# Au GROUPS

## Au 1-19 MINERAL CLAIMS

NTS: 93A14W
Latitude 52°50'N - Longitude 121°25'W

CARIBOO MINING DIVISION
REPORT ON GEOLOGY AND GEOCHEMISTRY
BY

E.F. PATTISON, F.G.A.C.

Dates of Work: June 30 - August 17, 1981

8 pages
+ Appendices

Owner: Canadian Nickel Co. Ltd.

Operator: Canadian Nickel Co. Ltd.
80 - 10551 Shellbridge Way
Richmond, British Columbia
V6X 2W8

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# I. INTRODUCTION

## 1. Location, Access and Physiography

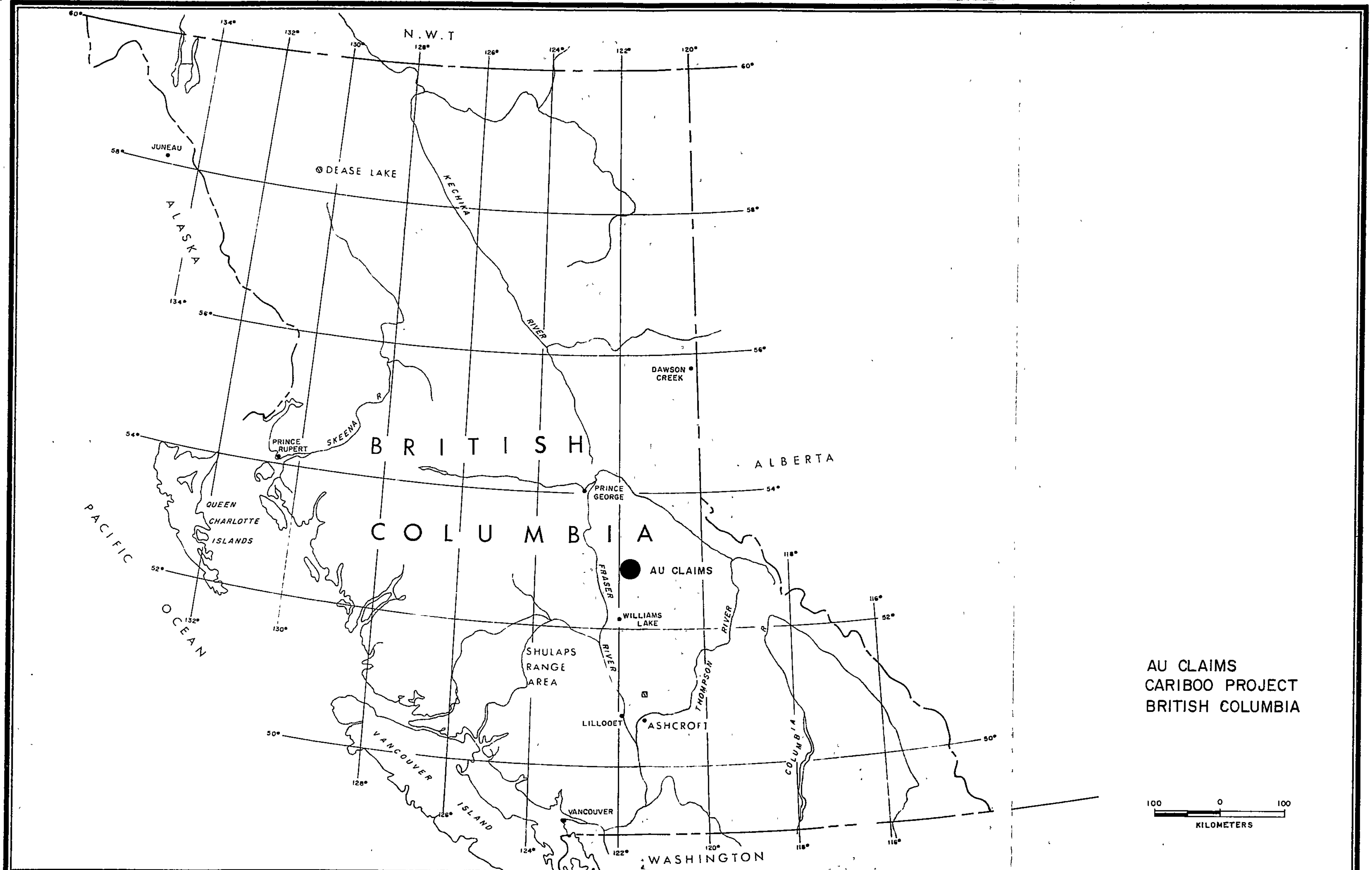
The Au 1-19 claims are located around Yanks Peak, the summit of which lies approximately 25 kms. north northeast of the village of Likely (Figs. 1 and 2). The claims are accessible by truck from a generally poor track that leads from Keithley Creek to Barkerville. Forestry roads give some access to parts of the claim block whereas some of the property is most easily reached by helicopter.

The claims cover part of the transitional terrain between the high alpine, glaciated peaks of the main Cariboo Range to the northeast and the more subdued, rolling, topography of the Interior Plateau to the southwest. Topography varies from alpine terrain at the summit of Yanks Peak, through open sub-alpine meadows on the Snowshoe Plateau to densely forested lower slopes along the Keithley Creek and Caribou River drainage systems.

## 2. Property Definition

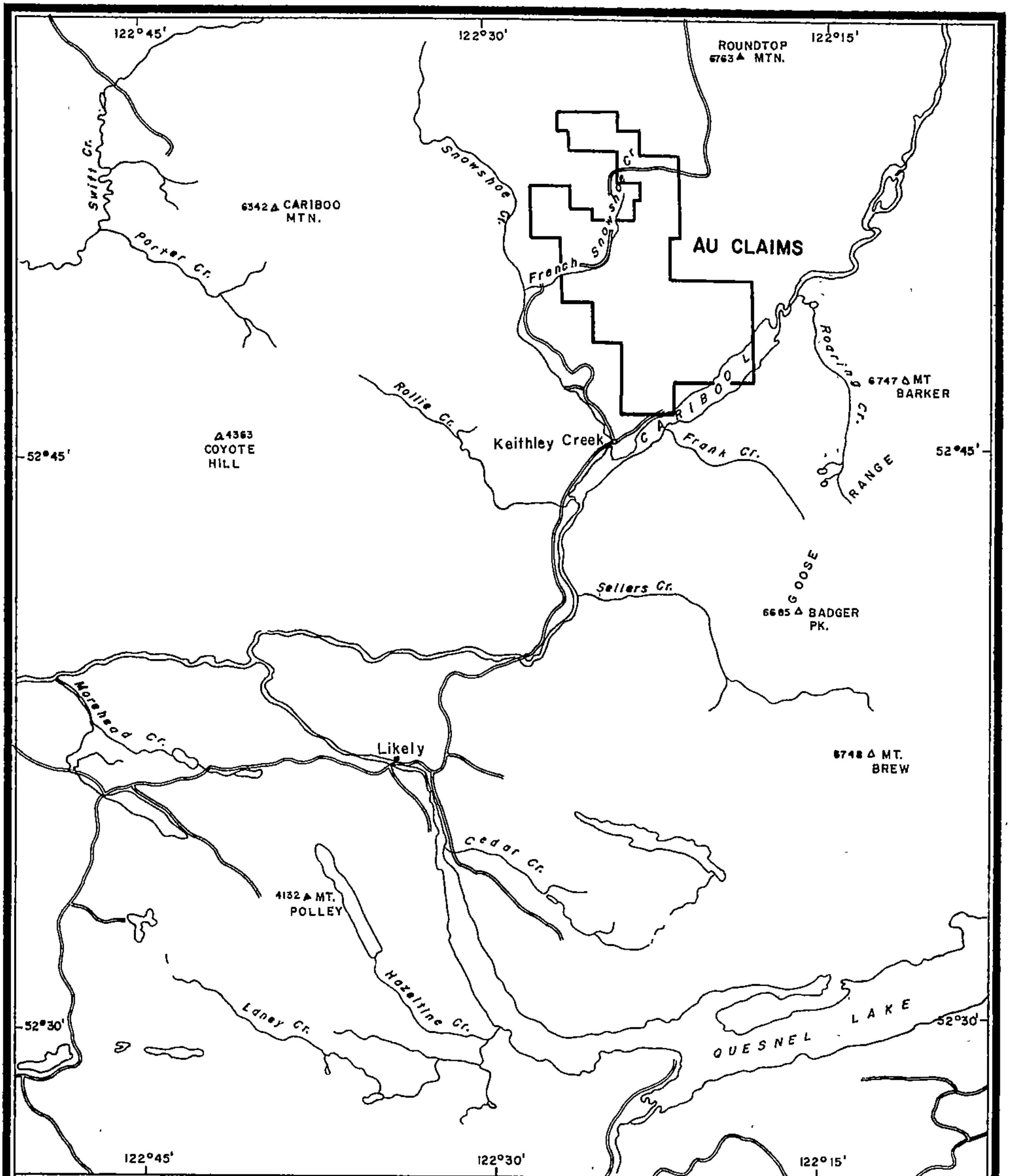
The property consists of 19 claims (315 units) staked between March 7 and March 11, 1981. Data for these claims is tabulated below.

| Claim Name | (Units) | Record # | Recorded | Due Date |
|---|---|---|---|---|
| Au 1 | (15) | 3274 | March 25, 1981 | March 25, 1982 |
| Au 2 | (20) | 3275 | " | " |
| Au 3 | (20) | 3276 | " | " |
| Au 4 | (20) | 3277 | " | " |
| Au 5 | (20) | 3278 | " | " |
| Au 6 | (20) | 3279 | " | " |
| Au 7 | (20) | 3280 | " | " |
| Au 8 | (20) | 3281 | " | " |
| Au 9 | (18) | 3282 | " | " |
| Au 10 | (20) | 3283 | " | " |
| Au 11 | (20) | 3284 | " | " |
| Au 12 | (20) | 3285 | " | " |
| Au 13 | ( 8) | 3286 | " | " |
| Au 14 | ( 6) | 3287 | " | " |
| Au 15 | (20) | 3288 | " | " |
| Au 16 | (16) | 3289 | " | " |
| Au 17 | (10) | 3290 | " | " |
| Au 18 | (10) | 3291 | " | " |
| Au 19 | (12) | 3292 | " | " |
| | (315) | | | |




AU CLAIMS
CARIBOO PROJECT
BRITISH COLUMBIA

FIGURE 1




AU CLAIMS
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SCALE 1 : 250,000

FIGURE 2

The owner and operator for all claims is:

Canadian Nickel Co. Ltd.
80 - 10551 Shellbridge Way
Richmond, British Columbia
V6X 2W8

## 3. Property History

The claims were staked on the basis of a geological evaluation that suggested that the Yanks Peak area might be geologically and structurally analogous to the important past producing gold mines around Barkerville and Wells which lie approximately 25 kms to the north. Numerous small gold showings and gold occurrences are known in the vicinity of Yanks Peak. Good descriptions of these are given in publications by Lang (1936), Holland (1954) and Sutherland-Brown (1957).

## 4. 1981 Program Summary

A total of 163 man days was spent on the Au 1-19 claims during the period June 30 - August 17, 1981. Work performed consisted of:

a) Geological mapping at a scale of 1:15,840 (1" = 1/4 mile) over a total area of 7,875 hectares.

b) A total of 224 rock chip samples were collected and analysed for gold and arsenic. 57 of these were also analysed for silver and tungsten.

# II. GEOLOGY

## 1. Regional Geology

Previous detailed regional mapping (Holland, 1954) which covered the northern portion of the Au claim block (roughly the area northwest of French Snowshoe Creek), suggested that the claims are entirely underlain by formations of the Cariboo Group of Late Proterozoic to Cambrian age. Table 1 lists his proposed geological section.

TABLE OF FORMATIONS (after Holland, 1954)

| Formation | | Lithology |
|---|---|---|
| Intrusive rocks | | Dykes of rhyolite porphyry, lamprophyre, diabase & diorite. |
| | | Intrusive Contact |
| Snowshoe formation | Upper Member | Dark grey limestone, chlorite schist, black slate. |
| | Middle Member | Fissile, grey argillaceous quartzite; fissile, pinkish-brown weathering, sericitic quartzite. |
| | Lower Member | White to grey hard grit and quartzite, some feldspathic; interbeds of finer-grained argillaceous quartzite. |
| | Basal Member | Pea-pebble conglomerate, pancake conglomerate, or limestone conglomerate, grey gritty quartzite with argillaceous partings or thin argillaceous interbeds. |
| Midas formation | | Grey to black silty quartzite, argillaceous schist & slate with porphyroblastic ankerite, black fine-grained quartzite, grey sericitic argillaceous schist, ankeritic quartzite, and black limestone. |
| Yanks Peak quartzite | | Grey to white, dense, fine-grained silicified quartzite, in places gritty or almost a pea-pebble conglomerate. |
| Yankee Belle formation | | Light-grey to brown phyllite with interbedded quartzite, chlorite schist, characterized by absence of black silty quartzite & at Yanks Peak by presence of numerous smoky-grey quartz veinlets. |
| Cunningham limestone | | Fine-grained, grey to black limestone largely bleached light grey to cream with thin chloritic interbeds in the upper 50 feet. |

According to Holland, structure in the area is dominated by the Yankee Belle anticline, a large overturned fold structure whose southwest dipping axial plane lies just west of the summit of Yanks Peak. Formations as low in the sequence as the Yankee Belle formation are exposed in the core of the anticline. To the northeast of Yanks Peak, and extending for approximately 7 kms, he postulates a complex synclinorial structure characterized by repetitive, shallowly plunging anticlines and synclines which have the effect of exposing repeated bands of Midas and Snowshoe formation lithologies with the Midas formation being exposed in the cores of the anticlinal structures.

Older formations of the Cariboo Group, down to the Cunningham limestone are again exposed in the core of the major Cunningham anticline 12 kms northeast of Yanks Peak.

Struik (1981) has proposed radically different geological and structural interpretations of the regional geology. The major implication of these reinterpretations, as far as the Au claim block is concerned, is to cast considerable doubt on the correlation of rock units in the Yanks Peak area with the Cariboo group further to the east. Specifically, areas previously mapped as Snowshoe and Midas formations between Yanks Peak and Roundtop Mountain are now considered as being underlain by undifferentiated rocks of the Kaza group, and Cunningham, Black Stuart, and Guyet Formations which range in age from Hadrynian to Devonian.

Regional mineral exploration is focused on the search for deposits similar to the past-producing lode gold mines in the Wells-Barkerville area. These deposits are hosted by the same debatable complex of stratigraphic units that occurs between Yanks Peak and Roundtop Mountain. These deposits are traditionally referred to as occurring near the "Midas-Snowshoe contact."

## 2. Property Geology

### A. Summary

Reconnaissance style geology was carried out at the scale of 1:15,840 by airphoto controlled pace and compass methods. Data were subsequently transferred on 1:12,000 scale enlargements of the relevant 1:50,000 topographic map (NTS 93A14W) (Figs. 3a, 3b). The objectives of the mapping were:

a. To define areas that might be stratigraphically analogous to the geology of the Wells-Barkerville area

b. To identify concentrations of auriferous quartz veins within such areas

c. To determine if any limestone horizons existed that might host auriferous carbonate "replacement" deposits.

A small area in claim Au 17 was mapped at a scale of 1:1000. This area is outlined on Fig. 3a while the geology and geochemical results are compiled as Fig. 3c.

The geology of the portion of the property northwest of French Snowshoe Creek corresponds very well to the mapping by Holland. Areas adjacent to Yanks Peak, exposed in the core of the Yankee Belle anticline, were not traversed in detail but the geology appears to conform to his descriptions of the Yanks Peak and Yankee Bell formations. The main areas of interest, northeast and southeast of Yanks Peak, are underlain by units equivalent to his "Midas" and "Snowshoe" formations and these areas are mapped as such while realizing that these formational units may not correspond to the Midas and Snowshoe formations as defined further to the east by Strüik.

B. Lithology

i) Areas underlain by the "Yankee Belle" and "Yanks Peak" formations were not traversed in detail but those outcrops that were seen agree with the descriptions of Holland. These descriptions are abstracted from his 1954 report. The area of outcrop of those formations as shown on Figs. 3A and 3B is taken from his map.

Yankee Belle:

Near Yanks Peak the Yankee Belle formation consists dominantly of grey silty quartzites, grey argillaceous and sericitic schists, and lesser amounts of grey quartzite. On the trail from the Midas claims to the Yankee Belle camp a characteristic rock is a light-grey brownish-weathering quartzite, thinly laminated with grey silty quartzite and argillaceous schist. An almost complete section is exposed in the canyon on French Snowshoe Creek downstream from where the Yanks Peak quartzite crosses the creek at J. Sockett's mineral showing. The rocks are fairly uniform and are predominantly dark-grey fine silty quartzite, and argillaceous schist and slate. They have light-coloured laminations as much as an eighth of an inch thick which may be either ankerite or quartz-ankerite veinlets parallel to the schistosity. In the upper part of the canyon and near the Yankee Belle adit the rocks contain scattered pyrite cubes as much as half an inch across. As a general rule, the rocks weather to a light brown except on the main road below Snarlberg, where outcrops of grey slates and grey slaty argillaceous rocks are not unlike some members of the Midas formation. On the slopes of Yanks Peak above the Yankee Belle camp, the Yankee Belle rocks contain numerous smoky-grey quartz veins and lenticles, of which some crosscut the foliation and some are parallel to it. This smoky vein quartz is exceedingly common and appears to be restricted to the Yankee Belle formation and the overlying Yanks Peak quartzite.

Yanks Peak:

The Yanks Peak quartzite is an essentially uniform quartzite, medium to dark grey in colour but in most places light grey to bone white on weathered surfaces. The formation in places has thin interbeds of dark slaty material which increase in number toward the Yankee Belle and Midas contacts. At its base the quartzite in several places show a noticeable coarsening to gritty material or to a pea-pebble conglomerate. The coarse material is cross-bedded with a small angle of truncation of the beds. It is possible that the cross-bedding is more widespread but is masked by the general silicification that the formation has undergone. In some places the rock appears almost like vein quartz. At Yanks Peak the formation is crossed by numerous smoky-grey quartz stringers like those in the underlying Yankee Belle formation.

ii) Rocks classified as "Midas" formation consist of variably carbonaceous shales, siltstones and fine sandstones and are characterized by their general dark grey to black colour. Variable quantities of brown-weathering ankeritic carbonate metacrysts and cubic pyrite are commonly present.

Major outcrop areas of "Midas" lithologies were encountered; a) in an arcuate belt around the east side of Yanks Peak which appears to pinch out about 2 kms south of French Snowshoe Creek, and b) as tectonic or stratigraphic intercalations of various sizes within larger areas of "Snowshoe" lithology. Because of poor outcrop and lack of facing directions, it is uncertain whether the distribution of "Midas" lithologies is due to folding as suggested by Holland or simply reflects stratigraphic occurrences of lenses of "Midas" within the "Snowshoe".

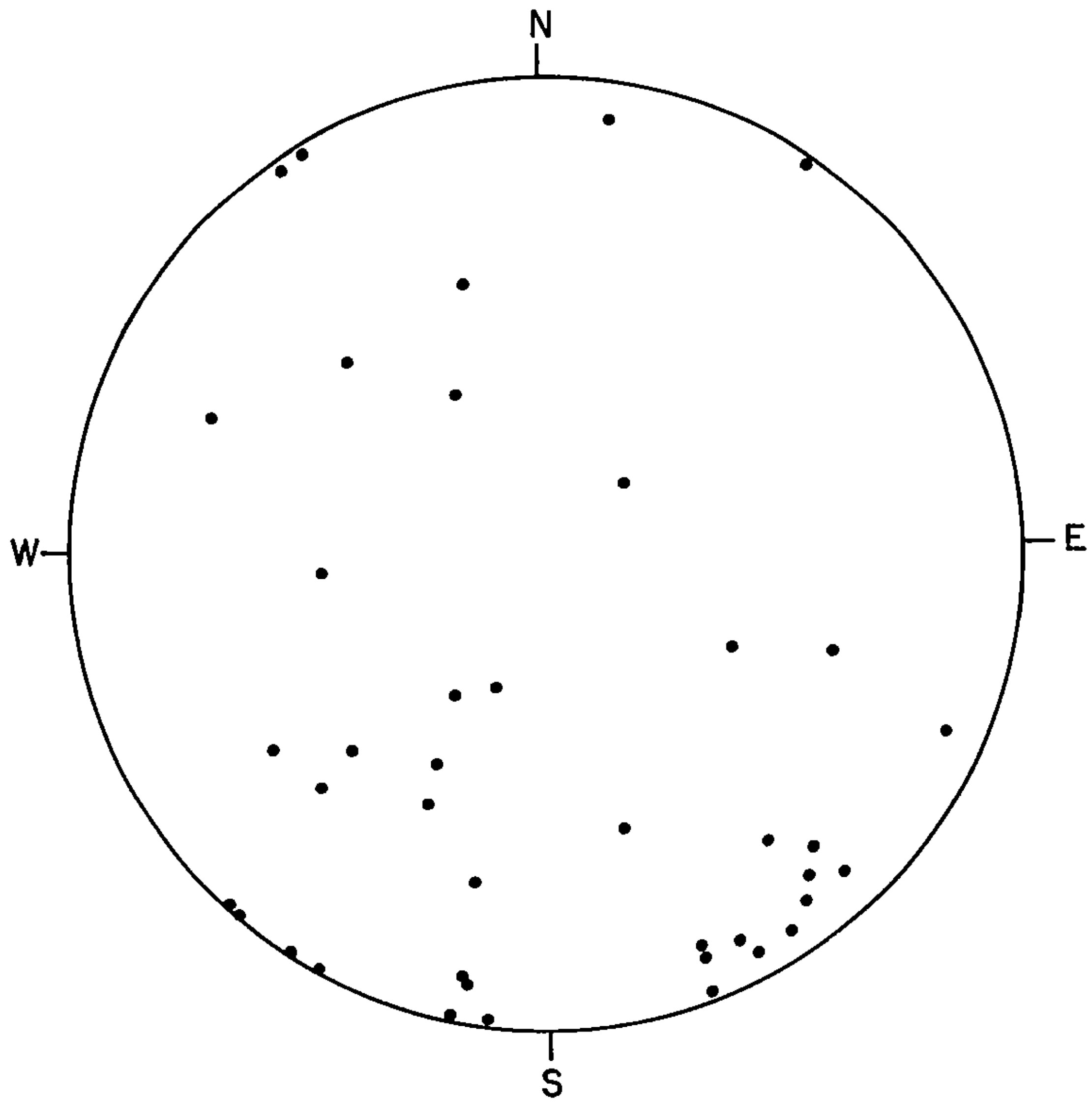
iii) "Snowshoe" formation lithologies, consisting of fine to medium grained arkosic sandstones with rare beds of pebble conglomerate, are interpreted to underlie most of the property. Disseminated anhedral pyrite and rusty weathering ankeritic carbonate are common but not to the same extent as in "Midas" formation rocks. Best exposures of these rocks occur in a belt trending northeast-southwest through claims Au 12, 16, 17, 18 and 19. Outcrop on the southern half of the claim block is poor, even in deeply incised streams.

iv) Limestone: Only three exposures of sedimentary carbonate were mapped on the claims. Two of these, on claims Au 12 and 17, appear as thin interbeds within typical "Snowshoe" sandstones but may occur at approximately the same stratigraphic horizon. The third exposure is in an area of very limited outcrop in claim Au 1.

v) Felsic intrusions: Two small exposures of fine grained felsite were mapped on claim Au 16. Whether these represent sills or dykes could not be determined.

vi) Quartz + Carbonate Veins: Veins of various sizes and consisting of various proportions of quartz and ankeritic carbonate are ubiquitous throughout the claim block and are present in all formations. There appears to be no preferred orientation for these veins except for a concentration that strikes N60°E and has sub-vertical to vertical dips. Fig. 4 shows a graphic presentation of poles to quartz veins.

Small quantities of pyrite are commonly present in these veins, galena is less abundantly present while sphalerite in trace quantities is only sporadically present. Visible gold was not noted in any quartz vein examined. There appears to be no correlation of anomalous gold content with vein orientation nor with sulphide content of quartz veins.




AU CLAIMS

STEREOGRAM OF POLES TO QUARTZ VEINS

CARIBOO PROJECT

BRITISH COLUMBIA

FIGURE 4

C. Structure

Because of the generally poor exposure and lack of good marker horizons, the structure of the claim block is not interpretable in any detail. Observations suggest that bedding is essentially parallel to a well-developed N30$^{o}$W trending foliation. A major antiformal structure which traverses the claim block parallel to this foliation is generally upright in character and may correspond to the Lightning Creek Axis of Sutherland-Brown (1957). Numerous local reversals of attitude probably correspond to minor, subsidiary, folds on the flanks of this major structural feature. Attitudes of minor folds suggest a gentle 10-15$^{o}$ plunge to the northwest.

Major faulting was not observed, but a possible 1 km left-lateral offset in the position of the Lightning Creek antiformal structure suggests that a major northeast-southwest cross fault may exist.

## III. ROCK GEOCHEMISTRY

During the course of mapping, 224 rock chip samples of quartz veins and the various formational units were collected and analysed for gold and arsenic. Of these, 57 samples were also analysed for silver and tungsten. All analytical work was performed by:

Kamloops Research and Assay
2095 West TransCanada Highway
Kamloops, British Columbia
V1S 1A7

Results and analytical methods are compiled as Appendix 1 and the results shown on Figures 3a and 3b. Descriptions of the various samples are compiled as Appendix 2.

Emphasis was placed on evaluation of quartz veins and upon sulphide bearing specimens of the various host lithologies. Samples which returned assays of 50 ppb gold or greater are considered anomalous. Clusters of such anomalous samples or isolated samples assaying greater than 100 ppb gold may be worthy of follow-up. Areas identified as such are:

1. A cluster of samples with values up to 200 ppb located in claims Au 10 and 13 around the switchbacks at Snarlberg.

2. A group of samples with values up to 350 ppb scattered throughout the west half of Claim Au 3.

3. An isolated erratic quartz vein sample from Pine Creek in Claim Au 6 which assayed 5020 ppb.

4. A cluster of samples assaying up to 100 ppb from the rock gorge in French Snowshoe Creek below Snarlberg in Claim Au 10.

5. Isolated values of 570 ppb in claim Au 18, 620 ppb in claim Au 16, and 130 ppb in Au 5.

6. A cluster of values up to 1000 ppb from the detail area in the south half of claim Au 17.

All samples were analysed for arsenic to determine if it could be used as a pathfinder element. Arsenides were not identified in the field and the highest assay value obtained was 100 ppm. No obvious correlation exists between gold and arsenic assays and it is concluded that arsenic does not act as a useful pathfinder in this area.

Samples were randomly selected for silver and tungsten analysis. A cluster of anomalous silver assays ($Ag > 1.0$ ppm) occurs in the area around Snarlberg and appears to coincide with an area of galena bearing quartz veins. Tungsten values were all below the detection limit of 4 ppm. The coincidence of anomalous gold and silver values in the area around Snarlberg suggests that silver might be a useful indicator element.

## IV. CONCLUSIONS

Reconnaissance geological surveys and rock chip sampling on the Au 1-19 claims during the 1981 field season has produced the following results and observations:

1. Numerous rock chip gold anomalies with values up to 5020 ppb were outlined which may be worthy of additional work.

2. Most of these anomalies are associated with quartz ± ankerite veins in "Midas" or "Snowshoe" formation lithologies. Most veins are sulphide-free. When present, pyrite is usually the most common followed by galena and rarely by sphalerite.

   Weak gold anomalies are present in pyritic host lithologies.

3. Arsenic, silver and tungsten were evaluated as pathfinder elements for gold. There is no correlation between gold and either arsenic or tungsten. One area in claims Au 10 and 13 showed a spatial relationship between gold and silver, probably caused by the presence of gold in galena bearing quartz-ankerite veins.

4. Because of the generally poor outcrop, a combination of soil geochemistry, humus geochemistry and drift prospecting is suggested as the most suitable approach for the next stage of exploration.

# ITEMIZED COST STATEMENTS

Note: Costs for labour, personnel expenses, report preparation and miscellaneous costs are itemized below for the entire Au 1-19 claim block. They have then been distributed between the "Au North", "Au Centre" and "Au South" groups on the basis of the percentage of man-days worked in each group as follows:

| | |
|---|---|
| Au North | 33.8% |
| Au Centre | 27.6% |
| Au South | 29.4% |
| Other | 9.2% |

## Labour

| | | |
|---|---|---|
| E. Pattison | Aug. 7-17; 11 days @ 216 | 2,376 |
| T. Jones | July 2,3,7,9,14, 24-31, Aug. 1, 5-9, 11-14, 25 days @ 145 | 3,625 |
| S. Simigian | July 1-5, 7,9,14, 24-31, Aug. 1-17; 33 days @ 90 | 2,970 |
| C. Dionne | July 1-5, 7,9,14, 24-31, Aug. 1-17; 30 days @ 71 | 2,130 |
| D. Mossey | Aug. 1-17; 17 days @ 63 | 1,071 |
| S. Harrigan | Aug. 1-17; 17 days @ 85 | 1,445 |
| D. Magnuson | July 1-5, 7, 24-31, Aug. 1-9, 11-17; 30 days @ 60 | 1,800 |
| | 163 man days | 15,417 |

## Personnel Expenses

| | |
|---|---|
| Food and allied expenses - 163 man days @ 10.30 | 1,680 |

## Miscellaneous Exploration Costs

| | |
|---|---|
| Equipment and Supplies | 1,651 |
| Communications Expense | 400 |
| Freight | 211 |

## Report Preparation

| | | |
|---|---|---|
| Report writing; | E. Pattison - 10 days @ 216 | 2,160 |
| Drafting: | H. Humphreys- 10 days @ 66 | 660 |

## Au North (Claims Au 12, 16, 17, 18, 19) (68 units)

**Labour**

| | | | |
|---|---|---|---|
| 33.8% of 15,417 | | | 5,210 |

**Personnel Expenses**

| | | | |
|---|---|---|---|
| 33.8% of 1,680 | | | 568 |

**Miscellaneous Expenses**

| | | | |
|---|---|---|---|
| Expl. Equipment & Supplies | 33.8% of 1,651 | 558 | |
| Communications Expense | 33.8% of 400 | 135 | |
| Freight | 33.8% of 211 | 71 | |
| | | 764 | 764 |

**Report Preparation**

| | | | |
|---|---|---|---|
| Report writing - E. F. Pattison | - 33.8% of 2,160 | 730 | |
| Drafting - H. Humphreys | - 33.8% of 660 | 223 | |
| | | 953 | 953 |

**Transport**

| | | | |
|---|---|---|---|
| Helicopter Bell 206, 1.0 hrs. @ 480 (incl. fuel) | | 480 | |
| Fixed Wing 1.4 hrs. @ 194 (incl. fuel) | | 213 | |
| Trucks & Fuel | | 767 | |
| | | 1,460 | 1,460 |

**Analytical Expenses**

| | | | |
|---|---|---|---|
| Sample preparation | 99 @ 2.50 | 247 | |
| Au Geochem | 99 @ 5.25 | 520 | |
| As Geochem | 99 @ 3.00 | 297 | |
| Ag Geochem | 19 @ 1.75 | 33 | |
| W Geochem | 19 @ 4.00 | 76 | |
| | | 1,173 | 1,173 |

| | | | |
|---|---|---|---|
| Total Expenditure Au North Group | | | 10,128 |

## Au Centre (Claims Au 7, 8, 10, 11, 13) (88 Units)

### Labour

| | | | |
|---|---|---|---|
| 27.6% of 15,417 | | | 4,255 |

### Personnel Expenses

| | | | |
|---|---|---|---|
| 27.6% of 1,680 | | | 464 |

### Miscellaneous Expenses

| | | | |
|---|---|---|---|
| Expl. Equipment & Supplies | 27.6% of 1,651 | 465 | |
| Communications Expense | 27.6% of 400 | 110 | |
| Freight | 27.6% of 211 | 58 | |
| | | 633 | 633 |

### Report Preparation

| | | | |
|---|---|---|---|
| Report Writing - E.F. Pattison - | 27.6% of 2,160 | 596 | |
| Drafting - H. Humphreys | 27.6% of 660 | 182 | |
| | | 778 | 778 |

### Transport

| | | |
|---|---|---|
| Helicopter Bell 206, 2.1 hrs. @ 480 (incl. Fuel) | 1,008 | |
| Fixed Wing, 1.1 hrs. @ 194 (incl. fuel) | 213 | |
| Trucks and Fuel | 627 | |
| | 1,848 | 1,848 |

### Analytical Expenses

| | | | |
|---|---|---|---|
| Sample preparation | 66 @ 2.50 | 165 | |
| Au Geochem | 66 @ 5.25 | 346 | |
| As Geochem | 66 @ 3.00 | 198 | |
| Ag Geochem | 18 @ 1.75 | 31 | |
| W Geochem | 18 @ 4.00 | 72 | |
| | | 812 | 812 |

| | |
|---|---|
| Total Expenses Au Centre Group | 8,790 |

Au South (Claims Au 1, 2, 3, 5, 6) (95 units)

| | | | |
|---|---|---|---|
| **Labour** | | | |
| 29.4% of 15,417 | | | 4,533 |
| **Personnel Expenses** | | | |
| 29.4% of 1,680 | | | 494 |
| **Miscellaneous Expenses** | | | |
| Expl. Equipment & Supplies | 29.4% of 1,651 | 485 | |
| Communications Expense | 29.4% of 400 | 118 | |
| Freight | 29.4% of 211 | 62 | |
| | | 665 | 665 |
| **Report Preparation** | | | |
| Report Writing – E. F. Pattison | 29.4% of 2,160 | 635 | |
| Drafting – H. Humphreys | 29.4% of | 194 | |
| | | 829 | 829 |
| **Transport** | | | |
| Helicopter Bell 206, 5.1 hrs. @ 480 (incl. fuel) | | 2,448 | |
| Fixed Wing 1.5 hrs. @ 194 (incl. fuel) | | 291 | |
| Trucks & Fuel | | 667 | |
| | | 3,406 | 3,406 |
| **Analytical Expenses** | | | |
| Sample Preparation | 22 @ 2.50 | 55 | |
| Au Geochem | 22 @ 5.25 | 115 | |
| As Geochem | 22 @ 3.00 | 66 | |
| Ag Geochem | 6 @ 1.75 | 10 | |
| W Geochem | 6 @ 4.00 | 24 | |
| | | 270 | 270 |
| Total Expenditure Au South Group | | | 10,197 |

## Other Expenditures on Au Claims

| | | | |
|---|---|---|---|
| **Labour** | | | |
| 9.2% of 15,417 | | | 418 |
| **Personnel** | | | |
| 9.2% of 1,680 | | | 155 |
| **Miscellaneous Expenses** | | | |
| Expl. Equipment and Supplies | 9.2% of 1,651 | 152 | |
| Communications Expense | 9.2% of 400 | 37 | |
| Freight | 9.2% of 211 | 19 | |
| | | 208 | 208 |
| **Report Preparation** | | | |
| Report writing | 9.2% of 2,160 | 199 | |
| Drafting | 9.2% of 660 | 61 | |
| | | 260 | 260 |
| **Transport** | | | |
| Trucks | | | 209 |
| **Analytical Expenses** | | | |
| Sample Preparation | 38 @ 2.50 | 95 | |
| Au Geochem | 38 @ 5.25 | 147 | |
| As Geochem | 38 @ 3.00 | 114 | |
| Ag Geochem | 18 @ 1.75 | 31 | |
| W Geochem | 18 @ 4.00 | 72 | |
| | | 459 | 459 |
| Total Other Expenses on Au Claims | | | 2,709 |

| | |
|---|---|
| Au North | 10,128 |
| Au Centre | 8,790 |
| Au South | 10,197 |
| Other | 2,709 |

TOTAL: 31,824

## REFERENCES

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Lang, A. H. (1936); Preliminary Report, Keithley Creek Map Area, Cariboo District, British Columbia. G.S.C. Paper 36-15.

Struik, L. C. (1981); G.S.C. Open File Map 781.

Struik, L. C. (1981); A re-examination of the type area of the Devono-Mississippian Cariboo Orogeny, Central British Columbia. Canadian Journal of Earth Science, V. 18, No. 12, pp. 1767-1775.

Sutherland-Brown, A., (1957); Geology of the Antler Creek Area, Cariboo District, British Columbia. B.C. Department of Mines, Bulletin 38.

# CERTIFICATE

I, Edward F. Pattison, of Naughton, Ontario, do hereby certify that:

1. I am a Fellow of the Geological Association of Canada and a Member of the Mineralogical Association of Canada.

2. I am a graduate of McGill University, Montreal, P.Q. B.Sc. 1963, M.Sc. 1965 (Geological Sciences).

3. I have practiced my profession as an exploration geologist since 1968.

4. This report is based on my personal knowledge of the district, and my direct supervision of the work described in this report.

Edward F. Pattison
February 10, 1982

# APPENDIX 1

## ROCK CHIP GEOCHEMICAL ASSAY RESULTS

KAMLOOPS
RESEARCH & ASSAY
LABORATORY LTD.

B.C. CERTIFIED ASSAYERS

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C.
V1S 1A7
PHONE: (604) 372-2784 — TELEX: 048-8320

# GEOCHEMICAL LAB REPORT

Canadian Nickel Company Ltd.
80 - 10551 Shellbridge Way
Richmond, B.C.
V6X 2W8

DATE November 19, 1981

ANALYST

FILE NO. G-588

CARIBOO PROJECT - Au CLAIMS

| KRAL NO. | IDENTIFICATION | ppb Au | ppm As | | KRAL NO. | IDENTIFICATION | ppb Au | ppm As | |
|---|---|---|---|---|---|---|---|---|---|
| 6 | 030306 | 15 | 100 | | | | | | |
| 7 | 030307 | 5 | 5 | | | | | | |
| 8 | 030308 | 10 | 14 | | | | | | |
| 9 | 030309 | 15 | 10 | | | | | | |
| 10 | RX 030310 | 20 | 7 | | | | | | |
| 1 | RX030311 | 40 | 4 | Au | 31 | RX037283 | 20 | 3 | Au |
| 2 | RX030312 | 35 | 8 | | 32 | RX037284 | 15 | 4 | |
| 3 | RX030313 | 5 | 8 | | 33 | RX037285 | 20 | 2 | |
| 4 | RX030314 | 20 | 11 | | 34 | RX037286 | 20 | 3 | |
| 5 | RX030315 | 5 | 28 | | 35 | RX037287 | 10 | 7 | |
| 6 | RX030316 | 15 | 11 | | 36 | RX037288 | 15 | 3 | |
| 7 | RX030317 | L5 | 5 | | 37 | RX037289 | 25 | L2 | |
| 8 | RX030318 | 5 | 7 | | 38 | RX037290 | 1000 | 9 | |
| 9 | RX030319 | 10 | 12 | | 39 | RX037291 | 35 | 3 | |
| 10 | RX030320 | 15 | 4 | | 40 | RX037292 | 5 | 8 | |
| 11 | RX030321 | 15 | 7 | | 41 | RX037293 | 5 | 3 | |
| 12 | RX030322 | L5 | 3 | | 42 | RX037294 | L5 | 3 | |
| 13 | RX030323 | 15 | 3 | | 43 | RX037295 | 15 | 5 | |
| 14 | RX030324 | 15 | 3 | | 44 | RX037296 | 65 | 3 | |
| 15 | RX030325 | 5 | 4 | | 45 | RX037297 | 340 | 4 | |
| 16 | RX030326 | 15 | 4 | | 46 | RX037298 | 35 | 5 | |
| 17 | RX030327 | L5 | 7 | | 47 | RX037299 | 30 | 3 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 38 | 037234 | 30 | 2 | | | | | | |
| 39 | 037235 | 30 | 2 | | | | | | |
| 40 | 037236 | 15 | 3 | | | | | | |
| 41 | 037237 | 20 | 23 | | | | | | |
| 42 | 037238 | 25 | 6 | | | | | | |
| 43 | 037239 | 30 | 3 | | | | | | |
| 44 | RX 037240 | 30 | 5 | | | | | | |
| 45 | 037241 | 30 | 4 | | | | | | |
| 46 | 037242 | 45 | L2 | | | | | | |
| 47 | 037243 | 25 | 2 | | | | | | |
| 48 | 037244 | 20 | 10 | | | | | | |
| 49 | 037245 | 30 | 3 | | | | | | |
| 50 | 037246 | 15 | L2 | | | | | | |
| 51 | 037247 | 30 | L2 | | | | | | |
| 52 | 037248 | 620 | L2 | | | | | | |
| 53 | 037249 | 10 | 3 | | | | | | |
| 54 | RX 037250 | 5 | 5 | | | | | | |
| 55 | 037251 | 60 | 7 | | | | | | |
| 56 | 037252 | 40 | 3 | | | | | | |
| 57 | 037253 | 40 | L2 | | | | | | |
| 58 | 037254 | 35 | 8 | | | | | | |
| 59 | 037255 | 10 | L2 | | | | | | |
| 60 | 037256 | 25 | L2 | | | | | | |
| 23 | RX 30333 | 20 | – | – | 4 | | | | |
| 24 | RX 30334 | 15 | – | – | 10 | | | | |
| 25 | RX 30335 | 20 | – | – | 10 | | | | |
| 26 | RX 30336 | 30 | – | – | 60 | | | | |
| 27 | RX 30337 | 20 | – | – | 2 | | | | |
| 28 | RX 30338 | 20 | – | – | 90 | | | | |
| 29 | RX 30339 | 30 | – | – | 4 | | | | |
| 30 | RX 30340 | 20 | – | – | L2 | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 61 | RX 037257 | 15 | – | – | 3 | | | | |
| 62 | 037258 | 15 | – | – | L2 | | | | |
| 63 | 037259 | 45 | – | – | 3 | | | | |
| 64 | RX 037260 | 45 | – | – | 14 | | | | |
| 65 | 037261 | 40 | – | – | 3 | | | | |
| 66 | 037262 | 45 | – | – | 2 | | | | |
| 67 | 037263 | 35 | – | – | 4 | | | | |
| 68 | 037264 | 30 | – | – | 3 | | | | |
| 69 | 037265 | 45 | – | – | 3 | | | | |
| 70 | 037266 | 35 | – | – | 2 | | | | |
| 71 | 037267 | 40 | – | – | 3 | | | | |
| 72 | 037268 | 40 | – | – | 6 | | | | |
| 73 | 037269 | 35 | – | – | 3 | | | | |
| 74 | RX 037270 | 25 | – | – | 4 | | | | |
| 75 | 037271 | 25 | – | – | 3 | | | | |
| 76 | 037272 | 40 | – | – | 3 | | | | |
| 77 | 037273 | 45 | – | – | 3 | | | | |
| 78 | RX 037274 | 35 | – | – | L2 | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 18 | RX030328 | 10 | 6 | | 48 | RX037300 | 35 | 3 | |
| 19 | RX030329 | 10 | 11 | | 49 | RX042462 | 90 | 5 | |
| 20 | RX030330 | 570 | 76 | | 50 | RX042463 | 20 | 7 | |
| 21 | RX030331 | 10 | 43 | | 51 | RX042464 | 15 | 8 | |
| 22 | RX030332 | 20 | 10 | | 52 | RX042465 | 10 | 2 | |
| 23 | RX037275 | 20 | 20 | | 53 | RX042466 | 15 | 8 | |
| 24 | RX037276 | 25 | 6 | | 54 | RX042467 | 10 | 3 | |
| 25 | RX037277 | 10 | L2 | | 55 | RX042468 | 105 | 54 | |
| 26 | RX037278 | 20 | 8 | | 56 | RX042469 | 110 | 20 | |
| 27 | RX037279 | 25 | 5 | | 57 | RX042470 | 50 | 7 | |
| 28 | RX037280 | 25 | 3 | | 58 | RX042471 | 45 | 5 | |
| 29 | RX037281 | 15 | 3 | | 59 | RX042472 | 25 | 15 | |
| 30 | RX037282 | 20 | 4 | | 60 | RX042473 | 180 | 9 | |

| NO. | IDENTIFICATION | Au | As | |
|---|---|---|---|---|
| 91 | RX 37363 | 30 | 2 | |
| 92 | RX 37364 | 40 | L2 | |
| 93 | RX 37365 | 40 | L2 | |
| 94 | RX 37366 | 20 | L2 | |
| 95 | RX 37367 | 40 | L2 | |
| 96 | RX 37368 | 30 | 2 | |
| 97 | RX 37369 | 20 | L2 | |
| 98 | RX 37370 | 30 | L2 | |
| 99 | RX 37371 | 20 | L2 | |
| 100 | RX 37372 | 30 | L2 | |
| 101 | RX 37373 | 40 | 2 | |
| 102 | RX 42480 | 30 | 3 | |
| 103 | RX 42481 | 20 | 4 | |
| 104 | RX 42482 | 5020 | 3 | |
| 105 | RX 42483 | 60 | 3 | |
| 10[illegible] | RX 42484 | 40 | 3 | |
| 107 | RX 42485 | NES | NES | |
| 108 | RX 42486 | 130 | 4 | |
| 109 | RX 42487 | 50 | 5 | |
| 110 | RX 42488 | 40 | 5 | |
| 111 | RX 42489 | NES | NES | |
| 112 | RX 42490 | 350 | 8 | |
| 113 | RX 42491 | 70 | 8 | |
| 114 | RX 42492 | 50 | 7 | |
| 115 | RX 42493 | 40 | 5 | |
| 116 | RX 42494 | 30 | 4 | |
| 117 | RX 42495 | 40 | 4 | |
| 118 | RX 42496 | 40 | 3 | |
| 119 | RX 42497 | 40 | 10 | |
| 120 | RX 42498 | NES | NES | |

| NO. | IDENTIFICATION | Au | As | |
|---|---|---|---|---|
| 121 | RX 42499 | 20 | 9 | |
| 122 | RX 42500 | 40 | 9 | |

Au Method: -80 Mesh
Fire Assay
Atomic Absorption

Ag, Pb Method: -80 Mesh
Hot Acid Extraction
Atomic Absorption

As Method: -80 Mesh
Acid Extraction
Colourimetric Pyridine

L means "Less than"

NES means "Not Enough Sample"

| | | AU | AS | | | | AU | AS | |
|---|---|---|---|---|---|---|---|---|---|
| 31 | RX 30341 | 20 | L2 | | 61 | RX 37326 | 80 | L2 | |
| 32 | RX 30342 | 20 | 14 | | 62 | RX 37327 | 60 | 2 | |
| 33 | RX 30343 | 20 | 8 | | 63 | RX 37328 | 80 | 2 | |
| 34 | RX 30344 | 20 | 4 | | 64 | RX 37329 | 100 | 7 | |
| 35 | RX 30345 | 20 | 2 | | 65 | RX 37330 | 80 | 2 | |
| 36 | RX 30346 | 30 | L2 | | 66 | RX 37331 | 60 | L2 | |
| 37 | RX 30347 | 30 | 6 | | 67 | RX 37332 | 60 | 7 | |
| 38 | RX 30348 | 10 | 8 | | 68 | RX 37333 | G10,000 | 9 | *.66 oz/ |
| 39 | RX 30349 | 15 | 2 | | 69 | RX 37341 | 200 | L2 | |
| 40 | RX 30350 | 50 | 6 | | 70 | RX 37342 | 120 | L2 | |
| 41 | RX 30351 | 50 | L2 | | 71 | RX 37343 | 80 | 32 | |
| 42 | RX 30352 | 70 | 2 | | 72 | RX 37344 | 200 | 8 | |
| 43 | RX 37308 | 60 | 7 | | 73 | RX 37345 | 80 | 50 | |
| 44 | RX 37309 | 60 | 28 | | 74 | RX 37346 | 80 | 6 | |
| 45 | RX 37310 | 80 | 4 | | 75 | RX 37347 | 80 | 2 | |
| 46 | RX 37311 | 40 | 2 | | 76 | RX 37348 | 60 | L2 | |
| 47 | RX 37312 | 80 | 100 | | 77 | RX 37349 | 50 | L2 | |
| 48 | RX 37313 | 100 | 4 | | 78 | RX 37350 | 80 | 6 | |
| 49 | RX 37314 | 40 | 7 | | 79 | RX 37351 | 1230 | 46 | |
| 50 | RX 37315 | 60 | 7 | | 80 | RX 37352 | 50 | 2 | |
| 51 | RX 37316 | 60 | 30 | | 81 | RX 37353 | 40 | 60 | |
| 52 | RX 37317 | 80 | 30 | | 82 | RX 37354 | 40 | 12 | |
| 53 | RX 37318 | 80 | L2 | | 83 | RX 37355 | 30 | 2 | |
| 54 | RX 37319 | 40 | L2 | | 84 | RX 37356 | 30 | 8 | |
| 55 | RX 37320 | 40 | 7 | | 85 | RX 37357 | 40 | L2 | |
| 56 | RX 37321 | 40 | 8 | | 86 | RX 37358 | 40 | 2 | |
| 57 | RX 37322 | 60 | L2 | | 87 | RX 37359 | 30 | 4 | |
| 58 | RX 37323 | 60 | 35 | | 88 | RX 37360 | 30 | 7 | |
| 59 | RX 37324 | 60 | 2 | | 89 | RX 37361 | 40 | L2 | |
| 60 | RX 37325 | 20 | L2 | | 90 | RX 37362 | 40 | L2 | |

| | | Au | As |
|---|---|---|---|
| 61 | RX042474 | 15 | 4 |
| 62 | RX042475 | 40 | 4 |
| 63 | RX042476 | 20 | 5 |
| 64 | RX042477 | 30 | 2 |
| 65 | RX042478 | 15 | 7 |
| 66 | RX037301 | 20 | 3 |
| 67 | RX037302 | 120 | 10 |
| 68 | RX037303 | 15 | 3 |
| 69 | RX037304 | 15 | 3 |
| 70 | RX037305 | 75 | 4 |
| 71 | RX037307 | 35 | 5 |
| 102 | 042443 | 35 | 4 |
| 103 | 042444 | 95 | 6 |
| 104 | 042445 | 45 | L2 |
| 105 | 042446 | 25 | 3 |
| 106 | 042447 | 35 | 3 |
| 107 | 042448 | 330 | 2 |
| 108 | 042449 *oz/T | .86* | 29 |
| 109 | RX 042450 | 1800 | 13 |
| 110 | 042451 | 70 | 3 |
| 111 | 042452 | 260 | 3 |
| 112 | 042453 | 25 | 2 |
| 113 | 042454 | 25 | 22 |
| 114 | 042455 | 20 | 4 |
| 115 | 042456 | 15 | 4 |
| 116 | 042457 | 20 | L2 |
| 117 | 042458 | 50 | 23 |
| 118 | 042459 | 35 | 4 |
| 119 | RX 042460 | 35 | 10 |
| 120 | 042461 | 20 | 5 |

Au Method: -80 Mesh
Fire Assay
Atomic Absorption

As Method: -80 Mesh
Acid Extraction
Colourimetric Pyridine

L means "Less than"

| ANAL NO | IDENTIFICATION | Ag ppm | W ppm |
|---|---|---|---|
| 3 | RX030306 | .3 | L4 |
| 4 | RX030310 | .3 | L4 |
| 5 | RX030332 | .4 | L4 |
| 6 | RX030337 | .4 | L4 |
| 7 | RX030342 | .6 | L4 |
| 8 | RX030347 | .3 | L4 |
| 9 | RX030352 | .7 | L4 |
| 17 | RX037234 | .2 | L4 |
| 18 | RX037239 | .3 | L4 |
| 19 | RX037244 | .3 | L4 |
| 20 | RX037248 | .2 | L4 |
| 21 | RX037253 | .4 | L4 |
| 22 | RX037259 | .1 | L4 |
| 23 | RX037264 | .1 | L4 |
| 24 | RX037269 | .3 | L4 |
| 25 | RX037274 | .1 | L4 |
| 26 | RX037279 | .2 | L4 |
| 27 | RX037284 | .1 | L4 |
| 28 | RX037290 | .2 | L4 |
| 29 | RX037297 | .3 | L4 |
| 30 | RX037302 | .2 | L4 |
| 31 | RX037308 | .8 | L4 |
| 32 | RX037313 | 1.4 | L4 |
| 33 | RX037318 | .2 | L4 |
| 34 | RX037323 | 1.4 | L4 |
| 35 | RX037328 | .3 | L4 |
| 36 | RX037330 | 2.0 | L4 |
| 37 | RX037333 | 110.0 | L4 |
| 38 | RX037341 | .8 | L4 |
| 39 | RX037342 | 40.0 | L4 |
| 40 | RX037343 | 2.2 | L4 |
| 41 | RX037344 | 10.7 | L4 |
| 42 | RX037345 | 2.2 | L4 |
| 43 | RX037346 | .7 | L4 |
| 44 | RX037347 | 3.4 | L4 |
| 45 | RX037348 | .2 | L4 |
| 46 | RX037349 | .1 | L4 |
| 47 | RX037350 | .1 | L4 |
| 48 | RX037351 | .9 | L4 |
| 49 | RX037352 | .2 | L4 |
| 50 | RX037353 | 1.2 | L4 |
| 51 | RX037354 | .5 | L4 |
| 52 | RX037359 | .2 | L4 |
| 53 | RX037364 | .1 | L4 |
| 54 | RX037369 | .8 | L4 |
| 55 | RX037373 | .4 | L4 |

| NO | IDENTIFICATION | Ag ppm | W ppm | | |
|---|---|---|---|---|---|
| 62 | RX042444 | .4 | L4 | | |
| 63 | RX042448 | 1.1 | L4 | | |
| 64 | RX042449 | 10.3 | L4 | | |
| 65 | RX042450 | .7 | L4 | | |
| 66 | RX042452 | .4 | L4 | | |
| 67 | RX042457 | .3 | L4 | | |
| 68 | RX042462 | .7 | L4 | | |
| 69 | RX042467 | .2 | L4 | | |
| 70 | RX042473 | .2 | L4 | | |
| 71 | RX042478 | .2 | L4 | | |
| 72 | RX042482 | .3 | L4 | | |
| 73 | RX042487 | .2 | L4 | | |
| 74 | RX042490 | .2 | L4 | | |
| 75 | RX042495 | .3 | L4 | | |
| 76 | RX042500 | .3 | L4 | | |

Ag Method: -80 Mesh
Hot Acid Extraction
Atomic Absorption

W Method: -80 Mesh
Fusion
Colourimetric

# APPENDIX 2

## ROCK CHIP SAMPLE DESCRIPTIONS

TRAVERSE NUMBER

N.T.S.

PROJECT CARIBOO PM's

AREA Au CLAIMS

GEOLOGIST(S) Sandra Simigian

DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE RX Rock, Talus | SX Stream Silt, Soil | Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and/or U.T.M. | SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (p.p.m. / % /oz. per ton) Au ppb | As ppm | Ag ppm | W ppm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RX037304 | Otcp. | | grab | | | qtz vein 4 m wide swarm bearing 63° | 15 | 3 | | | | |
| 305 | " | | " | | | qtz vein in sandstone | 75 | 4 | | | | |
| RX030311 | " | | " | | | qtz vein 1 m wide bearing 45° | 40 | 4 | | | | |
| 312 | " | | " | | | qtz vein 1 1/2 m wide bearing 58° | 35 | 8 | | | | |
| 313 | " | | " | | | 2 m wide vein bearing 82° | 5 | 8 | | | | |
| 314 | " | | " | | | qtz area 30 cm boulders | 20 | 11 | | | | |
| 315 | " | | " | | | o/c of qtz bearing 10° 1 m wide | 5 | 28 | | | | |
| 316 | " | | " | | | qtz vein bearing 56° 1 1/2 m wide | 15 | 11 | | | | |
| 317 | " | | " | | | 20 cm wide qtz vein bearing 58° | <5 | 5 | | | | |
| 318 | " | | " | | | qtz vein bearing 134° 1 m wide | 5 | 7 | | | | |
| 319 | " | | " | | | 15 m trench bearing 100° | 10 | 12 | | | | |
| 320 | " | | " | | | qtz vein bearing 90° 2 m wide | 15 | 4 | | | | |
| 321 | " | | " | | | 2 m wide trench w qtz lots of gossan | 15 | 7 | | | | |
| 322 | " | | " | | | 4 cm wide qtz vein | <5 | 3 | | | | |
| 323 | " | | " | | | qtz vein in sandstone | 15 | 3 | | | | |
| RX030333 | " | | " | | | qtz layer bearing 125°/vert | 20 | 4 | | | | |
| 334 | " | | " | | | 4 cm qtz vein in boulder | 15 | 10 | | | | |
| 335 | " | | " | | | qtz vein boulder w vugs of gossan | 20 | 10 | | | | |
| 336 | " | | " | | | 2 m wide qtzy breccia | 30 | 60 | .4 | <4 | | |
| 337 | " | | " | | | qtz boulder w gossaned vugs | 20 | 2 | | | | |
| 338 | " | | " | | | qtz boulder w gossan & py | 20 | 90 | | | | |
| 339 | " | | " | | | qtz boulder w gossaned vugs | 30 | 4 | | | | |
| 340 | " | | " | | | lense of bluish qtz w 40% gossan | 20 | <2 | | | | |
| RX030347 | " | | " | | | sandstone w gossaned layers | 30 | 6 | .3 | <4 | | |
| RX037308 | " | | " | | | qtz boulders in black slate | 60 | 7 | .8 | <4 | | |
| 309 | " | | " | | | qtz boulder some rusty patches | 60 | 28 | | | | |
| 310 | " | | " | | | qtz voulders w lineated gossan | 80 | 4 | | | | |
| 311 | " | | " | | | 1/2 m boulder of qtz (white) gossan | 40 | 2 | | | | |
| 312 | " | | " | | | boulder of 80% gossaned sandstone | 80 | 100 | | | | |
| RX037367 | " | | " | | | 4 cm wide qtz vein | 40 | <2 | | | | |
| RX037313 | " | | " | | | qtz vein bearing 152/vert - 4 cm | 100 | 4 | 1.4 | <4 | | |
| 314 | " | | " | | | lense of qtz in shale | 40 | 7 | | | | |
| 315 | " | | " | | | 62° qtz vein 4 cm - 2 cm wide | 60 | 7 | | | | |

TRAVERSE NUMBER ______ PROJECT CARIBOO PM's GEOLOGIST(S) Sandra Simigian

N.T.S. ______ AREA Au CLAIMS DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE RX Rock, Talus | SX Stream Silt, Soil | Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (p.p.m. / % /oz. per ton) Au ppb | As ppm | Ag ppm | W ppm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RX037247 | RX | | grab | | | 7 cm qtz vein w̄ gossanous vugs | 30 | <2 | | | | |
| 248 | " | | " | | | 5 cm qtz vein oriented 183° | 620 | <2 | .2 | <4 | | |
| 249 | " | | " | | | 4 cm qtz vein oriented 070% subvert | 10 | 3 | | | | |
| 250 | " | | " | | | 10 cm qtz. vein oriented 063% subvert | 5 | 5 | | | | |
| 251 | " | | " | | | 15 cm wide qtz boulders | 60 | 7 | | | | |
| 252 | " | | " | | | qtz. vein oriented 138°/60N | 40 | 3 | | | | |
| 253 | " | | " | | | 20 cm qtz boulder w̄ rusty staining | 40 | <2 | .4 | <4 | | |
| 254 | " | | " | | | 20 cm wide qtz boulders - quite rusty | 35 | 8 | | | | |
| 255 | " | | " | | | boulders of white qtz. - some gossan & stain | 10 | <2 | | | | |
| 256 | " | | " | | | 5 cm wide qtz vein 134% subvert | 25 | <2 | | | | |
| 257 | " | | " | | | 10 cm wide qtz vein 116°/60N rusty | 15 | 3 | | | | |
| 258 | " | | " | | | 10-15 cm wide qtz vein 120° vert | 15 | <2 | | | | |
| 259 | " | | " | | | qtz vein strikes 110° | 45 | 3 | .1 | <4 | | |
| 260 | " | | " | | | qtz lenses in qtz. ms schist | 45 | 14 | | | | |
| 261 | " | | " | | | 6 cm vein bearing 060°/subvert | 40 | 3 | | | | |
| 262 | " | | " | | | vein bearing 020/65N | 45 | 2 | | | | |
| 263 | " | | " | | | rusty qtz boulders | 35 | 4 | | | | |
| 264 | " | | " | | | 8 cm wide qtz vein bearing 176°/50NE | 30 | 3 | .1 | <4 | | |
| 265 | " | | " | | | 3 cm wide qtz vein | 45 | 3 | | | | |
| 266 | " | | " | | | 1 1/2 m qtz vein oriented 030°/vert | 35 | 2 | | | | |
| 267 | " | | " | | | 30 cm wide qtz vein oriented 24°/94W | 40 | 3 | | | | |
| RX042462 | " | | " | | | py possible sph in very rusty qtz | 90 | 5 | .7 | <4 | | |
| 463 | " | | " | | | white qtz a little rusty no visible py | 20 | 7 | | | | |
| 464 | " | | " | | | 1 m wide qtz vein bearing ~115° | 15 | 8 | | | | |
| 465 | " | | " | | | vein bearing 66° 1m wide with gossan | 10 | 2 | | | | |
| 466 | " | | " | | | vein bearing 67° 1m wide with gossan | 15 | 8 | | | | |
| 467 | " | | " | | | vein bearing 63° 1 1/2 m wide very rusty | 10 | 3 | .2 | <4 | | |
| 468 | " | | " | | | qtz vein 30-40 cm wide 066° strike | 105 | 54 | | | | |
| 469 | " | | " | | | 10 cm wide qtz boulder | 110 | 20 | | | | |
| 470 | " | | " | | | qtz vein and breccia | 50 | 7 | | | | |
| RX037301 | " | | " | | | 2 1/2 m qtz boulder in cg sandstone | 20 | 3 | | | | |
| 302 | " | | " | | | 2 1/2 m qtz vein bearing 053/75E | 120 | 10 | .2 | <4 | | |
| 303 | " | | " | | | 10 cm qtz boulders w̃ py | 15 | 3 | | | | |

TRAVERSE NUMBER ______ PROJECT CARIBOO PM's GEOLOGIST(S) Sandra Simigian

N.T.S. ______ AREA Au CLAIMS DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE: RX Rock, Talus | SAMPLE TYPE: SX Stream Silt, Soil | SAMPLE TYPE: Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (p.p.m. / % / oz. per ton): Au ppb | As ppm | Ag ppm | W ppm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RX037316 | Otcp. | | grab | | | 20 cm vein w py gossan | 60 | 30 | | | | | |
| 317 | " | | " | | | qtz vein bearing 97° w py | 80 | 30 | | | | | |
| 318 | " | | " | | | 1 1/2 wide vein 90/subvert | 80 | <2 | .2 | <4 | | | |
| 319 | " | | " | | | qtz vein 132/vert 4 cm wide | 40 | <2 | | | | | |
| 320 | " | | " | | | 15 cm wide vein 110°/34E (py) | 40 | 7 | | | | | |
| 321 | " | | " | | | qtz vein 56°/vert 6 cm wide | 40 | 8 | | | | | |
| 322 | " | | " | | | sandstone to gossaned patches | 60 | <2 | | | | | |
| 323 | " | | " | | | possible vein 46/9° NW all gossan | 60 | 35 | 1.4 | <4 | | | |
| 324 | " | | " | | | bluish qtz lenses 5 cm wide | 60 | 2 | | | | | |
| 325 | " | | " | | | bluish qtz lenses w py, gossan | 20 | <2 | | | | | |
| 326 | " | | " | | | 4 cm wide vein 142/vert | 80 | <2 | | | | | |
| 327 | " | | " | | | vein 50/vert 5 cm wide | 60 | 2 | | | | | |
| 328 | " | | " | | | 10 cm vein 103/70SE | 80 | 2 | .3 | <4 | | | |
| 329 | " | | " | | | qtz vein striking 84° 1/2 m wide | 100 | 7 | | | | | |
| 330 | " | | " | | | 4 cm wide vein 146/70E | 80 | 2 | 2.0 | <4 | | | |
| 331 | " | | " | | | 2 m wide qtz vein | 60 | <2 | | | | | |
| 332 | " | | " | | | black shale w gossan, py's | 60 | 7 | | | | | |
| RX030348 | " | | " | | | shale w py cubes (analyse py) | 10 | 8 | | | | | |
| RX037368 | " | | " | | | black graphitic shale w gossaned qtz | 30 | 2 | | | | | |
| 369 | " | | " | | | black graphitic shale w gossaned qtz | 20 | <2 | .8 | <4 | | | |
| 370 | " | | " | | | qtzite w rusty patches | 30 | <2 | | | | | |
| 371 | " | | " | | | black shale w rusty qtz lenses | 20 | <2 | | | | | |
| 372 | " | | " | | | black shale w rusty qtz lenses | 30 | <2 | | | | | |

TRAVERSE NUMBER ______ PROJECT CARIBOO PM's GEOLOGIST(S) E.F. Pattison

N.T.S. ______ AREA Au CLAIMS DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE RX Rock, Talus | SX Stream Silt, Soil | Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (p.p.m. / % /oz. per ton) Au ppb | As ppm | Ag ppm | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| RX030333 | Otcp. | | grab | | | Saddle vein, qtz.-ank vein and galena Py | >10000 | 9 | 110 | <4 |
| RX037341 | Talvs. | | " | | | BT. Qtz. vein w 15% Py | 200 | <2 | 0.8 | <4 |
| 342 | Otcp. | | " | | | Qtz. ank vein 5% galena | 120 | <2 | 40. | <4 |
| 344 | " | | " | | | Massive milky qtz. vein + galena and minor py | 200 | 8 | 10.7 | <4 |
| 345 | " | | " | | | Ank'd snowshoe, Mvvw py? gal? | 80 | 50 | 2.2 | <4 |
| 346 | Erratic | | " | | | Ank. qtz. vein 1-2% c.g. pyrite | 80 | 6 | .7 | <4 |
| 347 | Otcp. | | " | | | Qtz. vein 15-20 cm Gal. minor py. in ank'd | 80 | 2 | 3.4 | <4 |
| | | | | | | snowshoe. | | | | |
| 348 | Erratic | | " | | | Qtz.-ank. vein boulder | 60 | <2 | .2 | <4 |
| 349 | " | | " | | | Milky white q.v. | 50 | <2 | .1 | <4 |
| 350 | " | | " | | | Milky white q.v. mvvw py | 80 | 6 | .1 | <4 |
| 351 | Otcp. | | " | | | 30-40 cm qtz. vein in schistose ank'd snowshoe | 230 | 46 | .9 | <4 |
| 352 | " | | " | | | Lensoid massive white q.v.in schistose ank'd | 50 | 2 | .2 | <4 |
| | | | | | | snowshoe | | | | |
| 353 | Erratic | | " | | | Bldr. bedded ankoitic carb & grn mica | 40 | 60 | 1.2 | <4 |
| 354 | Otcp. | | " | | | Highly graphitic block Midas Form. | 40 | 12 | .5 | <4 |
| RX042489 | " | | " | | | Ank'd snowshoe ss 1-2% cubic py | NES | | | |
| 490 | Erratic | | " | | | Qtz-ank vein & wall rock incl. muvvw py? | 350 | 8 | .2 | <4 |
| 491 | Otcp. | | " | | | Wkly. graphiticm mod'y ank'd Midas Fm, phyll- | 70 | 8 | | |
| | | | | | | ite. | | | | |
| 492 | Otcp. | | Comp. Grab | | | Qtz. veins in above Midas fm. | 50 | 7 | | |
| 493 | " | | " | | | Midas Fm + num thin q.v. to 15 cm. | 40 | 5 | | |
| 494 | " | | grab | | | Rusty weathering siltst. & block graphit mud- | 30 | 4 | | |
| | | | | | | stone | | | | |
| RX042497 | " | | Comp. Grab | | | F.g. sugary white-hematitic qte. Yanks Pk Fm. | 40 | 10 | | |
| 498 | " | | grab | | | Dk-gr.-black graphitic Midas phyllite | NES | | | |
| 499 | " | | " | | | Well bedded thinly hem'd, siltstone. Yanks | 20 | 9 | | |
| | | | | | | Polk form. | | | | |
| RX042500 | " | | " | | | Massive silty qtsite. Yanks Pk form. | 40 | 9 | .3 | <4 |
| RX037373 | " | | " | | | Midas phyllite 250' west of saddle shaft | 40 | 2 | | |

TRAVERSE NUMBER

N.T.S. 93 A 14

PROJECT CARIBOO P.M.

AREA Au CLAIMS

GEOLOGIST(S) S. Harrigan

DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE RX Rock, Talus | SX Stream Silt, Soil | Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (ppm. / % /oz. per ton) Au ppb | As ppb | Ag ppm | W ppm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RX037275 | Otcp. | | grab | | | Quartz vein, limonite stained, lensoid - Midas fmn. | 20 | 20 | | | | | |
| 276 | " | | " | | | Quartz vein, limonite stained, lensoid max. width 1 m., snowshoe form | 25 | 6 | | | | | |
| 277 | " | | " | | | Quartz vein, limonite stained lensoid, mnv hematite(?) stained | 10 | <2 | | | | | |
| 278 | " | | " | | | Quartz vein clean white, mnv. hematite elim. Staining. | 20 | 8 | | | | | |
| 279 | " | | " | | | Quartz vein limonite and hematitized(?) stained. Snowshoe form | 25 | 5 | .2 | <4 | | | |
| 280 | " | | " | | | Quartz vein, lensoid-2m. max limestained. Snowshoe form. | 25 | 3 | | | | | |
| 281 | " | | " | | | Quartz vein limonite stained, faulted vein Snowshoe form. | 15 | 3 | | | | | |
| 282 | " | | " | | | Quartz vein 1 m. uniform thickness, limonite and hematite stained | 20 | 4 | | | | | |
| 283 | " | | " | | | Quartz vein limonite stained snowshoe qtz. | 20 | 3 | | | | | |
| 284 | " | | " | | | Quartz vein limonite stained hem. stained, qte. interfingered with quartz | 15 | 4 | .1 | <4 | | | |
| 285 | " | | " | | | Quartz vein hematite and mnv limonite stained | 20 | 2 | | | | | |
| 286 | " | | " | | | Quartz vein clean with many limonite staining | 20 | 3 | | | | | |
| 287 | " | | " | | | Quartz vein lensoid, limonite and hematite staining | 10 | 7 | | | | | |
| 288 | " | | " | | | Quartz pod, lensoid white river bed | 15 | 3 | | | | | |
| 289 | " | | " | | | Quartz vein, mnv limonite staining, faulted | 25 | <2 | | | | | |
| 290 | Talvs. | | " | | | Quartz float, hemaitite and limonite staining Snowshoe form. | 1000 | 9 | .2 | <4 | | | |
| 291 | " | | " | | | Volcanic? contains disseminated py. and hematite. | 35 | 3 | | | | | |
| 292 | " | | " | | | Quartz float, limonite staining - snowshoe form. | 5 | 8 | | | | | |
| 293 | Otcp. | | " | | | Quartz vein limonite staining | <5 | 3 | | | | | |

TRAVERSE NUMBER

N.T.S. 93 A 14

PROJECT CARIBOO P.M.

AREA Au CLAIMS

GEOLOGIST(S) S. Harrigan

DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE RX Rock, Talus | SX Stream Silt, Soil | Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (p.pm. / % /oz. per ton) Au ppb | As ppm | Ag ppm | W ppm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RX037294 | Otcp. | | grab | | | Quartz vein lenoid, clean with Midas Form. | <5 | 3 | | | | |
| 295 | " | | " | | | Quartz vein, limonite staining, hem. staining | 15 | 5 | | | | |
| 296 | Talvs. | | " | | | Quartz pod clean, mnv limonite staining | 65 | 3 | | | | |
| 297 | Otcp. | | " | | | Quartz vein limonite staining gossen vugs | 340 | 4 | .3 | <4 | | |
| 298 | " | | " | | | Quartz vein limonite staining | 35 | 5 | | | | |
| 299 | Talvs. | | " | | | Quartz float limonite staining | 30 | 3 | | | | |
| RX037300 | " | | " | | | Quartz float clean white boulders | 35 | 3 | | | | |
| RX042472 | " | | " | | | Quartz float limonite staining mnv hematite staining. | 25 | 15 | | | | |
| 473 | " | | " | | | Quartz float, limonite vugged and stained | 180 | 9 | .2 | <4 | | |
| 474 | " | | " | | | Quartz float, lensoid faults veins limonite stained. | 15 | 4 | | | | |
| 475 | " | | " | | | Quartz float limonite staining | 40 | 4 | | | | |
| 476 | " | | " | | | Quartz float, river deposit hem. & lim. staining | 20 | 5 | | | | |
| 477 | " | | " | | | Snowshoe quartzite, disseminated pyrite | 30 | 2 | | | | |
| 478 | Otcp. | | " | | | Snowshoe qte? pyrite? pink weathered | 15 | 7 | .2 | <4 | | |
| 479 | " | | " | | | Quartz vein - limonite stained, gossen trends 140 - host Snowshoe form. | No assay received | | | | | |
| 480 | Talvs. | | " | | | Quartz float, river flood, plain deposit limonite stained. | 30 | 3 | | | | |
| 481 | " | | " | | | Quartz float, limonite stained - valley dep. | 20 | 4 | | | | |
| 482 | " | | " | | | Quartz float, limonite stained - valley dep. | 5020 | 3 | .3 | <4 | | |
| 483 | " | | " | | | Quartz float, limonite stained - valley dep. | 60 | 3 | | | | |
| 484 | Otcp. | | " | | | Quartz vein in riverbed, limonite stained pyrite, some gossen. | 40 | 3 | | | | |
| 485 | Talvs. | | " | | | Quartz float - limonite stained-hematite stained (?) | NES | --- | | | | |
| 486 | " | | " | | | Quartz float - limonite stained-hematite stained (?) | 130 | 4 | | | | |
| 487 | Otcp. | | " | | | Quartz vein linsoid limonite stained between Snowshoe & qtz. | 50 | 5 | .2 | <4 | | |

TRAVERSE NUMBER ______

N.T.S. 93 A-14

PROJECT CARIBOO P.M.

AREA Au CLAIMS

GEOLOGIST(S) S. Harrigan

DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE: RX Rock, Talus | SAMPLE TYPE: SX Stream Silt, Soil | SAMPLE TYPE: Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (ppm. / % / oz. per ton): Au ppb | As ppm | Ag ppm | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| RX042488 | Otcp. | | grab | | | Quartz vein limonite stained | 40 | 5 | | |
| RX030341 | " | | " | | | Green staining (Cr?) River deposit | 20 | <2 | | |
| 342 | " | | " | | | Quartz lens in Snowshoe & Midas limonite staining | 20 | 14 | .6 | <4 |
| 343 | " | | " | | | Quartz lens limonite stained-clean white mnv lim. | 20 | 8 | | |
| 344 | Talvs. | | " | | | Quartz float limonite stained river deposit | 20 | 4 | | |
| 345 | " | | " | | | Quartz float green staining (Cr)? | 20 | 2 | | |
| RX037357 | " | | " | | | Quartz float - dark mnv limonite staining | 40 | <2 | | |
| 358 | " | | " | | | Quartz float talings from mine | 40 | 4 | | |
| 359 | Otcp. | | " | | | Quartz vein - limonite staining along fracture | 30 | 4 | .2 | <4 |
| 360 | " | | " | | | Quartz vein in float limonite staining | 30 | 7 | | |
| 361 | " | | " | | | Quartz vein limonite staining dirty | 40 | <2 | | |
| 362 | Talvs. | | " | | | Quartz float - limonite staining dirty | 40 | <2 | | |
| 363 | Otcp. | | " | | | Quartz vein limonite staining dirty | 30 | 2 | | |
| 364 | Talvs. | | " | | | Quartz float mnv hematite, lim. staining | 40 | <2 | .1 | <4 |
| 365 | " | | " | | | Quartz float very dirty, Kaolinized | 40 | <2 | | |
| 366 | " | | " | | | Quartz float very dirty, kaolinized | 20 | <2 | | |
| RX042495 | " | | " | | | Quartz float, limonite staining | 40 | 4 | .3 | <4 |
| 496 | Otcp. | | " | | | Quartz vein, limonite stained (hematite staining?) | 40 | 3 | | |
| RX030349 | " | | " | | | Midas schist, f.g. graphitic (qte?) | 15 | 2 | | |
| RX030350 | " | | " | | | Midas quartzite schist f.g. graphitic py | 50 | 6 | | |
| 351 | " | | " | | | Midas quartzite schist f.g. graphitic py | 70 | 2 | | |

TRAVERSE NUMBER ______

N.T.S. 93 A 14 W & 11 W

PROJECT CARIBOO PM's

AREA Au CLAIMS

GEOLOGIST(S) T.A. Jones

DATE August 1981

| SAMPLE NUMBER | SAMPLE TYPE: RX Rock, Talus | SAMPLE TYPE: SX Stream Silt, Soil | SAMPLE TYPE: Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (p.p.m. / % /oz. per ton): oz/t Au ppb | As ppm | Ag ppm | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| RX042443 | Otcp. | | grab | | | Felsic volcanic dike (Foreign) | 35 | 4 | | |
| 444 | " | | " | | | Qtz. vein, Nr Midas Adit (Foreign)(Gal?) | 95 | 6 | .4 | <4 |
| 445 | " | | " | | | Ankeritic qtz. Midas dump (Foreign) | 45 | 2 | | |
| 446 | " | | " | | | White qtz. (Py?) Midas Dump (Foreign) | 25 | 3 | | |
| 447 | " | | " | | | White qtz. No Py Midas Dump (Foreign) | 35 | 3 | | |
| 448 | " | | " | | | Qtz. W much rust - filled vogs (Foreign) | 330 | 2 | 1.1 | <4 |
| 449 | " | | " | | | Qtz. W much sulfide, saddle shaft (Foreign) | 86 oz/t | 29 | 10.3 | <4 |
| 450 | " | | " | | | Qtz. Py, Jim Dump (Foreign) | 1800 | 13 | .7 | <4 |
| RX030307 | Float | | " | | | Rusty qtz. float | 5 | 5 | | |
| 308 | Otcp. | | " | | | Clean (Minor Py only) qtz. vuggy, vein. | 10 | 14 | | |
| 309 | " | | " | | | Rusty qtz. W. much Py, en echelon 030308 | 15 | 10 | | |
| 310 | " | | " | | | Fractured qtz. W Py, from 030308 vein | 20 | 7 | .3 | <4 |
| RX030301 | Rock | | " | | | Pegmatitic mat'l, qtz. & K-Spar, lenses | 40 | 3 | .6 | <4 |
| 302 | Float | | " | | | Massive white qtz, with some light mica | 40 | 3 | | |

TRAVERSE NUMBER

N.T.S.

PROJECT CARIBOO PM's

AREA Au CLAIMS

GEOLOGIST(S) Camile Dionne

DATE

| SAMPLE NUMBER | SAMPLE TYPE: RX Rock, Talus | SAMPLE TYPE: SX Stream Silt, Soil | SAMPLE TYPE: Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (p.p.m. / % / oz. per ton): Au ppb | As ppm | Ag ppm | W ppm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RX037234 | Otcp. | | grab | | | 40 cm wide, qtz. vein, milky | 30 | 2 | .2 | <4 | | |
| 235 | " | | " | | | 30 cm wide, qtz. vein, milky | 30 | 2 | | | | |
| 236 | " | | " | | | 1 m wide, qtz. vein, milky | 15 | 3 | | | | |
| 237 | " | | " | | | 1-1.5 m wide, qtz. vein, rusty, visible QzXtls | 23 | 23 | | | | |
| 238 | " | | " | | | 1.5 m wide, qtz. vein, rust staining, visible QzXtls | 25 | 6 | | | | |
| 239 | " | | " | | | 1.5 m wide, qtz. lens in dirty quartzite | 30 | 3 | .3 | <4 | | |
| 240 | " | | " | | | Quartz & quartzite, rusty | 30 | 5 | | | | |
| 241 | " | | " | | | Qtz. vein, rusty with well-developed qtz. crystals | 30 | 4 | | | | |
| 242 | Float | | " | | | Old trench, rusty, milky qtz. | 45 | <2 | | | | |
| 243 | " | | " | | | White qtz., rusty in places | 25 | 2 | | | | |
| 244 | Otcp. | | " | | | 20-30 cm wide qtz. veins. | 20 | 10 | .3 | <4 | | |
| 245 | Float | | " | | | Milky qtz., minor rust stains | 30 | 3 | | | | |
| 246 | Otcp. | | " | | | Qtz. vein in qtz. mica schist | 15 | <2 | | | | |
| RX037268 | " | | " | | | Qtz. vein 3-10 cm milky | 40 | 6 | | | | |
| 269 | " | | " | | | 3 cm qtz. vein, milky some rust stain | 35 | 3 | .3 | <4 | | |
| 270 | " | | " | | | Milky qtz. vein | 25 | 4 | | | | |
| 271 | " | | " | | | 4 cm gaussind qtz. vein | 25 | 3 | | | | |
| 272 | " | | " | | | Trench, rusty milk qtz. vein | 40 | 3 | | | | |
| 273 | " | | " | | | Trench, milky gaussined qtz. vein 75-100 cm wide | 45 | 3 | | | | |
| 274 | " | | " | | | Trench, milky rusty qtz. vein | 35 | <2 | .1 | <4 | | |
| RX030323 | " | | " | | | 10 cm qtz. vein milky with rusty blebs | 15 | 3 | | | | |
| 324 | Float | | " | | | very rusty qtz. | 15 | 3 | | | | |
| 325 | Otcp. | | " | | | 10 cm qtz. vein, milky gaussined in places | 5 | 4 | | | | |
| 326 | " | | " | | | 30 cm qtz. vein gaussined and rust stained | 15 | 4 | | | | |
| 327 | " | | " | | | 30-50 cm qtz. vein, milky with minor rust staining | <5 | 7 | | | | |
| 328 | " | | " | | | 40-50 cm qtz. vein | 10 | 6 | | | | |
| 329 | " | | " | | | small rusty qtz. vein, milky | 10 | 11 | | | | |
| RX037306 | " | | " | | | Qtz. vein, rusty | No assays | | | | | |

TRAVERSE NUMBER ______ PROJECT CARIBOO PM's GEOLOGIST(S) Camile Dionne

N.T.S. ______ AREA Au CLAIMS DATE ______

| SAMPLE NUMBER | SAMPLE TYPE RX Rock, Talus | SX Stream Silt, Soil | Grab, Chip, Channel | SAMPLE LENGTH, WIDTH, AREA | LATITUDE, LONGITUDE and / or U.T.M. | SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc. | RESULTS (ppm. / % /oz. per ton) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RX030307 | Otcp. | | grab | | | Qtz. swarm, rusty | 35 | 5 | | | | | |
| RX030330 | " | | " | | | Qtz. vein, large QzXtls weathered Py cubes, visible pyrite | 570 | 76 | | | | | |
| 331 | " | | " | | | Qtz. vein, 10 cm, rusty | 10 | 43 | | | | | |
| 332 | " | | " | | | 50 cm qtz. vein, rusty | 20 | 10 | .4 | <4 | | | |


## LEGEND

| | |
|---|---|
| Mgte | "Midas" Formation; graphitic and carbonaceous quartzite |
| Sqte | "Snowshoe" Formation; feldspathic quartzite and sandstone |
| S | Slate, probably part of "Midas" Formation |
| QMS | Quartz-muscovite schist, probably part of "Snowshoe" Formation |
| QBH | Quartz-biotite hornfels |
| B | Breccia, brecciated "Midas" graphitic slate |

| | |
|---|---|
| (symbol) | Outcrop |
| (symbol) | Outline of old trench or pit |
| (symbol) | Frost-heaved blocks |
| (symbol) | Erratics |
| (symbol) | Claim post |
| (symbol) | Bedding |
| RX37298 | Geochemical rock chip sample site |
| (20,4,0.3,<4) | Geochemical assay results; Au ppb, As ppm, Ag ppm, W ppm, |

Canadian Nickel Company Limited
Copper Cliff, Ontario
POM INO

GEOLOGY & GEOCHEMICAL SURVEY
SHEET
FIGURE 3C

Project: CARIBOO AU CLAIMS
Area: BRITHISH COLUMBIA
Supervisor: E.F. Pattison
Instrument:
Survey date: July-Aug. 1981
Compiled by: E.F. Pattison
Drawn by: H. Humphreys
Date drawn: Feb./1982
Revised:
Scale: 1:1000
File:
N.T.S. 93A 14W


FRENCH SNOWSHOE CREEK
SNOWSHOE CREEK
WEAVER CREEK
KEITHLEY CREEK
FOUR CREEK
PINE CREEK
KAY CREEK
CARIBOO LAKE
Limestone
AU 1
AU 2
AU 3
AU 4
AU 5
AU 6
AU 7
AU 8
4000
5000
6000
3000
10,209
FOR LEGEND SEE SHEET 3A
Canadian Nickel Company Limited
Copper Cliff, Ontario
POM 1NO
SHEET
FIGURE
3B
Project: CARIBOO Au CLAIMS
Area: BRITISH COLUMBIA
Supervisor: E.F. Pattison
Instrument:
Survey date: July - Aug. 1981
Compiled by: E.F. Pattison
Drawn by: H. Humphreys
Date drawn: Feb. 1982
Revised:
Scale: 1: 12000
File:
N.T.S. 93A 14W


LEGEND
4 Felsic Dykes
3 Undifferentiated Yanks Peak & Yankee Belle Formation (After Holland, 1954)
2 "Midas" Formation: black to dark gray, graphitic or carbonaceous pelite, siltstone & fine sandstone
1 "Snowshoe" Formation: siltstone, feldspathic sandstone, quartzite, pebble conglomerate, Derived Quartz-Muscovite schist.
1a Limestone: occurs as minor intercalations within "Snowshoe" Formation
Attitude of quartz vein
Bedding
Outcrop: Outcrop area
Float, erratic
RX37300 Rock Chip Geochemical Sample Site with number
45,12,1.4,<4 Geochemical Results; Au ppb, As ppm, Ag ppm, W ppm
AU 17 Legal Corner Post
Geological Contact Inferred
Anticline Axis
Overturned Anticlinal Axis
SCALE
100 0 200 400 600 800
METERS
Canadian Nickel Company Limited
Copper Cliff, Ontario POM 1NO
GEOLOGY & GEOCHEMICAL SURVEY
SHEET
FIGURE 3A
Project: CARIBOO Au CLAIMS
Area: BRITISH COLUMBIA
Supervisor: E.F. Pattison
Instrument:
Survey date July-Aug. 1981
Compiled by: E.F. Pattison
Drawn by: H. Humphreys
Date drawn Feb. 1982
Revised:
Scale: 1:12000
File:
N.T.S. 93A 14W
DETAIL AREA
SEE FIG. 3C
CUNNINGHAM CREEK
McMARTIN CREEK
LITTLE SNOWSHOE CREEK
FRENCH SNOWSHOE CREEK
YANKS PEAK
SNARLBERG
MIDAS ADIT
10,209