Figure 3). These claims are more fully described below.

Claim Name	No. of Units	Record No.	Record Date	Expiry Date	Owner	Lot No.
La Rose 1	20	8714	March 30, 1990	March 30, 1991	L. Barry	
La Rose 2	20	8715	March 30, 1990	March 30, 1991	L. Barry	
La Rose 3	20	8716	March 30, 1990	March 30, 1991	L. Barry	
La Rose 4	20	1917	March 30, 1990	March 30, 1991	L. Barry	



TOPOGRAPHIC MAP
LA ROSE PROPERTY
Figure 2

Keewatin Engineering Inc.



Note:
the La Rose property includes
the enclosed crown granted
twopost claims

NTS: 103P/12
103P/11

0 1 km
1:50,000

CLAIM MAP
LA ROSE PROPERTY

Figure 3

■ LEGAL CORNER POST (LCP)

Keewatin Engineering Inc.

Claim Name	No. of Units	Record No.	Record Date	Expiry Date	Owner	Lot No.
Crown Granted Claims						
Cape Nome	1	8605	March 22, 1990	March 22, 1991	L. Barry	939
New World #3	1	8522	March 22, 1990	March 22, 1991	L. Barry	5515
B.J. #2	1	8521	March 22, 1990	March 22, 1991	L. Barry	5516
B.J. #3	1	8520	March 22, 1990	March 22, 1991	K. Hicks	5517
B.J. #4	1	8519	March 22, 1990	March 22, 1991	L. Barry	5518
Total	**85 Units**					

It is to be noted that the crown granted two-post claims were bought by the owners at an auction held by the provincial government.

Although the property comprises four modified grid claims that enclose the crown granted two-post claims, the actual ground claimed is slightly reduced due to the overstaking of valid, pre-existing claims to the north (Figure 3).

The claims are, apparently, the subject of an agreement between the owners and Canadian Cariboo Resources Ltd. The LCP's for the La Rose 1-4 claims were located and are as shown on the map. Photographs of the LCP's are found in Appendix V.

History

The Kitsault area has been explored sporadically since the turn of the century when rich silver-bearing outcroppings were first discovered and the Dolly Varden silver camp was established along the banks of the Kitsault River (Figure 4).

The Dolly Varden, North Star and Torbit stratiform volcanogenic Ag-Pb-Zn deposits (Devlin, 1987) have long been the major focus of mining and exploration activity in the area. The Dolly Varden and North Star mines produced 1.3 million ounces of silver (40.4 million grams) from 1919 to 1921, and the Torbit produced 18.6 million ounces of silver (579.4 million grams) and 11.0 million pounds of lead (5.0 million kilograms) between 1949 and 1959 (Devlin, 1987). In more recent years, Dolly Varden Minerals Inc. has outlined significant additional proven, probable and possible reserves of 1.5 million tons (1.3 million tonnes) with 14.2 million ounces (441.6 million grams) contained silver

at the Dolly Varden, North Star, Torbit and Wolf deposits (Devlin, 1987). During 1990, Dolly Varden Minerals Inc. conducted a 23,250 foot (7,087 metre) drill program testing targets along the trace of the Dolly Varden mineral horizon. No economic grades of mineralization were obtained (Vancouver Stockwatch, August 10, 1990). Numerous minor silver vein occurrences also dot the Kitsault River Valley, including the Wolf deposit just north of the Torbit mine.

Gold exploration has been largely centred along the highly visible, rusty, gossanous "Copper Belt" that extends for 14 kilometres along the west bank of the upper reaches of the Kitsault River. The "Copper Belt" is host to abundant, but variably mineralized gold-silver veins and zones of disseminated copper. Prior to 1939, 36 ounces (1,120 grams) of gold was produced from 9 tons (8.2 tonnes) of, presumably, hand cobbed ore from the Homestake Ridge showings (Black, 1951). In 1989, Noranda Exploration Co. Ltd. completed a 10,000 foot drill program along the Homestake trend, testing both the high-grade gold vein potential and low-grade, bulk tonnage Cu-Au potential. Noranda conducted a limited geological mapping and geochemical sampling program in 1990, but have since dropped their option with the property holder (NDU Resources Ltd. of Vancouver, B.C.). Dolly Varden Minerals Inc. also conducted a large drill program at Red Point and the Red Point Extension in 1989. In spite of samples assaying up to 0.452 oz/ton Au over 6.4 feet (15.50 g/t over 1.95 metres), Dolly Varden was apparently discouraged by the sporadic and generally uneconomic results. During 1989, two new discoveries were made by Bond International Gold in Hazelton Group rocks 50 kilometres to the north of the La Rose property area. The Red Mountain discovery at the headwaters of Bitter Creek consists of two zones; the Marc and Brad, which intersect each other on surface. The best drill intersection yielded 216 feet of 0.28 oz/ton Au and 1.4 oz/ton Ag (66 m of 9.88 g/tonne Au and 49.29 g/tonne Ag). A second discovery at the headwaters of Willoughby Creek; 6 kilometres to the east across the Cambria Icefield produced a drill intersection of 67 feet grading 0.73 oz/ton Au and 5.3 oz/ton Ag (20.5 m of 24.98 g/tonne Au and 184.21 g/tonne Ag) (Northern Miner, October 9, 1989). No new information about these new discoveries has been released in 1990.

Molybdenum mineralization associated with Eocene intrusives in the area led to extensive exploration efforts beginning in 1965. The Lime Creek deposit, 5 kilometres east of Alice Arm, was mined by Kennco Explorations (Canada) Ltd. and B.C. Moly Corp. between 1967 and 1972. Amax of Canada Ltd. milled 4.5 million tons (4.1 million tonnes) of the 10.2 million tons (9.3 million tonnes) of stockpiled ore to produce 23.2 million pounds (10.5 million kilograms) of molybdenum during 1981 and 1982 (B.C. Minfile 103P-120). The mine, mill and Kitsault townsite are now closed indefinitely. The Ajax deposit located on Mount McGuire just northeast of the La Rose property has a drill

defined reserve of 1,162.0 million tons (1143.7 million tonnes) grading 0.09% molybdenum (Dawson and Alldrick, 1986), making it the largest undeveloped reserve of molybdenum in the province.

The Anyox stratiform massive sulphide Cu-Ag-Au deposits, located at the head of Observatory Inlet 45 kilometres to the southwest of the property, produced 24.7 million tons (22.4 million tonnes) that averaged 1.5% Cu, 0.27 oz/ton Ag (9.25 g/tonne), 0.05 oz/ton Au (1.7 g/tonne), and less than 0.5% combined Pb and Zn. Selenium was also produced as a by-product (Grove, 1986). The mine and smelter complex was operated by Grandby from 1914 to 1935. Reserves, calculated by Cominco, the present owners, are 49 million tons (44.4 million tonnes) of 0.65% Cu.

A copper-gold quartz stockwork system on the southeast shore of Kinskuch Lake, currently staked as the Big Bulk, was drilled between 1955 and 1982. Intersections include 16.2 metres of 1.22% Cu. Surface chip samples contained assays of up to 0.715 percent copper, 1.75 grams per tonne gold and 0.34 grams per tonne silver over 13 metres (Minfile #103P-016).

The entire belt of Jurassic rocks in the area has been the subject of numerous regional reconnaissance geochemical surveys including those by Newmont (1967), Cominco (1985), and Oliver Gold (1989, 1990). The entire area was covered by a regional geochemical survey which was completed by the Geological Survey of Canada in 1978.

Mineralized showings located on the La Rose property were discovered in the early 1900's. The assessment records and Minfile indicate that work done has been of limited extent and includes some pits and trenches. A 1.2 metre chip sample taken across the Silverwing showing assayed 1,264 grams per tonne silver equivalent (Minfile 103P 167).

GEOLOGY

Regional Geology

The La Rose project area, within the Stikinia terrain, is underlain by Lower to Middle Jurassic volcanic rocks of the Hazelton Group at the western margin of the Intermontane Tectono-stratigraphic Belt (Figure 4). The Hazelton Belt is bounded to the west by the plutonic rocks of the Early Eocene Coast Mountain Complex, and to the east by the thick Middle to Upper Jurassic Bowser Basin sedimentary package.

HOMESTAKE (Au)

RED POINT (Au)

NORTHSTAR MINE (Ag,Pb)

TORBRIT MINE (Ag, Pb)

DOLLY VARDEN MINE (Ag,Pb)

BIG BULK (Cu)

AJAX (Mo)

ILLIANCE (Ag)

LA ROSE PROPERTY

KINSKUCH LAKE

N

LEGEND

INTRUSIVE ROCKS

TERTIARY
EOCENE AND YOUNGER

10 DYKES: (a) diorite, microdiorite; (b) lamprophyre; (c) diorite, sill phase; (d) quartz feldspar porphyry

EARLY TO MIDDLE EOCENE

9 ALICE ARM INTRUSIONS: (a) quartz monzonite; (b) biotite quartz monzonite porphyry; (c) sericite quartz monzonite porphyry.

8 COAST RANGE BATHOLITH: (a) quartz monzonite; (b) granodiorite.

VOLCANIC AND SEDIMENTARY ROCKS

QUATERNARY
PLEISTOCENE

7 MAFIC VOLCANICS: olivine basalt flows

JURASSIC
MIDDLE TO UPPER JURASSIC

6 UPPER SEDIMENTARY UNIT: (a) basal fossiliferous wacke; (b) siltstone, shale, and minor sandstone; (c) conformational conglomerate; (d) limestone

LOWER TO MIDDLE JURASSIC

5 EPICLASTIC AND FELSIC VOLCANIC UNIT: (a) maroon and green volcanic conglomerate, breccia, and minor sandstone, (b) black siltstone, argillite, wacke, and limestone; (c) greenish grey diorite pyroclastic rocks and feldspar porphyritic flows; (d) megacrystic feldspar porphyry.

4 INTERMEDIATE VOLCANIC UNIT: (a) green and maroon andesite pyroclastic rocks; (b) feldspar ± hornblende andesite porphyry; (c) black siltstone; (d) maroon siltstone, sandstone, and conglomerate; (e) limestone and fossiliferous limestone; (f) chert; (g) subphyllic carbonate andesite/dacite flow breccia; (h) augite-feldspar porphyry.

3 MIDDLE SEDIMENTARY UNIT: (a) black siltstone; (b) limestone and fossiliferous limestone; (c) green and purple volcanic breccia with minor siltstone, sandstone, and conglomerate; (d) interbedded siltstone, limestone, wacke, and polymictic pebble conglomerate.

2 MAFIC VOLCANIC UNIT: (a) olivine porphyry basalt flows; (b) augite porphyry basalt flows and pillowed flows; (c) basaltic pyroclastic rocks; (d) basaltic conglomerate; (e) black siltstone, sandstone, wacke, and limestone.

1 LOWER SEDIMENTARY UNIT: (a) black siltstone, argillite, shale; (b) buff wacke, sandstone, limestone

SYMBOLS

- Geologic contact
- Fault
- Anticline
- Syncline

NOTE: From Alldrick et. al, openfile map 1986/2 (modified from Greig 1990).

0 1 2 3 4 Km.

CANADIAN CARIBOO RESOURCES LTD.

LA ROSE PROPERTY

REGIONAL GEOLOGY

DATE: Jan. 1991	NTS: 103 P/11,12,13,14
PROJECT:	PROJ. GEOL.: T. Tucker
SCALE: 1 : 100,000	
Keewatin Engineering Inc.	MAP No. 4

The supracrustal rocks of the Kitsault River area accumulated during repeated periods of largely marine, clastic and volcanic deposition on both a regional and local scale. The area was originally considered by Black (1951) and Alldrick and Dawson (1986) to be underlain by Lower Jurassic Hazelton Group rocks that can be subdivided on a regional scale into a lower siltstone dominated sedimentary unit (Unit 1), a lower basaltic volcanic and lesser sedimentary unit (Unit 2), a middle sedimentary unit (Unit 3), an upper intermediate volcanic unit with repeated limy clastic horizons throughout (Unit 4), and an upper epiclastic and felsic volcanic unit, which thins or is locally absent within the lithological sequence (Unit 5). Well exposed in structural depressions around the margins of the area are predominantly fine black marine clastics (Unit 6) which may represent the rocks at the base of the Bowser Basin as indicated by the abundance of Middle to Upper Jurassic marine fossils. Contacts between Units 1 to 5 are broadly conformable, while the base of Unit 6 appears disconformable as represented by accumulations of Unit 5 derived conglomerates above the contact. Work by Grove (1970) identified Unit 6, as it is shown north of Kitsault Lake, as the Salmon River Formation of the Hazelton Group.

The area is currently being mapped by Greig (1990) in partial fulfilment of a Ph.D. thesis sponsored by the G.S.C. The work completed by Greig in 1990, east and northeast of Kinskuch Lake, contradicts much of Alldrick's (1986) map and stratigraphic section. Based upon limited fossil identifications and stratigraphic correlations, Greig (1990) has mapped Alldrick's Units 1, 2 and 3 as members of the Upper Triassic Stuhini Group, and has positively identified thin bedded pyritic to laminated siliceous siltstones at the base of the Bowser Lake Group (Unit 6) as the Salmon River Formation.

Within Unit 4, a regional scale northwest-southeast trend of quartz-carbonate-sericite-chlorite-pyrite alteration known as the "Copper Belt" extends 11 kilometres along the western bank of the Kitsault River and is associated with andesitic pyroclastics and flows or shallow sills.

The structural setting in the area is not fully understood. Alldrick (1986) worked with a fairly simple concept of broad, regionally folded, repeated sequences extending in parallel northwest-southeast trends. Greig (1990) could not find evidence of the same degree of shortening that is exhibited in the younger Bowser Lake Group rocks as is displayed in the underlying rocks of Hazelton or Stuhini Groups. Greig (1990) states the following:

"Shortening evident in the Bowser Lake Group is not expressed in the Salmon River Formation, which forms a northeast dipping homoclinal sequence beneath the Bowser Lake Group. Shortening must therefore have taken place within structurally lower rocks of the Hazelton and Stuhini Groups, or along a detachment between the Bowser Lake Group and the Salmon River Formation. The former alternative is preferred, but given the massive nature of Stuhini and Hazelton Group volcanic rocks, it is probable that shortening was accommodated primarily by faults rather than by folds."

Faults are generally high angle and normal in movement. At least two fault sets are present, and many exhibit multiple episodes of activity (Campbell, 1959). Regional metamorphism is sub-greenschist facies in grade.

Regional Economic Geology

Mineral deposits in the area can be subdivided into four main types: stratiform Ag-Pb/Zn-Pb-Ag massive sulphide; structurally controlled Ag-Pb veins; alkaline porphyry associated Cu-Au; and quartz monzonite porphyry associated Mo.

Stratiform Massive Sulphides: Deposits of the Dolly Varden Ag-Pb camp are the most economically significant in the Kitsault area known to date. They were earlier interpreted by Campbell (1959) to be mesothermal to epithermal veins controlled by fold generated fault structures. Recent work in the area by Devlin (1987) concludes that the deposits originated as a single stratiform volcanogenic massive sulphide horizon that have since undergone faulting and are locally remobilized as replacements or vein deposits. Stratigraphically conformable volcanogenic-sedex sulphide-sulphate mineralization associated with calcareous mudstones also occurs at the Kit occurrence which is considered to host substantial reserves of strontium sulphate.

Veins: The Wolf deposit and numerous other Ag-Pb prospects in the Kitsault, Dak River and Illiance River valleys exhibit structurally controlled, discontinuous and cross-cutting replacement and vein type mineralization. Other prospects include the Ace-Galena, Frog and Illiance River silver veins.

Alkaline Porphyry Copper-Gold: The Kitsault River area also hosts disseminated copper-gold mineralization within Unit 4 in association with the Copper Belt alteration zone. Mineralization consists of disseminated and stringer vein controlled pyrite and chalcopyrite with associated sporadic gold and minor galena and sphalerite. The Homestake and Red Point prospects are typical of this type of mineralization, although no deposits of economic significance have been reported. At Kinskuch

Lake, porphyritic andesite flows and tuffs, and minor dykes or sills of hornblende diorite host disseminated Cu-Au mineralization.

Quartz Monzonite Porphyry Molybdenum: Bulk tonnage, low grade molybdenum mineralization exists in association with the Eocene Ajax and Alice Arm quartz monzonite stocks within both Units 1 and 6 to the south of the area.

To the south of the La Rose property is the old Esperanza Mine (Minfile #103P-126) that produced 4,524 tonnes of ore that averaged 1.77 grams per tonne gold, 984 grams per tonne silver and trace copper and lead between 1911 and 1948. To the north of the property the La Rose workings (Minfile 103P-170) produced a hand picked shipment of 72 tonnes that averaged 6.47 grams per tonne gold, 6,900 grams per tonne silver and 7 percent combined lead and zinc. Several other showings along these trends may extend into the La Rose property area.

Property Geology

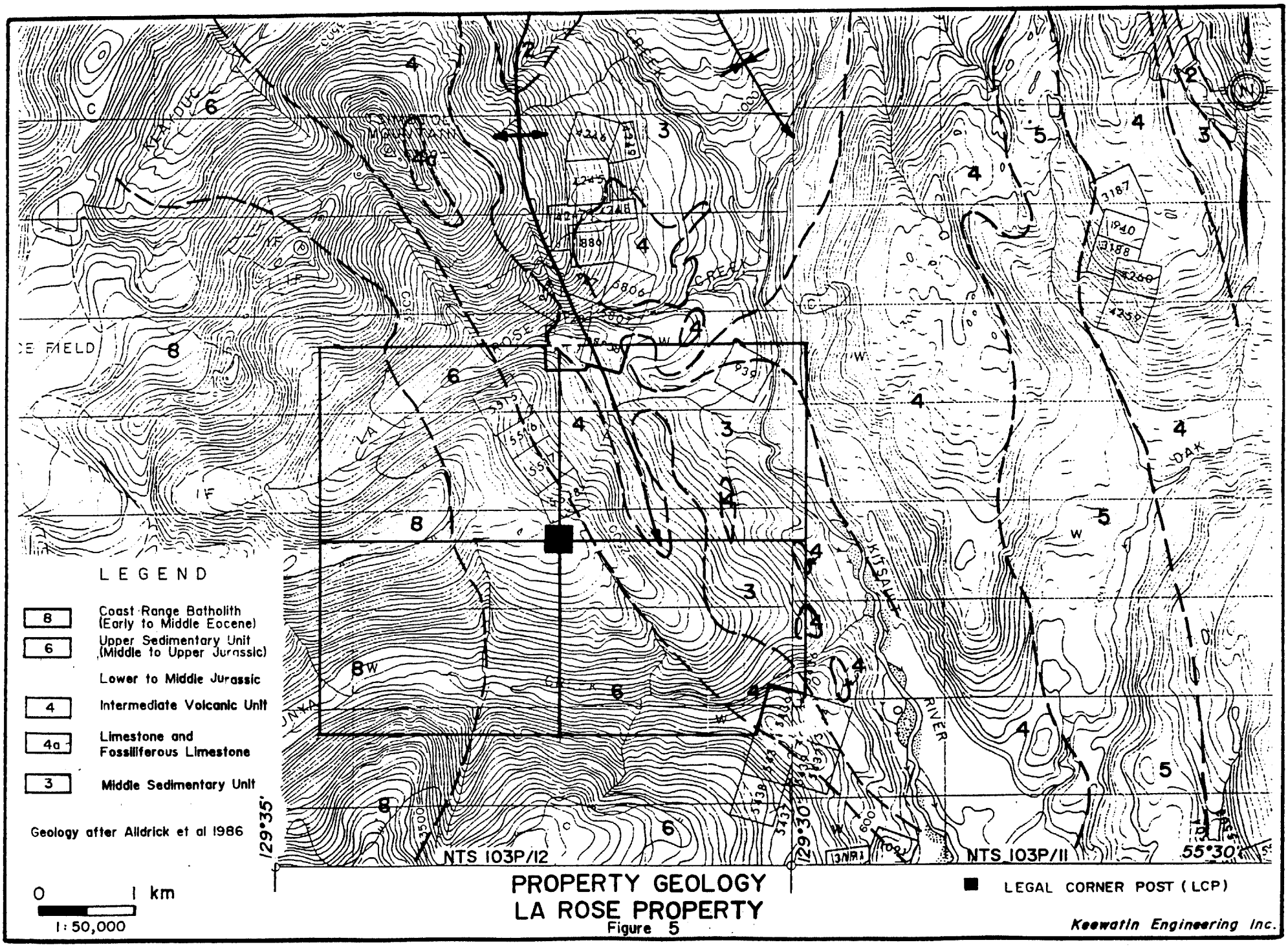
The La Rose property is underlain by Lower to Middle Jurassic sedimentary and volcanic rocks of the Hazelton Group and a portion of the Early to Middle Eocene Coast Range Batholith. The property geology is presented on Figure 5. A brief description of the lithologies follows:

Upper Triassic - Stuhini Group

Unit 1 - Lower Sedimentary Unit: This unit is composed of thin bedded silty argillite, fine grained sandstone and rare rusty weathering siliceous siltstone and lenses of tan to medium grey silty limestone up to 40 cm thick (Greig, 1990).

Unit 2 - Mafic Volcanics: This unit consists of resistant, dark green volcanic and subordinate volcaniclastic rocks that are characterized by their mafic composition and the presence of pyroxene (Greig, 1990).

Unit 3 - Middle Sedimentary Unit: This unit comprises rusty weathering, coarse grained, commonly calcareous arkosic wacke, dark grey, moderately siliceous siltstone and calcareous sedimentary breccia (Greig, 1990).



PROPERTY GEOLOGY
LA ROSE PROPERTY

Figure 5

Keewatin Engineering Inc.

Lower to Middle Jurassic - Hazelton Group

Unit 4 - Intermediate Volcanic Unit: This unit is composed of a thick sequence of pale green and mauve weathering, green and maroon massive andesitic lapilli tuff breccia (Greig, 1990).

Unit 5 - Epiclastic and Felsic Volcanic Unit: This unit consists of volcanic rocks with a dacitic-andesite or rhyodacitic composition. The volcanics are interlayered with a wide variety of sedimentary rocks ranging from calcareous mudstones to brown weathering limestones (Greig, 1990).

Unit 6 - Upper Sedimentary Unit: This assemblage is composed of a thin bedded and fine grained lower package of black pyritic siliceous siltstones and an upper package of massive, thick bedded, medium grained turbiditic arkose (Greig, 1990).

Early to Middle Eocene

Unit 8 - Coast Range Batholith: Unit 8 underlies the western quarter of the La Rose property. These large intrusive bodies consist of quartz monzonite and granodiorite (Alldrick et al. 1968).

Alteration

Although not mapped on the La Rose property, a wide band of biotite hornfels alteration has been mapped in Jurassic sedimentary and volcanic rocks adjacent to the Coast Range Batholith 10 km south of the property. This alteration and the "Copper Belt" type alteration may be present on the La Rose property.

Property Economic Geology

In the immediate area of the La Rose property a series of crown granted mineral claims cover several north-south and northwest trending shear zones (Figure 6). These zones are mineralized with copper, silver, lead, zinc and minor gold.

The Cape Nome crown grant was explored in 1918 and 1919 for precious metals (Minfile 103P-168). This crown grant was not prospected during the 1990 field season. Good gold values are reported from quartz veins in pyritized black siltstone. A zinc showing to the west is also reported. The Silverwing showing (Minfile #103P-167, Figure 5) consists of quartz stringers in a breccia zone

traced along Jones Creek for 23 metres. The quartz stringers contain minor galena, sphalerite chalcopyrite and pyrite. The Copper Crest showing (Minfile 103P-041, Figure 6) consists of red stained sedimentary and volcanic rocks that contain pyrite, chalcopyrite, sphalerite and galena with high silver values up to 2198 grams per tonne (grab sample ?).

Several pits and trenches were found during the 1990 program on the La Rose property along a mineralized zone with approximately 100 metres strike length. The description of the Silverwing showing is similar to that of the discovered showing which consists of a series of parallel quartz veins in a black siltstone. Samples taken in 1990 from the trenches returned up to 3,964 ppm Zn, 5.4 ppm Ag (90284MMR005) and a grab sample from a dump assayed 6.1 ppm Ag, 278 ppm Cu (90284EEF160).

1990 EXPLORATION PROGRAM

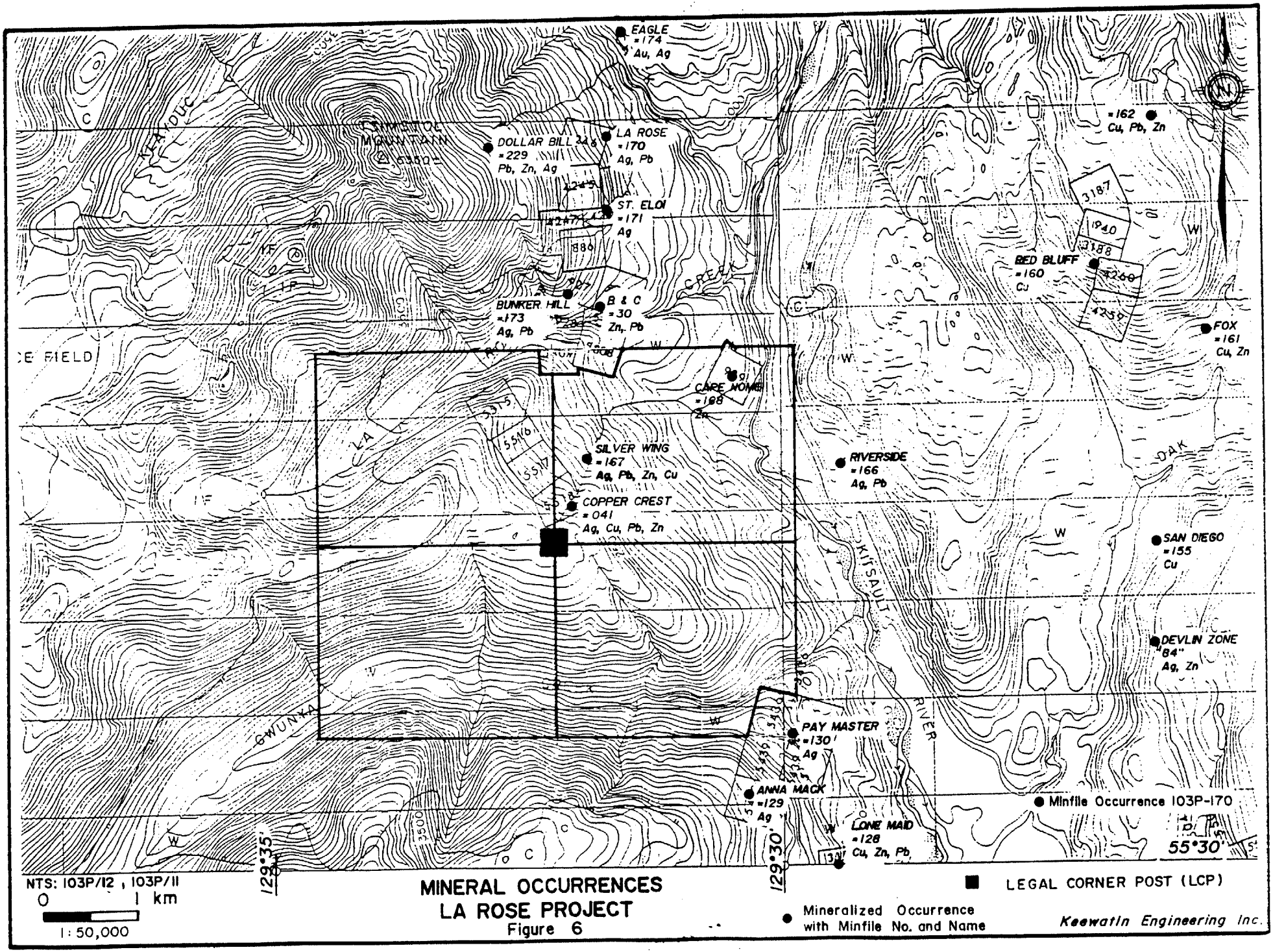
Field work on the La Rose property was carried out between September 28, 1990 and October 4, 1990. This work consisted of helicopter supported reconnaissance prospecting and contour soil/stream sediment geochemical surveys.

Approximately 7 kilometres of line traverse was completed on the property during the 1990 field season. A majority of the major drainages have been silt sampled. The Silverwing showing was found and several samples were taken.

Geochemical Surveys

The objective of the 1990 program was to conduct a reconnaissance stream silt and prospecting evaluation of the Hazelton Group rocks on the La Rose claims. The work was intended to evaluate both the gold and base metal potential of the area. The primary exploration tool was silt sampling as the area displayed a well developed drainage system. Soils were taken as an aid to prospecting on gossanous patches of soil below mineralized outcrops, and a soil contour line was completed below the BJ crown grants. Many of the rock samples are grab samples.

A total of 15 rock samples, 35 soil samples and 34 silt samples were taken during the 1990 field season (Figures 7-13). Geochemical results for these samples including rock sample descriptions are compiled in Appendix III. Sampling procedures are described in Appendix II. Stream silt, soil and rock data sheets are in Appendix IV.



MINERAL OCCURRENCES
LA ROSE PROJECT
Figure 6

■ LEGAL CORNER POST (LCP)

● Mineralized Occurrence with Minfile No. and Name

Keewatin Engineering Inc.

Samples were sent to Bondar-Clegg and Company Ltd. in North Vancouver, B.C. for geochemical analysis. All of the samples were analyzed for Au, Ag, Cu, Pb, Zn, As, Mn and Ba. The analytical techniques are described in Appendix II.

The area had been previously silt sampled by the B.C. Geological Survey in 1978 (GSC, 1978). Twelve silt samples were collected from this area of the La Rose property. Using threshold values from the Ministry's report, drainages from the La Rose property showed elevated values in copper and molybdenum and anomalous values in silver, lead, zinc and arsenic. The samples were not analyzed for gold.

The terrain is rugged and foot traversing can be difficult. Major streams are juvenile and deeply incised. Only a small portion of the property is above treeline with the remainder being very heavily wooded. Outcrop is extremely sparse on the lower slopes of the La Rose 2 and 4 claims making prospecting very difficult.

A number of significant anomalies were selected on the basis of elevated values in one or more elements and type. Anomalous threshold values were taken from Tupper et al. (1990). Significant anomalies are described below:

Silts taken along La Rose Creek returned a number of significant anomalies including 90284EEL91 (89 ppb Au), 90284EEL92 (113 ppb Au), 90284EEL100 (32 ppb Au) and 90284EEL104 (39 ppb Au). Significant values were received from a large, one metre by one metre float boulder found in the creek 90284EEF165 (652 ppb Au, 1,591 ppm As).

Prospecting on the BJ crown grants led to one of the Minfile listed mineralized showings being located. Grab samples from the showings returned anomalous values, including 90284MMR005 (5.4 ppm Ag, 3,964 ppm Zn), 90284EEF160 (6.1 ppm Ag, 278 ppm Cu, 41 ppb Au) and 90284EEC158 (7 ppm Ag, 47 ppb Au). A soil taken 10 metres from the showing returned 115 ppb Au (90284MMS003).

A soil contour and two cross lines were completed below and across the BJ crown grants respectively. Several significant anomalies were delineated including S3443 (178 ppb Au), S3445 (152 ppm As), S3446 (2.1 ppm Ag), S3449 (108 pm As), S3450 (195 ppm As) and 90284SSS23 (127 ppm As). Three silts taken from creeks draining the crown grants were also anomalous, 90284 MML009 (284 ppm Zn), 90284MML010 (24 ppb Au) and 90284MML011 (136 ppm As, 266 ppm Zn).

CONCLUSIONS

The La Rose claims are underlain by rocks of the Lower to Middle Jurassic Hazelton Group and a portion of the Early to Middle Eocene Coast Range Batholith. The claims are located in the vicinity of the historic Dolly Varden Camp.

During September and October, a program of helicopter-supported reconnaissance prospecting and geochemical sampling was carried out on the La Rose property. A total of 34 silt samples, 35 soil samples and 15 rock samples were collected on the La Rose property. The results from the 1990 field work have outlined several significant areas which have multi-element anomalies. Twenty rock, silt and soil sample anomalies on the La Rose property require further follow-up. This work would include detailed contour soil sampling, silt sampling and prospecting.

Respectfully submitted,

KEEWATIN ENGINEERING INC.

Terry L. Tucker, B.Sc.

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STATEMENT OF QUALIFICATIONS

I, TERRY L. TUCKER, of 640 Crystal Court, in the City of North Vancouver, in the Province of British Columbia, do hereby certify that:

1) I am a graduate of the University of Alberta, Edmonton, Alberta (1989) with a Bachelor of Science degree (specialization in Geology).

2) That I have been a practising geologist in Canada, Australia and Papua New Guinea since 1987.

3) I was under contract to Keewatin Engineering Inc. of 800 - 900 West Hastings Street, Vancouver, B.C. for the duration of time I worked on this project.

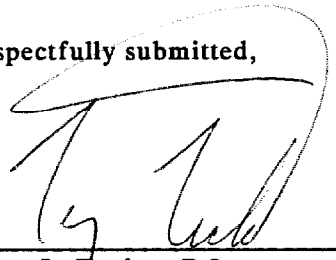
4) I personally participated in the 1990 field program from September 23, 1990 to October 4, 1990, on the La Rose property as described in this report.

5) I am the author of the report entitled "Geological and Geochemical Report on the La Rose Property, Kitsault River Area, British Columbia, Skeena Mining Division", dated January 11, 1991.

6) 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.

Dated at Vancouver, British Columbia this 11th day of January, 1991.

Respectfully submitted,



Terry L. Tucker, B.Sc.

APPENDIX I

Statement of Costs

STATEMENT OF COSTS

Labour	$ 4,155.00
Camp and Equipment Rentals	525.00
Radios	65.00
Mobilization/Demobilization	397.98
Helicopter	2,368.94
Supplies/Generator	156.55
Maps, Drafting Supplies	85.00
Sample Analysis	867.45
TOTAL:	**$8,620.92**

APPENDIX II

Sampling and Geochemical Procedures

SAMPLING AND GEOCHEMICAL PROCEDURES

Rock, soil and stream silt samples were collected on the claims. All samples were shipped via Greyhound or Canadian Airlines International to Bondar-Clegg and Company Ltd., 130 Pemberton Avenue, North Vancouver, B.C. for sample preparation and analysis.

Rock samples were of four types. Float samples were taken of rocks not in place in outcrop. Grab samples were comprised of single samples of mineralization from outcrop. Chip samples were continuous evenly collected samples across a specified width, generally across mineralization. Samples were collected in plastic sample bags and given individual coded numbers. All rock samples were dried (if necessary), crushed and riffled to pulp size, then pulverized to approximately minus -140 mesh at the Bondar-Clegg lab.

Stream silt samples were collected in all drainages encountered that had adequate silt/sand deposits. Often, streams were too short or juvenile in nature and sample material was difficult to collect. Samples were collected by hand in kraft paper sample bags.

Soil samples were collected at 100 metre spacings along elevation contours and on a random, prospected basis. B-horizon soil was collected where available in kraft paper sample bags. Gossanous soils in scree and talus slopes were often sampled. Samples were collected by mattock or by hand.

Both soil and silt samples were dried, and then sieved to -150 mesh through nylon screens.

All samples were then digested in hot aqua regia and analyzed by Induced Coupled Plasma (I.C.P.) for the following elements: Ag, Pb, Zn, Cu and As, plus three of Sb, Cd, Mn, Sr, Mo, Hg. Samples were also checked for gold (30 grams) by fire assay preconcentration followed by aqua regia digestion, and then analyzed by atomic absorption.

APPENDIX III

1990 La Rose Claims Geochemical Assay Compilation

1990 LA ROSE GEOCHEMICAL ASSAY COMPILATION

The following abbreviations were used in rock descriptions:

ss	=	sandstone
slt	=	siltstone
An	=	andesite
Fe	=	iron alteration
calc	=	calcareous
carb	=	carbonate
qtz	=	quartz
Si	=	siliceous
ser	=	sericite
ba	=	barite
chl	=	chlorite
ank	=	ankerite
gn	=	galena
sp	=	sphalerite
mal	=	malachite
cpy	=	chalcopyrite
az	=	azurite
py	=	pyrite
po	=	pyrrhotite
sulp	=	sulphide
Sed	=	sediment
brec	=	brecciated
grn	=	green
f	=	fine
gr	=	grain
tr	=	trace
v	=	very
vn	=	vein
sh	=	shear
cong	=	conglomerate
volc	=	volcanic

KEEWATIN ENGINEERING INC.

LAROSE PROPERTY = L
COMPILATION OF ROCK, SOIL, SILT, DRILLCORE GEOCHEM/ASSAY RESULTS
ANALYSES BY BONDAR-CLEGG, VANCOUVER
TLT, NOVEMBER 1990

SAMPLE TYPE
F - FLOAT
C - CHIP
R - GRAB
L - SILT
S - SOIL

SAMPLER
EE - TERRY TUCKER
SS - STEVE CREELMAN
Z - DAVE TUPPER
MM - MIKE RENNING
- CLINTON FREDRICKSON

SAMPLE NO.	AREA	DESCRIPTION	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mn (%)	Ba (ppm)
90 284 EE C-158	L	1.0m 2%py in seds	47	7	136	8	197	106	-5	0.03	12
90 284 EE C-159	L	0.5m cont with above	8	2.4	66	17	175	93	-5	0.11	76
90 284 EE F-160	L	dump, qtz/py 20% po	41	6.1	278	13	71	250	9	-0.01	-5
90 284 EE R-161	L	Fe alt sed	-5	0.8	49	11	167	9	-5	0.04	46
90 284 EE R-162	L	as above	8	3.7	401	-2	11	-5	-5	-0.01	16
90 284 EE R-163	L	gn py in Fe alt sed	-5	0.6	25	7	28	6	-5	0.04	113
90 284 EE F-165	L	qtz py gn vn in sed	652	5.9	37	11	43	1591	63	-0.01	9
90 284 MM R-003	L	sediment	-5	0.5	34	6	125	23	-5	0.14	299
90 284 MM R-004	L	sediment	-5	0.5	30	6	125	19	-5	0.13	492
90 284 MM R-005	L	py sp in qtz vn	10	5.4	272	6	3964	39	-5	0.04	-5
90 284 MM R-006	L	qtz py vn	102	1.7	11	73	152	2000	-5	0.05	44
90 284 MM R-007	L	4m wide qtz vn	-5	-0.2	7	4	21	21	5	0.02	52
90 284 MM F-008	L	angular py sed float	-5	1.1	34	5	39	18	-5	0.22	89
90 284 MM R-009	L	An with tr py	-5	0.8	141	4	42	15	-5	0.17	147
90 284 SS F-11	L	Si An with tr py	-5	0.7	49	9	66	26	-5	0.09	105
90 284 S3413	L		-5	0.7	27	10	120	27	-5	0.1	138
90 284 S3414	L		9	1.3	15	11	59	19	-5	0.07	80
90 284 S3415	L		-5	1.1	19	11	47	17	-5	0.03	56
90 284 S3416	L		52	2	23	13	84	25	-5	0.02	54
90 284 S3417	L		-5	1.2	18	9	53	7	-5	0.08	58
90 284 S3440	L		-5	0.6	4	9	97	13	-5	0.04	70
90 284 S3441	L		-5	0.7	5	7	125	6	-5	0.02	80
90 284 S3442	L		-5	0.5	13	9	29	12	-5	0.03	33
90 284 S3443	L		178	1.2	18	18	58	84	-5	0.02	51
90 284 S3444	L		-5	0.6	12	16	41	67	-5	0.03	48
90 284 S3445	L		-5	1.3	9	39	47	152	-5	0.02	38
90 284 S3446	L		-5	2.1	18	11	159	74	-5	0.16	96
90 284 S3447	L		-5	0.6	12	20	66	57	-5	0.05	56
90 284 S3448	L		-5	0.5	18	12	65	31	-5	0.05	65
90 284 S3449	L		-5	1.5	15	11	64	108	-5	0.03	41
90 284 S3450	L		-5	0.6	13	11	48	195	-5	0.03	69
90 284 S3451	L		-5	0.4	15	11	61	32	-5	0.05	45
90 284 MM S-003	L		115	0.9	17	13	85	31	-5	0.1	52
90 284 MM S-004	L		-5	0.9	20	9	84	37	-5	0.38	92
90 284 SS S-10	L		-5	0.4	4	17	34	-5	-5	0.02	204
90 284 SS S-11	L		-5	0.4	8	14	22	22	-5	-0.01	34
90 284 SS S-12	L		-5	0.5	23	13	54	93	-5	0.03	134
90 284 SS S-13	L		-5	0.2	4	9	13	-5	-5	-0.01	16
90 284 SS S-14	L		-5	0.7	13	6	36	-5	-5	-0.01	27
90 284 SS S-15	L		-5	0.2	11	5	31	-5	-5	-0.01	66
90 284 SS S-16	L		-5	0.5	6	10	18	-5	-5	-0.01	27
90 284 SS S-17	L		-5	0.4	4	17	13	-5	-5	0.02	21

KEEWATIN ENGINEERING INC.

LAROSE PROPERTY = L
COMPILATION OF ROCK, SOIL, SILT, DRILLCORE GEOCHEM/ASSAY RESULTS
ANALYSES BY BONDAR-CLEGG, VANCOUVER
TLT, NOVEMBER 1990

SAMPLE TYPE
F - FLOAT
C - CHIP
R - GRAB
L - SILT
S - SOIL

SAMPLER
EE - TERRY TUCKER
SS - STEVE CREELMAN
Z - DAVE TUPPER
MM - MIKE RENNING
- CLINTON FREDRICKSON

SAMPLE NO.	AREA	DESCRIPTION	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mn (%)	Ba (ppm)
90 284 SS S-18	L		-5	-0.2	6	16	22	7	-5	0.01	51
90 284 SS S-19	L		-5	0.7	12	11	48	11	-5	0.02	76
90 284 SS S-20	L		-5	0.6	16	10	51	10	-5	0.03	130
90 284 SS S-21	L		-5	0.6	20	18	62	10	-5	0.05	106
90 284 SS S-22	L		-5	0.4	7	6	49	-5	-5	0.01	85
90 284 SS S-23	L		10	1.6	45	32	149	127	-5	0.81	146
90 284 SS S-24	L		-5	1.1	11	11	162	31	-5	0.57	157
90 284 SS S-25	L		-5	0.8	41	9	153	21	-5	0.2	111
90 284 EE L-88	L		-5	1.9	89	28	343	63	-5	0.89	276
90 284 EE L-89	L		28	-0.2	12	6	42	-5	-5	0.03	94
90 284 EE L-90	L		-5	0.4	11	5	41	12	-5	0.03	86
90 284 EE L-91	L		89	-0.2	9	6	36	8	-5	0.03	83
90 284 EE L-92	L		113	0.6	40	13	93	31	-5	0.08	326
90 284 EE L-93	L		-5	0.4	11	6	43	10	-5	0.03	94
90 284 EE L-94	L		-5	0.5	9	5	35	7	-5	0.02	63
90 284 EE L-95	L		-5	0.4	9	5	38	-5	-5	0.02	58
90 284 EE L-96	L		33	0.5	25	7	53	18	-5	0.04	160
90 284 EE L-97	L		-5	0.2	13	5	51	8	-5	0.03	107
90 284 EE L-98	L		-5	0.3	9	6	55	10	-5	0.04	154
90 284 EE L-99	L		-5	0.2	10	3	37	-5	-5	0.03	100
90 284 EE L-100	L		32	0.5	15	9	66	48	-5	0.05	142
90 284 EE L-101	L		-5	0.4	11	5	40	10	-5	0.03	105
90 284 EE L-102	L		-5	0.5	18	8	94	36	-5	0.1	171
90 284 EE L-103	L		-5	0.3	8	9	32	6	-5	0.03	66
90 284 EE L-104	L		39	0.2	9	5	39	15	-5	0.03	82
90 284 MM L-005	L		-5	1.1	-1	16	238	-5	9	2.24	484
90 284 MM L-006	L		-5	0.5	39	31	90	31	-5	0.03	138
90 284 MM L-007	L		6	0.6	55	41	176	120	-5	0.08	131
90 284 MM L-008	L		-5	0.6	21	14	113	17	-5	0.07	170
90 284 MM L-009	L		-5	0.5	53	21	284	38	-5	0.17	187
90 284 MM L-010	L		24	0.6	48	30	115	19	-5	0.34	137
90 284 MM L-011	L		-5	0.6	58	36	266	136	-5	0.17	181
90 284 SS L-38	L		-5	0.4	14	7	80	11	-5	0.05	114
90 284 SS L-39	L		-5	0.4	12	5	46	-5	-5	0.03	79
90 284 SS L-40	L		-5	0.4	13	2	47	13	-5	0.03	68
90 284 SS L-41	L		-5	0.6	12	9	113	18	-5	0.17	178
90 284 SS L-42	L		-5	-0.2	12	7	54	6	-5	0.04	94
90 284 SS L-43	L		23	0.6	13	6	61	16	-5	0.04	104
90 284 SS L-44	L		-5	0.7	39	7	142	19	-5	0.08	177
90 284 SS L-45	L		-5	0.3	19	7	69	15	-5	0.05	128
90 284 SS L-46	L		-5	0.5	21	9	76	16	-5	0.06	157
90 284 SS L-47	L		-5	0.5	26	8	89	17	-5	0.08	182

ndar-Clegg & Company Ltd.
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North Vancouver, B.C.
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)4) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V90-02438.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #16

CLIENT: KEEWATIN ENGINEERING INC.
PROJECT: 284

SUBMITTED BY: DICK
DATE PRINTED: 24-OCT-90

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 30g	Gold 30 grams	210	5 PPB	Fire-Assay	Fire Assay AA
2	Ag	Silver	211	0.2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
3	Cu	Copper	211	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
4	Pb	Lead	211	2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
5	Zn	Zinc	211	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
6	As	Arsenic	211	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
7	Sb	Antimony	211	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
8	Mn	Manganese	211	0.01 PCT	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
9	Ba	Barium	211	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma

SAMPLE TYPES		NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S	SOILS	41	1 -80	211	DRY, SIEVE -80	211
T	STREAM SEDIMENT,SILT	170				

REMARKS: "IS" DENOTES INSUFFICIENT SAMPLE.

REPORT COPIES TO: MR. RON NICHOLS
MR. TERRY TUCKER

INVOICE TO: MR. RON NICHOLS
MR. TERRY TUCKER

Bondar-Clegg & Company Ltd.
0 Pemberton Ave.
orth Vancouver, B.C.
V7P 2R5
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BONDAR-CLEGG

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PROJECT: 284 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mn PCT	Ba PPM
S1 90 284 EE S-4		<5	0.9	68	11	87	21	<5	0.20	92
S1 90 284 EE S-5		<5	0.6	59	5	114	8	<5	0.23	497
S1 90 284 EE S-6		<5	0.9	72	13	105	36	<5	0.28	220
S1 90 284 EE S-7		<5	0.8	92	12	106	20	<5	0.20	223
S1 90 284 EE S-8		7	1.0	106	7	103	32	<5	0.26	280
S1 90 284 EE S-9		<5	0.9	89	8	105	20	<5	0.20	180
S1 90 284 EE S-10		<5	0.8	109	18	109	17	<5	0.19	109
S1 90 284 EE S-11		258	1.0	85	3	99	>2000	13	0.09	70
S1 90 284 EE S-12		<5	1.1	98	16	171	38	<5	0.21	212
S1 90 284 EE S-13		<5	1.2	85	17	124	36	<5	0.29	141
S1 90 284 EE S-14		21	0.8	144	14	112	23	<5	0.09	558
S1 90 284 EE S-15		<5	0.6	98	13	96	18	<5	0.14	246
S1 90 284 EE S-16		<5	0.8	80	8	103	22	6	0.16	550
S1 90 284 EE S-17		<5	0.6	80	14	86	16	<5	0.06	98
S1 90 284 EE S-18		<5	0.5	44	18	105	22	<5	0.13	158
S1 90 284 EE S-19		<5	0.7	62	21	129	25	<5	0.19	132
S1 90 284 EE S-20		<5	0.7	50	18	120	25	<5	0.18	196
S1 90 284 EE S-21		<5	0.8	47	10	30	50	<5	0.02	47
S1 90 284 MM S-003		115	0.9	17	13	85	31	<5	0.10	52
S1 90 284 MM S-004		<5	0.9	20	9	84	37	<5	0.38	92
S1 90 284 SS S-1		6	0.9	116	19	106	31	<5	0.19	203
S1 90 284 SS S-2		<5	0.7	72	19	132	29	<5	0.20	114
S1 90 284 SS S-3		11	1.4	126	85	172	99	<5	0.30	590
S1 90 284 SS S-4		<5	0.8	51	18	113	40	<5	0.15	286
S1 90 284 SS S-5		93	1.2	144	31	125	35	9	0.17	602
S1 90 284 SS S-10		<5	0.4	4	17	34	<5	<5	0.02	204
S1 90 284 SS S-11		<5	0.4	8	14	22	22	<5	<0.01	34
S1 90 284 SS S-12		<5	0.5	23	13	54	93	<5	0.03	134
S1 90 284 SS S-13		<5	0.2	4	9	13	<5	<5	<0.01	16
S1 90 284 SS S-14		<5	0.7	13	6	36	<5	<5	<0.01	27
S1 90 284 SS S-15		<5	0.2	11	5	31	<5	<5	<0.01	66
S1 90 284 SS S-16		<5	0.5	6	10	18	<5	<5	<0.01	27
S1 90 284 SS S-17		<5	0.4	4	17	13	<5	<5	0.02	21
S1 90 284 SS S-18		<5	<0.2	6	16	22	7	<5	0.01	51
S1 90 284 SS S-19		<5	0.7	12	11	48	11	<5	0.02	76
S1 90 284 SS S-20		<5	0.6	16	10	51	10	<5	0.03	130
S1 90 284 SS S-21		<5	0.6	20	18	62	10	<5	0.05	106
S1 90 284 SS S-22		<5	0.4	7	6	49	<5	<5	0.01	85
S1 90 284 SS S-23		10	1.6	45	32	149	127	<5	0.81	146
S1 90 284 SS S-24		<5	1.1	11	11	162	31	<5	0.57	157

Bondar-Clegg & Company Ltd.
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BONDAR-CLEGG

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Geochemical Lab Report

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DATE PRINTED: 24-OCT-90

PROJECT: 284 PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mn PCT	Ba PPM
S1 90 284 SS S-25		<5	0.8	41	9	153	21	<5	0.20	111
T1 90 284 EE L-59		<5	0.8	83	10	89	21	<5	0.13	257
T1 90 284 EE L-60		<5	0.8	80	9	102	25	<5	0.08	230
T1 90 284 EE L-61		<5	0.8	76	13	130	23	<5	0.16	190
T1 90 284 EE L-62		22	0.8	75	13	123	36	<5	0.16	201
T1 90 284 EE L-63		27	0.8	100	23	140	30	<5	0.21	157
T1 90 284 EE L-64		10	0.8	81	21	122	21	<5	0.13	138
T1 90 284 EE L-65		6	0.8	92	18	138	25	<5	0.12	303
T1 90 284 EE L-66		<5	0.8	94	15	134	28	<5	0.12	281
T1 90 284 EE L-67		<5	0.8	86	14	123	23	<5	0.09	248
T1 90 284 EE L-68		<5	0.7	70	15	134	28	<5	0.15	654
T1 90 284 EE L-69		<5	0.7	70	22	130	45	<5	0.17	427
T1 90 284 EE L-70		<5	0.6	76	8	71	13	<5	0.10	232
T1 90 284 EE L-71		<5	0.6	95	6	72	12	<5	0.11	304
T1 90 284 EE L-72		<5	0.5	62	21	98	51	<5	0.14	270
T1 90 284 EE L-73		<5	0.5	17	8	44	12	<5	0.09	74
T1 90 284 EE L-74		<5	0.7	76	21	191	30	<5	0.20	204
T1 90 284 EE L-75		<5	0.7	55	4	108	9	<5	0.16	488
T1 90 284 EE L-76		<5	0.7	59	4	98	18	<5	0.21	377
T1 90 284 EE L-77		<5	0.7	53	9	166	21	<5	0.25	178
T1 90 284 EE L-78		<5	0.6	75	6	95	15	<5	0.17	238
T1 90 284 EE L-79		<5	0.8	68	15	114	30	<5	0.13	314
T1 90 284 EE L-80		<5	0.6	35	23	147	19	<5	0.20	573
T1 90 284 EE L-81		<5	0.6	34	18	112	14	<5	0.18	286
T1 90 284 EE L-82		<5	0.6	40	18	104	20	<5	0.15	314
T1 90 284 EE L-83		<5	0.5	27	24	118	9	<5	0.25	171
T1 90 284 EE L-84		10	0.6	35	21	146	37	<5	0.19	356
T1 90 284 EE L-85		<5	0.6	42	43	169	29	<5	0.21	364
T1 90 284 EE L-86		<5	0.7	74	33	134	84	<5	0.21	388
T1 90 284 EE L-87		<5	0.5	52	23	117	54	<5	0.17	255
T1 90 284 EE L-88		<5	1.9	89	28	343	63	<5	0.89	276
T1 90 284 EE L-89		28	<0.2	12	6	42	<5	<5	0.03	94
T1 90 284 EE L-90		<5	0.4	11	5	41	12	<5	0.03	86
T1 90 284 EE L-91		89	<0.2	9	6	36	8	<5	0.03	83
T1 90 284 EE L-92		113	0.6	40	13	93	31	<5	0.08	326
T1 90 284 EE L-93		<5	0.4	11	6	43	10	<5	0.03	94
T1 90 284 EE L-94		<5	0.5	9	5	35	7	<5	0.02	63
T1 90 284 EE L-95		<5	0.4	9	5	38	<5	<5	0.02	58
T1 90 284 EE L-96		33	0.5	25	7	53	18	<5	0.04	160
T1 90 284 EE L-97		<5	0.2	13	5	51	8	<5	0.03	107

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V90-02438.0

DATE PRINTED: 24-OCT-90

PROJECT: 284

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mn PCT	Ba PPM
T1 90 284 EE L-98		<5	0.3	9	6	55	10	<5	0.04	154
T1 90 284 EE L-99		<5	0.2	10	3	37	<5	<5	0.03	100
T1 90 284 EE L-100		32	0.5	15	9	66	48	<5	0.05	142
T1 90 284 EE L-101		<5	0.4	11	5	40	10	<5	0.03	105
T1 90 284 EE L-102		<5	0.5	18	8	94	36	<5	0.10	171
T1 90 284 EE L-103		<5	0.3	8	9	32	6	<5	0.03	66
T1 90 284 EE L-104		39	0.2	9	5	39	15	<5	0.03	82
T1 90 284 EE L-105		<5	1.0	107	21	145	57	<5	0.27	267
T1 90 284 EE L-106		<5	1.8	76	11	147	91	<5	0.72	379
T1 90 284 EE L-107		<5	1.9	69	9	188	105	<5	1.04	577
T1 90 284 EE L-108		<5	1.7	128	13	209	146	6	0.93	446
T1 90 284 EE L-109		<5	1.2	164	9	167	73	<5	0.52	321
T1 90 284 EE L-110		<5	1.2	108	13	159	39	<5	0.41	555
T1 90 284 EE L-111		6	0.9	104	12	143	26	<5	0.47	616
T1 90 284 EE L-112		<5	0.8	83	11	121	32	<5	0.22	430
T1 90 284 MM L-001		<5	1.5	53	42	129	26	<5	0.13	358
T1 90 284 MM L-002		<5	1.1	77	19	180	37	<5	0.39	949
T1 90 284 MM L-005		<5	1.1	<1	16	238	<5	9	2.24	484
T1 90 284 MM L-006		<5	0.5	39	31	90	31	<5	0.03	138
T1 90 284 MM L-007		6	0.6	55	41	176	120	<5	0.08	131
T1 90 284 MM L-008		<5	0.6	21	14	113	17	<5	0.07	170
T1 90 284 MM L-009		<5	0.5	53	21	284	38	<5	0.17	187
T1 90 284 MM L-010		24	0.6	48	30	115	19	<5	0.34	137
T1 90 284 MM L-011		<5	0.6	58	36	266	136	<5	0.17	181
T1 90 284 MM L-012		<5	1.0	110	18	144	22	<5	0.17	650
T1 90 284 MM L-013		<5	1.0	164	16	145	22	<5	0.18	271
T1 90 284 MM L-014		<5	0.6	79	12	93	35	<5	0.08	122
T1 90 284 MM L-015		<5	0.7	132	36	105	37	<5	0.12	92
T1 90 284 MM L-017		<5	0.7	111	21	148	37	<5	0.17	168
T1 90 284 MM L-018		<5	0.9	160	17	144	38	<5	0.18	194
T1 90 284 MM L-019		<5	0.8	94	23	144	60	8	0.20	465
T1 90 284 MM L-020		<5	1.3	106	15	176	38	<5	0.47	850
T1 90 284 MM L-021		<5	1.2	105	10	165	34	<5	0.52	712
T1 90 284 MM L-022		<5	0.9	104	12	102	53	<5	0.18	424
T1 90 284 SS L-1		9	0.9	107	17	183	41	<5	0.18	750
T1 90 284 SS L-2		6	0.8	83	17	177	38	<5	0.19	301
T1 90 284 SS L-3		15	1.0	103	22	166	64	<5	0.21	343
T1 90 284 SS L-4		11	0.8	104	13	163	23	<5	0.11	254
T1 90 284 SS L-5		16	0.9	113	17	175	39	7	0.13	309
T1 90 284 SS L-6		<5	1.0	117	15	147	54	11	0.12	644

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mn PCT	Ba PPM
T1 90 284 SS L-7		<5	1.0	98	16	118	87	18	0.12	350
T1 90 284 SS L-8		<5	0.9	107	23	147	41	<5	0.18	142
T1 90 284 SS L-9		<5	0.8	82	22	159	23	<5	0.16	172
T1 90 284 SS L-10		<5	0.9	105	10	165	27	<5	0.15	190
T1 90 284 SS L-11		6	1.0	104	12	140	75	<5	0.17	196
T1 90 284 SS L-12		12	0.9	96	15	157	25	<5	0.15	238
T1 90 284 SS L-13		<5	1.0	108	18	141	26	<5	0.13	331
T1 90 284 SS L-14		<5	0.8	103	14	145	23	<5	0.11	305
T1 90 284 SS L-15		12	0.7	76	15	127	22	<5	0.17	117
T1 90 284 SS L-16		66	0.8	83	16	142	38	<5	0.20	486
T1 90 284 SS L-17		IS	0.5	122	8	57	33	<5	0.18	561
T1 90 284 SS L-18		<5	0.8	73	29	109	23	<5	0.21	1735
T1 90 284 SS L-19		<5	0.7	48	14	100	16	<5	0.12	302
T1 90 284 SS L-20		<5	0.5	47	19	95	12	<5	0.14	374
T1 90 284 SS L-21		<5	0.9	64	17	115	43	<5	0.19	410
T1 90 284 SS L-22		<5	0.8	63	13	94	28	<5	0.11	215
T1 90 284 SS L-23		<5	1.0	92	41	273	63	<5	0.32	581
T1 90 284 SS L-24		<5	0.6	46	11	96	15	<5	0.13	215
T1 90 284 SS L-25		<5	0.7	41	11	88	13	<5	0.11	183
T1 90 284 SS L-26		<5	0.7	67	14	84	25	<5	0.12	207
T1 90 284 SS L-27		<5	1.0	101	14	165	25	<5	0.10	133
T1 90 284 SS L-28		<5	0.8	90	11	107	30	<5	0.11	114
T1 90 284 SS L-29		<5	1.1	129	16	131	33	<5	0.16	154
T1 90 284 SS L-30		<5	1.0	80	21	121	45	<5	0.09	116
T1 90 284 SS L-31		38	0.9	76	16	115	52	<5	0.10	115
T1 90 284 SS L-32		<5	0.8	63	10	97	24	<5	0.09	132
T1 90 284 SS L-33		<5	0.8	84	11	140	19	<5	0.10	230
T1 90 284 SS L-34		<5	1.1	123	12	168	30	<5	0.11	203
T1 90 284 SS L-35		27	1.4	120	19	201	30	<5	0.14	262
T1 90 284 SS L-36		28	1.9	134	26	236	51	11	0.11	250
T1 90 284 SS L-37		21	0.8	70	17	164	43	<5	0.11	119
T1 90 284 SS L-38		<5	0.4	14	7	80	11	<5	0.05	114
T1 90 284 SS L-39		<5	0.4	12	5	46	<5	<5	0.03	79
T1 90 284 SS L-40		<5	0.4	13	2	47	13	<5	0.03	68
T1 90 284 SS L-41		<5	0.6	12	9	113	18	<5	0.17	178
T1 90 284 SS L-42		<5	<0.2	12	7	54	6	<5	0.04	94
T1 90 284 SS L-43		23	0.6	13	6	61	16	<5	0.04	104
T1 90 284 SS L-44		<5	0.7	39	7	142	19	<5	0.08	177
T1 90 284 SS L-45		<5	0.3	19	7	69	15	<5	0.05	128
T1 90 284 SS L-46		<5	0.5	21	9	76	16	<5	0.06	157

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mn PCT	Ba PPM
T1 90 284 SS L-47		<5	0.5	26	8	89	17	<5	0.08	182
T1 284 3402		<5	0.7	97	10	85	27	<5	0.14	427
T1 284 3403		<5	0.6	87	13	88	32	<5	0.13	360
T1 284 3404		<5	0.7	82	12	83	33	<5	0.11	407
T1 284 3405		<5	0.7	93	12	79	23	<5	0.12	374
T1 284 3406		<5	0.8	30	17	85	172	<5	0.39	932
T1 284 3407		43	0.9	87	15	85	31	<5	0.13	358
T1 284 3408		245	0.9	82	47	249	105	<5	0.27	383
T1 284 3409		<5	0.8	90	11	71	29	<5	0.12	368
T1 284 3410		11	0.6	69	12	97	52	<5	0.18	463
T1 284 3411		<5	0.9	98	9	80	22	<5	0.11	348
T1 284 3412		<5	0.7	81	22	79	53	<5	0.13	335
T1 284 3413		<5	0.7	27	10	120	27	<5	0.10	138
T1 284 3414		9	1.3	15	11	59	19	<5	0.07	80
T1 284 3415		<5	1.1	19	11	47	17	<5	0.03	56
T1 284 3416		52	2.0	23	13	84	25	<5	0.02	54
T1 284 3417		<5	1.2	18	9	53	7	<5	0.08	58
T1 284 3418		10	0.9	71	19	114	35	<5	0.10	129
T1 284 3419		215	0.8	68	18	107	47	<5	0.10	124
T1 284 3420		15	0.9	64	14	101	37	<5	0.09	87
T1 284 3421		<5	1.2	63	40	107	72	<5	0.10	100
T1 284 3422		6	1.0	103	17	133	42	<5	0.12	132
T1 284 3423		<5	0.8	102	18	147	38	<5	0.13	143
T1 284 3424		62	0.8	79	19	113	40	<5	0.09	103
T1 284 3425		<5	0.7	60	17	113	35	<5	0.09	109
T1 284 3426		84	1.2	140	24	223	61	<5	0.13	153
T1 284 3427		<5	1.0	80	23	123	52	<5	0.09	90
T1 284 3428		<5	1.1	86	20	121	43	<5	0.09	91
T1 284 3429		18	1.1	117	18	185	34	<5	0.10	165
T1 284 3430		21	1.0	89	18	124	67	<5	0.09	98
T1 284 3431		37	0.6	74	16	124	20	<5	0.11	146
T1 284 3432		14	1.1	82	19	120	40	<5	0.10	123
T1 284 3433		<5	1.2	88	21	141	76	<5	0.09	89
T1 284 3434		30	0.9	105	17	192	26	<5	0.15	143
T1 284 3435		<5	1.0	98	22	203	54	<5	0.10	107
T1 284 3436		<5	0.9	75	18	127	30	<5	0.12	187
T1 284 3437		<5	0.9	90	20	129	45	<5	0.09	116
T1 284 3438		49	0.8	65	14	104	34	<5	0.09	177
T1 284 3439		10	0.8	65	16	105	28	<5	0.16	154
T1 284 3440		<5	0.6	4	9	97	13	<5	0.04	70

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T1 284 3441		<5	0.7	5	7	125	6	<5	0.02	80
T1 284 3442		<5	0.5	13	9	29	12	<5	0.03	33
T1 284 3443		178	1.2	18	18	58	84	<5	0.02	51
T1 284 3444		<5	0.6	12	16	41	67	<5	0.03	48
T1 284 3445		<5	1.3	9	39	47	152	<5	0.02	38
T1 284 3446		<5	2.1	18	11	159	74	<5	0.16	96
T1 284 3447		<5	0.6	12	20	66	57	<5	0.05	56
T1 284 3448		<5	0.5	18	12	65	31	<5	0.05	65
T1 284 3449		<5	1.5	15	11	64	108	<5	0.03	41
T1 284 3450		<5	0.6	13	11	48	195	<5	0.03	69
T1 284 3451		<5	0.4	15	11	61	32	<5	0.05	45

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V90-02439.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #16

CLIENT: KEEWATIN ENGINEERING INC.
PROJECT: 284

SUBMITTED BY: DICK
DATE PRINTED: 23-OCT-90

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 30g	Gold 30 grams	42	5 PPB	Fire-Assay	Fire Assay AA
2	Ag	Silver	42	0.2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
3	Cu	Copper	42	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
4	Pb	Lead	42	2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
5	Zn	Zinc	42	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
6	As	Arsenic	42	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
7	Sb	Antimony	42	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
8	Mn	Manganese	42	0.01 PCT	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
9	Ba	Barium	42	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	42	2 -150	42	CRUSH,PULVERIZE -150	43

REMARKS: THE FOLLOWING SAMPLES WERE ANALYZED IN DUPLICATE:
90 284 EE F-146: 812 PPB
154: 61
165: 698
SS F-10: 137

REPORT COPIES TO: MR. RON NICHOLS
MR. TERRY TUCKER

INVOICE TO: MR. RON NICHOLS
MR. TERRY TUCKER

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mn PCT	Ba PPM
R2 90 284 EE F-146		811	3.7	14	5	11	416	22	<0.01	36
R2 90 284 EE R-147		<5	0.4	79	5	90	19	<5	0.15	131
R2 90 284 EE R-148		<5	0.8	35	4	44	15	<5	0.08	140
R2 90 284 EE F-149		<5	1.9	4684	4	269	542	1973	0.04	312
R2 90 284 EE R-150		<5	0.5	52	10	38	17	7	0.09	1385
R2 90 284 EE R-151		<5	0.5	203	7	63	13	12	0.10	432
R2 90 284 EE R-152		<5	0.3	72	5	71	9	8	0.13	1470
R2 90 284 EE R-153		<5	0.5	107	5	40	<5	<5	0.17	602
R2 90 284 EE R-154		61	0.7	388	20	87	21	<5	0.08	36
R2 90 284 EE R-155		<5	0.2	11	33	26	36	<5	0.03	107
R2 90 284 EE R-156		<5	<0.2	28	8	8	6	6	0.02	1183
R2 90 284 EE F-157		<5	0.6	22	14	72	1171	27	0.08	25
R2 90 284 EE C-158		47	7.0	136	8	197	106	<5	0.03	12
R2 90 284 EE C-159		8	2.4	66	17	175	93	<5	0.11	76
R2 90 284 EE F-160		41	6.1	278	13	71	250	9	<0.01	<5
R2 90 284 EE R-161		<5	0.8	49	11	167	9	<5	0.04	46
R2 90 284 EE R-162		8	3.7	401	<2	11	<5	<5	<0.01	16
R2 90 284 EE R-163		<5	0.6	25	7	28	6	<5	0.04	113
R2 90 284 EE R-164		<5	0.5	15	4	96	9	<5	0.17	113
R2 90 284 EE F-165		652	5.9	37	11	43	1591	63	<0.01	9
R2 90 284 EE R-166		<5	0.7	62	21	244	16	<5	0.26	189
R2 90 284 EE R-167		<5	0.2	13	9	47	102	7	0.01	69
R2 90 284 MM R-001		<5	0.9	160	5	88	15	<5	0.17	466
R2 90 284 MM R-002		<5	0.6	72	3	27	10	<5	0.19	250
R2 90 284 MM R-003		<5	0.5	34	6	125	23	<5	0.14	299
R2 90 284 MM R-004		<5	0.5	30	6	125	19	<5	0.13	492
R2 90 284 MM R-005		10	5.4	272	6	3964	39	<5	0.04	<5
R2 90 284 MM R-006		102	1.7	11	73	152	>2000	<5	0.05	44
R2 90 284 MM R-007		<5	<0.2	7	4	21	21	5	0.02	52
R2 90 284 MM F-008		<5	1.1	34	5	39	18	<5	0.22	89
R2 90 284 MM R-009		<5	0.8	141	4	42	15	<5	0.17	147
R2 90 284 SS F-1		27	2.4	70	19	39	275	10	0.04	11
R2 90 284 SS R-2		49	0.9	95	18	82	303	<5	0.01	253
R2 90 284 SS F-3		<5	0.6	11	27	30	533	20	0.01	30
R2 90 284 SS F-4		<5	0.3	8	67	161	33	<5	<0.01	68
R2 90 284 SS F-5		<5	0.5	88	9	42	23	<5	0.07	35
R2 90 284 SS F-6		<5	0.4	92	7	21	15	<5	0.03	15
R2 90 284 SS F-7		<5	0.8	79	11	43	9	<5	0.04	13
R2 90 284 SS F-8		48	2.6	24	115	371	131	25	0.04	17
R2 90 284 SS F-9		<5	0.9	135	10	63	18	<5	0.08	19

ndar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V90-02439.0

DATE PRINTED: 23-OCT-90
PROJECT: 284 PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mn PCT	Ba PPM
R2 90 284 SS F-10		143	5.0	68	899	1696	351	<5	0.10	19
R2 90 284 SS F-11		<5	0.7	49	9	66	26	<5	0.09	105

APPENDIX IV

Soil, Stream Silt and Rock Data Sheets

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: CANADIAN CARIBOU

Area (Grid):

Collectors: CLINT FREDRICKSON

Results Plotted By: SC.

Map: N.T.S.:

Date OCTOBER 80

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction 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
			LA ROSE PROPERTY.											B	10cm					Br
284 3413		0m	2830'											B	10cm					Br
284 3414		5m	"											B	5cm					R
284 3415		10m	2840'											B	10cm					R
284 3416		15m	"											B	10cm					R
284 3417		20m	2820'											B	10cm					Br
90X84 3440		0m	2580'											B	10cm					B-Bl
3441		100m	2540'											B	15cm					Bl
3442		200m	2420'											B	10					Br
3443		300m	2440'											B	5					B-
3444		400m	2420'											B	5					R
3445		500m	2420'											B	10					RGr
3446		600m	2360'											B	10					B-
3447		700m	2400'											B	10					Bl B-
3448		800m	2490'											B	10					G-
3449		900m	2440'											B	15					B-
3450		1000m	2480'											B	10					B-
3451		1,100m	2480'											B	10					B-

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: CANADIAN CARIBOU

Area (Grid): LAROSE.

Collectors:

Results Plotted By:

Map: N.T.S.:

Date:

Sample Number	NOTES	SEDIMENT DATA Gravel	Sand	Silt	Clay	Organic	STREAM DATA Bank	Active	Width	Depth CM	Velocity	SPRING	DRY GULLY
90EEL88	2570 ft.	30	30	40					2m	10cm	fast		
	— end Sept 28												
90284EEL89	LAROSE CK tributary 2610.	0	0	100					<1m	10	mod		
90284EEL90	main ck LAROSE 2510	0	0	100					1m	10	fast.		
90EEL91	main ck 2380	0	0	100					2m	20	fast		
90EEL92	tributary from SE 2330.	0	20	80					<1m	<10	mod.		
90EEL93	main ck Larose 2290	0	10	90					2m	20	fast		
90EEL94	LAROSE 2200	0	10	90					2m	20	fast		
90EEL95	LAROSE 2100	0	20	80					2m	20	fast		
90EEL96	tributary from NW 2010.	20	20	60					1m	20	fast		
90EEL97	LAROSE 2000	10	10	80					6	20	fast		
90EEL98	trib from SE 1940	10	10	80					1m	<10	mod		
90EEL99	LAROSE 1880	0	10	90					7m	20	fast		
90EEL100	trib from SE 1850	10	40	50					<1m	40	slow		
90EEL101	LAROSE 1780	0	10	90					7m	20	fast		
90EEL102	draining from S contact 1700	40	30	30					<1	10	slow		
90EEL103	LAROSE 1730	10	10	80					8m	20	fast		
90EEL104	from SE 1700	10	10	80					1m	<10	mod		
	— end 40CT												

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: CANADIAN CARIBOU

Area (Grid): LA ROSE

Collectors:

Results Plotted By:

Map: NTS:

Date: Surface Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90EER158	Larose property 2860'			1.0				seds	chip across check. pyrite stream in clk pyrite seds. minor po, sp, gn.	
90EER159	2860			0.5				seds	continuous in above as above	
90EER160	2860						✓	sed	off of dump. qtz py / 20% po rusty pyrite shale along strike from showing.	
90EER161	2680		✓							
90EER162	2860		✓						← highly pyrite gn in a qtz stream in pyrite seds.	
90EER163	2820		✓						2<50cm qtz sulphide (gn py) in pyrite seds shale	
	end 28 sht									
90EER165	LAROSE CK 1730						✓	sed float	qtz pyrite gn veins within a silicified black sediment (shale) pyrite qtz stringers up to 2% float angular and is 1m X 1m X ?40cm	

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Canadian Caribou Results Plotted By:

Area (Grid): Map: N.T.S.:

Collectors: Michael Renning Date:

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth cm	Velocity		
90 284 MML001	Illiance		X	X					0.2	1	S		
90 284 MML002	Illiance		X	X					0.7	2-3	F	X	
90 284 MML005	Iron precipitate sample Gwinya Creek (La Rose 2 Claim SE corner)			X					0.3	1	S	X	
90 284 MML006	La Rose 3350'		X	X					0.5	1-2	M		
90 284 MML007	La Rose 3400'		X	X					1.2	1-5	M		
90284 MML008	La Rose 2750'		X	X					0.5	2-5	M		
90284 MML009	La Rose 2660'		X	X		X			1.0	2-5	F		
90284 MML010	La Rose 2710'		X	X		X			0.2	1-2	M		
90 284 MML011	La Rose 3000'		X	X		X			2.0	50	F		

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Canadian Caribou
Area (Grid):
Collectors: Michael Renning

Results Plotted By:
Map: NTS:
Date: Surface Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90 284 MMR001	Illiance		X					Volcanic	Light green - grey andesite/basalt.	
90 284 MMR002	Illiance		X					Volcanic	Barite, Quartz, calcite · minor pyrite in a fine to medium grained green - grey andesite. Unidentified greenish mineral.	
90284 MMR003	La Rose · Lithogeochem on SW bank ≈ 10m upstream of old showing.		X	X				argillite		
90 284 MMR004	La Rose		X	X				argillite		
90284 MMR005	La Rose		X					vein Quartz, pyrite	pyrite, sphalerite? (otherwise an unknown silver-dull grey mineral with a tinge of red or ruby) in a Quartz vein	
90284 MMR006	La Rose		X					vein, Quartz pyrite	pyrite in a quartz vein taken high on the Westerly bank of the largest creek running through RCG 5518.	
90 284 MMR007	La Rose		X					vein (Quartz)	Barren Quartz vein, upto 4M wide at this point. Dissappears under overburden	
90284 MMR008	Illiance						X	sediments; argillites	Float mineralized with pyrite found ≈ 10-15 Metres upstream of silt 012. → Very angular float.	
90284 MMR009	Illiance 2660'		X					volcanic	Rhyolite/tuff fragmental, diss pyrite.	

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: CANADIAN CARIBOU Results Plotted By: SELF

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: STEVE CREELMAN Date: OCTOBER 9th

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY				
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity						
	EVINDSEN CREEK																
90284 SSL27	edge of moraine bas/and.; qtz float	10%	80%	10%					2m	10cm	F						
SSL28	rounded grey sand & gravel; drains gossan	—	60%	40%					.5m	1cm	S						
SSL29	trickles draining cliff & moraine grey sand & silt	20%	50%	30%					.5m	1cm	S						
SSL30	rounded volcanics; prob. contamination from moraine	—	80%	20%					.5m	20cm	M						
SSL31	round-rounded volcanics "	30%	50%	20%					1m	5cm	F						
SSL32	major cleft drainage thru moraine; volcanics	10%	70%	20%					2m	10cm	M						
SSL33	rounded grav. & light sand bed.	30%	40%	30%					1m	5cm	F						
SSL34	over outwash fan/moraine; volcanics/seds	—	70%	30%					3m	10cm	F						
SSL35	as above	50%	30%	10%		10%			1m	5cm	M						
SSL36	andesites & altered shales.	10%	60%	30%					1m	10cm	F						
SSL37	in alders; grey sand & gravel	10%	60%	30%					1m	10cm	M						
	LA ROSE PROPERTY																
SSL38	10m wide seasonal bed; drains high notch ~~grave~~	20%	60%	20%					1m	10cm	M						
SSL39	granodiorite; Gwynya Creek proper	~~40%~~	50%	20%					10m	20cm	F						
SSL40	Gwynya Creek	20%	70%	10%					10m	20cm	F						
SSL41	drains bsl.; granite gravel bed	20%	70%	10%					1m	5cm	M						
SSL42	Gwynya creek	—	60%	40%					10m	20cm	F						
SSL43	Gwynya creek	—	60%	40%					10m	20cm	F						
SSL44	major feeder creek basalts/granites/sediments	40%	50%	10%					1m	10cm	F						
SSL45	Gwynya creek	—	70%	30%					10m	20cm	F						

KEEWATIN ENGINEERING INC.

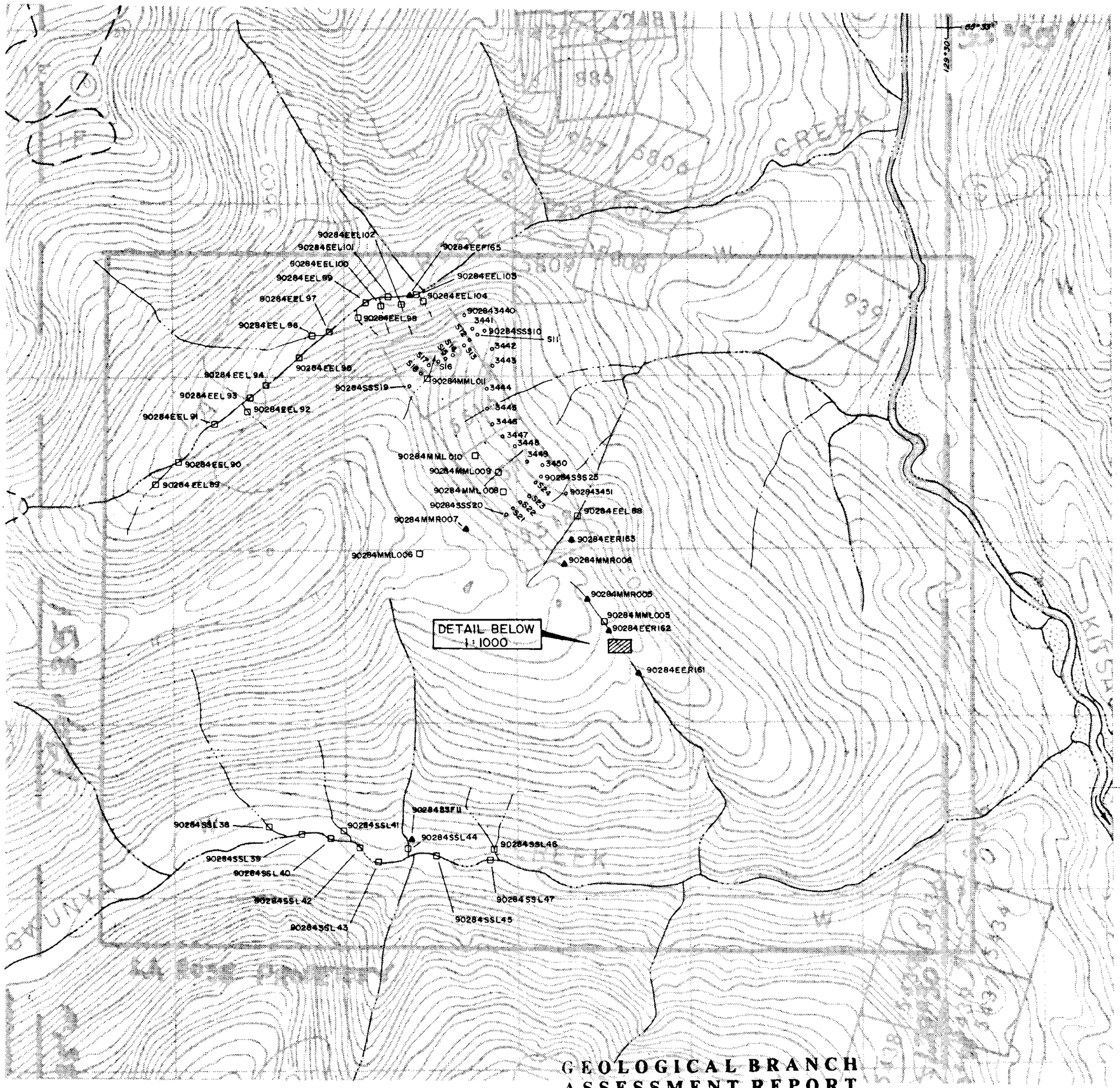
SOIL SAMPLES

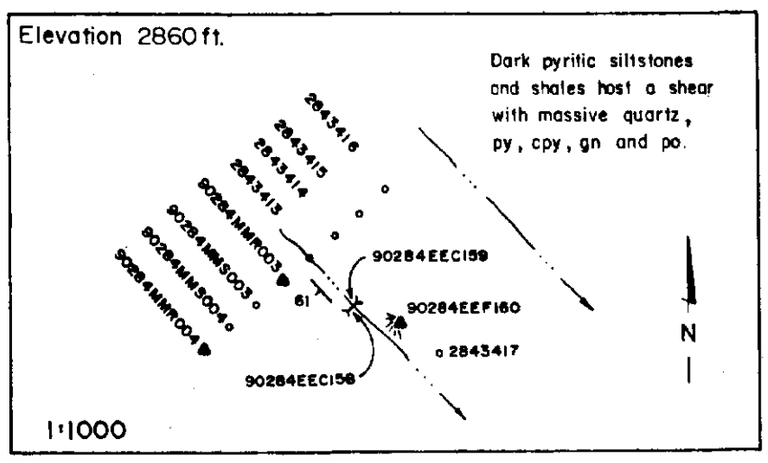
Project: CANADIAN CARIBOU — Results Plotted By: SELF

Area (Grid): — Map: — N.T.S.: —

Collectors: STEVE CREELMAN — Date OCTOBER 92

Sample Number	Sample Location: Line	Sample Location: Station	Notes		Topography: Valley Bottom	Topography: Direction 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
90284 SS51	KINS-N-		on scree	@3000		W.						Burnt			B	EXP.					Br
90284 SS52	"		on scree	@3620		W.						"			B	EXP.					Br
90284 SS53	JILLIANS	Some organics	beside stream	@4100		S.						"			B	"					Br
90284 SS54	"		dry gully silt/soil	EL3780		E.						"			B	"					Br
90284 SS55	"		talus below gossan	@3930		E.						"			B	"					Br
	LA ROSE PROPERTY																				
90284 SS510		Line running across CG SS15		@2600		NE							X		B	15cm					Br
90284 SS511		from 2600' to 3050'		2640						X					B	15cm					Br
SS512				2700						X					B	10cm					Br
SS513				2750						X					B	10cm					Br
SS514				2800					X						B	10					Br
SS515				2800					X						A/B	10					Br
SS516				2850						X					B	10					Br
SS517				2950									X		B	5					Gr
SS518				3030									X		B	15					Br
SS519				3080									X		B	15					Br
SS520		Line running across CG-SS17		2880						X					B	20					Br
SS521		from 2550' to 2480'		2780									X		B	15					Br
SS522				2670									X		B	15					Gr
SS523				2580						X					B	20					Br
SS524				2520						X					B	10					Br
90284 SS525				2480						X					B	5					Br





GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,141

N

0 500 1000 m.
Scale

EXPLANATION

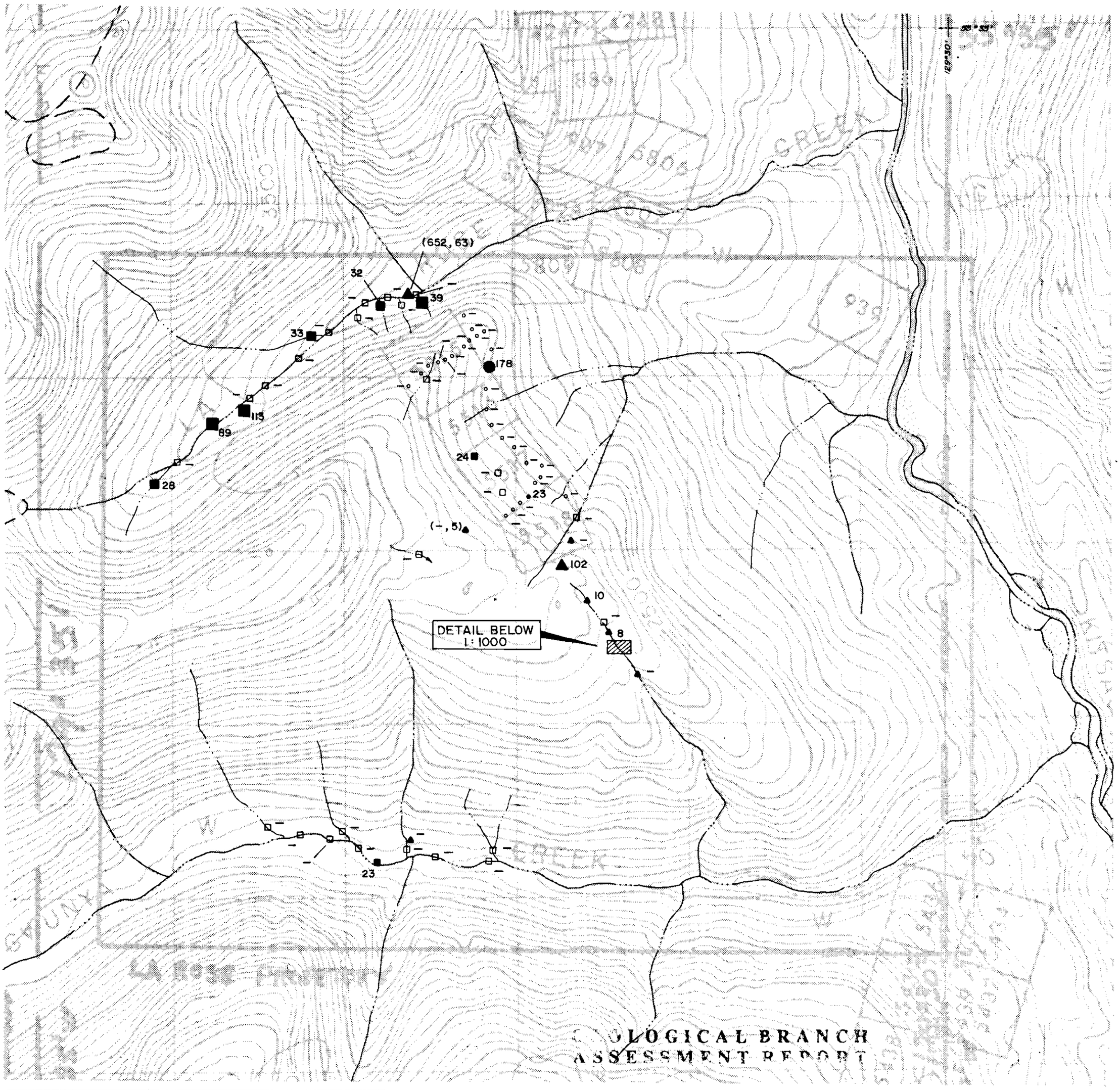
- o Soil sample
- □ Silt sample
- ▲ Rock sample
- ⊢⊣ Chip sample in trench

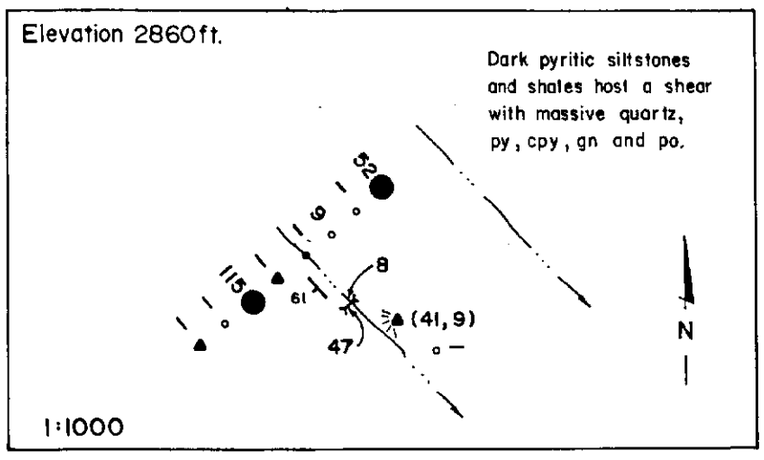
Canadian Cariboo Resources LTD.

La ROSE PROPERTY

SAMPLE LOCATION MAP

DATE: Oct. 29, 1990	NTS: 103/P5
PROJECT: 2851	PROJ. GEOL.: TL Tucker
SCALE: 1:20000	
Keewatin Engineering Inc.	MAP No. 7





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KIYSAULT RIVER AREA - GEOCHEMISTRY

REGIONAL ROCK GEOCHEMISTRY (197 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ▲	<50	<2.8	<160	<90	<400	<130
Moderate ▲	40-65	2.8-4.2	160-250	90-140	400-600	130-200
Strong ▲	>65	>4.2	>250	>140	>600	>200

REGIONAL SOIL GEOCHEMISTRY (160 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ○	<16	<2	<80	<30	<150	<50
Weak ●	16-26	2-3	80-120	30-45	150-200	50-80
Moderate ●	26-36	3-4	120-160	45-60	200-250	80-110
Strong ●	>36	>4	>160	>60	>250	>110

REGIONAL SILT GEOCHEMISTRY (259 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background □	<20	<1.1	<80	<20	<200	<50
Weak ■	20-25	1.1-1.4	80-110	20-30	200-250	50-70
Moderate ■	25-35	1.4-1.7	110-130	30-40	250-300	70-90
Strong ■	>35	>1.7	>130	>40	>300	>90

EXPLANATION

- ○ Soil sample
- □ Silt sample
- ▲ Rock sample
- ⊢ Chip sample in trench
- (41,9) (Au ppb, Sb ppm)
- 23 Au ppb with Sb < 5 ppm
- — Au < 5 ppb

N

0 500 1000 m.
Scale

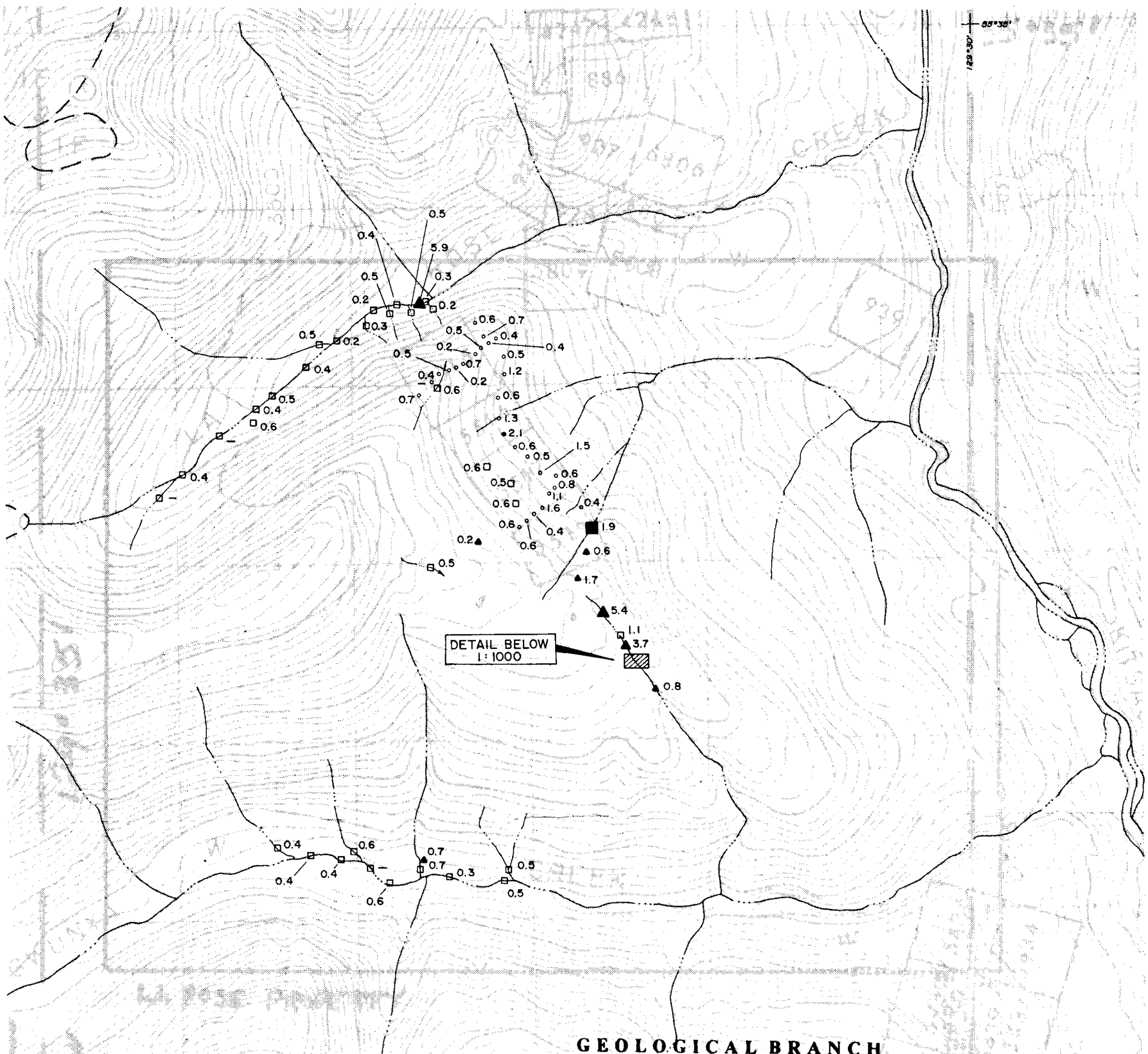
Canadian Caribou Resources LTD.

La ROSE PROPERTY

GEOCHEMISTY MAP

GOLD and ANTIMONY

DATE Oct. 29, 1990 | FIGURE
REPORT 2451 | DRAWN BY C.L. Tucker
SCALE 1:2000
Kerr Addison Engineering Inc. | PROJECT No. 8



EXPLANATION

- ∘ Soil sample
- □ Silt sample
- ▲ Rock sample
- ⊢ Chip sample in trench
- 1.3 Ag ppm
- — Ag < 0.2 ppm

KISSAULT RIVER AREA - GEOCHEMISTRY

REGIONAL ROCK GEOCHEMISTRY (197 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ▲	<50	<2.8	<160	<90	<400	<130
Moderate ▲	40-65	2.8-4.2	160-250	90-140	400-600	130-200
Strong ▲	>65	>4.2	>250	>140	>600	>200

REGIONAL SOIL GEOCHEMISTRY (160 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ∘	<16	<2	<80	<30	<150	<50
Weak •	16-26	2-3	80-120	30-45	150-200	50-80
Moderate ●	26-36	3-4	120-160	45-60	200-250	80-110
Strong ●	>36	>4	>160	>60	>250	>110

REGIONAL SILT GEOCHEMISTRY (259 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background □	<20	<1.1	<80	<20	<200	<50
Weak ■	20-25	1.1-1.4	80-110	20-30	200-250	50-70
Moderate ■	25-35	1.4-1.7	110-130	30-40	250-300	70-90
Strong ■	>35	>1.7	>130	>40	>300	>90

N

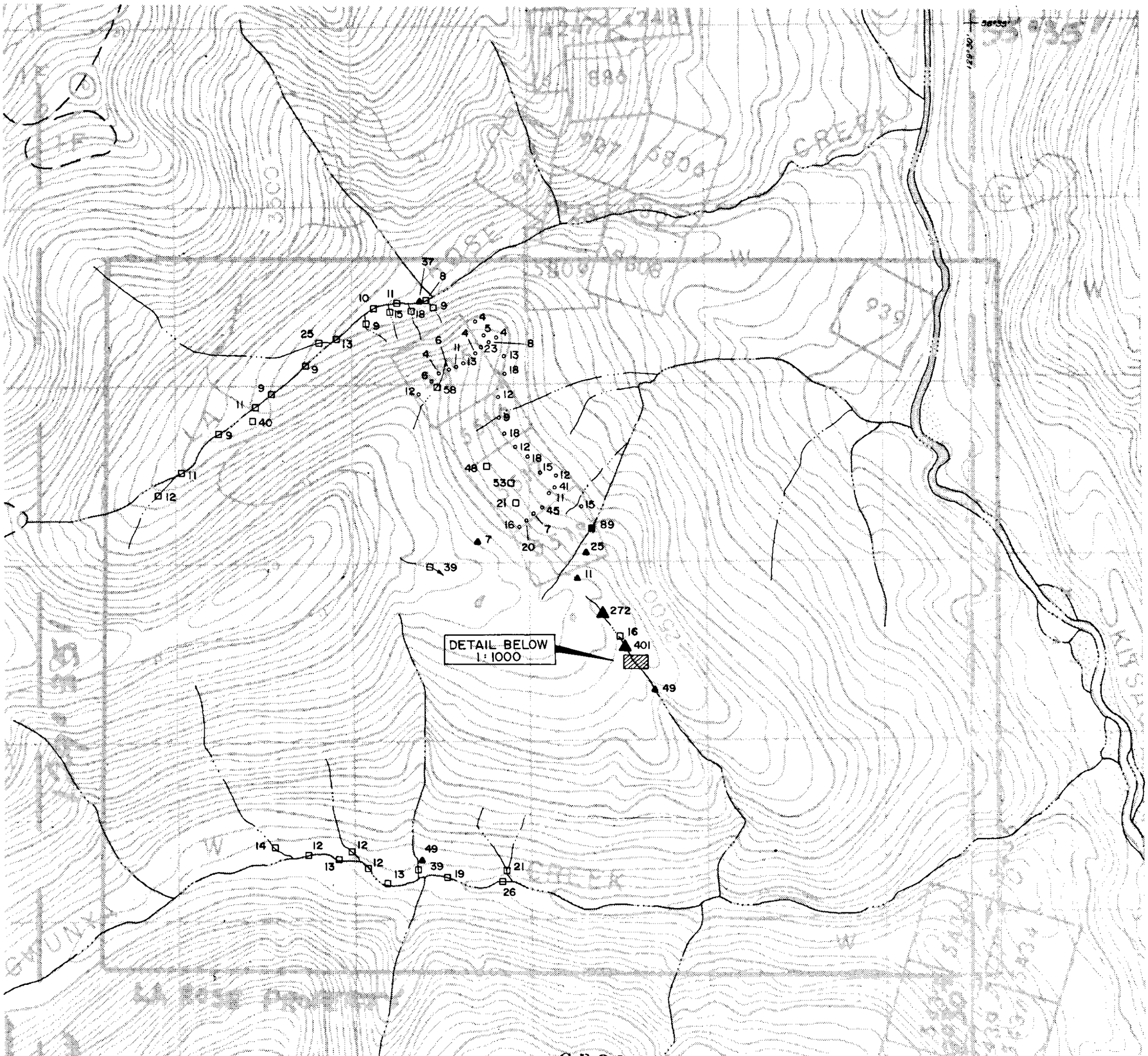
0 500 1000 m.
Scale

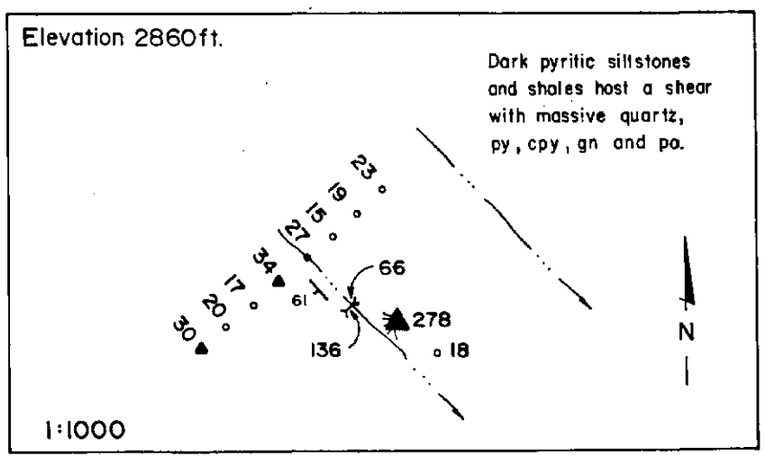
Canadian Caribou Resources LTD.

La ROSE PROPERTY

GEOCHEMISTY MAP

SILVER PPM





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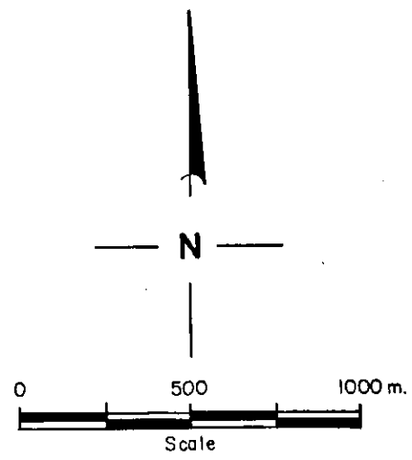


KITSAULT RIVER AREA - GEOCHEMISTRY

REGIONAL ROCK GEOCHEMISTRY (197 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ▲	<50	<2.8	<160	<90	<400	<130
Moderate ▲	40-65	2.8-4.2	160-250	90-140	400-600	130-200
Strong ▲	>65	>4.2	>250	>140	>600	>200

REGIONAL SOIL GEOCHEMISTRY (160 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ○	<16	<2	<80	<30	<150	<50
Weak ●	16-26	2-3	80-120	30-45	150-200	50-80
Moderate ●	26-36	3-4	120-160	45-60	200-250	80-110
Strong ●	>36	>4	>160	>60	>250	>110

REGIONAL SILT GEOCHEMISTRY (259 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background □	<20	<1.1	<80	<20	<200	<50
Weak ■	20-25	1.1-1.4	80-110	20-30	200-250	50-70
Moderate ■	25-35	1.4-1.7	110-130	30-40	250-300	70-90
Strong ■	>35	>1.7	>130	>40	>300	>90

EXPLANATION

- ○ Soil sample
- □ Silt sample
- ▲ Rock sample
- ⊢ Chip sample in trench
- 89 Cu ppm

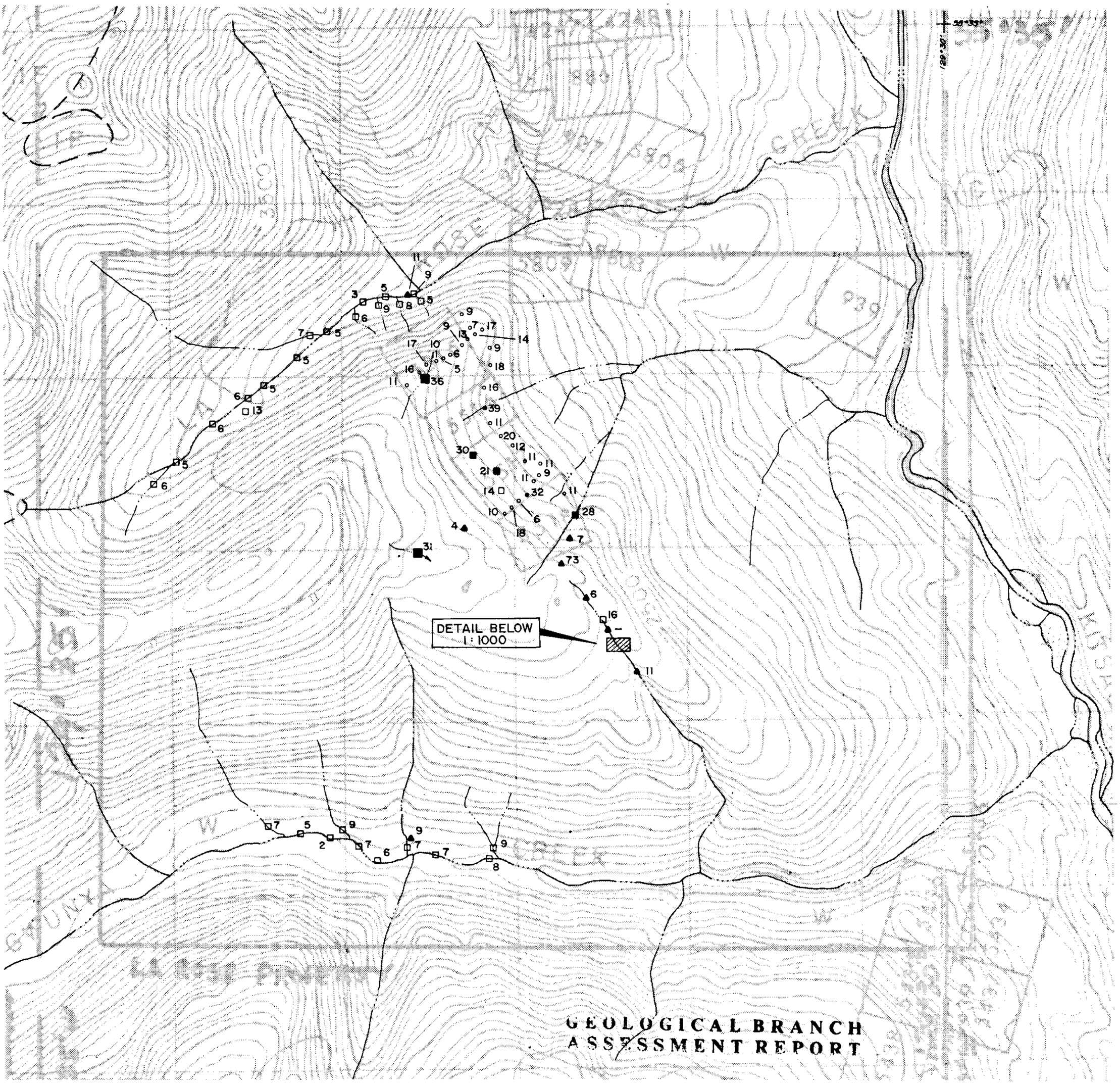
Canadian Caribou Resources LTD.

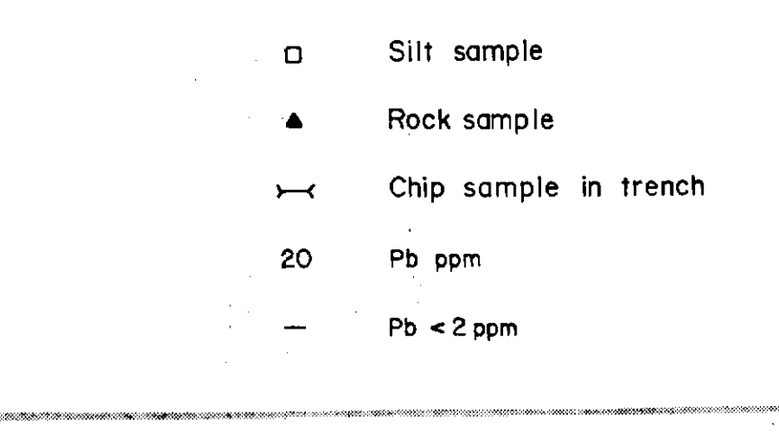
La ROSE PROPERTY

GEOCHEMISTY MAP

COPPER PPM

DATE: Oct. 29, 1990
FIGURE 208
SCALE: 1:2000
DRAWN: T.L. Tucker
Kennecott Prospecting Inc.
PROP. No. 10





EXPLANATION

- ○ Soil sample
- □ Silt sample
- ▲ Rock sample
- ⊢ Chip sample in trench
- 20 Pb ppm
- — Pb < 2 ppm

KITSAULT RIVER AREA - GEOCHEMISTRY

REGIONAL ROCK GEOCHEMISTRY (197 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ▲	<30	<2.8	<160	<90	<400	<130
Moderate ▲	40-65	2.8-4.2	160-250	90-140	400-600	130-200
Strong ▲	>65	>4.2	>250	>140	>600	>200

REGIONAL SOIL GEOCHEMISTRY (160 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ○	<16	<2	<80	<30	<150	<50
Weak ●	16-26	2-3	80-120	30-45	150-200	50-80
Moderate ●	26-36	3-4	120-160	45-60	200-250	80-110
Strong ●	>36	>4	>160	>60	>250	>110

REGIONAL SILT GEOCHEMISTRY (259 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

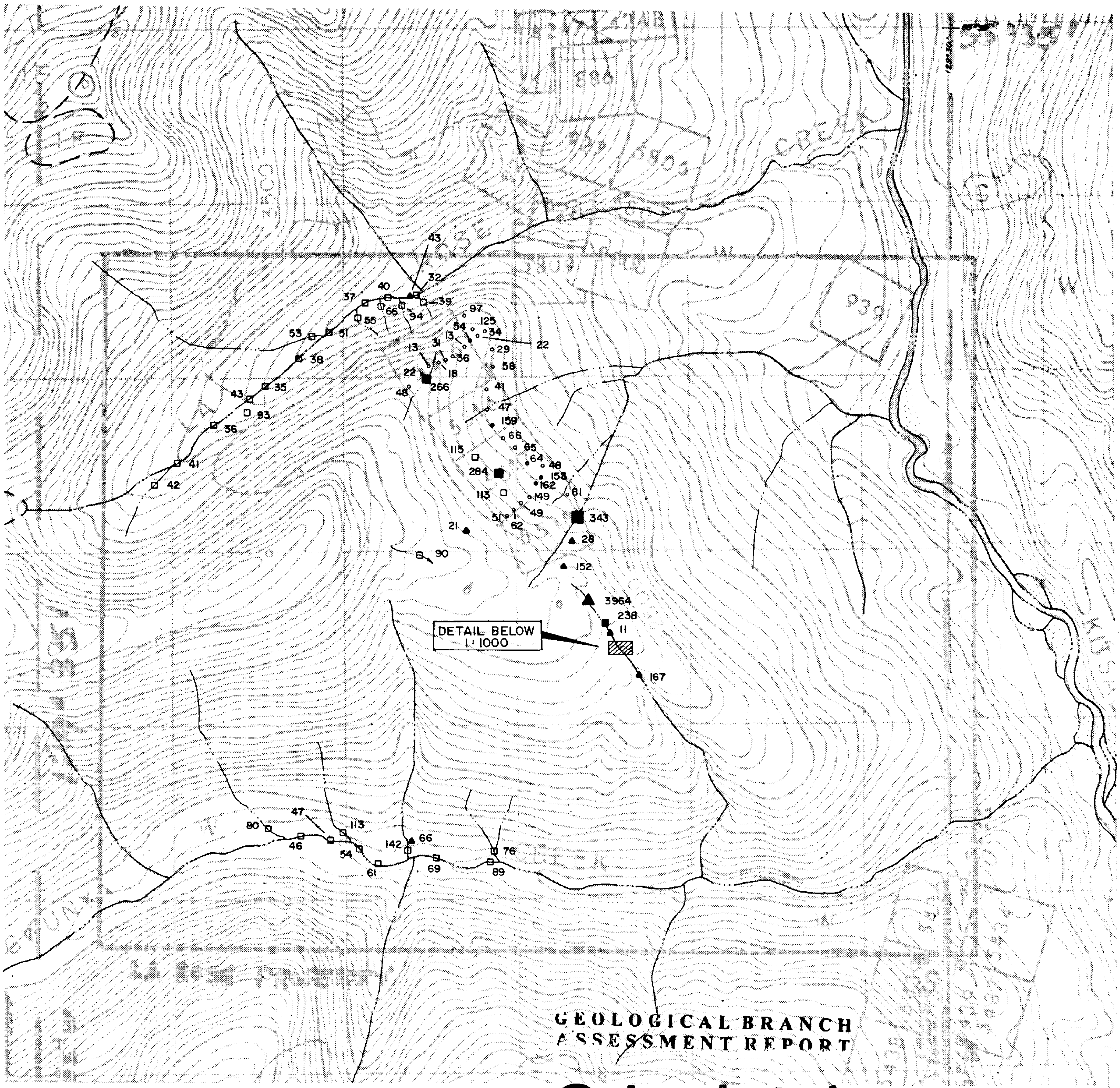
	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background □	<20	<1.1	<80	<20	<200	<50
Weak ■	20-25	1.1-1.4	80-110	20-30	200-250	50-70
Moderate ■	25-35	1.4-1.7	110-130	30-40	250-300	70-90
Strong ■	>35	>1.7	>130	>40	>300	>90

Canadian Caribou Resources LTD.

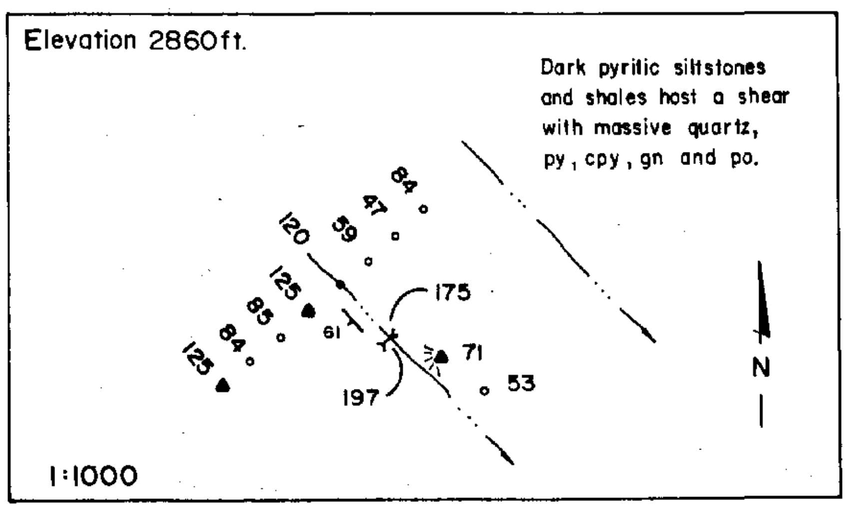
La ROSE PROPERTY

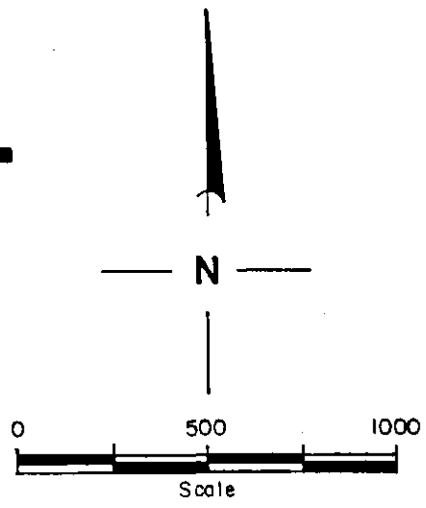
GEOCHEMISTY MAP
LEAD PPM

DATE Oct 29, 1990 — NTS 103/P5
PROJECT 2851 — DWG. 2851-PL Tucker
SCALE 1:2000C — Ronning Engineering Inc. — FIG. No. 11



21,141





EXPLANATION

Symbol	Meaning
o	Soil sample
□	Silt sample
▲	Rock sample
⟝⟞	Chip sample in trench
238	Zn ppm

KITSAULT RIVER AREA - GEOCHEMISTRY

REGIONAL ROCK GEOCHEMISTRY (197 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

Anomaly Strength	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Background ▲	<50	<2.8	<160	<90	<400	<130
Moderate ▲	40-65	2.8-4.2	160-250	90-140	400-600	130-200
Strong ▲	>65	>4.2	>250	>140	>600	>200

REGIONAL SOIL GEOCHEMISTRY (160 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

Anomaly Strength	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Background o	<16	<2	<80	<30	<150	<50
Weak •	16-26	2-3	80-120	30-45	150-200	50-80
Moderate ●	26-36	3-4	120-160	45-60	200-250	80-110
Strong ●	>36	>4	>160	>60	>250	>110

REGIONAL SILT GEOCHEMISTRY (259 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

Anomaly Strength	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Background □	<20	<1.1	<80	<20	<200	<50
Weak ■	20-25	1.1-1.4	80-110	20-30	200-250	50-70
Moderate ■	25-35	1.4-1.7	110-130	30-40	250-300	70-90
Strong ■	>35	>1.7	>130	>40	>300	>90

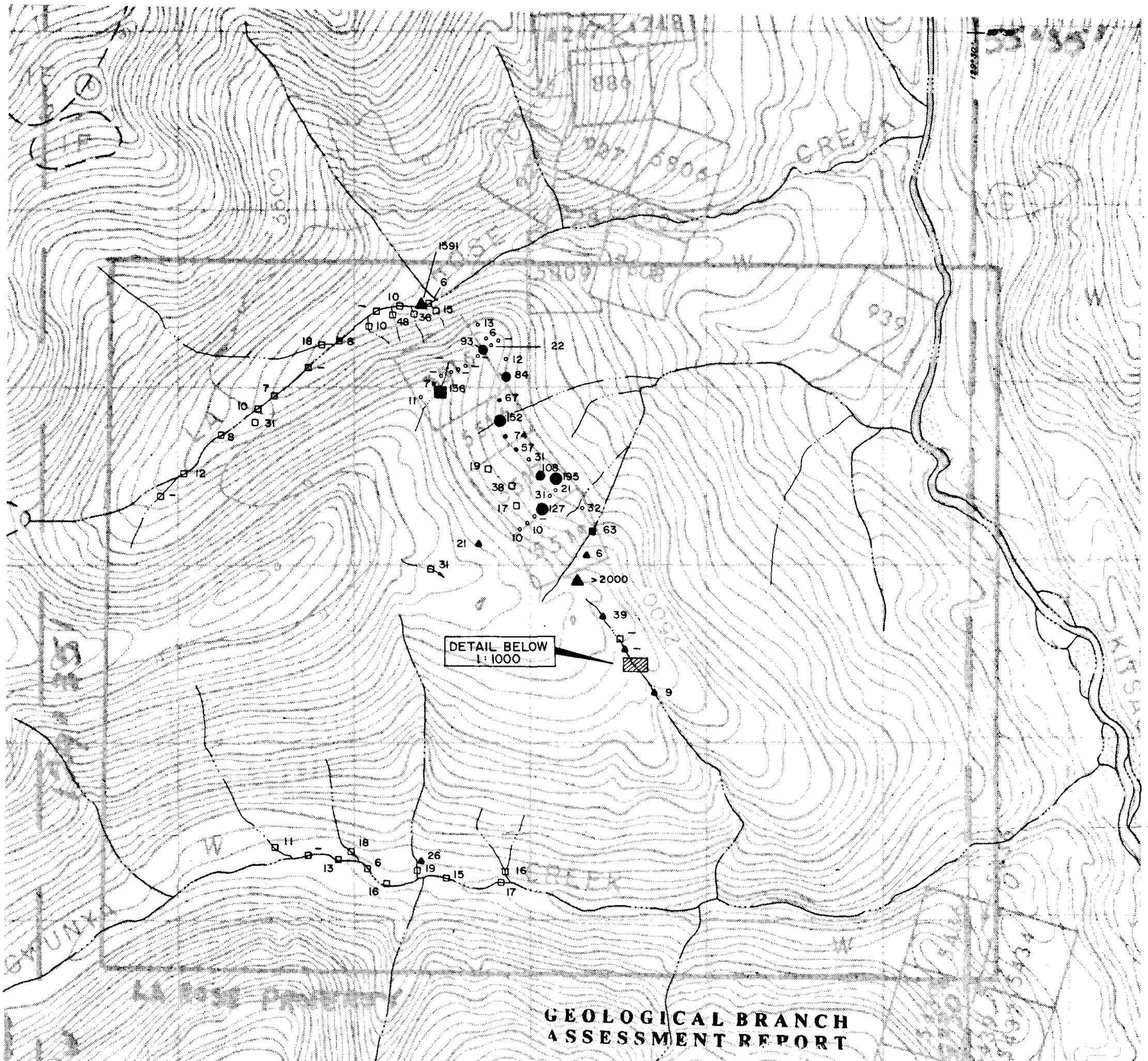
Canadian Cariboo Resources LTD.

La ROSE PROPERTY

GEOCHEMISTY MAP
ZINC PPM

DATE: Oct. 29, 1990 | NTS 103 P5
PROJECT 2951 | DRN. CHKD T.L. Tucker
SCALE: 1:20000

Keewatin Engineering Inc. | MAP No. 12



EXPLANATION

- ○ Soil sample
- □ Silt sample
- ▲ Rock sample
- ⊢ Chip sample in trench
- 63 As ppm

KITSAULT RIVER AREA - GEOCHEMISTRY

REGIONAL ROCK GEOCHEMISTRY (197 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ▲	<50	<2.8	<160	<90	<400	<130
Moderate ▲	40-65	2.8-4.2	160-250	90-140	400-600	130-200
Strong ▲	>65	>4.2	>250	>140	>600	>200

REGIONAL SOIL GEOCHEMISTRY (160 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background ○	<16	<2	<80	<30	<150	<50
Weak ●	16-26	2-3	80-120	30-45	150-200	50-80
Moderate ●	26-36	3-4	120-160	45-60	200-250	80-110
Strong ●	>36	>4	>160	>60	>250	>110

REGIONAL SILT GEOCHEMISTRY (159 SAMPLES)
(from Tupper, D., 1990)

STATISTICAL SUMMARY - NOVEMBER, 1990

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
Anomaly Strength						
Background □	<20	<1.1	<80	<20	<200	<50
Weak ■	20-25	1.1-1.4	80-110	20-30	200-250	50-70
Moderate ■	25-35	1.4-1.7	110-130	30-40	250-300	70-90
Strong ■	>35	>1.7	>130	>40	>300	>90

N

0 500 1000 m.
Scale

Canadian Caribou Resources LTD.

La ROSE PROPERTY

GEOCHEMISTY MAP

ARSENIC PPM

DATE: Oct. 29, 1990	FILE: 103/P5
PROJECT: 2851	DRN: MELITL. Tucker
SCALE: 1:2000	
Aquarius Engineering Inc.	MAP No. 13