COMINCO LTD.

EXPLORATION

NTS: 92H/7E-W

WESTERN DISTRICT

12 AUGUST 1980

# ASSESSMENT REPORT

# GEOCHEMICAL SURVEY

# ON THE

# WHIP PROPERTY

(WHIP 1, 20 UNITS; WHIP 2, 12 UNITS;

WHIP 3, 12 UNITS; WHIP 4, 6 UNITS)

WHIPSAW CREEK AREA

SIMILKAMEEN MINING DIVISION

LATITUDE: N49°17' LONGITUDE: W120°45'

WORK PERFORMED

10 TO 12 AUGUST 1979 AND 19 JUNE TO 3 JULY 1980

REPORT BY: J.C. CAELLES

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 8244

IN THE MATTER OF THE B.C. MINERAL ACT

AND IN THE MATTER OF A GEOCHEMICAL PROGRAMME

CARRIED OUT ON MINERAL CLAIM WHIP #1, #2, #3, AND #4 (50 UNITS)

ON THE WHIP PROPERTY

LOCATED 25 KM SOUTHWEST OF PRINCETON IN THE SIMILKAMEEN MINING DIVISION

OF THE PROVINCE OF BRITISH COLUMBIA MORE PARTICULARLY

NTS: 92H/7E-W

# A F F I D A V I T

I, Juan C. Caelles, of the City of Vancouver in the Province of British Columbia, make oath and say:-

1. THAT I am employed as a geologist by Cominco Ltd. and, as such, have a personal knowledge of the facts to which I hereinafter depose;

2. THAT annexed hereto and marked as "Exhibit A" to this my affidavit is a true copy of expenditures incurred on soil geochemical survey on the mineral claims WHIP #1-WHIP #4;

3. THAT the said expenditures were incurred between the 10th and 12th day of August 1979, and between the 19th day of June and 3rd day of July 1980 for the purpose of the mineral exploration on the above noted claims.

Juan C. Caelles

J.C. Caelles

JCC:hmr
8 August 1980.

## TABLE OF CONTENTS



## ATTACHMENTS

COMINCO LTD.

EXPLORATION

NTS: 92H/7E-W

WESTERN DISTRICT

8 AUGUST 1980

# GEOCHEMICAL SURVEY

# WHIP PROPERTY

# WHIPSAW CREEK AREA

# SIMILKAMEEN MINING DIVISION

## INTRODUCTION

The Whip property consists of 50 units staked in August 1979 by Cominco Ltd. It is made up of four groups: Whip #1 (20 units); Whip #2 (12 units); Whip #3 (12 units); and Whip #4 (6 units). It includes but does not comprise the Ell claims in the centre of the property and the Crown-Granted claims to the south (Plate 2).

An exploration programme consisting of reconnaissance soil sampling along some lines established with compass and hip-chain was carried out; sample locations were marked with orange flagging.

## LOCATION AND ACCESS

The Whip group is located in the Similkameen Mining Division, about 25 km southwest of Princeton (Plate 1). Access is by road from Princeton south along Highway 3 to the Whipsaw Creek Road (13 km), and from there southwest for 23 km to the property along the Whipsaw Creek Road. The last 5 km requires a 4-wheel vehicle.

## HISTORY

The Whipsaw Creek property has a long history starting in 1960 when Texas Gulf Company Ltd. performed geological, geophysical, and soil surveys (Assessment Report #314). In 1961 Texas Gulf carried out an EM survey over part of the property (Assessment Report #362), and later that year did more detailed mapping, soil sampling and completed three diamond drill holes with supposedly low results (Assessment Report #409). In 1963 Dome finished an IP survey (Assessment Report #561). Finally in 1971 Newmont Mining Corporation carried out an IP survey covering a part of the property to the north of previous detailed surveys (Assessment Report #3707).

In 1979-1980 Cominco carried out a soil sampling programme in the property to check possible extensions of geochemical anomalies detected by previous work.

## GEOLOGY AND MINERALIZATION

The following account of geology and mineralization is summarized from the aforementioned assessment reports.

The Whip property is underlain by a succession of volcanic and sedimentary rocks belonging to the Upper Triassic Nicola Group. The volcano-sedimentary rocks exhibit amphibolite-facies metamorphism and are made up of schists and gneisses.

Upper Cretaceous/Tertiary(?) granodiorite, locally known as the Eagle granodiorite, intrudes the Nicola Group. The contact strikes northwesterly and runs approximately through the middle of the property, the granodiorite underlying the western part.

A feldspar porphyry, in places carrying biotite, hornblende and quartz eyes, was emplaced at the contact between the Nicola Group and The Eagle granodiorite.

Sulphide mineralization occurs as disseminations and fracture filling in a large area of the Whip Group, recognized as of the porphyry copper type. It comprises mainly pyrite (2-10% in places) and rarely trace amounts of chalcopyrite and molybdenite. Likely, the mineralization is related to the feldspar porphyry intrusion.

## GEOCHEMISTRY

A reconnaissance soil (363) and silt (8) sampling survey was carried out. A grid was laid out for soil sampling with compass and hip-chain. Samples were taken at 50-m intervals with a mattock or shovel at a depth of 20-25 cm, always below the organic horizon and presumably from the B-horizon, and put in a 3"X5" Kraft-paper bag. The sample locations were marked with orange flagging.

In the Cominco Laboratory (Vancouver) the samples were dryed and sieve to $<$80 mesh. The "fines" were digested with hot 20% nitric acid and Cu, Pb, and Zn were determined by atomic absorption spectrometry. For Mo analysis, the $<$80 mesh fractions were digested with aqua regia, then salted with aluminum nitrate and concentrations determined by atomic absorption spectrometry using a nitrous oxide acetyline flame.

Plate 2 shows the locations of the samples and their numbers. The geochemical analyses of the soil samples are reproduced in Table 1 and those of silt samples in Table 2.

Plate 3 depicts the copper and molybdenum values and Plate 4 the lead and zinc determinations. Arbitrarily, values for copper of 150 and 250 ppm, for molybdenum of 10 and 15 ppm, for lead of 5 ppm and for zinc of 100 ppm were chosen to contour them in Plates 3 and 4. These values were chosen through study of cummulative plots and past experience in the area and elsewhere.

Report By: Juan C. Caelles

J.C. Caelles
Project Geologist
Western District

Endorsed By: W. J. McAfee for DLC.

D.L. Cooke
Senior Geologist
Western District

Approved For
Release By:

G. Harden
Manager, Exploration
Western District

JCC:hmr
Attachments.

Distribution

Mining Recorder (2)
Administration (1)
Western District (1)

# EXHIBIT "A"

## GEOCHEMICAL SURVEY COSTS

## WHIP CLAIMS

### SALARIES

| | | | |
|---|---|---|---|
| J.C. Caelles, geologist | 4 days | June 19,28,29, August 6, 1980 | |
| P.D. Leriche, geologist | 7 days | June 26,27,29,30, July 1,2,3, 1980 | |
| I.G. Mitchell,sampler | 8 days | June 19,25,27,30, July 1,2,3, 1980 | |
| R.J. Eyre, sampler | 4 days | June 19,25,26,27, 1980 | |
| E.J. Marcinew, sampler | 2 days | June 26,27, 1980 | |
| O. Lavin, geochemist | 1 day | June 29, 1980 | |
| C. Edmunds, sampler | 3 days | August 10,11,12, 1979 | |
| D.G. Gill, sampler | 3 days | August 10,11,12, 1979 | |
| D.P. McFeely, draftsperson | 2 days | July 31, August 1, 1980 | $2,923.45 |

### ROOM AND BOARD

| | | |
|---|---|---|
| Room (32 days X 11.04) | $ 353.36 | |
| Board (26 days X 12 + 6 X 10) | $ 372.00 | |
| | | $ 725.36 |

### COMINCO LABORATORY (VANCOUVER)

| | | |
|---|---|---|
| 273 Soil Samples @ $4.75 each | $1,296.75 | |
| 90 Soil Samples @ $4.10 each | 369.00 | |
| 8 Silt Samples @ $7.75 each | 62.00 | |
| | | $1,727.75 |

### TRANSPORTATION

| | | |
|---|---|---|
| Truck Rental (14 days @ $26./day) | $ 364.00 | |
| Truck Rental ( 3 days @ $23./day) | 69.00 | |
| | | $ 433.00 |

### MOBILIZATION AND DEMOBILIZATION

| | | |
|---|---|---|
| 1 day wages everybody except draftsperson and geochemist | $ 595.30 | |
| 1 day Board | 92.00 | |
| 3 days Truck Rental (26 X 2 + 23) | 75.00 | |
| | | $ 762.30 |

| | |
|---|---|
| Total | $6,571.86 |

JCC:hmr
8 August 1980.

TABLE 1

WHIP PROPERTY

GEOCHEMICAL ANALYSES

SOILS

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W1 | 171 | -4 | 30 | 24 |
| W2 | 303 | -4 | 33 | 38 |
| W3 | 180 | -4 | 30 | 40 |
| W4 | 1120 | -4 | 28 | 39 |
| W5 | 122 | 4 | 31 | 29 |
| W6 | 71 | 5 | 24 | 29 |
| W7 | 46 | 6 | 16 | 15 |
| W8 | 82 | -4 | 19 | 27 |
| W9 | 130 | -4 | 26 | 20 |
| W10 | 326 | -4 | 15 | 15 |
| W11 | 570 | -4 | 10 | 10 |
| W12 | 120 | -4 | 36 | 8 |
| W13 | 82 | -4 | 27 | 7 |
| W14 | 89 | -4 | 38 | 8 |
| W15 | 101 | -4 | 41 | 8 |
| W16 | 110 | 4 | 50 | 10 |
| W17 | 125 | -4 | 49 | 8 |
| W18 | 128 | -4 | 44 | 14 |
| W19 | 142 | 5 | 67 | 13 |
| W20 | 67 | 5 | 20 | 5 |
| W21 | 156 | -4 | 124 | 8 |
| W22 | 97 | -4 | 24 | -2 |
| W23 | 59 | -4 | 26 | 7 |
| W24 | 83 | -4 | 81 | 13 |
| W25 | 118 | -4 | 43 | 6 |
| W26 | 79 | 6 | 102 | 6 |
| W27 | 254 | -4 | 73 | 11 |
| W28 | 275 | -4 | 90 | 16 |
| W29 | 110 | -4 | 67 | 10 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W30 | 168 | -4 | 48 | 2 |
| W31 | 126 | -4 | 80 | 3 |
| W32 | 70 | -4 | 47 | 2 |
| W33 | 39 | -4 | 25 | -2 |
| W34 | 31 | -4 | 39 | 2 |
| W35 | 134 | 4 | 75 | 11 |
| W36 | 101 | -4 | 41 | 8 |
| W37 | 81 | -4 | 29 | 9 |
| W38 | 136 | -4 | 35 | 15 |
| W39 | 99 | -4 | 27 | 14 |
| W40 | 100 | -4 | 34 | 18 |
| W41 | 112 | -4 | 30 | 26 |
| W42 | 151 | -4 | 33 | 25 |
| W43 | 287 | -4 | 56 | 34 |
| W44 | 109 | 5 | 26 | 23 |
| W45 | 91 | -4 | 30 | 5 |
| W46 | 130 | -4 | 33 | 8 |
| W47 | 137 | -4 | 39 | 13 |
| W48 | 151 | -4 | 41 | 14 |
| W49 | 115 | -4 | 27 | 19 |
| W50 | 149 | -4 | 28 | 10 |
| W51 | 163 | -4 | 31 | 15 |
| W52 | 129 | -4 | 35 | 16 |
| W53 | 151 | -4 | 36 | 21 |
| W54 | 154 | -4 | 24 | 22 |
| W55 | 191 | -4 | 49 | 9 |
| W56 | 142 | -4 | 47 | 13 |
| W57 | 128 | -4 | 48 | 10 |
| W58 | 86 | -4 | 27 | 10 |
| W59 | 62 | -4 | 28 | 10 |
| W60 | 125 | 4 | 44 | 31 |
| W61 | 156 | -4 | 39 | 17 |
| W62 | 115 | -4 | 29 | 18 |
| W63 | 445 | -4 | 29 | 31 |
| W64 | 860 | -4 | 9 | 7 |
| W65 | 120 | 4 | 37 | 8 |

3.

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W66 | 86 | 4 | 34 | 5 |
| W67 | 123 | -4 | 83 | 9 |
| W68 | 65 | -4 | 35 | 8 |
| W69 | 93 | -4 | 42 | 8 |
| W70 | 92 | -4 | 43 | 7 |
| W71 | 97 | 5 | 27 | 32 |
| W72 | 81 | 4 | 61 | 26 |
| W73 | 27 | 4 | 12 | 3 |
| W74 | 105 | -4 | 33 | 7 |
| W75 | 121 | 4 | 17 | 9 |
| W76 | 43 | 8 | 11 | 9 |
| W77 | 146 | -4 | 42 | 8 |
| W78 | 84 | -4 | 40 | 6 |
| W79 | 140 | -4 | 48 | 4 |
| W80 | 128 | -4 | 45 | 5 |
| W81 | 285 | -4 | 57 | 8 |
| W82 | 105 | 5 | 45 | 6 |
| W83 | 126 | -4 | 58 | 6 |
| W84 | 149 | -4 | 43 | 12 |
| W85 | 149 | -4 | 45 | 6 |
| W131 | 55 | -4 | 45 | 3 |
| W132 | 27 | -4 | 26 | 2 |
| W133 | 26 | -4 | 19 | 2 |
| W134 | 19 | -4 | 15 | -2 |
| W135 | 36 | -4 | 35 | -2 |
| W136 | 27 | -4 | 34 | 4 |
| W137 | 46 | -4 | 33 | 3 |
| W138 | 15 | 4 | 17 | 3 |
| W139 | 51 | -4 | 11 | 2 |
| W140 | 30 | -4 | 15 | 3 |
| W141 | 25 | 4 | 11 | -2 |
| W142 | 26 | -4 | 12 | -2 |
| W143 | 22 | 4 | 6 | -2 |
| W144 | 50 | -4 | 49 | -2 |
| W145 | 46 | 4 | 52 | 4 |
| W146 | 44 | 4 | 48 | 5 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W147 | 41 | 4 | 50 | -2 |
| W148 | 36 | -4 | 22 | -2 |
| W149 | 26 | -4 | 35 | 3 |
| W150 | 33 | -4 | 38 | 2 |
| W151 | 35 | 5 | 44 | 3 |
| W152 | 37 | -4 | 40 | 2 |
| W153 | 67 | -4 | 54 | 4 |
| W154 | 66 | -4 | 41 | 5 |
| W155 | 113 | -4 | 64 | 3 |
| W156 | 72 | -4 | 45 | 4 |
| W157 | 99 | -4 | 42 | 6 |
| W158 | 38 | -4 | 26 | 24 |
| W159 | 125 | 53 | 156 | 5 |
| W160 | 66 | 9 | 130 | 4 |
| W161 | 63 | 7 | 85 | 3 |
| W162 | 125 | 4 | 145 | 6 |
| W163 | 69 | 6 | 95 | 3 |
| W164 | 212 | 5 | 124 | 7 |
| W165 | 143 | 4 | 139 | 4 |
| W166 | 119 | 4 | 49 | 5 |
| W167 | 93 | 6 | 46 | 5 |
| W168 | 166 | 4 | 54 | 6 |
| W169 | 93 | -4 | 40 | 4 |
| W170 | 104 | -4 | 37 | 5 |
| W171 | 84 | -4 | 45 | 5 |
| W172 | 91 | 6 | 48 | 7 |
| W173 | 84 | 4 | 32 | 5 |
| W174 | 127 | -4 | 29 | 4 |
| W175 | 76 | 4 | 31 | 6 |
| W176 | 48 | -4 | 16 | 4 |
| W177 | 75 | 7 | 18 | 11 |
| W178 | 147 | -4 | 27 | 24 |
| W179 | 266 | 5 | 38 | -2 |
| W180 | 272 | 4 | 37 | 13 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W203 | 590 | -4 | 73 | 7 |
| W204 | 126 | -4 | 51 | 5 |
| W205 | 1050 | -4 | 17 | 20 |
| W206 | 220 | -4 | 159 | 15 |
| W207 | 88 | 4 | 55 | 22 |
| W208 | 159 | -4 | 372 | 27 |
| W209 | 41 | -4 | 69 | 12 |
| W210 | 120 | 8 | 57 | 5 |
| W211 | 110 | 6 | 59 | 4 |
| W212 | 167 | 9 | 113 | 3 |
| W213 | 122 | 9 | 87 | 4 |
| W214 | 110 | 7 | 87 | 2 |
| W215 | 178 | 6 | 128 | 5 |
| W216 | 169 | 5 | 165 | 4 |
| W217 | 533 | 9 | 210 | 13 |
| W218 | 153 | 16 | 567 | 6 |
| W219 | 128 | 9 | 125 | 7 |
| W220 | 55 | 30 | 187 | 3 |
| W221 | 106 | 15 | 99 | 3 |
| W222 | 90 | 10 | 88 | 3 |
| W223 | 129 | 21 | 188 | 4 |
| W224 | 81 | 7 | 187 | 4 |
| W225 | 129 | 13 | 242 | 2 |
| W226 | 70 | 39 | 334 | 4 |
| W227 | 130 | 34 | 172 | 3 |
| W228 | 78 | 17 | 135 | 4 |
| W229 | 105 | 22 | 96 | 15 |
| W230 | 119 | 5 | 79 | 7 |
| W231 | 154 | 5 | 94 | 6 |
| W232 | 136 | 6 | 85 | 6 |
| W233 | 129 | -4 | 69 | 4 |
| W234 | 101 | -4 | 67 | 6 |
| W235 | 46 | 6 | 57 | 2 |
| W236 | 45 | -4 | 21 | -2 |
| W237 | 57 | 4 | 25 | 4 |
| W238 | 115 | -4 | 56 | 2 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W239 | 36 | -4 | 39 | 3 |
| W240 | 155 | -4 | 28 | 3 |
| W241 | 88 | -4 | 37 | 5 |
| W242 | 114 | -4 | 42 | 4 |
| W243 | 111 | -4 | 41 | 4 |
| W244 | 153 | -4 | 46 | 5 |
| W245 | 140 | -4 | 74 | 5 |
| W246 | 60 | -4 | 44 | 3 |
| W247 | 77 | -4 | 45 | 6 |
| W248 | 65 | -4 | 42 | 4 |
| W249 | 91 | 5 | 67 | 10 |
| W250 | 81 | -4 | 62 | 11 |
| W251 | 123 | -4 | 100 | 10 |
| W252 | 152 | -4 | 58 | 13 |
| W253 | 100 | -4 | 58 | 8 |
| W254 | 98 | -4 | 52 | 12 |
| W255 | 125 | -4 | 59 | 13 |
| W256 | 125 | 4 | 67 | 14 |
| W257 | 100 | -4 | 48 | 20 |
| W258 | 135 | -4 | 51 | 19 |
| W259 | 54 | -4 | 26 | 14 |
| W260 | 87 | -4 | 35 | 16 |
| W261 | 86 | -4 | 28 | 18 |
| W262 | 114 | 5 | 28 | 29 |
| W263 | 159 | -4 | 39 | 19 |
| W264 | 151 | -4 | 35 | 29 |
| W265 | 71 | -4 | 26 | 28 |
| W266 | 68 | -4 | 24 | 17 |
| W267 | 83 | 6 | 26 | 28 |
| W268 | 115 | -4 | 27 | 24 |
| W269 | 958 | 7 | 29 | 34 |
| W270 | 84 | -4 | 30 | 3 |
| W271 | 40 | -4 | 26 | 2 |
| W272 | 96 | -4 | 41 | 4 |
| W273 | 24 | -4 | 14 | 3 |
| W274 | 228 | -4 | 69 | 7 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W275 | 7 | 4 | 13 | 2 |
| W276 | 11 | -4 | 19 | -2 |
| W277 | 18 | -4 | 32 | -2 |
| W278 | 33 | 4 | 291 | 2 |
| W279 | 28 | 5 | 125 | 2 |
| W280 | 12 | -4 | 97 | 2 |
| W281 | 23 | -4 | 73 | 3 |
| W282 | 78 | 5 | 92 | -2 |
| W283 | 208 | 5 | 71 | -2 |
| W284 | 328 | 5 | 119 | 2 |
| W285 | 179 | 5 | 86 | 8 |
| W286 | 488 | 4 | 115 | 16 |
| W287 | 69 | 5 | 75 | 2 |
| W288 | 103 | -4 | 67 | 3 |
| W302 | 55 | -4 | 35 | 2 |
| W303 | 155 | -4 | 31 | 2 |
| W304 | 77 | -4 | 37 | 4 |
| W305 | 30 | -4 | 27 | -2 |
| W306 | 52 | -4 | 33 | -2 |
| W307 | 59 | -4 | 45 | -2 |
| W308 | 59 | -4 | 40 | 2 |
| W316 | 60 | -4 | 100 | 4 |
| W317 | 113 | -4 | 100 | 8 |
| W318 | 166 | -4 | 87 | 15 |
| W319 | 293 | -4 | 235 | 8 |
| W320 | 560 | -4 | 231 | 17 |
| W321 | 58 | -4 | 174 | 3 |
| W322 | 50 | 7 | 129 | 4 |
| W323 | 160 | -4 | 92 | 14 |
| W324 | 82 | -4 | 71 | 9 |
| W325 | 150 | 4 | 116 | 13 |
| W326 | 212 | -4 | 130 | 5 |
| W327 | 70 | -4 | 124 | 3 |
| W328 | 97 | -4 | 175 | 2 |
| W329 | 399 | 4 | 334 | 23 |
| W330 | 44 | -4 | 48 | 7 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W331 | 37 | -4 | 43 | 3 |
| W332 | 30 | -4 | 53 | 8 |
| W333 | 95 | -4 | 125 | 17 |
| W334 | 108 | 5 | 110 | 22 |
| W335 | 305 | -4 | 133 | 7 |
| W336 | 29 | -4 | 25 | 2 |
| W337 | 75 | 6 | 63 | 10 |
| W338 | 138 | 5 | 81 | 9 |
| W339 | 64 | 4 | 38 | 2 |
| W340 | 37 | 7 | 30 | 2 |
| W341 | 47 | 6 | 22 | 4 |
| W342 | 54 | 5 | 33 | 3 |
| W343 | 57 | 5 | 83 | -2 |
| W344 | 100 | 6 | 730 | 2 |
| W345 | 62 | -4 | 49 | -2 |
| W346 | 54 | -4 | 293 | -2 |
| W347 | 65 | -4 | 54 | -2 |
| W348 | 54 | -4 | 48 | -2 |
| W349 | 40 | -4 | 37 | 3 |
| W350 | 29 | -4 | 26 | 7 |
| W351 | 51 | -4 | 34 | 5 |
| W352 | 52 | -4 | 32 | 4 |
| W353 | 33 | -4 | 22 | 5 |
| W354 | 35 | -4 | 32 | 4 |
| W355 | 69 | -4 | 41 | 3 |
| W356 | 65 | -4 | 51 | 37 |
| W357 | 34 | -4 | 24 | 19 |
| W358 | 30 | 4 | 11 | 13 |
| W359 | 32 | 6 | 26 | 17 |
| W360 | 15 | 7 | 14 | 7 |
| W361 | 108 |  | 61 | 2 |
| W362 | 244 |  | 88 | 2 |
| W363 | 81 |  | 46 | 2 |
| W364 | 104 |  | 56 | 2 |
| W365 | 71 |  | 32 | 4 |
| W366 | 165 |  | 55 | 2 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W367 | 146 | | 51 | 17 |
| W368 | 43 | | 17 | 2 |
| W369 | 169 | | 40 | 17 |
| W370 | 204 | | 45 | 11 |
| W371 | 236 | | 46 | 17 |
| W373 | 172 | | 62 | 11 |
| W373 | 388 | | 51 | 5 |
| W374 | 183 | | 46 | 7 |
| W375 | 247 | | 100 | 19 |
| W376 | 88 | | 54 | 27 |
| W377 | 206 | | 56 | 2 |
| W378 | 454 | | 72 | 3 |
| W379 | 490 | | 56 | 11 |
| W380 | 424 | | 49 | 3 |
| W381 | 336 | | 88 | 4 |
| W382 | 140 | | 56 | 5 |
| W383 | 128 | | 41 | 5 |
| W384 | 445 | | 46 | 2 |
| W385 | 86 | | 46 | 3 |
| W386 | 58 | | 37 | 2 |
| W387 | 158 | | 96 | 22 |
| W388 | 134 | | 406 | 15 |
| W389 | 38 | | 47 | 7 |
| W390 | 33 | | 42 | 2 |
| W391 | 35 | | 43 | 2 |
| W392 | 41 | | 37 | 12 |
| W393 | 33 | | 26 | 5 |
| W394 | 67 | | 54 | 12 |
| W395 | 50 | | 35 | 2 |
| W396 | 80 | | 35 | 7 |
| W397 | 104 | | 56 | 2 |
| W398 | 54 | | 25 | 2 |
| W399 | 102 | | 67 | 2 |
| W400 | 100 | | 110 | 2 |
| W401 | 112 | | 62 | 2 |
| W402 | 308 | | 141 | 2 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W403 | 123 | | 77 | 2 |
| W404 | 117 | | 46 | 2 |
| W405 | 175 | | 60 | 2 |
| W406 | 163 | | 113 | 2 |
| W407 | 246 | | 112 | 2 |
| W408 | 182 | | 75 | 2 |
| W409 | 440 | | 118 | 2 |
| W410 | 222 | | 13 | -2 |
| W411 | 610 | | 24 | 5 |
| W412 | 168 | | 136 | 22 |
| W413 | 102 | | 106 | 11 |
| W414 | 25 | | 30 | 5 |
| W415 | 46 | | 28 | 2 |
| W416 | 47 | | 31 | 7 |
| W417 | 61 | | 40 | 5 |
| W418 | 22 | | 17 | 2 |
| W419 | 45 | | 29 | 2 |
| W420 | 31 | | 24 | 9 |
| W421 | 12 | | 19 | 9 |
| W422 | 58 | | 67 | 5 |
| W423 | 80 | | 86 | 7 |
| W424 | 107 | | 73 | 5 |
| W425 | 37 | | 17 | 7 |
| W426 | 57 | | 90 | 5 |
| W427 | 153 | | 39 | 5 |
| W428 | 121 | | 33 | 2 |
| W429 | - | | - | 2 |
| W430 | 114 | | 43 | 2 |
| W431 | 200 | | 54 | 2 |
| W432 | 96 | | 16 | 2 |
| W433 | 137 | | 57 | 3 |
| W434 | 455 | | 41 | 2 |
| W435 | 640 | | 61 | 2 |
| W436 | 98 | | 20 | 2 |
| W437 | 276 | | 54 | 2 |
| W438 | 38 | | 33 | 2 |

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) |
|---|---|---|---|---|
| W439 | 22 | | 21 | 2 |
| W440 | 9 | | 13 | 3 |
| W441 | 20 | | 16 | 2 |
| W442 | 49 | | 76 | 13 |
| W443 | 38 | | 29 | 19 |
| W444 | 39 | | 36 | 16 |
| W445 | 41 | | 34 | 3 |
| W446 | 51 | | 29 | 9 |
| W447 | 49 | | 37 | 11 |
| W448 | 78 | | 43 | 9 |
| W449 | 56 | | 42 | 9 |
| W450 | 43 | | 32 | 22 |

JCCaelles:hmr
24 July 1980

TABLE 2

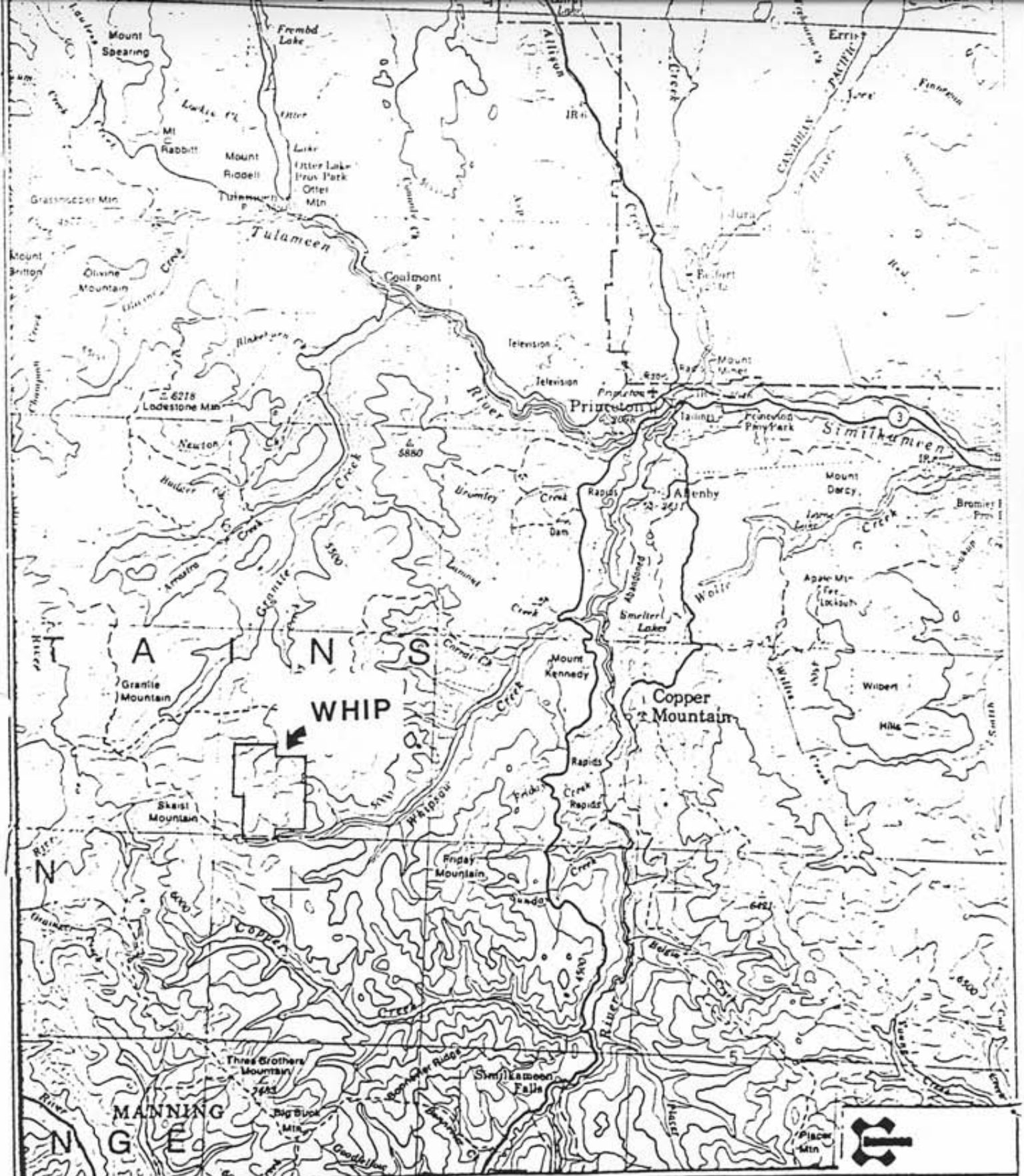
WHIP PROPERTY

GEOCHEMICAL ANALYSES

SILT

| Sample Number | Cu (ppm) | Pb (ppm) | Zn (ppm) | Mo (ppm) | W (ppm) |
|---|---|---|---|---|---|
| WS459 | 1800 | -4 | 200 | 11 | 2 |
| WS460 | 69 | -4 | 165 | -2 | 2 |
| WS461 | 740 | -4 | 78 | 4 | 2 |
| WS462 | 325 | -4 | 84 | 18 | 2 |
| WS463 | 1620 | -4 | 200 | 40 | 3 |
| WS468 | 68 | -4 | 34 | 4 | - |
| WS470 | 16 | -4 | 30 | 2 | - |
| WS471 | 14 | -4 | 34 | 2 | -2 |

JCCaelles:hmr
24 July 1980.




| Drawn by: | Traced by: | |
|---|---|---|
| Revised by / Date | Revised by | Date |
| | | |

WHIP PROPERTY
LOCATION MAP

92H/7E-W

Scale: 1:250,000 | Date: 12 August 1980 | Plate 1

112A C1

WHIP 1

WHIP 2

WHIP 3

WHIP 4

WS 471

WS 470

WS 468

WS 463

WS 462

WS 461

WS 460

WS 459

ELL CLAIMS

L1459

L1550

L1551

L1552

L172

L174

L1554

L1553

5900

6000

5600

5800

N

LEGEND

- SOIL SAMPLE LOCATION
- W 262 SOIL SAMPLE NUMBER
- SILT SAMPLE LOCATION
- WS 461 SILT SAMPLE NUMBER
- ROAD
- TRENCH
- SWAMP

SCALE

0 100 200 300 400 500 m

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8244

Plate 2 — To accompany Assessment Report by J.C. Caelles - Dated August 12, 1980

WHIP PROPERTY

92H/7

SOIL SAMPLE MAP

| Drawn by: JCC | Traced by: pmf |
|---|---|
| Revised by: Date | Revised by: Date |
| | |

Scale: 1:7500 Date: AUG. 1, 1980 Plate 2

NCI - 119 - C.L.

FORM 210 0680

WHIP 1

WHIP 2

WHIP 3

WHIP 4

ELL CLAIMS

L1459

L1550

L1551

L1552

L172

L174

L1554

L1553

5900

6000

5600

5500

## LEGEND

- ROAD
- TRENCH
- SWAMP
- SOIL SAMPLE — Cu (ppm) / Mo (ppm)
- SILT SAMPLE — Cu (ppm) / Mo (ppm)
- NO SAMPLE RESULT

SCALE

0 100 200 300 400 500 m

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 8244

Plate 3 — To accompany Assessment Report by J.C. Caelles — Dated August 12, 1980

# WHIP PROPERTY

92H/7

GEOCHEMICAL SURVEY

Cu (ppm)
Mo (ppm)

| Drawn by: JCC | Traced by: R.M. | | |
|---|---|---|---|
| Revised by / Date | Revised by / Date | | |
| | | Scale: 1:7,500 | Date: AUG. 1, 1980 |
| | | | Plate: 3 |

NCI - 119 - C.L.

FORM 210 0680

WHIP 1

WHIP 2

WHIP 3

WHIP 4

ELL CLAIMS

L1459

L1550

L1551

L1552

L174

L172

L1554

L1553

5900

6000

5600

5550

5Pb

100 Zn

LEGEND

ROAD

TRENCH

SWAMP

SOIL SAMPLE Pb (ppm) / Zn (ppm)

SILT SAMPLE Pb (ppm) / Zn (ppm)

NO SAMPLE RESULT

SCALE

0 100 200 300 400 500 m

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8244

Plate 4 – To accompany Assessment Report by J.C. Caelles – Dated August 12, 1980

WHIP PROPERTY

92H/7

GEOCHEMICAL SURVEY

Pb (ppm) / Zn (ppm)

| Drawn by: JCC | Traced by: J. Prof. |
|---|---|
| Revised by / Date | Revised by / Date |
| | J. Prof. Aug. 12/80 |

Scale: 1:7,500 Date: AUG. 1, 1980 Plate 4