# ARIS SUMMARY SHEET

District Geologist, Kamloops  Off Confidential: 89.06.17

ASSESSMENT REPORT 17672  MINING DIVISION: Clinton

PROPERTY: Horse
LOCATION: LAT 51 57 00 LONG 120 53 00
UTM 10 5757375 645469
NTS 092P15W
CLAIM(S): Horse
OPERATOR(S): Canevex Res.
AUTHOR(S): Morton, J.W.
REPORT YEAR: 1988, 16 Pages
COMMODITIES
SEARCHED FOR: Copper,Gold,Platinum
GEOLOGICAL
SUMMARY: Copper and magnetite mineralization occur with anomalous gold and platinum indications in mafic alkalic rocks. The hosting alkalic intrusive is believed to be a border phase of the Triassic age Takomkane batholith.
KEYWORDS: Quesnel Trough,Takomkane Batholith,Triassic-Jurassic,Nicola Group Alkalic intrusives,Magnetite
WORK
DONE: Geochemical
LINE 1.2 km
ROCK 10 sample(s) ;ME
SOIL 49 sample(s) ;ME

RECONNAISSANCE SOIL GEOCHEMICAL SURVEY

HORSE CLAIM



Record #2303
CLINTON MINING DIVISION
NTS 92 P/15W

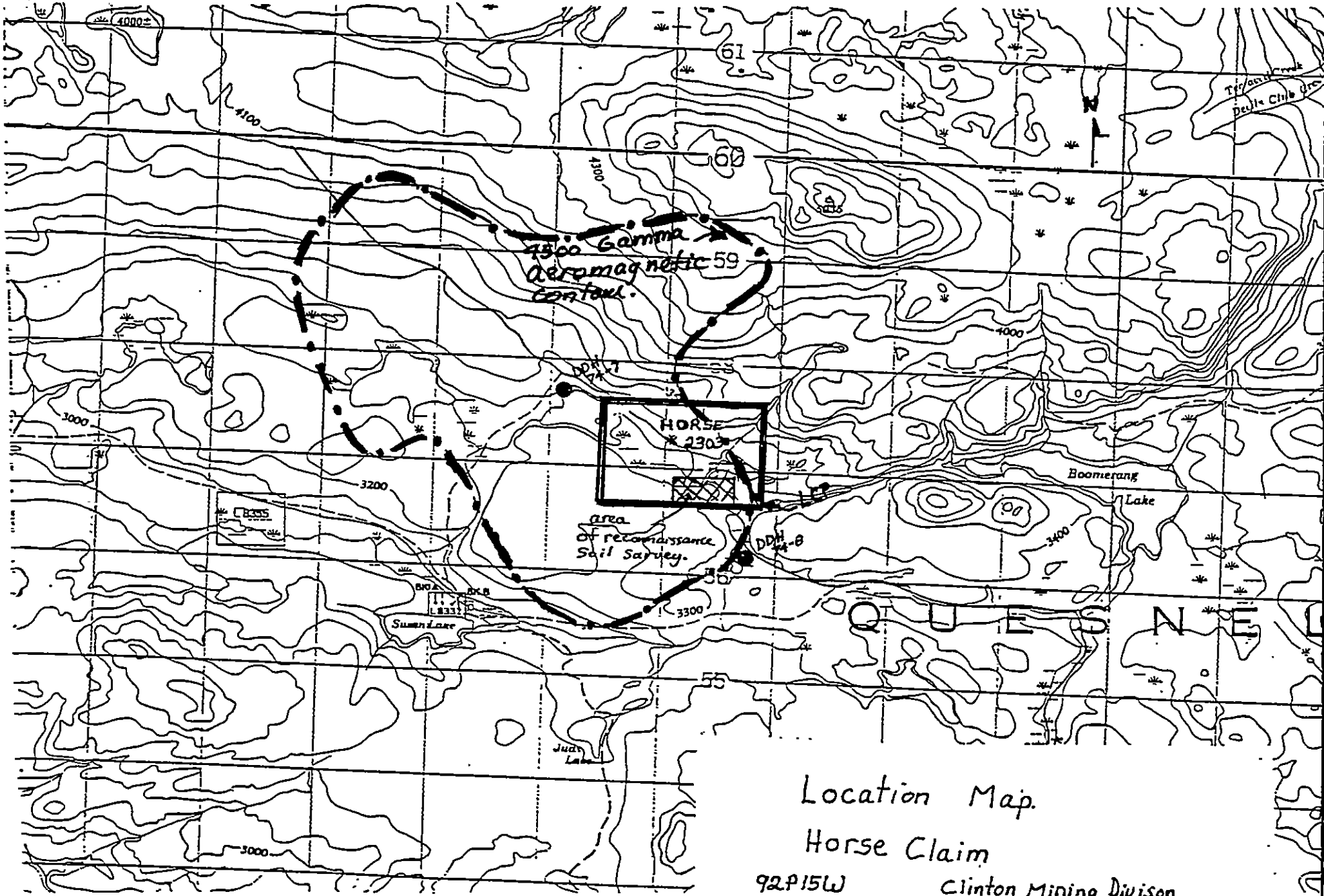
Latitude: 51 degrees, 57 minutes north
Longitude: 120 degrees, 53 minutes west



Owner of Claims: Canevex Resources Ltd.
Operator of Claims: Canevex Resources Ltd.

Author: J. W. Morton, M.Sc.
Date: July 1988

TABLE OF CONTENTS




Location Map.

Horse Claim

92P15W Clinton Mining Division

0 km 1

Figure 1

# A. INTRODUCTION

## 1. Location and Physiographic Position

The Horse claim (Canim Project) is located in the Clinton Mining Division of British Columbia, 45 kilometres northeast of the community of 100 Mile House. More precisely, it is located at 51 degrees, 57 minutes north latitude and 120 degrees, 53 minutes west longitude. (NTS Map 92P/15W.) The Horse claim is readily accessible from 100 Mile House via 42 kilometres of paved highway to the community of Eagle Creek, followed by 5 kilometres on the Hendrix Lake all-weather gravel road, and then 9 kilometres on the Lang Lake forest access road.

The claim lies in the Quesnel Highland physiographic region of the central interior of B.C. This region is characterized by broad valleys and gently rolling hills with elevations on the Horse property ranging from 1,000 to 1,300 metres above sea level. Many of the valley bottoms are characterized by poor drainage and are occupied by small lakes and swamps.

Soils occurring in this area of the interior are well developed brunisolic and luvisolic types developed on 3 to 10 metre depths of glacial till.

Vegetation occurring on the Horse claim is a wet coniferous forest type with the predominant species consisting of fir, spruce and cedar with variable undergrowths of alder and ferns. Much of this area of the Quesnel Highlands has recently been clear-cut logged. Active logging is presently in progress in the general area of the property.

## 2. Geology & Mineralization

The Horse claim is located within the southern extension of a structural feature known as the Quesnel Trough. It is located near the contact of the Triassic-Jurassic Age Takomkane batholith with Triassic Age Nicola Group volcanic rocks. The Quesnel Trough is a 30 to 60 kilometre wide linear belt of Mesozoic volcanic and related strata enclosed to the east and west by Paleozoic rocks. This Mesozoic succession is predominantly composed of mafic volcanic rocks and is often invaded by batholiths and lesser intrusions. Many of the invading intrusive centres are alkalic, and often show a strong positive regional aeromagnetic response.

The area of the Horse claim covers a strong positive regional aeromagnetic anomaly. It is reflected on the ground by magnetite rich (up to 40% magnetite) alkalic intrusive rocks that underlie much of the claim group. Lithologies that occur in the intrusive vary from mafic diorite to pyroxenite or hornblendite and are best described as being ultramafic. Widespread disseminated chalcopyrite occurs with abundant magnetite in the ultramafic intrusive. Pickands Mather & Co., who explored the intrusive in the early 1970's, did not include gold or platinum in their analyses although these elements are now recognized to have affinities for this type of zoned 'Alaskan type' intrusion (ie. Tulameen Complex B.C.).

Target types include shear zone related hydrothermal precious metal systems and magmatic segregation accumulations of copper and platinum group metals.

## B. SUMMARY OF WORK COMPLETED

- 1.2 kilometres of hip chained and flagged grid established.
- 49 soil samples collected and analyzed by multi-element methods. (Rock samples are from the property while the core samples are from drill holes adjacent to the property but representative of the intrusive.)
- soils were collected from a poorly developed B+f horizon from a depth of 30 to 50 cm. Samples were placed in paper sample bags and air dried before shipment to Acme Analytical Labs in Vancouver. Laboratory procedures are outlined on top of the geochemical certificates.

## C. DETAILED TECHNICAL DATA AND CONCLUSIONS

The purpose of the reconnaissance soil survey was to ascertain whether or not previously reported copper anomalies were anomalous in precious metal content. To this end a small soil grid totalling 49 soil samples was established in an area where Pickands Mather and Co. had reported copper anomalies in 1974. Ten rock samples including 7 from 1974 vintage drill core were likewise analyzed for base metals and gold and additionally for platinum group metals.

Results indicate that a weak anomalous soil gold correlation exists with anomalous copper. Nine of the 49 soil samples exceed 10 ppb in gold content. Some moderate geochemical platinum group metal responses were likewise obtained from the core samples with values up to 45 ppb Pt and 46 ppb Pd being obtained. It is there postulatead that the matic intrusive underlying most of the Horse claim may be enriched in Platinum Group metals.

It is concluded that an operational scale soil survey is warranted to establish the extent of gold and platinum group metal anomalies that may exist.

D. COST STATEMENT

| | | | |
|---|---|---|---|
| T. MacKenzie | May 15, 1988 | 1 day @ $200/day | $ 200.00 |
| M. Kilby | May 15, 1988 | 1 day @ $200/day | 200.00 |
| J.W. Morton | June 3, 1988 | 1 day @ $300/day | 300.00 |
| Analytical | 49 soil samples | | 642.50 |
| | 10 rock samples | | 197.00 |
| Truck Rental | May 15, 1988 | 1 day @ $60/day | 60.00 |
| Report Preparation | | | 500.00 |
| TOTAL | | | $2,100.00 |

## E. STATEMENT OF QUALIFICATIONS

I, James William Morton, of 2750 Alma Street, Vancouver, British Columbia, do hereby certify:

1. I graduated from Carleton University, Ottawa, in 1971 with a Bachelor of Science in Geology.

2. I graduated from the University of British Columbia, Vancouver, in 1976 with a Master of Science in Soil Science.

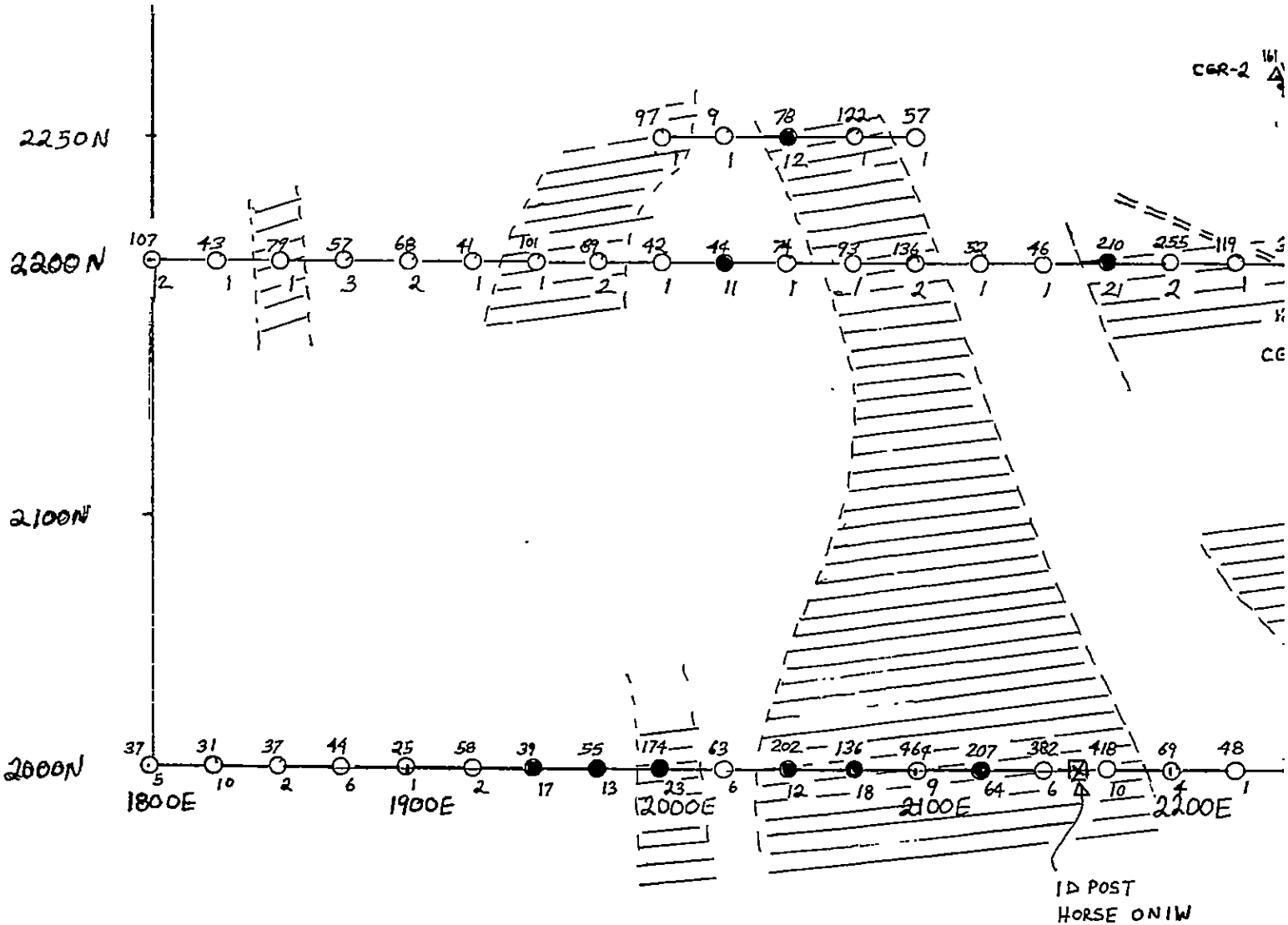
3. I am a fellow of the Geological Association of Canada.

4. I have worked for various mining and exploration companies since graduation.

5. I supervised the work described in this report.

J. W. Morton, M. Sc., F.G.A.C.
Geologist

Dated at Vancouver, British Columbia, this 8th day of August, 1988.


2250N
2200N
2100N
2000N
CGR-2
1800E
1900E
2000E
2100E
2200E
ID POST
HORSE ON IW

APPENDIX 1: Geochemical Certificates

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 16 1988 DATE REPORT MAILED: May 19/88 ASSAYER..C. Leong..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION PROJECT-CANIM File # 88-1455 Page 1

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Co PPM | Mn PPM | Fe % | As PPM | U PPM | Au PPM | Th PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | W PPM | Au** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CG 22+50N 20+00E | 1 | 97 | 5 | 60 | .4 | 29 | 21 | 243 | 5.20 | 2 | 5 | ND | 3 | 43 | 1 | 2 | 2 | 204 | .58 | .128 | 4 | 34 | 1.33 | 120 | .21 | 9 | 2.06 | .07 | .09 | 1 | 1 |
| CG 22+50N 20+25E | 1 | 9 | 6 | 49 | .1 | 10 | 9 | 209 | 2.44 | 2 | 5 | ND | 1 | 32 | 1 | 2 | 2 | 96 | .36 | .106 | 2 | 11 | .52 | 92 | .17 | 14 | .73 | .04 | .05 | 1 | 1 |
| CG 22+50N 20+50E | 1 | 78 | 5 | 68 | .1 | 37 | 22 | 239 | 6.77 | 3 | 5 | ND | 1 | 50 | 1 | 2 | 2 | 257 | .66 | .226 | 3 | 58 | 1.31 | 143 | .21 | 8 | 1.85 | .04 | .08 | 1 | 12 |
| CG 22+50N 20+75E | 1 | 122 | 3 | 55 | .3 | 48 | 21 | 303 | 5.08 | 2 | 5 | ND | 2 | 49 | 1 | 2 | 2 | 189 | .68 | .054 | 8 | 71 | 1.38 | 125 | .21 | 6 | 1.88 | .04 | .10 | 1 | 1 |
| CG 22+50N 21+00E | 1 | 57 | 5 | 65 | .2 | 44 | 16 | 238 | 3.79 | 7 | 5 | ND | 2 | 39 | 1 | 2 | 2 | 110 | .61 | .078 | 6 | 72 | 1.02 | 106 | .16 | 10 | 1.94 | .01 | .09 | 1 | 1 |
| CG 22N 18+00E | 1 | 107 | 2 | 59 | .3 | 39 | 24 | 293 | 6.91 | 4 | 5 | ND | 2 | 63 | 1 | 2 | 2 | 293 | .94 | .087 | 3 | 100 | 1.66 | 75 | .24 | 5 | 1.67 | .10 | .11 | 1 | 2 |
| CG 22N 18+25E | 1 | 43 | 6 | 97 | .1 | 42 | 27 | 347 | 4.29 | 3 | 5 | ND | 2 | 51 | 1 | 2 | 2 | 144 | .60 | .082 | 5 | 80 | .98 | 113 | .19 | 2 | 2.02 | .04 | .08 | 1 | 1 |
| CG 22N 18+50E | 1 | 79 | 2 | 52 | .2 | 48 | 19 | 358 | 3.89 | 7 | 5 | ND | 4 | 44 | 1 | 2 | 2 | 118 | .63 | .042 | 9 | 94 | 1.34 | 98 | .20 | 7 | 1.86 | .03 | .11 | 1 | 1 |
| CG 22N 18+75E | 1 | 57 | 2 | 63 | .1 | 38 | 20 | 476 | 3.62 | 3 | 5 | ND | 3 | 39 | 1 | 2 | 2 | 104 | .58 | .052 | 7 | 80 | 1.20 | 86 | .18 | 4 | 1.96 | .02 | .10 | 1 | 3 |
| CG 22N 19+00E | 1 | 68 | 4 | 54 | .2 | 39 | 16 | 314 | 3.84 | 3 | 5 | ND | 3 | 45 | 1 | 2 | 2 | 131 | .62 | .056 | 7 | 74 | 1.11 | 100 | .17 | 8 | 1.55 | .05 | .13 | 1 | 2 |
| CG 22N 19+25E | 1 | 41 | 3 | 82 | .3 | 43 | 16 | 324 | 3.07 | 5 | 5 | ND | 3 | 32 | 1 | 3 | 2 | 80 | .46 | .097 | 6 | 72 | .85 | 143 | .14 | 7 | 1.89 | .02 | .09 | 1 | 1 |
| CG 22N 19+50E | 1 | 101 | 3 | 96 | .2 | 57 | 21 | 227 | 5.90 | 4 | 5 | ND | 2 | 39 | 1 | 2 | 2 | 212 | .54 | .141 | 4 | 73 | .96 | 160 | .17 | 8 | 2.66 | .04 | .10 | 1 | 1 |
| CG 22N 19+75E | 1 | 89 | 3 | 50 | .2 | 46 | 16 | 296 | 3.88 | 2 | 5 | ND | 2 | 45 | 1 | 2 | 2 | 135 | .63 | .026 | 8 | 67 | 1.14 | 104 | .18 | 19 | 1.80 | .05 | .10 | 1 | 2 |
| CG 22N 20+00E | 1 | 42 | 3 | 58 | .1 | 36 | 14 | 292 | 3.09 | 2 | 5 | ND | 2 | 36 | 1 | 2 | 2 | 93 | .56 | .065 | 6 | 58 | .74 | 89 | .15 | 3 | 1.69 | .03 | .10 | 1 | 1 |
| CG 22N 20+25E | 1 | 44 | 6 | 37 | .3 | 22 | 10 | 161 | 2.46 | 2 | 5 | ND | 3 | 27 | 1 | 2 | 3 | 75 | .38 | .030 | 5 | 33 | .44 | 79 | .13 | 16 | 1.31 | .04 | .06 | 2 | 11 |
| CG 22N 20+50E | 1 | 74 | 3 | 57 | .2 | 38 | 18 | 283 | 4.45 | 3 | 5 | ND | 3 | 46 | 1 | 2 | 2 | 170 | .63 | .034 | 6 | 66 | 1.14 | 71 | .19 | 12 | 1.56 | .04 | .08 | 1 | 1 |
| CG 22N 20+75E | 1 | 93 | 3 | 46 | .5 | 47 | 16 | 344 | 3.77 | 2 | 5 | 3 | 4 | 49 | 1 | 2 | 2 | 118 | .73 | .070 | 10 | 86 | 1.35 | 94 | .18 | 17 | 1.46 | .04 | .13 | 2 | 1 |
| CG 22N 21+00E | 1 | 136 | 2 | 58 | .2 | 55 | 20 | 342 | 4.66 | 4 | 5 | ND | 3 | 54 | 1 | 2 | 2 | 157 | .77 | .107 | 6 | 106 | 1.78 | 111 | .19 | 7 | 1.94 | .04 | .09 | 1 | 2 |
| CG 22N 21+25E | 1 | 52 | 3 | 56 | .1 | 35 | 16 | 176 | 3.60 | 2 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 116 | .43 | .033 | 4 | 68 | .81 | 61 | .16 | 5 | 1.49 | .04 | .06 | 1 | 1 |
| CG 22N 21+50E | 1 | 46 | 7 | 82 | .3 | 37 | 18 | 223 | 4.18 | 2 | 5 | ND | 2 | 36 | 1 | 2 | 2 | 114 | .50 | .100 | 5 | 79 | .84 | 111 | .17 | 2 | 1.88 | .04 | .09 | 1 | 1 |
| CG 22N 21+75E | 1 | 210 | 5 | 74 | .2 | 62 | 23 | 210 | 4.96 | 2 | 5 | ND | 3 | 50 | 1 | 2 | 2 | 176 | .56 | .024 | 4 | 146 | 1.15 | 114 | .26 | 9 | 1.99 | .06 | .11 | 1 | 21 |
| CG 22N 22+00E | 1 | 255 | 4 | 39 | .3 | 51 | 19 | 362 | 4.41 | 2 | 5 | ND | 2 | 79 | 1 | 2 | 2 | 154 | 1.06 | .017 | 5 | 86 | 1.41 | 158 | .22 | 5 | 2.11 | .09 | .13 | 2 | 2 |
| CG 2200N 1800E | 1 | 37 | 5 | 70 | .1 | 36 | 17 | 222 | 3.83 | 4 | 5 | ND | 3 | 39 | 1 | 2 | 2 | 120 | .55 | .173 | 5 | 71 | .91 | 149 | .16 | 4 | 1.87 | .03 | .10 | 1 | 5 |
| CG 2200N 1825E | 1 | 31 | 6 | 68 | .3 | 28 | 16 | 217 | 3.81 | 2 | 5 | ND | 3 | 42 | 1 | 3 | 2 | 127 | .58 | .113 | 4 | 63 | .85 | 118 | .16 | 6 | 1.63 | .05 | .08 | 1 | 10 |
| CG 2200N 1850E | 1 | 37 | 6 | 68 | .2 | 39 | 17 | 205 | 3.69 | 2 | 5 | ND | 2 | 34 | 1 | 2 | 2 | 113 | .50 | .191 | 4 | 73 | .88 | 149 | .15 | 2 | 1.87 | .03 | .08 | 1 | 2 |
| CG 2200N 1875E | 1 | 44 | 4 | 56 | .3 | 35 | 16 | 242 | 3.92 | 2 | 8 | ND | 3 | 45 | 1 | 2 | 2 | 141 | .59 | .072 | 5 | 67 | .90 | 105 | .17 | 9 | 1.58 | .03 | .08 | 1 | 6 |
| CG 2200N 1900E | 1 | 25 | 5 | 74 | .2 | 28 | 15 | 384 | 3.16 | 2 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 103 | .42 | .082 | 4 | 46 | .58 | 90 | .15 | 6 | 1.49 | .04 | .07 | 1 | 1 |
| CG 2200N 1925E | 1 | 58 | 3 | 84 | .1 | 49 | 24 | 435 | 3.61 | 2 | 5 | ND | 3 | 34 | 1 | 2 | 2 | 133 | .50 | .039 | 3 | 87 | 1.22 | 78 | .20 | 9 | 1.35 | .03 | .06 | 1 | 2 |
| CG 2200N 1950E | 1 | 39 | 2 | 67 | .2 | 43 | 19 | 242 | 4.62 | 3 | 5 | ND | 2 | 41 | 1 | 2 | 2 | 168 | .59 | .044 | 5 | 76 | .94 | 108 | .20 | 2 | 1.68 | .06 | .08 | 1 | 17 |
| CG 2200N 1975E | 1 | 55 | 3 | 44 | .1 | 36 | 16 | 240 | 3.86 | 2 | 5 | ND | 2 | 46 | 1 | 2 | 2 | 143 | .60 | .030 | 5 | 74 | 1.00 | 91 | .19 | 4 | 1.47 | .04 | .07 | 1 | 13 |
| CG 2200N 2000E | 1 | 174 | 4 | 98 | .2 | 57 | 20 | 201 | 4.76 | 2 | 5 | ND | 2 | 42 | 1 | 2 | 2 | 152 | .56 | .155 | 5 | 102 | 1.08 | 112 | .20 | 2 | 2.43 | .04 | .09 | 1 | 23 |
| CG 2200N 2025E | 1 | 63 | 5 | 100 | .1 | 37 | 16 | 331 | 3.68 | 2 | 5 | ND | 2 | 40 | 1 | 2 | 2 | 123 | .54 | .109 | 4 | 69 | .78 | 150 | .17 | 2 | 1.86 | .04 | .08 | 1 | 6 |
| CG 2200N 2050E | 1 | 202 | 5 | 95 | .3 | 49 | 21 | 397 | 5.44 | 2 | 5 | ND | 2 | 47 | 1 | 2 | 2 | 204 | .62 | .114 | 4 | 83 | 1.18 | 137 | .18 | 2 | 1.97 | .05 | .09 | 1 | 12 |
| CG 2200N 2075E | 1 | 136 | 3 | 56 | .2 | 23 | 18 | 295 | 5.25 | 2 | 5 | ND | 1 | 80 | 1 | 2 | 2 | 233 | .96 | .055 | 2 | 44 | 1.23 | 94 | .22 | 3 | 1.45 | .11 | .11 | 1 | 18 |
| CG 2200N 2100E | 1 | 464 | 2 | 47 | .3 | 44 | 22 | 286 | 4.67 | 2 | 5 | ND | 2 | 60 | 1 | 2 | 2 | 184 | .76 | .032 | 4 | 48 | 1.38 | 121 | .21 | 6 | 2.07 | .08 | .09 | 2 | 9 |
| CG 2200N 2125E | 1 | 207 | 4 | 42 | .3 | 30 | 17 | 253 | 4.78 | 2 | 5 | ND | 2 | 63 | 1 | 2 | 2 | 188 | .81 | .016 | 4 | 71 | 1.19 | 77 | .20 | 9 | 1.68 | .04 | .10 | 1 | 64 |
| STD C/AU-S | 20 | 63 | 40 | 132 | 7.6 | 72 | 30 | 1060 | 3.96 | 41 | 24 | 8 | 40 | 53 | 20 | 17 | 20 | 60 | .48 | .090 | 42 | 61 | .96 | 181 | .07 | 33 | 1.79 | .08 | .16 | 14 | 48 |

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Co PPM | Mn PPM | Fe % | As PPM | U PPM | Au PPM | Th PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | W PPM | Au** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CG 2000N 2150E | 1 | 382 | 8 | 56 | .3 | 49 | 20 | 251 | 4.15 | 4 | 5 | ND | 1 | 49 | 1 | 3 | 2 | 134 | .75 | .013 | 7 | 75 | 1.02 | 203 | .20 | 12 | 2.54 | .05 | .10 | 1 | 6 |
| CG 2000N 2175E | 1 | 418 | 6 | 47 | .1 | 42 | 16 | 402 | 3.35 | 4 | 5 | ND | 1 | 44 | 1 | 2 | 2 | 101 | .64 | .029 | 8 | 79 | 1.14 | 145 | .17 | 8 | 2.10 | .04 | .09 | 1 | 10 |
| CG 2000N 2200E | 1 | 69 | 6 | 60 | .1 | 31 | 16 | 272 | 3.64 | 3 | 5 | ND | 1 | 37 | 1 | 2 | 2 | 113 | .46 | .086 | 5 | 81 | .77 | 122 | .15 | 2 | 1.45 | .04 | .06 | 1 | 4 |
| CG 2000N 2225E | 1 | 48 | 8 | 71 | .1 | 33 | 19 | 356 | 4.11 | 3 | 5 | ND | 1 | 34 | 1 | 4 | 2 | 126 | .45 | .107 | 4 | 89 | .77 | 110 | .14 | 2 | 1.77 | .03 | .06 | 1 | 1 |
| CG 2000N 2250E | 1 | 51 | 5 | 97 | .1 | 45 | 19 | 322 | 4.18 | 2 | 5 | ND | 1 | 36 | 1 | 2 | 2 | 118 | .46 | .160 | 6 | 97 | .95 | 155 | .16 | 8 | 2.20 | .03 | .10 | 1 | 1 |
| CG 2000N 2275E | 1 | 59 | 6 | 76 | .1 | 48 | 19 | 295 | 4.32 | 2 | 5 | ND | 2 | 39 | 1 | 2 | 4 | 125 | .52 | .112 | 5 | 102 | .99 | 102 | .16 | 4 | 2.22 | .03 | .07 | 1 | 1 |
| CG 2000N 2300E | 1 | 168 | 7 | 49 | .1 | 45 | 39 | 230 | 5.25 | 3 | 5 | ND | 1 | 54 | 1 | 2 | 2 | 167 | .55 | .028 | 4 | 111 | 1.19 | 98 | .21 | -1 | 1.92 | .03 | .07 | 2 | 1 |
| CG 2000N 2325E | 1 | 209 | 9 | 66 | .1 | 48 | 20 | 423 | 4.72 | 5 | 5 | ND | 1 | 63 | 1 | 2 | 4 | 146 | .71 | .090 | 5 | 102 | 1.15 | 126 | .17 | 5 | 2.22 | .04 | .08 | 1 | 9 |
| CG 2000N 2350E | 1 | 68 | 13 | 61 | .1 | 41 | 27 | 342 | 5.39 | 2 | 5 | ND | 1 | 64 | 1 | 3 | 4 | 166 | .67 | .172 | 5 | 125 | 1.19 | 140 | .16 | 7 | 1.72 | .04 | .07 | 1 | 1 |
| CG 2000N 2375E | 1 | 139 | 6 | 44 | .1 | 60 | 24 | 280 | 5.88 | 4 | 5 | ND | 1 | 52 | 1 | 2 | 6 | 209 | .78 | .037 | 6 | 171 | 1.24 | 122 | .21 | 16 | 1.77 | .04 | .06 | 1 | 1 |
| STD C/AU-S | 21 | 61 | 44 | 132 | 7.5 | 73 | 29 | 1042 | 4.08 | 40 | 15 | 8 | 40 | 53 | 20 | 16 | 21 | 60 | .46 | .091 | 40 | 61 | .90 | 183 | .08 | 31 | 1.98 | .07 | .14 | 12 | 50 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL Au* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 06 1988 DATE REPORT MAILED: June 13/88 ASSAYER. C. Leong .D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION PROJECT-CANIM File # 88-1768

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Co PPM | Mn PPM | Fe % | As PPM | U PPM | Au PPM | Th PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | W PPM | Au* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22N 20+75E | 1 | 26 | 9 | 91 | .1 | 28 | 12 | 205 | 3.48 | 2 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 95 | .51 | .112 | 5 | 64 | .59 | 80 | .13 | 8 | 1.76 | .03 | .05 | 1 | 2 |
| 22N 22+25E | 1 | 119 | 5 | 73 | .1 | 89 | 26 | 251 | 5.63 | 3 | 5 | ND | 1 | 37 | 1 | 2 | 2 | 170 | .46 | .099 | 4 | 195 | 1.47 | 153 | .20 | 2 | 2.42 | .03 | .06 | 1 | 1 |
| 22N 22+50E | 1 | 325 | 8 | 57 | .1 | 26 | 24 | 272 | 6.73 | 3 | 5 | ND | 1 | 53 | 1 | 2 | 2 | 247 | .81 | .150 | 3 | 92 | 1.73 | 146 | .21 | 2 | 2.22 | .08 | .07 | 1 | 2 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

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THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK/CORE AU** PT** PD** RH** BY FA-MS.

DATE RECEIVED: JUN 06 1988 DATE REPORT MAILED: June 10/88 ASSAYER..C. Leong..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

MINCORD EXPLORATION PROJECT-CANIM File # 88-1769

| SAMPLE# | Mo PPM | Cu PPM | Pb PPM | Zn PPM | Ag PPM | Ni PPM | Co PPM | Mn PPM | Fe % | As PPM | U PPM | Au PPM | Th PPM | Sr PPM | Cd PPM | Sb PPM | Bi PPM | V PPM | Ca % | P % | La PPM | Cr PPM | Mg % | Ba PPM | Ti % | B PPM | Al % | Na % | K % | W PPM | Au** PPB | Pt** PPB | Pd** PPB | Rh** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CGR-1 | 1 | 1275 | 2 | 37 | .8 | 21 | 21 | 380 | 4.78 | 10 | 5 | ND | 1 | 96 | 1 | 2 | 2 | 213 | 1.85 | .071 | 2 | 125 | 2.27 | 184 | .21 | 6 | 1.51 | .14 | .12 | 1 | 100 | 6 | 3 | 2 |
| CGR-2 | 1 | 161 | 2 | 45 | .1 | 75 | 24 | 449 | 5.29 | 13 | 5 | ND | 1 | 162 | 1 | 2 | 2 | 195 | 2.57 | .190 | 3 | 187 | 2.71 | 145 | .17 | 5 | 2.18 | .24 | .18 | 1 | 9 | 7 | 13 | 2 |
| CGR-3 | 1 | 248 | 2 | 597 | 1.1 | 42 | 28 | 1442 | 8.15 | 175 | 5 | ND | 2 | 107 | 3 | 2 | 2 | 189 | 4.26 | .091 | 4 | 111 | 3.44 | 15 | .01 | 2 | 3.57 | .01 | .07 | 1 | 8 | 5 | 17 | 2 |
| CGR-4 | 1 | 380 | 2 | 71 | .2 | 26 | 25 | 568 | 5.19 | 2 | 5 | ND | 1 | 86 | 1 | 2 | 2 | 140 | 2.93 | .080 | 3 | 43 | 2.78 | 10 | .17 | 3 | 1.98 | .02 | .08 | 1 | 6 | 6 | 35 | 2 |
| CGR-5 | 1 | 212 | 2 | 34 | .2 | 24 | 23 | 345 | 3.83 | 3 | 5 | ND | 2 | 43 | 1 | 2 | 2 | 105 | 1.74 | .096 | 3 | 37 | 1.23 | 18 | .13 | 6 | 1.27 | .06 | .13 | 1 | 1 | 7 | 10 | 2 |
| CGR-6 | 1 | 4 | 2 | 43 | .1 | 22 | 18 | 391 | 4.37 | 2 | 5 | ND | 2 | 50 | 1 | 2 | 2 | 144 | 1.84 | .097 | 3 | 42 | 1.39 | 18 | .16 | 7 | 1.45 | .03 | .11 | 1 | 1 | 6 | 9 | 2 |
| CGR-7 | 1 | 197 | 2 | 52 | .1 | 44 | 21 | 431 | 3.62 | 3 | 5 | ND | 1 | 61 | 1 | 2 | 2 | 93 | 2.50 | .096 | 4 | 70 | 1.26 | 28 | .16 | 2 | 1.48 | .03 | .10 | 1 | 1 | 4 | 6 | 2 |
| CGR-8 | 1 | 344 | 3 | 38 | .5 | 26 | 36 | 489 | 4.62 | 3 | 5 | ND | 1 | 59 | 1 | 2 | 2 | 89 | 3.41 | .089 | 3 | 29 | 1.06 | 10 | .13 | 2 | 1.13 | .01 | .08 | 1 | 3 | 6 | 11 | 2 |
| CGR-9 | 1 | 4 | 2 | 27 | .1 | 80 | 34 | 338 | 7.43 | 6 | 5 | ND | 1 | 70 | 1 | 2 | 2 | 295 | 1.72 | .003 | 2 | 285 | 3.18 | 452 | .22 | 3 | 1.42 | .05 | .66 | 1 | 1 | 45 | 2 | 2 |
| CGR-10 | 1 | 1039 | 2 | 45 | .1 | 35 | 106 | 277 | 15.28 | 2 | 5 | ND | 2 | 34 | 1 | 2 | 2 | 754 | .54 | .004 | 2 | 16 | 2.61 | 80 | .33 | 10 | 1.65 | .06 | .81 | 1 | 15 | 21 | 46 | 2 |
| STD C/FA-5X | 18 | 60 | 39 | 132 | 6.8 | 70 | 30 | 1042 | 4.10 | 39 | 16 | 7 | 37 | 51 | 18 | 17 | 19 | 63 | .49 | .086 | 40 | 59 | .95 | 179 | .07 | 33 | 1.74 | .06 | .14 | 11 | 97 | 97 | 99 | 24 |

# APPENDIX 2: Lithologic Descriptions

| SAMPLE # | DRILL HOLE # | LITHOLOGICAL DESCRIPTIONS |
|---|---|---|
| CGR-1 | | composite sample; hornblendite and pyroxenite, Cpy, Mag, Mal; 3 m road balast trench trending 220 degrees |
| CGR-2 | | hornblendite less pegmatitic than CGR-1 |
| CGR-3 | | hornblende pegmatite; more magacrystic felspar phenocrysts |
| CGR-4 | DDH 74 - 8 186 - 188' | fine grained diorite; epidote blotches; minor disseminated Cpy; chloritic limonitic shears at 70 degrees to CA; magnetic |
| CGR-5 | DDH 74 - 8 243 - 245' | altered fine grained feldspar amphibole porphyry, augite (?) phenocrysts; disseminated and fracture controlled sulfides; epidote knots |
| CGR-6 | DDH 74 - 8 298 - 300' | altered fine grained feldspar amphibole porphyry; circular epidote alteration knots; magnetic |
| CGR-7 | DDH 74 - 8 50 - 60' | porphyry, augite (?) phenocrysts; disseminated and fracture controlled sulfides; epidote knots sulfides; sulfide covered fracture 50 degrees to CA; some sericitic alteration banding 015 |
| CGR-8 | DDH 74 - 8 120'-123' | altered grey fspar porphyry; alteration dominated by light green epidote and felsite with disseminated, fracture and bleby sulfides 2 - 5% by volume; hint of stockwork veining; non-magnetic; chloritic fractures |
| CGR-9 | DDH 74 - 7 258 - 260' | green propylitized amphibole rich rock; large blebs > 1 cm of magnetite; blebs of bladed grey-brown mica; fractures 70 degrees to CA |
| CGR-10 | DDH 74 - 7 222 - 223' | greenish felspar porphyry; 20% magnetite (by volume) minor sulfides; dark brown mica; strongly magnetic |