

GM 51966

DIAMOND DRILLING LOGS, COURAGEOUS PROPERTY, PROJECT 303

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CAMÉRA:

MODÈLE

MRD-2-1

NUMÉRO DE SÉRIE

TAUX DE RÉDUCTION:

27x

DATE: 22 SEPT-1993

OPÉRATEUR(TRICE):

J.B.

AUR RESOURCES INC.

MER - SYSTEME
DE GESTION DES
QUEBEC

'93 MAR 23 -9 53

DIAMOND DRILL LOGS
1990-1991 Diamond Drilling Program
COURAGEOUS PROPERTY
Project 303
Louvicourt Township
Province of Quebec

ÉNERGIE ET RESSOURCES
SECTEUR MINES

19 MARS 1993

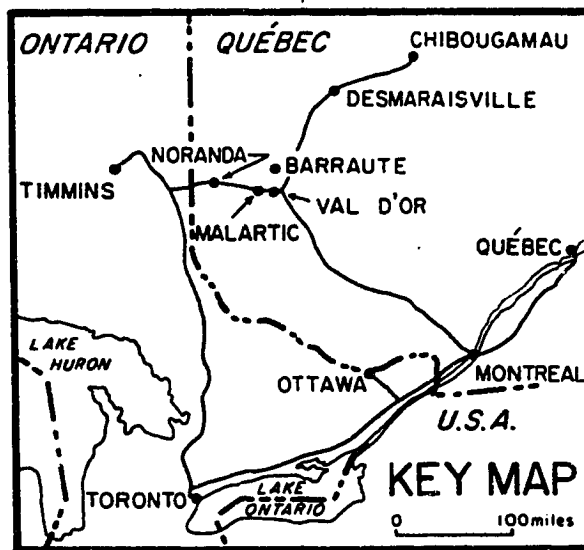
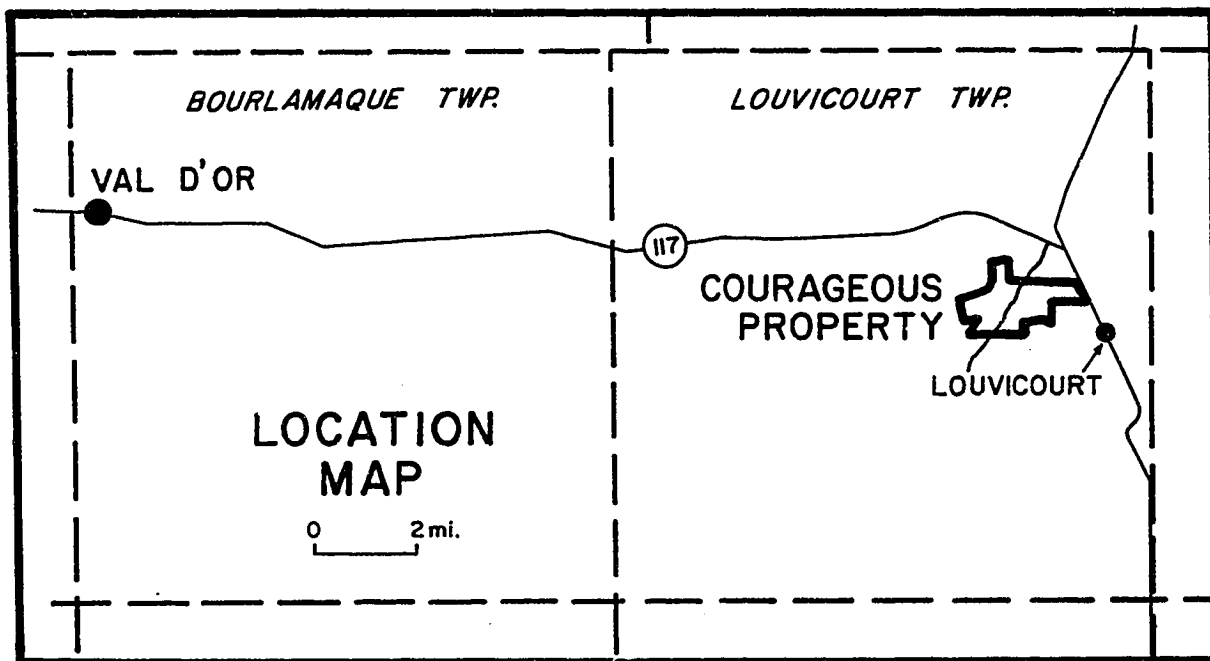
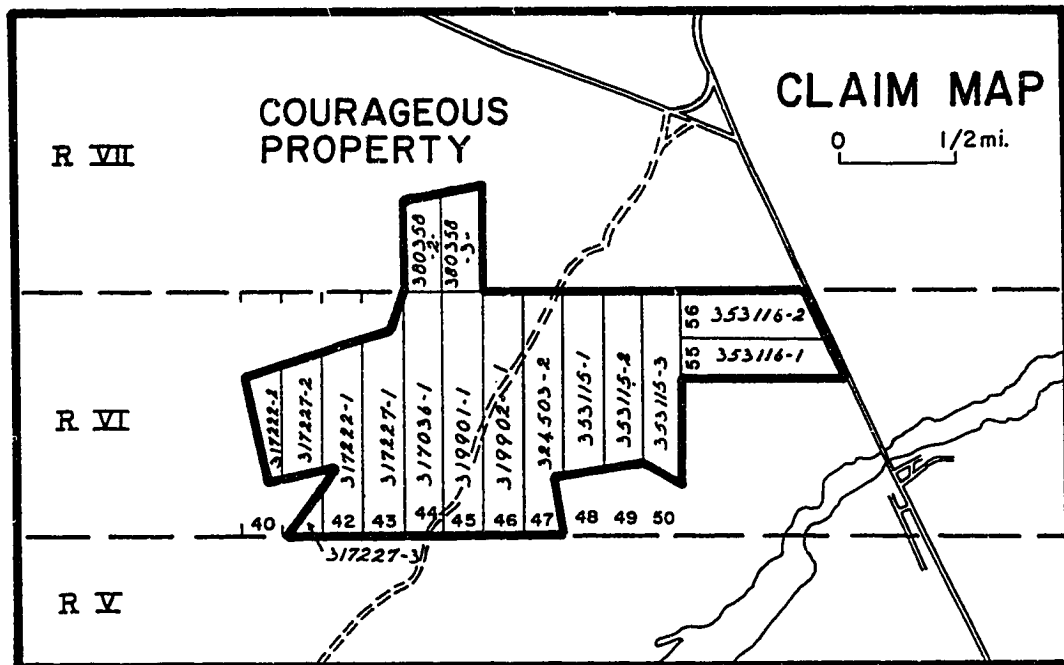
Bureau régional Val d'Or

MER - S.I.S.E.M.

1993/08/23

GM 51966

93081019



HOLE NO.: 303-2
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DIAMOND DRILL LOG

PROJECT: COURAGEOUS  
 PROVINCE:  
 N.T.S.: 32 C/3  
 TOWNSHIP: Louvicourt  
 RANGE: VI  
 LOT No.: 47  
 CLAIM No.: 324503-2

COLLAR LOCATION

LOCAL GRID: 19+50N  
 29+00W  
 SURVEYED GRID:

Date started: May 2, 1990  
 Date completed: May 7, 1990  
 Core size: 88  
 Drilled by: Forage Alexandre  
 Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -45.0  
 Collar azimuth: 180.0  
 Collar elevation: 10000.0 feet  
 Total length: 1108.0 feet

Sample Numbers: 79001-79073

TESTS:

| Depth | Azimuth | Dip   | Depth  | Azimuth | Dip   |
|-------|---------|-------|--------|---------|-------|
| 100.0 |         | -45.0 | 650.0  |         | -39.0 |
| 200.0 |         | -45.0 | 700.0  |         | -39.0 |
| 300.0 |         | -44.0 | 750.0  |         | -38.0 |
| 400.0 |         | -44.0 | 800.0  |         | -38.0 |
| 450.0 |         | -43.0 | 850.0  |         | -38.0 |
| 480.0 |         | -43.0 | 900.0  |         | -37.0 |
| 500.0 |         | -42.0 | 950.0  |         | -36.0 |
| 550.0 |         | -41.0 | 1000.0 |         | -36.0 |
| 580.0 |         | -40.0 | 1050.0 |         | -36.0 |
| 600.0 |         | -40.0 | 1100.0 |         | -35.0 |

FOOTAGE  
 From To

DESCRIPTION

- .0 42.0 OVERBURDEN  
 Casing left in the hole.
- 42.0 260.0 FELSIC VOLCANICS
  - 42.0 121.0 Intensely deformed felsic pyroclastite. Mylonitic or shear zone. Fine to medium grained, mylonitic and protomylonitic texture, seems to be laminated, medium grey, lapilli size felsic fragments within a chloritic and sericitic matrix, some place a light brown mineral fills the interstice: a phyllosilicate may be pyrophyllite, filling microfolding axis. Lamination: 65 deg/ca. Locally intense silicification with development of quartz veinlets. Rare specks of sulphide: pyrite chalcovrite. Many ground water channel way alteration zones where rock intensely oxidized, light to dark brown in colour, eg 46'- 73', 86-89', 115-118'.
  - 79401 56 68 IFA, mylonitic felsic pyroclastite.
  - 45.0 46.0 A mineralized zone, disseminated and stringer pyrite in the matrix of breccia.
  - 86.0 89.0 Fault zone Late fault zone.
  - 121.0 140.0 Finely laminated mylonitic zone, light grey and fine grained with bands of quartz rich material and maric white colour feldspar and phyllosilicate rich materials, and also light brown mineral. Intensely silicified zone. Foliation: 65-70 deg/ca. Broken core

HOLE NO.: 303-2

FOOTAGE  
From To

DESCRIPTION

- at 125-127' and ground water channel way alteration.
- 140.0 177.0 Intensely deformed mylonitic felsic pyroclastite. Same as above, fine to medium grained, lapilli size deformed fragments, laminated, light brown mineral in the matrix. Local quartz vein with speck of chalcopryrite, eg at 145.5' (15 ca). Broken core at 154', 157-158', 164-165' with ground water channel way alteration. Lamination: 70-75 deg/ca.
- 160.0 164.0 Mineralized A mineralized zone in felsic breccia, disseminated and stringer pyrite (5-8%) with speck of chalcopryrite in the matrix.
- 79402 71 79 WRA, mylonitized felsic pyroclastite.
- 177.0 237.0 Finely laminated mylonitic felsic pyroclastites. Same as above. Lamination : 65-70 deg/ca. Many milky quartz veins, eg at 187' (25cm) with some sericite at 211.5' over 2' with brown oxidation in fractures. An andesitic dyke, fine grained, greenish dark grey at 213.5' over 2', weak mineralization and quartz rich weakly mineralized zone at 216' over 1'. Some section, eg 218-237, quartz rich materials with highly mylonitic texture. Bluish quartz (up to 20 %) phenoblasts at 200' over 10'.
- 79403 198 206.5 WRA, fine grained mylonitized felsic pyroclastite.
- 237.0 260.0 Intensely mylonitized felsic pyroclastite. Lapillistone, same as above, medium grey, laminated, light brown mineral in interstice, intense microfolding, at bottom contact a large milky quartz vein with local host rock materials, eg at 251' over 8'. Lamina.: 65-70 deg/ca.
- 250.0 258.0 Quartz vein.
- 260.0 510.0 ALUMINO-SILICATE ZONE  
Aluminosilicate zone. Intensely mylonitized zone, massive, light grey, laminated, alternating bands of quartz rich materials and of aluminosilicate minerals rich material (mm to cm), such as, white to bluish: ANDALUSITE, pink: DUMORTIERITE, light brown-beige: PYROPHYLLITE, bluish: KYANITE. Also some sericite, chlorite, feldspars and rutile. Sequence rich in quartz (up to 70%). Lamination: 65-70 deg/ca.
- 79404 261.5 270.5 WRA, aluminosilicate zone.
- 270.0 458.0 DYKE Dumortierite bearing zone. Dots or specks of pink dumortierite, sporadically and randomly distributed (0 to 20 %) throughout the aluminosilicate zone. Intimately associated to andalusite and some rutile, forming dots, stringers or nodules. Sequence seems to be a felsic pyroclastite, with intensely deformed fragments, mylonitic and shear zone.
- 79405 338 348, 79406 416 424 WRA, dumortierite bearing zone, and 79407 434 437 WRA, dumortierite rich zone.
- 301.0 309.0 A breccia zone, felsic angular fragments within pyrophyllite rich matrix (light brown mineral, soapy). Irregular and sporadic milky quartz veins (1 to 10 cm wide).
- 367.5 Euhedral, bluish kyanite crystals within milky quartz vein.
- 368.0 386.0 Andalusite and dumortierite rich zone: Andalusite: 20-30%, dumortierite: 15-20%.
- 388.0 398.0 Some place, enrichment in quartz (up to 90%).
- 434.0 437.0 Dumortierite (40-50%) zone, 79407 WRA.
- 444.0 453.0 Broken Highly broken zone (20 to 50%).
- 458.0 463.0 Finely laminated and microfolded quartz rich zone, and a fault zone at 462.5'.
- 463.0 494.0 DYKE Quartz porphyry, Fine grained, dark grey, 15-20% bluish quartz phenocrysts. Dyke associated a fault zone (highly broken core with clay mineral matrix). down contact is faulty and a quartz vein at 468' (1').
- 494.0 510.0 Finely laminated aluminosilicate rich felsic pyroclastites. Same as above. Lamination: 65-70 deg/ca. Locally bluish quartz phenoblasts. Quartz: 50 %, aluminosilicate minerals, especially andalusite (little white phenoblasts): 50%. Typical mylonitic and shear zone.
- 505.0 506.0 Fault zone A fault zone with clay minerals, or talc.

HOLE NO.: 303-2

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| FOOTAGE |       | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From    | To    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 510.0   | 678.0 | FELSIC VOLCANICS INTERMEDIATE VOLCANICS                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 510.0   | 569.0 | Pyroclastites, intensely deformed lapilli size fragments within chloritic matrix. Massive, medium grey, locally silicified, interstice filled by light brown mineral, a strong foliation: 65-70 deg/ca. Several milky quartz veins with chlorite or host rock materials, eg at 631' (10 cm), 541' (20 cm), 544' (30 cm), no visible sulphide associated. Local sporadic mineralization, disseminated or stringer sulphide, some place chalcopyrite>pyrite (at 565'). |
| 79408   | 520   | 530 WRA, intermediate pyroclastite.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 567.0   | 569.0 | DYKE Mineralized andesitic dyke, disseminated pyrite (3-4%). Massive, chloritized, fine grained, greenish grey.                                                                                                                                                                                                                                                                                                                                                      |
| 569.0   | 615.0 | Silicified Highly silicified zone, fine grained, light grey to beige, light brown mineral in the matrix or filled the interstice, local bluish quartz Again, chalcopyrite dominant sporadic mineralization, disseminated or stringers, eg chalcopyrite concentration at 612' over 2' with 5% sulph. Pyrite=chalcopyrite.                                                                                                                                             |
| 615.0   | 635.0 | DYKE Quartz diorite, fine to medium grained, bluish quartz phenoblasts, feldspar lattes within a chloritic matrix. 79409 623 633 WRA.                                                                                                                                                                                                                                                                                                                                |
| 635.0   | 678.0 | Intermediate pyroclastites, highly silicified, same as above. Disseminated sulphide mostly chalcopyrite (<1%). Several milky quartz veins, eg, at 642' (1'), 647' over 2.5', 656' (1.5'), 667.5' (15 cm) with carbonate, 673' over 2' quartz rich vein materials. Tourmaline occurrence within quartz vein (black), eg at 649'.                                                                                                                                      |
| 678.0   | 724.0 | DIORITE                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         |       | Diorite, typical 2D, fine grained, massive, feldspar lattes (50-60%) within a chloritic groundmass. 79410 708 718 WRA, dioritic rock.                                                                                                                                                                                                                                                                                                                                |
| 699.0   | 703.0 | Quartz vein milky quartz vein with local fine grained black tourmaline, no visible sulphide.                                                                                                                                                                                                                                                                                                                                                                         |
| 724.0   | 807.0 | INTERMEDIATE VOLCANICS                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|         |       | Intermediate volcanic, massive, lava flow with local chlorite rich silicified matrix which seems to be pillow matrix: 75-80 deg/ca, locally also light brown mineral. Some quartz vein with speck of chalcopyrite (<<1%), eg at 757' Sequence seems to be intensely silicified. Rare disseminated sulphide zone, eg at 792'.                                                                                                                                         |
| 79439   | 763   | 773 WRA, lava flow.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 776.0   | 789.0 | DYKE Felsic dyke, massive, fine grained, beige, intensely silicified matrix.                                                                                                                                                                                                                                                                                                                                                                                         |
| 807.0   | 854.0 | DIORITE                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         |       | Diorite, typical 2D in the Val d'Or mining district, fine to medium grained, composed of feldspar (50-60%) within chloritic and silicified matrix, massive weakly mineralized with disseminated sulphide (1 to 10%), containing phenocrysts of bluish quartz (up to 10%). Some speck of black tourmaline.                                                                                                                                                            |
| 79411   | 807   | 815 WRA, diorite 2D.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 854.0   | 899.0 | ALTERED MINERALIZED ZONE                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|         |       | Mineralized, felsic to intermediate volcanic, pyroclastite. Lapilli size felsic fragments within chloritic and silicified matrix. Intensely mineralized with disseminated pyrite and rare chalcopyrite in chloritic matrix. Some spots of black tourmaline. Sulphide: 3 to 15%, locally stringer pyrite or massive sulphide vein (1-2 mm). Some quartz veins with coarse grained pyrite                                                                              |

FOOTAGE  
From To

## DESCRIPTION

eg at 894'. Mineralization is homogeneous within silicified and chloritized 2D or intermediate to felsic pyroclastites.

79412 882 891 WRA, mineralized zone.

## 899.0 1108.0 DIORITE INTERMEDIATE VOLCANICS

Diorite, typical 2D or intermediate volcanic flow, fine grained, grey greenish, composed of feldspar (50%) within a chloritic and highly silicified groundmass or matrix, rare disseminated pyrite, should be a massive flow or subintrusive.

923.0 949.0 Mineralized felsic dyke swarm. Above sequence was cut by felsic and highly silicified dykes, several time, locally mineralized and sharp contact: 75-80 deg/ca, eg 923-927.5', 928.5-932', 936-939'(mineralized.), 944-946'(mineralized.), 948-949'(mineralized).

79413 923 928 WRA, felsic dyke.

949.0 Same intermediate rock, some place medium grained, looks like a 2D. Possibly massive lava flow. Some chloritized and quartz rich zone may be pillow matrix. It was cut by dioritic dyke (2D), eg at 1000' over 19'. Locally bluish quartz (up to 10%), due to intense silicification. In some place also intense mineralization with 6-8% pyrite, eg 1063-1067', and rare quartz vein, eg at 1084' over 1', and disseminated sulphide, eg at 1092-1096'. This sequence contains disseminated sulphide every where, pyrite and chalcopryrite are main sulphide minerals.

79414 1000 1010 WRA, diorite or intermediate flow.

79415 1068 1078 WRA, same as above.

1063.0 1067.0 Highly mineralized zone with pyrite and rare chalcopryrite, disseminated or stringers (sulphide: 5-8%).

1092.0 1097.0 Again a mineralized zone with 3-5 % sulphide.

1108.0

END OF HOLE



HOLE NO.: AR303-2

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ASSAY SAMPLE REPORT

NORTHING: 19+50N  
EASTING: 29+00W  
ELEVATION: 10000.00

AZIMUTH: 180  
DIP: -45

| FOOTAGE |       | DESCRIPTION                                                                            | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |
|---------|-------|----------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|
| From    | To    |                                                                                        |               |           |         |             |        |        |        |        |
| .0      | 42.0  | OVERBURDEN                                                                             |               |           |         |             |        |        |        |        |
| 42.0    | 260.0 | FELSIC VOLCANICS                                                                       |               |           |         |             |        |        |        |        |
| 44.5    | 46.0  | Pyrite forming matrix of felsic breccia, sulphide 3-4%.                                | 79001         | 44.5      | 46.0    | 1.5         | 1739   | 14     | 2.2    | 135    |
| 46.0    | 51.0  | Contact of mineralized breccia, no visible sulphide.                                   | 79002         | 46.0      | 51.0    | 5.0         | 291    | 5      | .8     | tr     |
| 68.0    | 73.0  | Zone of ground water channel, oxidation zone.                                          | 79003         | 68.0      | 73.0    | 5.0         | 138    | tr     | .2     | tr     |
| 103.0   | 108.0 | Local disseminated sulphide associated to silicification, speck of chalcopryrite.      | 79004         | 103.0     | 108.0   | 5.0         | 601    | 5      | .6     | 15     |
| 114.5   | 118.5 | Zone of ground water channel, intensely altered rock.                                  | 79005         | 114.5     | 118.5   | 4.0         | 969    | 8      | .6     | 30     |
| 121.5   | 126.5 | As above.                                                                              | 79006         | 121.5     | 126.5   | 5.0         | 233    | 39     | .6     | 35     |
| 126.5   | 130.5 | As above, with a little quartz vein (5cm).                                             | 79007         | 126.5     | 130.5   | 4.0         | 64     | 4      | .2     | 5      |
| 145.0   | 150.0 | Quartz vein, speck chalcopryrite, quartz vein 15 cm.                                   | 79008         | 145.0     | 150.0   | 5.0         | 2235   | 16     | .8     | 250    |
| 155.0   | 160.0 | Ground channel way alteration.                                                         | 79009         | 155.0     | 160.0   | 5.0         | 512    | 6      | .4     | 360    |
| 160.0   | 163.5 | Mineralized breccia with 5-8% sulphide.                                                | 79010         | 160.0     | 163.5   | 3.5         | 4210   | 38     | 2.2    | 500    |
| 163.5   | 168.0 | Contact of mineralized zone.                                                           | 79011         | 163.5     | 168.0   | 4.5         | 909    | 31     | .2     | 215    |
| 184.0   | 188.0 | Zone of milky quartz vein.                                                             | 79012         | 184.0     | 188.0   | 4.0         | 1530   | 68     | .8     | 250    |
| 194.5   | 198.0 | Disseminated chalcopryrite 1%.                                                         | 79013         | 194.5     | 198.0   | 3.5         | 2325   | 2      | 1.8    | 540    |
| 211.5   | 213.5 | Quartz vein no visible sulphide.                                                       | 79014         | 211.5     | 213.5   | 2.0         | 42     | 18     | tr     | tr     |
| 213.5   | 217.0 | Weakly mineralized andesitic dyke and quartz rich materials at contact of quartz vein. | 79015         | 213.5     | 217.0   | 3.5         | 878    | 37     | .8     | 25     |
| 250.0   | 255.0 | Milky quartz vein.                                                                     | 79016         | 250.0     | 255.0   | 5.0         | 63     | tr     | tr     | 20     |
| 260.0   | 510.0 | ALUMINO-SILICATE ZONE                                                                  |               |           |         |             |        |        |        |        |
| 293.0   | 298.0 | Dumortierite bearing zone.                                                             | 79017         | 293.0     | 298.0   | 5.0         | 20     | 3      | .2     | 10     |
| 458.0   | 463.0 | Finely laminated aluminosilicate zone.                                                 | 79018         | 458.0     | 463.0   | 5.0         | 459    | 5      | tr     | 10     |
| 463.0   | 467.0 | Quartz porphyry with little disseminated sulphide.                                     | 79019         | 463.0     | 467.0   | 4.0         | 1250   | 19     | .8     | tr     |
| 488.0   | 491.0 | Finely laminated aluminosilicate zone, no visible sulphide.                            | 79020         | 488.0     | 491.0   | 3.0         | 331    | 9      | tr     | tr     |
| 494.0   | 497.0 | As above.                                                                              | 79021         | 494.0     | 497.0   | 3.0         | 1275   | 2      | tr     | tr     |
| 510.0   | 678.0 | FELSIC VOLCANICS INTERMEDIATE VOLCANICS                                                |               |           |         |             |        |        |        |        |
| 516.5   | 519.5 | Disseminated and stringer sulphide over 20 cm, 3 to 4%.                                | 79022         | 516.5     | 519.5   | 3.0         | 711    | 3      | tr     | tr     |
| 530.0   | 534.0 | Highly silicified with quartz vein.                                                    | 79023         | 530.0     | 534.0   | 4.0         | 26     | 7      | tr     | 5      |
| 539.0   | 540.5 | A chalcopryrite rich zone, about 10 cm 10% sulphide.                                   | 79024         | 539.0     | 540.5   | 1.5         | 5215   | 5      | .2     | 200    |
| 540.5   | 545.0 | Contact of mineralized zone with milky quartz vein.                                    | 79025         | 540.5     | 545.0   | 4.5         | 49     | 11     | .2     | tr     |
| 564.0   | 567.0 | A little chalcopryrite stringer at 565'.                                               | 79026         | 564.0     | 567.0   | 3.0         | 2280   | 7      | .4     | 20     |
| 567.0   | 569.0 | A mineralized andesite dyke, disseminated pyrite 3 to 4%.                              | 79027         | 567.0     | 569.0   | 2.0         | 433    | 41     | .8     | 10     |

## ASSAY SAMPLE REPORT

| FOOTAGE |       | DESCRIPTION                                                                 | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |
|---------|-------|-----------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|
| From    | To    |                                                                             |               |           |         |             |        |        |        |        |
|         | 594.5 | 599.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Disseminated pyrite and chalcopyrite <1%.                                   | 79028         | 594.5     | 599.0   | 4.5         | 634    | 8      | tr     | 15     |
|         | 599.0 | 601.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above, 1%.                                                               | 79029         | 599.0     | 601.0   | 2.0         | 2130   | 8      | 1.6    | 20     |
|         | 601.0 | 604.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | A chlcopyrite rich stringers in silicified rock                             | 79030         | 601.0     | 604.0   | 3.0         | 1025   | 14     | .8     | 30     |
|         | 604.0 | 608.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Finely disseminated sulphide 2%.                                            | 79031         | 604.0     | 608.0   | 4.0         | 1265   | 28     | .8     | 90     |
|         | 608.0 | 612.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Contact of chalcopyrite rich zone.                                          | 79032         | 608.0     | 612.0   | 4.0         | 652    | 12     | .4     | tr     |
|         | 612.0 | 615.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Chalcopyrite rich zone, 5% sulphide.                                        | 79033         | 612.0     | 615.0   | 3.0         | 20800  | 9      | 8.0    | 16270  |
|         | 615.0 | 619.5                                                                       |               |           |         |             |        |        |        |        |
|         |       | Contact of chalcopyrite rich zone.                                          | 79034         | 615.0     | 619.5   | 4.5         | 784    | 15     | .2     | 215    |
|         | 636.0 | 641.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Disseminated sulphide within silicified pyroclastite 1%.                    | 79035         | 636.0     | 641.0   | 5.0         | 2440   | 16     | .8     | 100    |
|         | 642.0 | 644.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Milky quartz vein.                                                          | 79036         | 642.0     | 644.0   | 2.0         | 533    | 28     | tr     | 45     |
|         | 647.0 | 650.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above, with fine grained tourmaline, and host rock.                      | 79037         | 647.0     | 650.0   | 3.0         | 67     | 18     | tr     | 5      |
|         | 650.0 | 653.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Weak mineralized contact of quartz vein.                                    | 79038         | 650.0     | 653.0   | 3.0         | 2380   | 30     | 4.4    | 20     |
|         | 656.0 | 658.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Milky quartz vein.                                                          | 79039         | 656.0     | 658.0   | 2.0         | 71     | 14     | tr     | tr     |
|         | 658.0 | 661.5                                                                       |               |           |         |             |        |        |        |        |
|         |       | Brecciated zone.                                                            | 79040         | 658.0     | 661.5   | 3.5         | 264    | 30     | tr     | tr     |
| 673.0   | 724.0 | DIORITE                                                                     |               |           |         |             |        |        |        |        |
|         | 699.0 | 703.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Milky quartz vein, with locally tourmaline rich materials.                  | 79041         | 699.0     | 703.0   | 4.0         | 69     | 16     | tr     | tr     |
| 724.0   | 807.0 | INTERMEDIATE VOLCANICS                                                      |               |           |         |             |        |        |        |        |
|         | 788.0 | 791.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Contact of felsic dyke with few disseminated sulphide.                      | 79042         | 788.0     | 791.0   | 3.0         | 177    | 2      | .2     | tr     |
|         | 791.0 | 795.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Disseminated sulphide 1 to 2% pyrite.                                       | 79043         | 791.0     | 795.0   | 4.0         | 238    | 1      | .2     | 10     |
|         | 803.0 | 807.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Highly silicified, disseminated pyrite <1%.                                 | 79044         | 803.0     | 807.0   | 4.0         | 484    | 2      | .4     | tr     |
| 807.0   | 854.0 | DIORITE                                                                     |               |           |         |             |        |        |        |        |
|         | 820.0 | 824.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Silicified and disseminated pyrite, speck of chalcopyrite.                  | 79045         | 820.0     | 824.0   | 4.0         | 863    | 17     | 1.2    | 15     |
|         | 824.0 | 828.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | ALTERED AND SILICIFIED ZONE, disseminated pyrite 4%, speck of chalcopyrite. | 79046         | 824.0     | 828.0   | 4.0         | 463    | 15     | 1.0    | 15     |
|         | 828.0 | 833.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79047         | 828.0     | 833.0   | 5.0         | 409    | 38     | .6     | 20     |
|         | 833.0 | 838.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79048         | 833.0     | 838.0   | 5.0         | 328    | 21     | .6     | 10     |
|         | 839.0 | 843.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79049         | 839.0     | 843.0   | 4.0         | 487    | 21     | .2     | 10     |
|         | 843.0 | 848.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79050         | 843.0     | 848.0   | 5.0         | 275    | 10     | .4     | 5      |
|         | 848.0 | 851.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79051         | 848.0     | 851.0   | 3.0         | 300    | 24     | .6     | 5      |
|         | 851.0 | 854.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79052         | 851.0     | 854.0   | 3.0         | 320    | 20     | .6     | 15     |
| 854.0   | 899.0 | ALTERED MINERALIZED ZONE                                                    |               |           |         |             |        |        |        |        |
|         | 854.0 | 858.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Highly mineralized zone, pyrite 3%.                                         | 79053         | 854.0     | 858.0   | 4.0         | 247    | 18     | tr     | 5      |
|         | 858.0 | 863.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above, disseminated pyrite 4%.                                           | 79054         | 858.0     | 863.0   | 5.0         | 338    | 32     | .4     | 35     |
|         | 863.0 | 867.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above, disseminated pyrite 6%, speck of chalcopyrite.                    | 79055         | 863.0     | 867.0   | 4.0         | 398    | 13     | 1.4    | 30     |
|         | 867.0 | 871.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above, pyrite 8%.                                                        | 79056         | 867.0     | 871.0   | 4.0         | 483    | 14     | .2     | 65     |
|         | 871.0 | 874.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Highly silicified zone, disseminated pyrite 12%.                            | 79057         | 871.0     | 874.0   | 3.0         | 891    | 9      | .2     | 35     |
|         | 874.0 | 877.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above, pyrite 15%.                                                       | 79058         | 874.0     | 877.0   | 3.0         | 275    | 12     | .4     | 10     |
|         | 877.0 | 880.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Disseminated pyrite 3%, massive sulphide veins (3 veinlets: mm to cm).      | 79059         | 877.0     | 880.0   | 3.0         | 3373   | 35     | 2.6    | 165    |
|         | 880.0 | 884.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Disseminated pyrite 3%.                                                     | 79060         | 880.0     | 884.0   | 4.0         | 336    | 16     | 2.0    | 5      |
|         | 884.0 | 888.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79061         | 884.0     | 888.0   | 4.0         | 607    | 16     | 1.2    | 10     |
|         | 888.0 | 892.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                   | 79062         | 888.0     | 892.0   | 4.0         | 1810   | 21     | .8     | 15     |
|         | 894.0 | 898.0                                                                       |               |           |         |             |        |        |        |        |
|         |       | Coarse pyritic vein within quartz vein and                                  | 79063         | 894.0     | 898.0   | 4.0         | 729    | 15     | .6     | 5      |



HOLE # : 303-02

| SAMPLE | FROM<br>ft | TO<br>ft | S102<br>% | T102<br>% | A1203<br>% | FeOT<br>% | MnO<br>% | MgO<br>% | CaO<br>% | Na2O<br>% | K2O<br>% | P2O5<br>% | LOI<br>% | Total<br>% | Cu<br>ppm | Zn<br>ppm | Ag<br>ppm | Au<br>ppb | HAI | SR  | AC | MR | VI | PI | A1/Ti |
|--------|------------|----------|-----------|-----------|------------|-----------|----------|----------|----------|-----------|----------|-----------|----------|------------|-----------|-----------|-----------|-----------|-----|-----|----|----|----|----|-------|
| 79401  | 56         | 68       | 68.74     | 0.61      | 18.89      | 2.06      | 0.01     | 4.68     | 0.38     | 1.24      | 0.86     | 0.05      | 4.29     | 101.80     | 558       | 24        | 0.4       | 103       | 77  | 15  | 41 | 96 | 2  | 79 | 31    |
| 79403  | 128        | 206      | 75.26     | 0.58      | 21.20      | 0.18      | <0.01    | 0.15     | 0.21     | 0.52      | 0.91     | 0.13      | 2.06     | 101.20     | 109       | 7         | 0.2       | 64        | 59  | 41  | 64 | 94 | 1  | 22 | 37    |
| 79402  | 171        | 177      | 71.38     | 0.50      | 16.43      | 1.74      | 0.02     | 4.45     | 0.36     | 0.86      | 1.66     | 0.09      | 3.87     | 101.35     | 693       | 123       | 0.6       | 475       | 83  | 19  | 66 | 85 | 14 | 84 | 33    |
| 79404  | 262        | 270      | 78.48     | 0.55      | 18.69      | 0.13      | <0.01    | 0.07     | 0.15     | 0.32      | 1.03     | 0.12      | 1.33     | 100.88     | 34        | 7         | 0.2       | 71        | 70  | 58  | 76 | 83 | 2  | 18 | 34    |
| 79405  | 338        | 348      | 81.21     | 0.56      | 17.84      | 0.11      | <0.01    | 0.01     | 0.07     | 0.12      | 0.25     | 0.07      | 0.97     | 101.21     | 6         | 7         | <0.1      | 12        | 58  | 149 | 68 | 46 | 6  | 8  | 32    |
| 79406  | 416        | 424      | 81.49     | 0.51      | 17.59      | 0.11      | <0.01    | 0.01     | 0.07     | 0.16      | 0.34     | 0.06      | 1.30     | 101.64     | 6         | 5         | <0.1      | <5        | 60  | 110 | 68 | 55 | 3  | 6  | 34    |
| 79407  | 434        | 437      | 78.44     | 0.56      | 18.71      | 0.11      | <0.01    | 0.04     | 0.06     | 0.03      | 0.13     | 0.07      | 1.96     | 100.11     | 8         | 5         | <0.1      | 19        | 65  | 624 | 81 | 62 | 17 | 57 | 33    |
| 79408  | 520        | 530      | 73.52     | 0.60      | 15.44      | 2.05      | 0.02     | 3.71     | 0.29     | 0.62      | 1.84     | 0.10      | 3.62     | 101.81     | 62        | 23        | <0.1      | 10        | 86  | 25  | 75 | 73 | 4  | 86 | 26    |
| 79409  | 623        | 633      | 70.88     | 0.65      | 15.72      | 3.53      | 0.01     | 4.07     | 0.23     | 1.16      | 1.62     | 0.07      | 3.86     | 101.81     | 645       | 39        | 0.3       | 114       | 80  | 14  | 58 | 94 | 3  | 78 | 24    |
| 79410  | 708        | 718      | 71.70     | 0.54      | 14.90      | 3.58      | 0.02     | 4.22     | 0.15     | 0.91      | 1.83     | 0.07      | 3.48     | 101.40     | 425       | 37        | <0.1      | 10        | 85  | 16  | 67 | 92 | 4  | 82 | 28    |
| 79439  | 763        | 773      | 73.20     | 0.54      | 15.03      | 2.23      | <0.01    | 3.64     | 0.23     | 0.87      | 1.76     | 0.06      | 3.48     | 101.05     | 112       | 21        | 0.2       | <5        | 83  | 17  | 67 | 84 | 2  | 81 | 28    |
| 79411  | 807        | 815      | 70.34     | 0.53      | 16.04      | 3.93      | 0.02     | 3.84     | 0.57     | 0.84      | 1.83     | 0.06      | 3.78     | 101.77     | 193       | 34        | 0.2       | 11        | 80  | 19  | 69 | 85 | 4  | 82 | 30    |
| 79412  | 882        | 891      | 66.15     | 0.50      | 16.14      | 6.31      | 0.01     | 4.67     | 0.22     | 0.86      | 1.82     | <0.03     | 5.15     | 101.83     | 679       | 40        | 0.6       | 47        | 86  | 19  | 68 | 94 | 5  | 84 | 32    |
| 79413  | 923        | 928      | 74.89     | 0.70      | 16.83      | 1.15      | <0.01    | 0.42     | 0.38     | 0.92      | 3.66     | 0.13      | 2.49     | 101.59     | 122       | 5         | <0.1      | <5        | 76  | 18  | 80 | 96 | 1  | 31 | 24    |
| 79414  | 1000       | 1010     | 48.96     | 0.63      | 10.91      | 8.54      | 0.14     | 7.48     | 7.50     | 0.97      | 0.90     | 0.28      | 13.39    | 99.70      | 507       | 74        | 0.2       | 5         | 50  | 11  | 48 | 87 | 8  | 89 | 17    |
| 79415  | 1068       | 1078     | 64.72     | 0.60      | 15.37      | 6.79      | 0.02     | 5.49     | 0.27     | 0.47      | 2.21     | 0.06      | 4.50     | 100.49     | 535       | 60        | 0.5       | 14        | 91  | 33  | 82 | 90 | 13 | 92 | 26    |

HOLE NO.: 303-3  
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DIAMOND DRILL LOG

PROJECT: COURAGEOUS
 PROVINCE:
 N.T.S.: 32 C/3
 TOWNSHIP: Louvicourt
 RANGE: VI
 LOT No.: 47
 CLAIM No.: 324503-2

COLLAR LOCATION

LOCAL GRID: 14+50N
 29+00W
 SURVEYED GRID:

Date started: May 8, 1990
 Date completed: May 10, 1990
 Core size: 80
 Drilled by: Forage Alexandre
 Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -45.0
 Collar azimuth: 180.0
 Collar elevation: 10000.0 feet
 Total length: 1045.0 feet

Sample Numbers: 79074-141

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
100.0		-45.0	550.0		-40.0
150.0		-44.0	600.0		-39.0
200.0		-43.0	650.0		-39.0
250.0		-43.0	700.0		-38.0
300.0		-42.0	750.0		-38.0
350.0		-41.0	800.0		-37.0
400.0		-41.0	950.0		-37.0
450.0		-41.0	1000.0		-37.0
500.0		-40.0			

FOOTAGE
 From To

DESCRIPTION

.0 12.0 OVERBURDEN
 Casing left in the hole.

12.0 174.0 ALUMINO-SILICATE ZONE
 12.0 40.0 A mylonitic zone, finely laminated, bands (mm) quartz rich and aluminosilicate. Lamination: 55-60 deg/ca. Local some quartz rich clasts. Also highly silicified zone. Light grey and fine grained rock. Light blue mineral, associated with quartz: Kyanite at 30'.
 79416 23 33 WRA, aluminosilicate zone.

40.0 83.5 Highly altered andesitic rock, locally fine white probably feldspar phenocrysts, intensely deformed. Probably aluminosilicate alteration. Sequence was cut by impure milky quartz veins, eg at 65' (1/2'), 75' (1'). Some ground water channels way alteration, and fault zones, eg at 63', 84-87'. Rare sulphide, only at 79' a chalcopyrite rich veinlet (mm).
 79417 47 57 WRA, altered andesite.

83.5 85.5 Quartz vein milky quartz with host rock material.

102.5 109.5 DYKE a pyrophyllite rich zone (80 % pyrophyllite => to determine), beige, soapy, and talk-like. 79418 WRA.

109.5 112.0 A breccia zone, lapilli size felsic fragments in phyllosilicate rich matrix. Similar

FOOTAGE		DESCRIPTION
From	To	
		zone at 127' over 1' with chloritic matrix.
112.0	174.0	Highly altered and deformed intermediate to felsic pyroclastites. Locally lapilli size fragments. Aluminosilicate alteration with chloritic and light brown mineral: pyrophyllite. Local, intense silicification (at 153'). Sequence was cut by sporadic quartz veins, eg, 118' (1'), 123' (1'), and 128' (1/2in.). No visible sulphide. Also very rare sulphide in this sequence. Aluminosilicate alteration important.
131.0	131.5	Fault zone Pyrophyllitic matrix.
174.0	408.0	FELSIC VOLCANICS INTERMEDIATE VOLCANICS
174.0	251.0	Intermediate pyroclastites, and massive lava, medium grey, fine grained, local lapilli size fragments. Intensely silicified and chloritized, Locally finely disseminated sulphide (<1 to 2 %), eg 212 to 216', and erratic quartz veins.
79419	181 191	WRA, felsic to intermediate rock.
252.0	257.0	Quartz vein milky quartz, no visible sulphide.
257.0	321.0	More massive, intermediate to felsic lava flow, some place pyroclastic with lapilli size fragments. Local intense silicification. Uniformly distributed disseminated sulphide (0-2%), also few quartz veins (2 to 10 cm) with euhedral pyrite, and rare chalcopryite, eg at 313' (3 cm). 79420 288 298 WRA.
321.0	408.0	Mineralization, Intermediate volcanic, massive flow, should be an andesitic flow, highly silicified with some bluish quartz, containing disseminated mineralization, sulphide varies 2 to 10%, fine grained pyrite and chalcopryite uniformly distributed within highly silicified matrix. Locally, smoky quartz breccia with sulphide matrix and host rock fragments, eg at 360', 378' etc.. Some rare quartz carbonate veins, eg at 379'. Equa quantity of pyrite and chalcopryite.
79421	338 348	WRA, mineralized zone.
331.0	336.0	A felsic dyke.
337.0	338.0	Fault zone A late fault zone.
408.0	887.0	DIORITE
		Typical diorite (2D) of the Val d'Or mining district, fine to medium grained, massive, dark greenish grey, composed of feldspar (50-60%) within a chloritic groundmass. Contact with lava flow present fine grained texture: chilled margin of a sill? Sequence locally intensely silicified and contains blue opalescent quartz phenoblasts randomly distributed (up to 10 %), eg at 465, especially within disseminated mineral zones. Sporadic, weakly mineralized zones, eg at 408 428, or narrow milky quartz vein with chalcopryite at 420' over 15 cm.
79422	438 448	WRA, 2D diorite.
408.0	428.0	Mineralization same mineralized zone such as 321 to 408'. Since 428', weak and randomly distributed mineralization, eg 455 to 428' with 3-4 % sulphide especially fine grained pyrite, and since 438', massive and medium grained diorite with weakly disseminated pyrite (up to 2 %).
519.0	525.0	DYKE Sequence was cut by fine grained intermediate to felsic dyke, containing weak disseminated sulphide Similar dyke at 549-554', weakly mineralized (disseminated pyrite and chalcopryite.
553.5	555.5	Quartz vein Quartz rich materials with chloritic matrix with 1-2% sulphide: pyrite and chalcopryite.
		This dioritic sequence always contains ubiquitous disseminated or sulphide stringers (0 to 1%), pyrite>>chalcopryite.
79423	538 548	WRA, diorite 2D.
79424	608 618	WRA, diorite 2D.

FOOTAGE		DESCRIPTION
From	To	
79425	702 712	WRA, diorite 2D.
623.0	648.0	ALTERED AND SILICIFIED ZONE Intensely silicified zone with disseminated mineralization (1 to 10% sulphide).
655.0	700.0	Highly chloritized and broken cores. A little softer. Disseminated sulphide (<1%) and bluish quartz eyes. Several narrow quartz veins, eg at 690' (3 cm with chalcopyrite), 696' (10 cm, with pyrite) and 699' (2 cm, with chlorite).
713.0	867.0	DIORITE Same dioritic rock, fine to medium grained, massive, and especially blue opalescent quartz phenoblasts (up to 20 %). With disseminated and stringer sulphide. A local massive sulphide vein (3 cm) with quartz vein 729'. Highly altered felsic dyke (733-737') and rare quartz carbonate vein (757-758.5'). Some highly silicified zone contains 3-4% disseminated pyrite (673'). Another felsic dyke at 678'.
79426	718 728 and 79427 818 828	WRA, bluish quartz diorite.
834.0	858.0	A mineralized zone, pyrite stringers or disseminated sulphide within chlorite and silicified matrix. Local milky quartz veins. Sulphide: 2 to 10 % pyrite>>chalcopyrite.
867.0	897.0	Intensely chloritized zone.
987.0	1045.0	DIORITE INTERMEDIATE VOLCANICS Bluish quartz diorite, becomes a little fine grained, and locally contains quartz carbonate, chlorite rich groundmass or matrix which looks like pillow matrix. Here, this sequence may be massive lava flows, difficult to say.
79428	888 898	WRA, quartz diorite or lava.
934.5	938.5	DYKE Felsic and mineralized dyke, similar in hole 303-2, with about 2 to 5% sulphide in bluish quartz diorite.
948.0	978.0	Highly altered by silicified and carbonatized. Bleached rock, no much sulphide.
978.0	1001.0	Broken core, looks like a volcanic rock, some lapilli size fragments. At 996'. Disseminated pyrite and probably pyrite.
79429	974 984	WRA, volcanic-like rock, fine grained.
		To the end of the hole, two zones of quartz carbonate veins, eg at 1025' (1.5'), and 1038' over 5'. Latter shows a vuggy texture, containing a little sulphide.
1045.0		END OF HOLE

HOLE NO.: AR303-3

ASSAY SAMPLE REPORT

NORTHING: 14+50N
EASTING: 29+00W
ELEVATION: 10000.00

AZIMUTH: 180
DIP: -45

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
.0	12.0	OVERBURDEN								
12.0	174.0	ALUMINO-SILICATE ZONE								
	75.0 78.0	Quartz vein, rare chalcopryrite vein.	79074	75.0	78.0	3.0	809	15	tr	10
	83.5 85.5	Milky quartz vein.	79075	83.5	85.5	2.0	81	19	tr	tr
	118.0 120.0	As above.	79076	118.0	120.0	2.0	74	22	tr	tr
174.0	408.0	FELSIC VOLCANICS INTERMEDIATE VOLCANICS								
	212.0 216.0	Disseminated sulphide, 1-2%.	79077	212.0	216.0	4.0	507	60	.6	5
	249.0 252.0	ALTERED AND SILICIFIED ZONE.	79078	249.0	252.0	3.0	32	15	tr	tr
	252.0 256.0	Milky quartz vein.	79079	252.0	256.0	4.0	41	10	tr	tr
	266.0 269.0	Disseminated pyrite 1%, speck chalcopryrite.	79080	266.0	269.0	3.0	673	28	.6	10
	276.0 277.0	Highly silicified zone, chalcopryrite 1%.	79081	276.0	277.0	1.0	2515	6	1.0	15
	278.0 282.0	Silicified zone, disseminated sulphide 2%.	79082	278.0	282.0	4.0	1560	11	1.2	10
	282.0 285.5	Pyrite chalcopryrite vein, disseminated sulphide, silicified zone.	79083	282.0	285.5	3.5	1225	15	.4	5
	293.0 297.0	Silicified zone, disseminated sulphide 2%.	79084	293.0	297.0	4.0	330	20	.2	5
	304.0 308.0	Disseminated sulphide 1%, quartz vein, speck chalcopryrite.	79085	304.0	308.0	4.0	107	13	tr	tr
	310.5 313.0	Highly silicified zone, quartz vein 5ca, with chalcopryrite and pyrite crystals (ca).	79086	310.5	313.0	2.5	942	16	tr	20
	321.0 325.0	Disseminated sulphide, pyrite and chalcopryrite, fine grained, (3 to 8%).	79087	321.0	325.0	4.0	4300	28	2.2	200
	325.0 329.0	As above, sulphide stringer, chalcopryrite and pyrite veinlet, highly silicified, 5 to 8% sulphide.	79088	325.0	329.0	4.0	3400	23	2.2	265
	329.0 333.0	Highly silicified, pyrite and chalcopryrite veinlet, disseminated sulphide 1 to 3%.	79089	329.0	333.0	4.0	2115	16	1.8	30
	335.0 336.0	A late fault zone at contact of felsic dyke, less sulphide <1%.	79090	335.0	336.0	1.0	1125	15	.4	30
	339.0 343.0	Disseminated sulphide, uniformly distributed, fine grained pyrite and chalcopryrite 5%.	79091	339.0	343.0	4.0	1195	29	.4	35
	343.0 346.0	As above, highly silicified, sulphide 4%.	79092	343.0	346.0	3.0	758	28	.4	65
	348.0 352.0	As above, 5% sulphide, disseminated pyrite and chalcopryrite.	79093	348.0	352.0	4.0	524	28	.2	35
	352.0 355.5	Disseminated sulphide 4%, plus quartz pyrite and chalcopryrite veinlets.	79094	352.0	355.5	3.5	3200	24	.4	200
	355.5 360.0	Chalcopryrite rich zone, disseminated sulphide 10%.	79095	355.5	360.0	4.5	8500	19	2.4	365
	360.0 364.0	Disseminated sulphide 8%, with local breccia zones: smoky quartz and sulphide matrix with host rock fragments.	79096	360.0	364.0	4.0	1300	25	.4	300
	364.0 368.0	Disseminated and strong sulphide 8%.	79097	364.0	368.0	4.0	319	27	.2	35
	368.0 372.0	As above, and quartz vein with chalcopryrite and pyrite.	79098	368.0	372.0	4.0	1465	30	.6	45
	372.0 376.0	Smoky quartz breccia zones with disseminated sulphide 5-7%.	79099	372.0	376.0	4.0	613	22	.4	65
	376.0 380.0	Disseminated sulphide 6% with a quartz	79100	376.0	380.0	4.0	79	20	tr	30

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
		carbonate vein (5cm) and a smoky quartz breccia.								
380.0	385.0	Disseminated sulphide 5%.	79101	380.0	385.0	5.0	212	14	tr	35
385.0	388.0	As above, 4%.	79102	385.0	388.0	3.0	516	11	tr	170
388.0	392.0	As above, 5%.	79103	388.0	392.0	4.0	407	11	tr	165
392.0	395.5	As above.	79104	392.0	395.5	3.5	41	14	tr	30
395.5	400.0	As above, 5%.	79105	395.5	400.0	4.5	93	14	tr	35
400.0	404.0	Highly silicified, disseminated sulphide 5%.	79106	400.0	404.0	4.0	588	12	tr	170
404.0	406.0	As above, 5% sulphide.	79107	404.0	406.0	4.0	221	13	tr	30
408.0	887.0	DIORITE								
408.0	412.0	Disseminated sulphide 2%.	79108	408.0	412.0	4.0	169	14	tr	30
412.0	416.0	As above, 1% sulphide.	79109	412.0	416.0	4.0	1310	13	.4	45
416.0	420.0	Disseminated sulphide 1%.	79110	416.0	420.0	4.0	92	18	tr	35
420.0	421.0	Quartz vein with chalcopyrite 3%.	79111	420.0	421.0	1.0	12600	23	2.6	870
421.0	426.0	Disseminated and stringer sulphide <1%.	79112	421.0	426.0	5.0	418	18	tr	35
426.0	430.0	As above.	79113	426.0	430.0	4.0	83	16	tr	30
444.0	448.0	Disseminated pyrite 1-2 % within chloritized matrix.	79115	444.0	448.0	4.0	343	24	tr	5
455.0	458.0	Disseminated and stringer pyrite veinlet.	79114	455.0	458.0	3.0	557	23	.4	35
518.0	522.0	Disseminated pyrite 1-2% within felsic dyke.	79116	518.0	522.0	4.0	1230	21	tr	35
549.0	554.0	Sulphide stringer 1-2 % within felsic dyke.	79117	549.0	554.0	5.0	1975	27	1.4	20
563.5	565.5	Quartz vein with pyrite and chalcopyrite <1%.	79118	563.5	565.5	2.0	1730	14	.4	tr
600.0	602.0	Pyrite stringer and disseminated sulphide <1%.	79119	600.0	602.0	2.0	1840	30	1.2	tr
628.0	632.0	Disseminated pyrite 1 to 5%, speck chalcopyrite	79120	628.0	632.0	4.0	112	9	.2	tr
632.0	637.0	As above, 5% disseminated pyrite.	79121	632.0	637.0	5.0	188	10	.6	15
637.0	639.0	As above.	79122	637.0	639.0	2.0	974	10	.2	10
639.0	643.0	10 to 15% pyrite within sericitized and silicified zone.	79123	639.0	643.0	4.0	406	80	1.0	65
643.0	648.0	Disseminated pyrite 4%, speck chalcopyrite.	79124	643.0	648.0	5.0	1010	35	.4	30
648.0	652.0	Decrease of alteration and sulphide <1%.	79125	648.0	652.0	4.0	147	34	.6	35
684.0	688.0	Chloritic matrix with disseminated sulphide (2 to 3%).	79126	684.0	688.0	4.0	1905	47	2.0	90
728.0	729.0	Massive sulphide vein with pyrite and chalcopyrite 3ca.	79127	728.0	729.0	1.0	5350	64	2.8	235
729.0	732.0	Contact of miner vein.	79128	729.0	732.0	3.0	95	84	1.0	5
757.0	758.5	Quartz-carbonate vein.	79133	757.0	758.5	1.5	88	51	.8	135
773.0	777.0	Highly silicified with disseminated pyrite and speck chalcopyrite.	79129	773.0	777.0	4.0	414	34	1.8	35
834.5	837.5	Disseminated and stringer pyrite 10-15%.	79130	834.5	837.5	3.0	149	123	1.2	30
837.5	842.0	Contact of miner. Zone.	79131	837.5	842.0	4.5	181	175	.4	tr
849.5	852.5	Qtz rich vein materials and diss. Stringer pyr. 5 to 10 % sulph.	79132	849.5	852.5	3.0	152	68	2.0	1910
956.0	958.0	Quartz vein some diss. Sulph within contact 3-4 %.	79134	956.0	958.0	2.0	63	48	.4	770
958.0	863.0	Disseminated and stringer pyrite 1 to 4%.	79135	858.0	863.0	5.0	827	136	.8	465
887.0	1045.0	DIORITE INTERMEDIATE VOLCANICS								
931.0	934.5	Contact of miner. Felsic dyke.	79136	931.0	934.5	3.5	111	262	.8	90
934.5	938.5	Mineralized felsic dyke with 2 to 5% sulph.:py>>cpy.	79137	934.5	938.5	4.0	513	19	4.8	165
938.5	942.5	Contact of miner. Felsic dyke.	79138	938.5	942.5	4.0	150	173	.4	35
1024.0	1027.0	Quartz-carbonate vein, contact a little diss sulph.	79139	1024.0	1027.0	3.0	595	53	3.0	265
1027.0	1030.0	Contact of qtz. Carb vein with diss sulph.	79140	1027.0	1030.0	3.0	198	170	.4	236

HOLE # 1 303-03

SAMPLE	FROM ft	TO ft	SiO2 %	TiO2 %	Al2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	Total %	Cu ppm	Zn ppm	Ag ppm	Au ppb	HAI	SR	AI	HR	VI	PI	AI/TI
79416	22	32	79.73	0.59	18.52	0.31	<0.01	0.03	0.13	0.07	<0.03	0.09	1.10	100.56	21	10	0.2	<5	23	265	30	68	14	30	31
79417	47	57	74.17	0.56	17.86	1.09	<0.01	1.61	0.21	0.81	1.42	0.08	2.86	100.66	138	24	0.4	20	75	22	64	85	3	67	32
79418	102	110	73.18	0.69	18.41	0.73	<0.01	0.52	0.31	1.68	2.69	0.13	2.46	100.82	91	15	0.2	22	62	11	62	86	1	24	27
79419	181	191	65.83	0.69	17.85	3.46	0.01	5.32	0.19	1.06	1.41	0.05	4.04	99.90	249	45	0.2	6	84	17	37	85	4	83	26
79420	288	298	76.36	0.52	13.41	2.84	<0.01	2.26	0.16	0.69	2.22	0.04	2.59	101.08	171	28	0.2	6	84	19	76	86	4	77	26
79421	338	348	65.03	0.59	17.46	6.20	0.02	3.89	0.47	1.07	1.85	0.03	4.70	101.30	391	50	0.5	39	79	16	63	89	5	78	30
79422	438	448	60.90	0.48	16.36	8.39	0.04	7.54	0.29	0.45	1.11	<0.03	5.29	100.86	94	73	<0.1	5	92	36	71	56	16	94	34
79423	538	548	71.24	0.49	12.76	5.93	0.02	3.86	0.15	0.59	1.21	<0.03	3.38	99.62	705	53	0.5	47	87	22	67	93	9	87	26
79424	608	618	66.70	0.57	15.74	6.31	0.02	4.18	0.18	0.68	2.05	<0.03	3.69	99.81	830	45	1.0	38	88	23	75	95	7	86	28
79425	702	712	53.68	0.44	17.85	10.57	0.07	8.36	0.14	0.45	1.63	<0.03	6.31	99.51	347	116	0.5	25	71	40	78	75	26	95	41
79426	718	728	59.63	0.49	16.23	9.57	0.08	7.37	0.18	0.43	1.41	<0.03	5.42	100.84	267	120	0.4	20	94	38	77	69	28	94	33
79427	818	828	55.50	0.44	16.32	9.69	0.19	6.91	1.76	0.45	2.05	<0.03	6.85	100.17	123	619	0.2	<5	80	36	82	17	138	94	37
79428	888	898	64.29	0.60	16.19	7.87	0.06	4.53	0.32	0.84	2.53	0.05	4.42	101.52	132	209	0.5	15	86	19	74	39	25	84	27
79429	947	957	59.81	0.41	15.17	9.92	0.11	6.51	0.28	0.59	1.18	<0.03	5.27	99.26	659	719	0.2	15	90	26	67	48	122	92	37

HOLE NO.: 303-4

DIAMOND DRILL LOG

PROJECT: COURAGEOUS
 PROVINCE:
 N.T.S.: 32 C/3
 TOWNSHIP: Louvicourt
 RANGE: VI
 LOT No.: 47
 CLAIM No.: 324503-2

COLLAR LOCATION

LOCAL GRID: 2+00S
 34+00W
 SURVEYED GRID:

Date started: May 10, 1990
 Date completed: May 14, 1990
 Core size: 80
 Drilled by: Forage Alexandre
 Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -50.0
 Collar azimuth: 180.0
 Collar elevation: 10000.0 feet
 Total length: 848.0 feet

Sample Numbers: 79142-79154

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
100.0		-50.0	500.0		-45.0
150.0		-49.0	550.0		-44.0
200.0		-49.0	600.0		-44.0
250.0		-48.0	650.0		-43.0
300.0		-48.0	700.0		-43.0
350.0		-47.0	750.0		-42.0
400.0		-46.0	800.0		-42.0
450.0		-45.0	848.0		-42.0

FOOTAGE

DESCRIPTION

From To

.0 67.0 OVERBURDEN

Casing left in the hole.

67.0 69.0 DIORITE

67.0 69.0 Diorite, typical 20, medium grained, intensely chloritized, green grey, easily broken (5%), a lot of quartz in groundmass.

69.0 228.0 INTERMEDIATE VOLCANICS

69.0 99.0 ANDESITE Intermediate volcanic, fine grained, massive, dark grey greenish, locally some feldspar phenocrysts, and amygdules, and also rare disseminated sulphide with pyrite, (<1% (very few quantity).

79430 71 81 WRA, intermediate volcanic.

99.0 116.0 FELSIC PYROCLASTIC SEQUENCE Breccia zone, angular lapilli size fragments within chloritic matrix. This sequence seems to be a volcanosedimentary horizon. Fragments are polygenic and felsic in nature. Mosaic like texture.

116.0 228.0 ANDESITE intermediate volcanic, same as above, massive fine grained, dark grey, locally bluish quartz phenoblasts (up to 10%) in chloritic matrix. Local rare disseminated sulphide (up to 2-3%), eq at 116-118' and at 120-122'. Bluish quartz gives a felsic character to this rock. Local bleaching due to alteration and rare

HOLE NO.: 303-4

FOOTAGE		DESCRIPTION
From	To	
		narrow carbonate quartz veinlets. Most of this rock be considered as diorite, typical 2D.
156.0	156.5	Fault zone A late fault zone, with broken core and brown iron oxide and quartz-carbonate vein materials.
79431	168 178	WRA, intermediate volcanic or diorite 2D.
228.0	298.0	DIORITE
228.0	298.0	Quartz diorite, medium, massive, medium grained, dark greenish grey, rich in bluish quartz (up to 40 %) within chloritic matrix. Containing locally fine grained subvolcanic dyke. Very rare disseminated pyrite.
79432	428-433	WRA, 79433 260 269 WRA, quartz diorite.
282.0		A local quartz-carbonate vein with rare sulphide. Contact: 20 deg/ca.. Some sulphide concentration in the silicified zone eg at 285' over 10 cm with 5% pyrite.
298.0	375.0	INTERMEDIATE VOLCANICS
298.0	375.0	ANDESITE Same intermediate volcanic, fine grained, medium greenish grey, massive, homogeneous. Fine feldspar phenocrysts (white) within a chloritic matrix. Locally seems to be bleached due to presence of carbonate and silicification. And rare local disseminated sulphide (up to 3%), eg at 314'. And at 358-368', many carbonate veinlets (5% by volume). Also some vacuoles (at 369').
79434	338 348	WRA, intermediate volcanic.
375.0	466.0	DIORITE
375.0	466.0	DYKE Quartz diorite medium to fine grained, massive and homogeneous, same as above, bluish quartz (up to 20%). 79435 408 418 WRA.
466.0	848.0	INTERMEDIATE VOLCANICS
466.0	540.0	ANDESITE Same as above, massive, composed of lattes of feldspar (50%) within a chloritic matrix. Bluish quartz phenoblasts (mm) (up to 10%). Some significant quartz-carbonate veins with a little sulphide stars (5 to 20 cm width), eg at 480' (3 to 10cm), 485' (20 cm), 501' (10 cm) with bleached contact, carbonate rich veinlets ubiquitous (1 to 3 Z). 79436 508 518 WRA.
527.0	533.0	A bleached zone due to alteration, carbonatization and silicification, fine grained, light to medium grey, no much disseminated sulphide and a late fault zone with broken core (50%, recuperation between 530 and 533').
540.0	604.0	ALTERED ZONE highly altered zone, fine grained, massive, reddish brown to light grey, intensely bleached with (mm) carbonate veinlets. Also highly silicified, a disseminated black mineral (magnetite). Local, 1' or 1/2' quartz carbonate veins with massive sulphide veinlets (3-4% sulphide, pyrite=chalcopyrite) or quartz vein (5cm) with pyrite and chalcopyrite, eg at 540' over 1' and 547.5' over 5 cm. Many quartz-carbonate veins alternating with this sequence highly altered, eg at 586', 599' over 2', and 604' (1) 79437 568 577 WRA, in highly altered zone.
		At the end of zone, rock less altered. Ended with 1' quartz-carbonate vein.
604.0	688.0	ANDESITE same as above, massive fine grained, local bleaching, carbonatization is important. Also some quartz-carbonate vein materials with a little tourmaline.
688.0	848.0	ANDESITE magnetite bearing zone, disseminated magnetite (1 to 3%) and some magnetite concentration in veinlets (mm). Fine grained, massive, light to medium grey, black dots of magnetite and fine feldspar lattes. Seems to be highly silicified and some carbonate alteration. Locally, little quartz-carbonate veins randomly distributed, eg at 724' (10cm) with little pyrite, about 2%.

HOLE NO.: 303-4

FOOTAGE
From To

DESCRIPTION

79438 711 721 WRA, magnetite bearing zone.
 745.0 Over 1', an altered zone, beige by silicification.
 748.0 848.0 Since 748', fine to medium grained, containing 20-30 % quartz. Locally looks like a quartz diorite. Locally, sequence was cut by quartz-carbonate vein 1 to 5 cm wide 1% by volume between 790-818' and highly silicified with 20% quartz.
 778.5 A late fracture, with ground channel way (oxidized) alteration.
 786.0 A mineralized zone within quartz-carbonate vein 10cm with pyrite 3%.
 79440 828 838 WRA, intermediate volcanic.

848.0 END OF HOLE

MOLE # 1 303-04

SAMPLE	FROM	TO	SiO2	TiO2	Al2O3	FeO*	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	Total	Cu	Zn	Ag	Au	HAI	SR	AI	MR	VI	PI	Al/Ti	
	ft	ft	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppb								
79430	77	87	62.69	0.77	14.28	7.14	0.19	3.41	2.05	0.85	1.79	0.10	5.82	99.09	456	603	0.7	10	64	17	68	43	71	80	19	
79431	168	178	64.23	0.83	13.57	6.99	0.10	4.90	1.05	0.75	1.49	0.09	4.47	98.46	12	244	<0.1	<5	78	18	67	5	33	87	16	
79432	228	233	58.35	0.76	13.66	7.43	0.12	3.46	4.80	3.48	0.81	0.11	7.55	100.54	159	118	<0.1	5	34	4	19	57	3	50	18	
79433	260	269	60.52	0.87	13.89	7.05	0.11	3.51	2.82	2.04	1.30	0.13	6.26	98.49	19	204	0.2	<5	50	7	39	9	10	63	16	
79434	338	348	66.62	0.59	11.81	4.20	0.09	2.13	3.38	1.33	1.24	0.11	6.63	98.13	16	72	<0.1	<5	42	9	48	18	5	62	20	
79435	408	418	62.74	0.86	14.00	5.95	0.11	3.44	2.87	2.22	0.88	0.13	6.54	99.74	14	120	0.2	<5	46	6	28	10	5	61	16	
79436	508	518	62.57	0.71	14.02	6.56	0.10	3.40	2.91	1.29	1.74	0.11	6.95	100.36	34	284	<0.1	<5	55	11	57	11	22	72	20	
79437	568	577	64.33	0.67	13.07	4.40	0.09	1.52	4.20	2.71	0.87	0.08	7.32	99.26	16	36	<0.1	<5	26	5	24	31	1	36	20	
79438	711	721	60.94	1.21	14.53	5.27	0.08	1.79	4.03	2.40	0.93	0.36	6.84	98.37	9	36	<0.1	<5	30	6	26	20	2	43	12	
79440	828	838	63.10	0.96	14.57	7.59	0.11	3.38	3.09	2.97	0.47	0.17	5.01	101.41	73	62	0.2	<5	39	5	14	54	2	53	15	

HOLE NO.: 303-5

DIAMOND DRILL LOG

PROJECT: COURAGEOUS
 PROVINCE:
 N.T.S.: 32 C/3
 TOWNSHIP: Louvucourt
 RANGE: VI
 LOT No.: 44
 CLAIM No.: 317036-1

COLLAR LOCATION

LOCAL GRID: 7+00N
 56+00W
 SURVEYED GRID.

Date started: May 15, 1990
 Date completed: May 17, 1990
 Core size: BQ
 Drilled by: Forage Alexandre
 Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -50.0
 Collar azimuth: 210.0
 Collar elevation: 10000.0 feet
 Total length: 1148.0 feet

Sample Numbers: 79155-79212

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
68.0		-50.0	650.0		-44.0
100.0		-49.0	700.0		-44.0
150.0		-48.0	750.0		-44.0
200.0		-47.0	800.0		-43.0
250.0		-47.0	850.0		-43.0
300.0		-46.0	900.0		-43.0
350.0		-46.0	950.0		-42.0
400.0		-45.0	1000.0		-42.0
450.0		-45.0	1050.0		-41.0
500.0		-45.0	1100.0		-41.0
550.0		-44.0	1148.0		-40.0
600.0		-44.0			

FOOTAGE
 From To

DESCRIPTION

.0 42.0 OVERBURDEN
 Casing left in the hole.

48.0 360.0 INTERMEDIATE VOLCANICS

48.0 152.0 ANDESITE Massive, fine grained, dark greenish grey, lava flow, some local variation with quartz-carbonate vein materials and local disseminated pyrite <1% or silky quartz vein with a little carbonate. Highly chloritization matrix.

48.0 54.0 Highly silicified zone, light grey, gradually passes dark grey andesitic lava.

60.0 62.0 Quartz-carbonate vein materials with a little disseminated pyrite 1%.

61.0 132.0 Showing a vuggy texture, empty vesicles, locally filled by pyrite or carbonate, 1 to 10 % by volume. Local disseminated pyrite <1%. Rock easily fractured with 2 systems, 50 and 20 deg/ce, Locally first one filled by carbonate.

79441 68 78 WRA, Andesitic rock with disseminated pyrite.

82.0 85.5 Milky quartz vein with some carbonate and local host rock material, no visible sulphide.

132.0 152.0 Highly altered zone with intense carbonate and silicification. Forming little veinlets 1 to 10 by volume and matrix intensely chloritized. Becomes light grey and local

FOOTAGE		DESCRIPTION
From	To	
		disseminated sulphide occurrence (up to 10 %, pyrite)>>chalcopyrite).
152.0	360.0	Massive flow, fine grained, dark greenish grey, composed of fine feldspar (50%) within chloritized matrix. Locally altered with silicification and carbonatization with disseminated pyrite. Pyrite uniformly distributed and ubiquitous everywhere but <1%. At 163' over 1.5', a quartz vein with carbonate, upper contact: 35 deg/ca and sporadic 1 to 10 cm quartz-carbonate veins also present.
198.0	208.0	Disseminated pyrite zone 1-2%.
240.0	247.0	A brecciation in situ with angular ferromagnesian rich fragments within a silicified matrix, fragments= 20-30%.
79442	182 192, 79443 162 178 and 79444 338 348	WRA, in massive andesitic flow.
319.0	321.0	Quartz vein milky quartz vein with a little carbonate and chlorite no visible sulphide but some disseminated sulphide in host rock pyrite 2%. Small quartz-carbonate vein cutting very irregularly.
360.0	458.0	INTERMEDIATE VOLCANICS FELSIC VOLCANICS
360.0	458.0	Very fine grained, massive, intermediate to felsic volcanic, dark grey, less chloritized matrix.
368.0	374.0	Disseminated pyrite 1 to 2% in chloritic matrix.
383.0	387.0	Highly mineralized zone within quartz-carbonate veins up to 5 % pyrite and a little chalcopyrite.
404.0		Quartz filled vesicular texture (10% vesicles, mm. ric).
410.0	411.0	A brecciated zone, fragments of intermediate volcanic host rock within a carbonate and quartz rich matrix.
79445	373 383 and 79446 438 448	WRA, intermediate to felsic volcanic.
		At the end of the sequence, some black chloritic spots (10%) with disseminated sulphide (1 %).
458.0	504.0	ASH TUFF
458.0	504.0	Fine grained, massive, dark greenish grey with dark coloured chloritic materials. Very finely laminated : about 60 deg/ca. little carbonate and quartz rich fragments mm to cm. Local quartz-carbonate veinlets filling tension fractures. With a little pyrite. Locally disseminated pyrite <1%, eg, at 482 to 485' 1% pyrite. And quartz-carbonate vein breccia (10cm). Sequence locally intensely chloritized.
79164	488 498	WRA, chloritic ash tuff.
		At 464', a special bluish silicified zone with pyrite 1%.
504.0	673.0	PYRITIC ASH LAPILLI TUFF
504.0	668.0	Intermediate to felsic volcanic, pyroclastite unit, highly pyritized and silicified.
504.0	518.0	Broken core 1 to 50% with local milky quartz vein. Containing disseminated or stringer pyrite. Weak lamination, generally // to broken surface: 70 deg/ca.. Milky quartz vein with carbonate at 510.5 over 3' and folded chlorite rich veinlet and disseminated sulphide at both contact of quartz vein At 514.5' a pyrite rich zone (10% over 10 cm).
518.0	548.0	ASH TUFF Massive ash tuff.. Fine grained, massive, finely laminated and with disseminated or widely spaced stringer (mm) pyrite. Local chlorite spots eg at 519'. Pyrite finely disseminated within chloritized and silicified matrix <1%.
79448	535 545	WRA, pyritic lapilli ash tuff with disseminated pyrite.
548.0	552.0	Broken zone with local ground water channel way alteration with oxidation.
552.0	651.0	Pyrite rich and silicified zone, containing 1 to 5% disseminated pyrite, fine grained (mm) or developed in fractures, locally constitute cement of pyroclastite fragments.. Rock weakly bleached because of silicification and some chlorite alteration with pyrite rich zone. Also some late carbonate veinlets locally folded.

HOLE NO.: 303-5

FOOTAGE		DESCRIPTION
From	To	
79449	568 578	WRA, pyritic lapilli ash tuff.
601.0	642.0	Pyritic ash tuff. Fine grained, weakly bleached, with pyrite veinlets (mm).. Pyrite veinlets are // to the lamination or foliation with 60-70 deg/ca, where rock is easily broken.. 2 to 3 disseminated pyrite.
642.0	651.0	Uniformly distributed pyritic zone. Fine grained, massive rock, seems to be an ash tuff, fine grained and disseminated pyrite content is 2 to 3.
651.0	673.0	Pyritic lapilli tuff. Locally lapilli size fragments within a chloritic matrix with disseminated pyrite bleached rock. End of the sequence pyrite quantity decreases. Between 651 and 661' intensely broken and local late fault, eg at 661'. Some chlorite alteration and rare carbonate veinlets. Weak lamination: 60-70 deg/ca.
673.0	734.0	LAPILLI-TUFF
673.0	734.0	Vesicular lapilli tuff. Angular felsic fragments (1 to 30%) by volume within a chloritic and vesicular matrix. Fine grained, massive, medium to dark grey White vesicule 1 to 20 % by volume, filled by carbonate and locally rare pyrite Same proportion of vesicules in matrix or fragments. Sporadically disseminated pyrite <1%. Felsic fragments contain local small quartz phenocrysts.
79450	683 693	WRA, vesicular lapilli tuff.
734.0	749.0	DYKE
734.0	749.0	Felsic to intermediate dyke, fine grained, medium grey, massive, with 1 to 2% disseminated pyrite.
79451	736 745	WRA, felsic to intermediate dyke in the white vesicular lapilli tuff.
		Sequence ended with a carbonate quartz vein (15 cm) with rare pyrite. Contact: 30 deg/ca.
749.0	793.0	LAPILLI-TUFF
749.0	778.0	White vesicular intermediate pyroclastite, Vessic.: up to 25%. Lapilli size fragment 1 to 25%, irregularly distributed, same as above lapilli tuff, less felsic fragments, locally more chloritic matrix. At 770' local 5 cm carbonate quartz veins with pyrite and a little chalcopyrite. Finely disseminated pyrite in chloritic matrix <1%.
79452	758 768	WRA, white vesicular lapilli tuff.
778.0	793.0	Same lapilli tuff, containing disseminated magnetite (1 %) and rock weakly bleached. Quantity of vesicules decrease to end of sequence.
793.0	819.0	DYKE
793.0	819.0	Massive felsic to intermediate magnetic dyke.. A magnetite bearing horizon. Finely disseminated spotty magnetite 1 to 2%. Some concentration in little veinlets and very rare carbonate veinlets with pyrite and rare chalcopyrite Locally rock highly fractured.
79453	803 813	WRA, magnetite bearing horizon, felsic to intermediate dyke.
819.0	1007.0	LAPILLI-TUFF
819.0	978.0	White vesicular intermediate pyroclastite, same as above, lapilli size fragments within a chloritic and vesicular matrix. Felsic or andesitic (often also vesicular) fragments within a chloritic matrix, fragments: 1 to 40 %, vessic.: 1 to 25% which were filled by carbonate and quartz. In the matrix, some quartz eyes eg at 833'. Local quartz-carbonate vein, eg at 876' over 15 cm with 40 deg/ca.
79454	832 842, 79455 918 928, and 79456 968 976	WRA, white vesicular lapilli tuff.
963.0		Over 3', rare bleached and disseminated pyrite zone (pyrite 2%).

HOLE NO.: 303-5

FOOTAGE		DESCRIPTION
From	To	
978.0	1007.0	Lapilli tuff without white vesicles, intermediate to felsic pyroclastite. Rock becoming massive and weakly bleached and rare disseminated pyrite. Also a bomb size felsic fragment at 1005'.
994.0	1002.0	Quartz-carbonate vein A quartz-carbonate vein with chloritic matrix or host rock fragments with just a little sulphide, locally vuggy texture. Seems a late fault zone and intensely brecciated zone.
1007.0	1148.0	ASH-LAPILLI TUFF Fine grained, massive, dark grey, weakly laminated, rare lapilli size fragments and homogenous. Looks like ash lapilli tuff.
1007.0	1119.0	Containing finely disseminated pyrite up to 3% or pyrite rich veinlets, and locally mm.ric euhedral disseminated pyrite crystals Lamination: 60 deg/ca. Disseminated ubiquitous and uniformly distributed pyrite all over the sequence. Very rare carbonate-quartz veinlets. Some black chloritic alteration.
79457	1018 1028, and 79458 1066 1076	WRA, weakly pyritic ash lapilli tuff.
1115.0	122.0	A zone rich in carbonate and rarely quartz veins, and a little sulphide (1%.
1118.0	1148.0	Same sequence as above but no disseminated pyrite, and rock more chloritic and some quartz phenocrysts rich lapilli size fragments and little feldspar lattes. Looks like an intermediate volcanic sequence.
79459	1133 1143	WRA, ash lapilli tuff, intermediate volcanic.
1148.0		END OF HOLE

HOLE NO.: AR303-5

ASSAY SAMPLE REPORT

NORTHING: 7+00N
 EASTING: 56+00W
 ELEVATION: 10000.00

AZIMUTH: 210
 DIP: -50

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
.0	42.0	OVERBURDEN								
48.0	360.0	INTERMEDIATE VOLCANICS								
60.0	61.0	Quartz-carbonate vein materials with pyrite 1%.	79155	60.0	61.0	1.0	53	37	.4	<5
82.0	84.0	Milky quartz vein no sulphide.	79156	82.0	84.0	2.0	51	15	.4	<5
144.0	148.0	Highly carbonatized and silicified zone with 1% pyrite.	79157	144.0	148.0	4.0	41	22	<.2	10
150.0	152.0	As above, with locally 10% pyrite.	79158	150.0	152.0	2.0	49	77	.4	200
202.0	206.0	Disseminated pyrite 2-3% within chloritized and silicified matrix.	79159	202.0	206.0	4.0	147	36	.4	15
319.0	321.0	Milky quartz vein with a little carbonate and chloritic materials.	79160	319.0	321.0	2.0	60	19	<.2	<5
321.0	324.0	Disseminated pyrite 2% at the contact of quartz vein.	79161	321.0	324.0	3.0	42	38	.2	5
360.0	458.0	INTERMEDIATE VOLCANICS FELSIC VOLCANICS								
383.0	387.0	Quartz-carbonate veinlets with pyrite 4% and a little chalcopyrite.	79162	383.0	387.0	4.0	985	29	.6	15
435.0	438.0	Disseminated pyrite 1% with chloritic spots.	79163	435.0	438.0	3.0	48	19	.4	<5
458.0	504.0	ASH TUFF								
464.0	465.0	Bluish silicified zone with pyrite 1%.	79164	464.0	465.0	1.0	471	20	.4	5
479.0	482.5	Disseminated pyrite 1%, silicified and carbonatized with quartz-carbonate veinlets.	79165	479.0	482.5	3.5	35	36	.8	5
482.5	484.5	Quartz-carbonate vein (10cm) with disseminated pyrite.	79166	482.5	484.5	2.0	52	40	.6	165
504.0	673.0	PYRITIC ASH LAPILLI TUFF								
508.0	510.5	Contact of milky quartz vein with disseminated pyrite 1 to 2%.	79167	508.0	510.5	2.5	63	26	1.2	<5
510.5	513.5	Milky quartz vein with carbonate and chloritic vein.	79168	510.5	513.5	3.0	39	11	.2	<5
513.5	518.0	Disseminated and stringer pyrite locally 5% over 5 mm.	79169	513.5	518.0	4.5	135	35	.6	<5
524.0	528.0	Disseminated pyrite 1% with a little (10 cm) quartz vein.	79170	524.0	528.0	4.0	26	13	1.0	<5
538.0	541.0	Pyrite stringers and disseminated pyrite 1 to 2%.	79171	538.0	541.0	3.0	30	13	<.2	<5
552.0	557.0	Disseminated pyrite 2 to 3%, silicified rock and weakly bleached.	79172	552.0	557.0	5.0	31	14	<.2	5
557.0	562.0	As above.	79173	557.0	562.0	5.0	25	17	.2	<5
564.0	568.0	As above.	79174	564.0	568.0	4.0	43	19	.4	<5
570.0	575.0	As above, also some carbonate veinlets with pyrite rich zone.	79175	570.0	575.0	5.0	33	47	<.2	25
578.0	582.0	Disseminated and stringer pyrite 2 to 3%.	79176	578.0	582.0	4.0	51	18	.4	<5

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
	584.0	587.0								
	584.0	587.0	79177	584.0	587.0	3.0	32	10	.8	5
	589.0	593.0								
	589.0	593.0	79178	589.0	593.0	4.0	24	16	<.2	<5
	593.0	597.0								
	593.0	597.0	79179	593.0	597.0	4.0	30	25	<.2	15
	597.0	601.0								
	597.0	601.0	79180	597.0	601.0	4.0	32	36	.6	<5
	608.0	612.0								
	608.0	612.0	79181	608.0	612.0	4.0	53	28	<.2	<5
	624.0	628.0								
	624.0	628.0	79182	624.0	628.0	4.0	50	42	.4	10
	628.0	632.0								
	628.0	632.0	79183	628.0	632.0	4.0	44	18	.8	10
	632.0	636.0								
	632.0	636.0	79184	632.0	636.0	4.0	56	142	.8	<5
	636.0	639.0								
	636.0	639.0	79185	636.0	639.0	3.0	60	123	1.0	5
	639.0	642.0								
	639.0	642.0	79186	639.0	642.0	3.0	59	29	1.0	5
	642.0	647.0								
	642.0	647.0	79187	642.0	647.0	5.0	51	25	<.2	<5
	647.0	651.0								
	647.0	651.0	79188	647.0	651.0	4.0	55	1470	1.8	5
	651.0	655.0								
	651.0	655.0	79189	651.0	655.0	4.0	49	48	2.2	90
	661.0	665.0								
	661.0	665.0	79190	661.0	665.0	4.0	43	31	.2	135
	668.0	673.0								
	668.0	673.0	79191	668.0	673.0	5.0	37	49	<.2	10
673.0	734.0	LAPILLI-TUFF								
	693.0	697.0								
	693.0	697.0	79192	693.0	697.0	4.0	57	62	<.2	5
	708.0	712.0								
	708.0	712.0	79193	708.0	712.0	4.0	144	68	<.2	15
	723.0	727.0								
	723.0	727.0	79194	723.0	727.0	4.0	32	70	<.2	10
	727.0	731.0								
	727.0	731.0	79195	727.0	731.0	4.0	40	65	.4	5
	731.0	734.0								
	731.0	734.0	79196	731.0	734.0	3.0	39	89	<.2	<5
734.0	749.0	DYKE								
	745.0	748.0								
	745.0	748.0	79197	745.0	748.0	3.0	42	60	<.2	5
	748.0	749.0								
	748.0	749.0	79198	748.0	749.0	1.0	40	68	<.2	<5
749.0	793.0	LAPILLI-TUFF								
	768.0	771.0								
	768.0	771.0	79199	768.0	771.0	3.0	638	87	<.2	170
	771.0	773.0								
	771.0	773.0	79200	771.0	773.0	2.0	85	58	<.2	<5
793.0	819.0	DYKE								
819.0	1007.0	LAPILLI-TUFF								
	963.0	966.0								
	963.0	966.0	79201	963.0	966.0	3.0	91	40	<.2	65
	988.0	991.0								
	988.0	991.0	79202	988.0	991.0	3.0	55	65	.2	5
	991.0	994.0								
	991.0	994.0	79203	991.0	994.0	3.0	30	79	.4	<5
	994.0	998.0								
	994.0	998.0	79204	994.0	998.0	4.0	40	91	.8	<5
	998.0	1002.0								
	998.0	1002.0	79205	998.0	1002.0	4.0	78	95	.8	5
1007.0	1148.0	ASH-LAPILLI TUFF								
	1038.0	1042.0								
	1038.0	1042.0	79206	1038.0	1042.0	4.0	75	100	.2	<5
	1044.0	1048.0								
	1044.0	1048.0	79207	1044.0	1048.0	4.0	232	98	.6	<5
	1048.0	1051.0								
	1048.0	1051.0	79208	1048.0	1051.0	3.0	69	75	.6	<5

HOLE # : 303-05

SAMPLE	FROM ft	TO ft	SiO2 %	TiO2 %	Al2O3 %	FeOT %	MnO %	HgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	Total %	Cu ppm	Zn ppm	Ag ppm	Au ppb	HAI	SR	AI	MR	VI	PI	AI/VI
79441	68	78	65.19	1.20	13.95	7.35	0.04	3.16	1.26	3.17	0.80	0.21	3.44	99.78	270	48	0.8	14	47	4	20	85	2	50	12
79442	182	192	63.65	1.14	13.82	7.04	0.09	3.85	1.54	2.54	0.86	0.21	4.34	99.07	60	126	0.3	44	54	5	25	32	5	60	12
79443	268	278	64.78	1.15	13.69	6.11	0.06	4.89	1.45	1.59	0.90	0.22	5.10	99.93	15	47	<0.1	<5	66	9	36	24	3	75	12
79444	338	348	63.03	1.00	13.05	8.03	0.08	4.70	1.50	1.07	0.98	0.19	4.90	98.53	38	59	<0.1	<5	69	12	48	39	6	81	13
79445	373	383	61.86	1.00	13.19	8.40	0.07	6.48	0.95	0.55	0.65	0.17	5.28	98.60	53	54	0.8	<5	83	24	54	50	10	92	13
79446	438	448	68.99	0.94	12.27	6.69	0.05	4.62	0.91	1.11	0.83	0.19	4.27	100.89	20	40	<0.1	<5	73	11	43	33	4	81	13
79447	488	498	52.49	0.80	17.96	11.07	0.08	6.95	0.84	0.53	1.68	0.09	5.68	98.19	15	77	0.3	14	86	34	76	16	15	93	22
79448	535	545	64.39	1.07	14.22	6.88	0.03	4.09	1.06	0.67	1.86	0.18	3.87	98.30	23	40	0.3	<5	77	21	74	37	6	86	13
79449	568	578	58.47	0.96	15.29	8.41	0.03	4.60	1.01	0.70	2.21	0.10	6.43	98.21	23	31	0.3	13	80	22	76	43	4	87	16
79450	683	693	59.63	1.09	14.34	7.32	0.10	4.29	2.43	1.93	1.09	0.15	6.09	98.45	26	95	0.2	13	55	7	36	21	5	69	13
79451	736	745	62.98	1.06	14.27	6.32	0.06	2.96	2.14	2.14	1.25	0.20	4.92	98.31	22	78	<0.1	11	50	7	37	22	4	58	13
79452	758	768	59.63	1.12	14.83	7.60	0.12	3.50	2.69	2.64	1.00	0.17	5.25	98.56	77	92	0.3	6	46	6	27	44	4	57	13
79453	803	813	64.35	1.28	13.28	7.03	0.08	1.75	3.35	4.78	0.67	0.25	5.17	102.00	32	28	<0.1	<5	23	3	12	53	1	27	10
79454	832	842	57.01	1.06	14.68	7.49	0.12	3.66	3.80	2.01	1.11	0.18	7.42	98.54	53	70	<0.1	<5	45	7	36	43	3	65	14
79455	918	928	58.72	1.16	13.75	7.33	0.12	3.22	3.92	1.76	1.21	0.17	7.05	98.40	33	47	0.7	<5	44	8	41	41	3	65	12
79456	968	976	60.64	1.16	13.85	7.84	0.09	3.89	2.56	1.11	1.13	0.21	6.53	99.01	37	152	0.3	<5	58	12	50	20	14	78	12
79457	1018	1028	58.56	1.14	13.83	7.00	0.12	3.11	4.49	1.78	0.37	0.22	8.03	98.65	94	149	0.4	<5	36	8	17	39	8	64	12
79458	1066	1077	61.43	1.06	13.87	6.76	0.09	2.25	3.70	1.81	0.37	0.26	7.15	98.75	52	124	1.2	<5	32	8	17	30	7	55	13
79459	1133	1143	61.53	0.99	13.39	6.65	0.15	2.45	4.31	1.43	0.55	0.27	8.05	99.97	111	149	0.8	<5	34	9	28	43	10	63	14

HOLE NO.: 303-6

AUR RESOURCES INC.

DIAMOND DRILL LOG

PAGE: 1

PROJECT: COURAGEOUS
PROVINCE:
N.T.S.: 32 C/03
TOWNSHIP: Louvicourt
RANGE: VI
LOT No.: 44
CLAIM No.: 317036-1

COLLAR LOCATION

LOCAL GRID: 0
59+00W
SURVEYED GRID:

Date started: May 18, 1990
Date completed: May 23, 1990
Core size: 80
Drilled by: Forage Alexandre
Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -50.0
Collar azimuth: 210.0
Collar elevation: 10000.0 feet
Total length: 1108.0 feet

Sample Numbers: 79213-79282

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
100.0		-50.0	650.0		-43.0
150.0		-50.0	700.0		-43.0
200.0		-49.0	750.0		-42.0
250.0		-48.0	800.0		-41.0
300.0		-47.0	850.0		-41.0
350.0		-46.0	900.0		-41.0
400.0		-46.0	950.0		-40.0
450.0		-45.0	1000.0		-40.0
500.0		-45.0	1050.0		-40.0
550.0		-44.0	1100.0		-40.0
600.0		-44.0			

FOOTAGE
From To

DESCRIPTION

.0 30.0 OVERBURDEN
Casing left in the hole.

30.0 209.0 PYRITIC ASH LAPILLI TUFF

A special pyritic intermediate to felsic pyroclastite horizon. Fine grained, medium grey, massive, but easily broken, laminated: 40-50 deg/ca. Disseminated pyrite, or pyrite veinlets or vesicular pyrite (vesicles often filled by pyrite). Chloritic alteration but silicification less evident, rock is weakly bleached. Also spotted chlorite-pyrite vesicles disseminated pyrite 1 to 4%, veinlets pyrite 1 to 2%, vesicular pyrite 0 to 3%.

79460 38 48 WRA, pyritic ash lapilli tuff with vesicular pyrite 2% to 3%.

79461 97 106 WRA, same as above.

79462 150 157 WRA, disseminated pyrite and chloritic alteration.

54.0 A carbonate-quartz vein (2 cm and 45 deg/ca). Pyritization seems to be a late event.

69.0 A quartz-carbonate rich vein material with disseminated pyrite. Locally, felsic fragments, eg, at 74'.

Several ground water channelways alteration with oxidation in fractures surfaces, eg at 96', 114',

HOLE NO.: 303-6

FOOTAGE		DESCRIPTION
From	To	
		121' and main fault zone.
118.0	168.0	More massive, less vesicular, only disseminated pyrite and chloritic alteration with spotted texture. Also less pyrite veinlets.
177.0	209.0	Fault zone highly brecciated zone, oxidation on the fractures surfaces. A typical late fault zone. Recuperation 95%. Locally intensely broken core. Well defined foliation: 50-60 deg/ca, may be // to main fault?.
209.0	288.0	INTERMEDIATE VOLCANICS FELSIC VOLCANICS Massive flow, medium grey, fine grained, alternating with pyroclastic unit. Local carbonate quartz veinlets and disseminated (mm.ric, euhedral) pyrite.
209.0	218.0	Lapilli tuff, characterized by lapilli size fragments within a chloritic matrix. Some local disseminated pyrite and rare quartz-carbonate veining.
218.0	246.0	Massive andesite flow, weakly bleached, local disseminated euhedral pyrite 1 to 2% (mm.ric).
79463	227 237	WRA, andesitic flow.
246.0	258.0	Lapilli tuff, fragmental with lapilli size fragments in chloritic matrix. Intensely deformed rock with protomylonitic texture and some euhedral (mm.ric) disseminated pyrite 1-2% and weak lamination: 50-60 deg/ca most of fragments angular (10 to 30%).
258.0	267.0	Massive andesite flow same as above.
267.0	281.0	Lapilli tuff horizon, same as above. 79464 268 278 WRA.
281.0	288.0	Massive andesite flow, same as above, a quartz carbonate vein over 15 cm with a little sulphide.
288.0	375.0	LAPILLI-ASH TUFF Felsic to intermediate fragmental volcanic, pyroclastites. Fine grained, massive, unsorted with intermediate fragments and felsic fragments in chloritic matrix, some chloritization, local black spotted chlorite. Fragments are lapilli size. local ubiquitous disseminated pyrite 0 to 2% and rare speck of chalcopryrite, eg at 319'. Felsic fragments mostly containing quartz phenocrysts. At 326.5' over 10ca a quartz-carbonate vein material with sulphide and visible alteration at the contact over 5cm. Intermediate fragments > felsic fragments. 79465 298 308 and 79466 359 369 WRA, lapilli ash tuff. Locally cut by rare quartz-carbonate veinlets and also rare pyrrhotite occurrence with pyrite eg at 355'. Size and quantity of felsic fragments with quartz phenocrysts increase at the end of the sequence.
375.0	414.0	FELSIC PYROCLASTIC SEQUENCE Massive, fine grained, medium to dark grey, with quartz phenocrysts felsic fragments and spotted chlorite (dark) alteration. Locally feldspar phenocrysts may be crystals tuff matrix. Sequence starts with quartz-carbonate vein containing tourmaline (5cm). Contact: 50 deg/ca. Locally disseminated sulphide 1%. At 399', a quartz-carbonate vein over 15 cm with sulphide stringers 4 to 5%, pyrite and rare chalcopryrite. Visible alteration over 5cm at the vein contact. 79467 383 393 WRA, felsic pyroclastic.
414.0	428.5	DYKE Felsic to intermediate dyke. Fine grained, massive, dark grey, composed of some quartz phenocrysts and finely disseminated sulphide (<1%). 79468 418 428 WRA, felsic to intermediate dyke.

FOOTAGE		DESCRIPTION
From	To	
428.5	774.0	FELSIC PYROCLASTIC SEQUENCE AGGLOMERATE Massive, fragmental, medium to dark grey, fine grained volcanic rock. Felsic fragments within chloritic matrix. Local mineralized quartz-carbonate vein with tourmaline. Lapilli to agglomerate size (variable) fragments, heterogeneous in composition. Most of the felsic fragments seem to be dacite with quartz phenocrysts 10 to 30%. Local cherty fragments are also found.
428.5	438.0	Sequence progressively becomes fragmental, and quartz free dacite or felsic fragments occur. At 433 A tourmaline breccia zone over 4 cm: 55-60 deg/ca, with host rock fragments.
438.0	446.5	Felsic fragmental rock, beige to white quartz phenocryst rich fragments within chloritic matrix. Felsic fragments up to 60%, this zone is in contact a wide mineralized quartz-carbonate vein with tourmaline and containing also little disseminated sulphide within quartz-carbonate vein material.
446.5	451.0	Quartz-tourmaline vein A mineralized quartz-tourmaline vein with carbonate and sulphide, euhedral ferric pyrite. Also chloritized matrix materials where there are more sulphide. Contact: 45-50 deg/ca, carbonate 10 to 15%, tourmaline 5 to 10%, chloritic matrix 0 to 40%, sulphide 0 to 4%.
451.0	488.0	Less quartz (phenocrysts) bearing felsic fragments, some alteration around quartz-tourmaline vein and weakly bleaching, also cut by local mineralized quartz-carbonate veins 1 to 10 cm, eg, at 468' over 2 cm with 10% pyrite. and 444.5' over 12 cm with 1 to 3% pyrite and vuggy texture. Some sulphide rich veinlets cut this sequence, eg at 457' over 0.3 m: 50 deg/ca 476' (1 m).
488.0	572.0	Massive, seems to be homogenous fragmental rock, locally microcrystalline groundmass, looks like an intermediate intrusive, but quartz bearing felsic fragments easily observable, they are less abundant. Locally lapilli size felsic fragments more abundant, eg, at 565'.
508.0	509.5	A mineralized zone with quartz-carbonate vein material and silicified matrix with little sulphide 1 to 2%.
79469	513 523	WRA, felsic pyroclastite.
572.0	608.0	Agglomerate the large size polygenic fragments. Most of them look like a intermediate intrusive groundmass fragments. Locally some fragments surrounded by sulphide cement, eg at 584'.
79470	594 604	WRA, agglomerate sequence.
608.0	631.0	Cherty breccia. angular lapilli size fragments of white to beige colour chert with lapilli size felsic fragment. Weak foliation: 50 deg/ca. Due to allongation of fragments.
631.0	707.0	Felsic fragmental rock, lapilli size, but locally granophyre like texture indicates felsic intrusive characteristic of some part of sequence, same time, there are many felsic fragments. Some local quartz carbonate veinlets, eg at 653'.
673.0	674.0	Fault zone An intensely brecciated zone with highly silicified materials within chloritic and sericitic matrix also a little disseminated sulphide. Contact: 50 deg/ca. Also local sulphide spots, pyrite and chalcopyrite, eg at 683-688'. Should also mention epidote occurrence, eg at 688'.
79471	667 673	WRA, granophyre like felsic intrusive.
707.0	734.0	Chlorite rich horizon, felsic fragments highly chloritized matrix, locally gives spotted aspect. Green chlorite 1 to 20%, and increase to the intensely broken zone between 720 and 728'. With broken zone, local development of quartz-carbonate rich vein material with little disseminated sulphide, accompanying a red brown mineral, probably hematite and also euhedral disseminated pyrite.
79472	719 727	WRA, chlorite rich and broken zone.
734.0	774.0	Felsic pyroclastite, angular felsic fragments within chloritic matrix, local epidote. Massive, fine to medium grained, at the end of sequence highly brecciated. Local silky quartz veins with little carbonate, eg, at 745' over 18 cm and 758' over 25 cm,

HOLE NO.: 303-6

FOOTAGE
From To

DESCRIPTION

no visible sulphide. Contact: 50 deg/ca. Microcrystalline groundmass.

774.0 813.5 DYKE

Disseminated magnetite bearing horizon. 1 to 2% magnetite within fine grained, massive medium grey, massive. Looks like also fragmental rock with quartz (phenocrysts) bearing felsic fragments, also weakly bleached. At the end of the sequence no fragments, rock more massive and intermediate in composition. Some magnetite rich (mm) veinlets.

79473 796 806 WRA, intermediate magnetite bearing dyke.

813.5 818.0 ALTERED MINERALIZED ZONE

Weakly mineralized quartz-tourmaline vein material zone at the end of the magnetite bearing intermediate dyke zone. Locally vein was cut by tourmaline veinlets :50-60 deg/ca and disseminated sulphide 1 to 2%. Quartz-tourmaline vein over 2 feet and intensely brecciated zone with silicified matrix and vein material (quartz, tourmaline etc.). Sulphide 1 to 2% and local disseminated magnetite.

818.0 916.0 FELSIC PYROCLASTIC SEQUENCE

Hornblende bearing horizon.

Hornblende bearing groundmass forming cement of this fragmental rock, giving dark green and spotted aspect. Fragmental rock, polygenic fragments in hornblende rich groundmasses. Lapilli size or more fragments, representing 20 to 80% by volume. As fragments: quartz porphyry, disseminated magnetite containing, felsic medium grained intermediate hornblende rich intrusive. No sorting, and sequence looks like medium grained hornblende rich diorite intrusion. sequence seems to be really homogeneous.

79474 843 853 and 79475 898 908 WRA, hornblende bearing zone, diorite?.

916.5 929.0 ALTERED MINERALIZED ZONE

Weakly mineralized vein material zone quartz-tourmaline vein, intensely altered by silicification, zone locally intensely brecciated.

916.5 919.0 Brecciated zone with vein material within chloritic matrix, containing late carbonate vein and disseminated euhedral calcic carbonate 2 to 10%. Sericite and tourmaline present with local sulphide 1%.

919.0 926.5 Highly silicified and brecciated zone with local 4 to 5% sulphide (pyrite) concentration at 923'.

926.5 927.5 Milky quartz vein with little carbonate, tourmaline and sulphide.

928.0 929.0 Quartz carbonate vein material with chloritic matrix and little sulphide.

929.0 1005.0 DIORITE

Hornblende diorite.

Medium grained, massive, spotted intermediate intrusive containing 25 to 35% hornblende locally chloritized and some disseminated euhedral pyrite 1 to 3%. Locally becomes fine grained, and medium to beige in colour and highly silicified.

79476 953 963 WRA, hornblende diorite zone.

1005.0 1096.0 FELSIC PYROCLASTIC SEQUENCE

Hornblende bearing pyroclastite zone, a little same as above, with rare lapilli size fragments which are less abundant, most of them intermediate medium grained intrusive, also quartz porphyry

HOLE NO.: 303-6

FOOTAGE		DESCRIPTION
From	To	
		fragments, hornblende (chloritized) rich matrix. Local quartz carbonate vein with little sulphide, eg, at 1065' over 5cm :40 deg/ca. Also local silicification and disseminated sulphide <1%.
		79477 1048 1058 WRA. hornblende rich pyroclastite.
1096.0	1108.0	DIORITE Same hornblende dioritic rock as above.
1108.0		END OF HOLE

HOLE NO.: AR303-6

ASSAY SAMPLE REPORTNORTHING: 0
EASTING: 59+00W
ELEVATION: 10000.00AZIMUTH: 210
DIP: -50

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
.0	30.0	OVERBURDEN								
30.0	209.0	PYRITIC ASH LAPILLI TUFF								
30.0	34.0	Disseminated and vassicular pyrite 2 to 3%, weakly bleached.	79213	30.0	34.0	4.0	80	21	.4	<5
34.0	38.0	As above, plus pyrite veinlets 3 to 4%.	79214	34.0	38.0	4.0	41	18	.4	<5
44.0	47.0	As above, with black chlorite alteration.	79215	44.0	47.0	3.0	33	34	<.2	<5
49.0	53.0	As above with highly bleached zone, pyrite 3 to 4%.	79216	49.0	53.0	4.0	30	36	<.2	<5
60.0	64.0	Disseminated and veinlets pyrite 1% with chloritic alteration.	79217	60.0	64.0	4.0	36	40	<.2	<5
64.0	68.0	As above.	79218	64.0	68.0	4.0	35	38	<.2	<5
69.0	72.0	Vein materials, quartz-carbonate vein with pyrite, and pyrite veinlets or vassicular pyrite 2 to 3%.	79219	68.0	72.0	4.0	31	27	<.2	5
76.0	80.0	Disseminated pyrite 2 to 3%.	79220	76.0	80.0	4.0	39	29	<.2	5
82.0	86.0	As above.	79221	82.0	86.0	4.0	40	27	<.2	10
86.0	90.0	As above.	79222	86.0	90.0	4.0	37	35	<.2	5
90.0	93.0	Vassicular and veinlets or disseminated pyrite 2 to 3%.	79223	90.0	93.0	3.0	30	42	.6	5
93.0	97.0	As above.	79224	93.0	97.0	4.0	35	40	.4	5
102.0	106.0	Disseminated and vassicular pyrite 1 to 2%.	79225	102.0	106.0	4.0	38	61	.8	<5
106.0	109.0	A pyritic nodule and disseminated or vassicular pyrite 1 to 2%.	79226	106.0	109.0	3.0	59	49	.4	10
109.0	113.0	Vassicular and disseminated pyrite 1 to 2%.	79227	109.0	113.0	4.0	50	70	.6	<5
113.0	118.0	As above.	79228	113.0	118.0	5.0	51	65	.6	10
122.0	125.0	Disseminated pyrite 1 to 2%.	79229	122.0	125.0	3.0	78	101	.6	<5
128.0	132.0	Finely disseminated pyrite 1%.	79230	128.0	132.0	4.0	240	119	.6	<5
138.0	142.0	Stringer pyrite veinlets with chloritic alteration.	79231	138.0	142.0	4.0	50	128	.2	200
145.0	148.0	Finely disseminated pyrite and pyrite veinlets 1 to 2%.	79232	145.0	148.0	3.0	56	151	.6	35
159.0	163.0	As above, also with rare carbonate veinlets.	79233	159.0	163.0	4.0	297	140	.8	35
163.0	167.0	As above.	79234	163.0	167.0	4.0	91	122	.6	5
168.0	172.0	As above, 1% pyrite.	79235	168.0	172.0	4.0	41	129	.6	15
172.0	176.0	As above.	79236	172.0	176.0	4.0	52	142	.4	5
176.0	180.0	Near the late fault zone, intense brecciation and disseminated pyrite 1 to 2%.	79237	176.0	180.0	4.0	59	147	.2	5
180.0	183.0	As above, in the late fault zone, oxidation in the fractures.	79238	180.0	183.0	3.0	50	98	.2	5
194.0	198.0	Late fault zone, intense brecciation and oxidation in the fractures with disseminated pyrite 1%.	79239	194.0	198.0	4.0	72	109	<.2	30
203.0	206.0	As above.	79240	203.0	206.0	3.0	52	104	<.2	<5
209.0	288.0	INTERMEDIATE VOLCANICS FELSIC VOLCANICS								
209.0	210.5	Disseminated and stringer pyrite 1%.	79241	209.0	210.5	1.5	25	116	<.2	35
210.5	214.0	Rare quartz-carbonate veinlets and disseminated or stringer pyrite 1%.	79242	210.5	214.0	3.5	29	101	<.2	5

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
214.0	218.0	Quartz-carbonate veinlets little sulphide in matrix <1%.	79243	214.0	218.0	4.0	33	86	<.2	5
238.0	241.0	Disseminated euhedral mm.ric pyrite 1%.	79244	238.0	241.0	3.0	68	40	<.2	5
241.0	245.0	Disseminated pyrite and rare quartz-carbonate veinlets.	79245	241.0	245.0	4.0	24	56	<.2	5
246.0	249.0	Disseminated and euhedral pyrite 1 to 2%.	79246	246.0	249.0	3.0	18	48	.4	<5
250.0	254.0	As above and little quartz-carbonate vein 3 cm.	79247	250.0	254.0	4.0	26	39	<.2	<5
284.0	286.0	Quartz-carbonate vein (15 cm) with little sulphide and disseminated pyrite 1%.	79248	284.0	286.0	2.0	31	35	<.2	<5
288.0	375.0	LAPILLI-ASH TUFF								
288.0	291.0	Disseminated pyrite 1 to 2%.	79249	288.0	291.0	3.0	42	33	<.2	<5
318.0	321.0	Disseminated pyrite, quartz-carbonate vein and rare speck of chalcopryrite.	79250	318.0	321.0	3.0	60	46	<.2	5
326.0	328.0	A quartz carbonate vein material with sulphide 1 to 2%.	79251	326.0	328.0	2.0	69	28	.6	5
355.0	358.0	Disseminated and stringer sulphide with little pyrrhotite.	79252	355.0	358.0	3.0	120	65	.2	<5
375.0	414.0	FELSIC PYROCLASTIC SEQUENCE								
396.0	399.0	Contact of mineralized quartz-carbonate vein.	79253	396.0	399.0	3.0	176	57	2.0	5
399.0	400.5	Mineralized quartz-carbonate vein with 4 to 5% sulphide (15 cm wide).	79254	399.0	400.5	1.5	98	45	1.2	35
400.5	403.5	Contact of mineralized quartz-carbonate vein.	79255	400.5	403.5	3.0	83	61	1.2	5
408.0	411.0	Disseminated sulphide, pyrite and speck of chalcopryrite.	79256	408.0	411.0	3.0	73	82	2.0	10
411.0	414.0	Disseminated sulphide and mineralized quartz veinlet.	79257	411.0	414.0	3.0	121	85	.6	5
414.0	428.5	DYKE								
428.5	774.0	FELSIC PYROCLASTIC SEQUENCE AGGLOMERATE								
438.0	443.0	Disseminated euhedral pyrite 1%.	79258	438.0	443.0	5.0	62	88	.4	<5
443.0	444.5	Quartz-carbonate vein stucked on the core with sulphide, pyrite and rare chalcopryrite.	79259	443.0	444.5	1.5	525	93	.6	5
444.5	446.5	Contact of mineralized quartz-carbonate vein.	79260	444.5	446.5	2.0	34	70	.6	<5
446.5	448.0	Mineralized quartz-carbonate vein with tourmaline and chloritized matrix, sulphide 1 to 2%.	79261	446.5	448.0	1.5	50	58	.4	5
448.0	451.0	As above.	79262	448.0	451.0	3.0	33	29	.2	<5
451.0	455.5	Contact of mineralized quartz-carbonate vein with little disseminated pyrite 1%.	79263	451.0	455.5	4.5	77	135	<.2	5
455.5	458.0	A sulphide rich vein (0.5 mm).	79264	455.5	458.0	2.5	54	199	<.2	<5
483.0	485.0	Quartz-carbonate vein with sulphide 1 to 3%, vein=12 cm.	79265	483.0	485.0	2.0	30	175	.2	<5
508.0	510.0	Quartz-carbonate vein with pyrite over 15 cm and 1 to 2% pyrite.	79266	508.0	510.0	2.0	61	100	<.2	15
673.0	674.0	Brecciated fault zone, rare disseminated sulphide.	79267	673.0	674.0	1.0	69	22	.4	<5
685.0	688.0	Sulphide spots with pyrite and chalcopryrite in silicified zone.	79268	685.0	688.0	3.0	1685	66	<.2	25
727.0	731.0	Quartz-carbonate rich vein material with disseminated sulphide 2 to 3% with hematite.	79269	727.0	731.0	4.0	236	131	.2	<5

HOLE NO.: AR303-6

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
774.0	813.5	DYKE								
	810.5	813.5	79270	810.5	813.5	3.0	25	72	.2	<5
	Contact of mineralized quartz-tourmaline vein materials with visible alteration.									
813.5	818.0	ALTERED MINERALIZED ZONE								
	813.5	815.5	79271	813.5	815.5	2.0	57	60	.2	<5
	Mineralized quartz-tourmaline vein with sulphide 1 to 2%.									
	815.5	818.0	79272	815.5	818.0	2.5	39	49	<.2	<5
	Highly brecciated and altered vein material with sulphide 1 to 2%.									
818.0	916.0	FELSIC PYROCLASTIC SEQUENCE								
	818.0	822.0	79273	818.0	822.0	4.0	68	118	<.2	5
	Contact of mineralized zone in felsic pyroclastite.									
916.5	929.0	ALTERED MINERALIZED ZONE								
	916.5	919.0	79274	916.5	919.0	2.5	94	62	<.2	5
	Quartz vein material with chlorite, tourmaline and little sulphide, also late carbonate vein.									
	919.0	922.0	79275	919.0	922.0	3.0	50	66	<.2	5
	Highly silicified and brecciated zone with few sulphide.									
	922.0	924.0	79276	922.0	924.0	2.0	34	53	<.2	5
	Local sulphide concentration (4 to 5% Pyrite) in silicified zone.									
	924.0	928.0	79277	924.0	928.0	4.0	29	58	.2	<5
	Highly deformed and silicified zone with a milky quartz vein with rare sulphide (over 15cm).									
	928.0	929.0	79278	928.0	929.0	1.0	342	117	.2	<5
	Quartz-carbonate vein material with little sulphide.									
929.0	1005.0	DIORITE								
	929.0	933.0	79279	929.0	933.0	4.0	22	117	<.2	<5
	Contact of mineralized zone with disseminated, euhedral (mm.ric) or stringer pyrite 1% in hornblende diorite.									
	933.0	936.0	79280	933.0	936.0	3.0	29	126	.4	<5
	As above.									
	938.0	940.0	79281	938.0	940.0	2.0	53	86	<.2	<5
	Milky quartz vein with carbonate and chloritic matrix over 12 cm in hornblende diorite.									
	940.0	943.0	79282	940.0	943.0	3.0	165	120	.6	<5
	Disseminated euhedral (mm.ric to cm.ric) pyrite 3 to 4%.									
1005.0	1096.0	FELSIC PYROCLASTIC SEQUENCE								
1096.0	1108.0	DIORITE								
1108.0	END OF HOLE									

HOLE # : 303-06

SAMPLE	FROM ft	TO ft	SiO2 %	TiO2 %	Al2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	Total %	Cu ppm	Zn ppm	Ag ppm	Au ppb	HAI	GR	AI	NR	VI	PI	AI/TL
79460	38	48	64.92	1.08	13.90	7.35	0.05	3.67	0.93	1.51	1.41	0.26	4.89	99.95	34	61	0.6	6	68	9	48	36	4	71	13
79461	97	106	64.80	1.14	14.15	7.07	0.07	3.03	1.47	1.07	2.37	0.29	5.16	100.64	35	78	0.6	15	68	13	69	31	7	74	12
79462	150	159	64.43	1.05	13.40	8.77	0.09	3.99	1.25	0.59	1.80	0.26	5.02	100.65	505	260	0.9	25	76	25	75	66	44	87	13
79463	227	237	62.04	1.00	12.84	6.95	0.10	3.23	3.22	0.98	1.81	0.29	7.17	99.63	24	81	0.5	<5	55	13	65	23	8	77	13
79464	268	278	62.34	1.02	13.32	7.01	0.08	3.84	1.89	2.23	1.11	0.27	5.45	98.56	33	71	0.6	<5	55	6	33	32	3	63	13
79465	298	308	63.67	1.12	13.63	7.02	0.09	2.98	1.85	2.62	1.31	0.27	5.18	99.73	51	57	0.6	<5	49	5	33	47	2	53	12
79466	359	369	65.18	0.98	12.83	7.17	0.10	2.96	2.17	1.48	1.01	0.22	5.27	99.39	627	82	1.0	40	52	9	41	88	6	67	13
79467	383	393	62.54	0.91	12.78	6.51	0.11	2.55	3.29	2.09	0.84	0.23	6.94	98.80	168	77	0.5	20	39	6	29	69	4	55	14
79468	418	428	62.71	0.91	12.54	7.09	0.14	2.40	3.94	1.41	0.97	0.23	7.46	99.81	79	71	0.2	53	39	9	41	53	5	63	14
79469	513	523	63.29	1.06	13.52	7.55	0.16	2.65	3.99	0.62	0.61	0.27	7.27	101.00	116	139	0.3	<5	41	22	50	45	22	81	13
79470	594	604	62.40	1.02	13.08	7.26	0.13	2.72	4.97	0.47	0.29	0.26	8.01	100.61	76	98	0.3	<5	36	28	38	44	21	85	13
79471	667	673	63.17	0.97	12.40	6.02	0.15	2.78	5.13	0.85	1.13	0.25	8.94	101.80	128	105	0.3	<5	40	15	57	55	12	77	13
79472	719	727	63.11	0.92	11.91	8.04	0.14	2.85	3.93	0.55	0.71	0.18	6.58	98.91	251	191	0.3	11	44	22	56	57	35	84	13
79473	796	806	60.52	0.92	13.32	6.62	0.16	2.67	4.43	1.43	1.04	0.23	8.67	100.01	115	104	<0.1	<5	39	9	42	53	7	65	14
79474	843	853	59.79	1.00	12.90	7.64	0.20	3.02	4.38	0.91	0.81	0.22	8.07	98.94	212	111	0.2	<5	42	14	47	66	12	77	13
79475	898	908	63.52	0.98	12.73	9.13	0.19	3.42	2.64	0.96	0.85	0.26	6.51	101.19	296	221	0.2	12	54	13	47	57	23	78	13
79476	953	963	63.58	0.95	12.35	6.89	0.20	2.65	3.51	1.15	1.17	0.25	7.37	100.08	103	163	0.2	9	45	11	50	39	14	70	13
79477	1048	1058	59.62	0.99	13.05	6.84	0.20	2.81	4.18	1.01	1.25	0.25	8.69	98.88	86	138	0.2	6	44	13	55	38	14	74	13

HOLE NO.: 303-11
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DIAMOND DRILL LOG

PROJECT: COURAGEOUS  
 PROVINCE:  
 N.T.S.: 32 C/3  
 TOWNSHIP: Louvicourt  
 RANGE: VI  
 LOT No.: 49  
 CLAIM No.: 353115-2

COLLAR LOCATION

LOCAL GRID: 12+00N  
 16+00W  
 SURVEYED GRID:

Date started: June 11, 1990  
 Date completed: June 14, 1990  
 Core size: 89  
 Drilled by: Forage Alexandre  
 Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -50.0  
 Collar azimuth: 180.0  
 Collar elevation: 10000.0 feet  
 Total length: 1018.0 feet

Sample Numbers: 79830-79896; 83001-83021

TESTS:

| Depth | Azimuth | Dip   | Depth  | Azimuth | Dip   |
|-------|---------|-------|--------|---------|-------|
| 180.0 |         | -50.0 | 550.0  |         | -45.0 |
| 200.0 |         | -50.0 | 600.0  |         | -46.0 |
| 250.0 |         | -49.0 | 700.0  |         | -46.0 |
| 300.0 |         | -49.0 | 750.0  |         | -45.0 |
| 350.0 |         | -48.0 | 800.0  |         | -45.0 |
| 400.0 |         | -48.0 | 900.0  |         | -45.0 |
| 450.0 |         | -47.0 | 950.0  |         | -45.0 |
| 500.0 |         | -47.0 | 1000.0 |         | -45.0 |

FOOTAGE  
 From To

DESCRIPTION

.0 170.0 OVERBURDEN  
 Casing left in the hole.

170.0 273.0 ALTERED MINERALIZED ZONE  
 DIORITE.

Fine to medium grained, massive, dark greenish grey, mineralized and altered typical mafic diorite (20). Containing locally bluish quartz phenocrysts up to 10%. All sequence weakly or intensely mineralized with disseminated or mm.ric to cm.ric massive sulphide veinlets. Locally bleached zone, due to silicification. Local mm.ric euhedral pyrite concentration. And rare narrow, late milky quartz veins. Also local chloritic alteration.

79943 178 188 and 79944 258 265 WRA, mineralized dioritic rock.

170.0 176.0 Bleached zone by silicification, beige to medium grey, with disseminated or stringer sulphide 5 to 7%, especially euhedral mm.ric pyrite. A lamination defined by sulphide veinlets: 60 deg/ca.

176.0 197.5 Disseminated sulphide, less abundant (2 to 3%), especially pyrite, some place in the spaced veinlets, defining a lamination: 65-70 deg/ca. Sequence seems to be highly chloritized and some silicification.

197.5 202.0 Sulphide rich zone, containing 10 to 15 % massive pyrite rich cm.ric veinlets. Ending with narrow late milky quartz veins: 60-70 deg/ca, eg at 201.5' over 3 and 11 cm.

HOLE NO.: 303-11

FOOTAGE  
From To

DESCRIPTION

- 202.0 221.0 Weakly chloritized zone with always disseminated sulphide, 2 to 3% and local euhedral magnesian pyrite veinlets and sequence containing bluish quartz phenoblasts up to 10%. Slightly broken core 5 to 10%, fracture surfaces filled by soapy clay like mineral or talc.
- 221.5 Intermediate volcanic: xenolith, as below, over 13 cm. Sharp contact: 50 deg/ca.
- 222.0 247.5 Weakly bleached and slightly silicified with disseminated 2 to 3% sulphide with rare quartz-carbonate veinlets.
- 247.5 248.5 Milky quartz vein material with carbonate and chlorite and 3 to 4 % sulphide.
- 248.5 251.0 Intermediate volcanic, chloritized and sharp contact: 50 deg/ca. A lamination defined by ferromagnesian: 50 deg/ca.
- 251.0 258.0 Intensely altered by silicification, containing disseminated sulphide, locally associated quartz carbonate veinlets. Sulphide: 3 to 4% especially pyrite and rare chalcopyrite.
- 258.0 265.0 Weak disseminated sulphide 1 to 2% with local bluish quartz.
- 265.0 273.0 Again, a mineralized zone with 2 to 3% sulphide.

273.0 348.0 INTERMEDIATE VOLCANICS

An altered and silicified zone. It also looks like the aluminosilicate zone but any known aluminosilicate minerals were macroscopically identified. Very complex intermediate volcanic sequence, feldspar porphyry dyke with feldspar phenocrysts (50 %) within a chloritic matrix, with sharp contact and chilled margin, alternating with highly silicified intermediate to felsic rock and locally intensely bleached and containing disseminated sulphide. Locally highly broken core, eg at 304' over 2'. Weak lamination: 60 deg/ca.

273.0 275.0 Felsic rock, intensely altered, fine grained, beige to light grey, laminated.

276.0 277.5 Feldspar porphyry dyke composed of feldspar phenocrysts within a dark green chloritic matrix with sharp contact: 55 deg/ca. This andesitic feldspar porphyry dyke alternating other beige to light grey felsic rock, eg at 287' over 1', 289' over 3', 292' over 1/2', and 298' over 1.5'.

Beige felsic and intensely altered rock, fine grained, laminated: 60 deg/ca. Also highly sericitized. Containing local disseminated sulphide <1%.

300.0 348.0 ALTERED AND SILICIFIED ZONE Fine grained, medium to light grey, massive, local disseminated sulphide, eg at 306' over 2' and 317' over 1'. Intensely altered by silicification and local sericite development, locally well lamination: 55 deg/ca. And local carbonate rich vein material, eg at 301' over 1'. At 320' over 2', spotted light brown mineral, may be sericite, about 5% by volume.

79945 326 333 WRA, intensely altered felsic rock.

335.0 A fault zone, rock is intensely broken with some disseminated sulphide. Soapy clay like soapy mineral.

336.5 348.0 An intermediate volcanic dyke with chloritic matrix, laminated: 60 deg/ca. 79946 337 344 WRA.

348.0 456.0 INTERMEDIATE VOLCANICS DIORITE

ALTERED AND SILICIFIED ZONE.

Intensely altered zone, characterized by silicification and sericite development, similar as above altered and mineralized zone. Alteration: heterogeneous, varying to light grey to medium grey zone, depending to silicification and sericitization or carbonatization intensity. Containing disseminated sulphide, locally up to 5%, rare narrow quartz vein and carbonate rich tensional veinlets, eg at 427' over 4'. Difficult to determine the protholith, but to the end of this altered sequence gradual passage to the fresh intermediate intrusive containing bluish opalescent quartz eyes. All of this altered sequence may be the intermediate intrusive. Very weak

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mineralization in this zone. Some sulphide rich zones, eg 381' over 2' (2 to 5%), and easily broken zone, and fracture plan: 60 deg/ca.

79947 368 376 WRA, highly altered and silicified zone.

405.0 456.0 Looks like an altered intermediate intrusive rock (as below), containing locally bluish quartz eyes.

405.0 408.0 Very fine grained disseminated sulphide 5 to 6 % within highly silicified rock.

405.0 456.0 Looks like an altered below intermediate intrusive rock containing locally bluish quartz eyes.

427.0 433.0 A zone rich carbonate-quartz veinlets filling tensional fractures in the light grey silicified rock.

79948 435 442 WRA, intermediate intrusive containing bluish quartz eyes.

443.0 447.0 Vuggy structure, due to dissolution of carbonate rich material.

456.0 583.0 DIORITE

Intermediate intrusive. Quartz diorite with bluish opalescent phenocrysts, locally 1 cm diameter, eg at 458'. fine to medium grained, massive, medium grey, composed of feldspar with chloritic groundmass, looks like a little softer.

456.0 578.0 Fine grained, chloritic groundmass, with bluish quartz (phenocrysts or phenoblasts) diorite. Local weakly mineralized quartz vein and a chalcopyrite veinlets rich zone, also some disseminated sulphide sporadically distributed in especially silicified zone.

458.0 Ca.ric bluish quartz phenocrysts within chloritic and feldspathic groundmass.

458.0 478.0 Weakly altered zone, bleached, containing a little disseminated sulphide (1% to 2%.

478.5 Quartz vein over 15 cm with a little carbonate and chalcopyrite in vein fractures 1%, and sharp contact: 50 deg/ca, host dioritic rock, bleached and schistose over 1.5'.

477.0 484.0 Deformed and weakly schistose zone, broken core, altered with some disseminated sulphide, fracture: 60 deg/ca.

488.0 498.0 Disseminated and sulphide veinlets with quartz-carbonate vein materials (ca.ric to ca.ric): 50 deg/ca. Sulphide 2 to 3%, pyrite and chalcopyrite, pyrite >> chalcopyrite.

488.2 A shear zone over 5 cm, may be a fault zone, filled by carbonate rich material with sulphide and a black schistose mineral: tourmaline or chlorite.

506.5 A chalcopyrite rich zone over 20 cm, forming ca.ric veinlets with quartz carbonate rich material: 50 deg/ca. Both sides, some pyrite rich disseminated sulphide and ca.ric veinlets (1 to 3%. Also local narrow chalcopyrite rich carbonate vein, eg at 515' over 4 cm.

79949 518 527 WRA, quartz diorite with chloritic groundmass.

537.0 Carbonate quartz vein material, parallel to the ca with disseminated sulphide at the contact.

540.0 543.0 A silicified and chloritized zone with disseminated sulphide. locally up to 4%. And some local brecciation.

546.0 Little quartz carbonate vein over 5 cm with disseminated sulphide (pyrite) at the contact: 65 deg/ca.

550.0 568.0 Same quartz diorite, containing locally disseminated sulphide especially pyrite and rare chalcopyrite or forming ca. to ca.ric veinlets, eg at 565' over 1 cm: 55 deg/ca. Also local carbonate rich vein material.

79950 573 581 WRA, quartz diorite, locally silicified and weak disseminated sulphide.

583.0 653.0 DISSEMINATED SULPHIDE ZONE  
 DIORITE.

Same quartz diorite, intensely silicified and local significant mineralization with disseminated

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sulphide, and more bluish quartz phenocrysts.

597.0 Euhedral mm.ric pyrite veinlets: 45-50 deg/ca, in silicified zone, some places, silicification very intense with light grey coloration and where, more sulphide, especially pyrite and rare chalcopyrite, eg at 602' and 617'.

620.5 623.0 A mineralized zone, with mineralized breccia and quartz carbonate vein with visible alteration by chloritization containing disseminated sulphide, pyrite and rare chalcopyrite.

79951 631 639 WRA, silicified with disseminated sulphide (1%) quartz diorite with bluish quartz.

630.0 Carbonate rich vein material over 1': 20-40 deg/ca.

639.0 648.0 Intensely silicified zone, becoming a quiet quartz vein, light grey, containing fine grained disseminated sulphide, pyrite and little chalcopyrite, also some sulphide veinlets, and local milky quartz vein, and disseminated green chlorite in the mineralized matrix.

653.0 707.0 DIORITE

Same quartz diorite as above, fine to medium grained and bluish quartz, always local silicification and disseminated sulphide, eg at 666', and also quartz carbonate vein, eg at 687' over 15 cm: 20 deg/ca (contact).

79952 688 698 WRA, quartz diorite with bluish quartz and a little disseminated pyrite.

702.0 A narrow shear zone over 2' with carbonate quartz vein material and intense schistosity: 70-80 deg/ca.

707.0 727.0 DYKE

Mylonitic SHEAR zone.

Intensely deformed (protonylonitic) bands of carbonate rich vein material alternating with chlorite rich material (mm.ric to cm.ric), local narrow quartz carbonate veins, intense schistosity: 70-75 deg/ca. And few disseminated pyrite <1%. Also sericite on the fracture surface.

727.0 1018.0 DIORITE

Same quartz diorite with bluish quartz eyes, fine to medium grained, massive, dark grey. To the end of hole, some coarse grained quartz diorite is intersected. Local sulphide concentration with highly silicified zone, eg at 752' to 755, silicified and light grey with a little disseminated sulphide, and at 767 and 773', pyrite and chalcopyrite rich zone in highly brecciated and silicified quartz diorite, forming mm.ric sulphide veinlets up to 10 to 15% sulphide over 25 and 13 cm, veinlets: 60-70 deg/ca.

79953 773 783 WRA, quartz diorite.

748.0 Over 20 cm, local chlorite rich schistose zone with carbonate and quartz vein material and disseminated sulphide.

787.0 A narrow quartz vein with carbonate, contact: 50 deg/ca.

813.0 Parallel to ca, quartz carbonate vein material over 2' with little visible alteration and disseminated sulphide at the edge.

819.0 A narrow quartz vein: 70 deg/ca, no associated visible alteration and sulphide.

79954 828 838 WRA, quartz diorite, becomes coarse grained.

848.0 Euhedral mm.ric disseminated pyrite crystals over 15 cm (5%), looks like sterile pyrite.

887.0 952.0 Fine grained quartz diorite. Locally intense silicification, and some chloritization with breccia and finely disseminated sulphide, very local narrow quartz carbonate veins 2 to 10 cm.

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| FOOTAGE |         | DESCRIPTION                                                                                                                                                                                                                                                                                                   |
|---------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From    | To      |                                                                                                                                                                                                                                                                                                               |
| 79955   | 923 933 | WRA, fine grained, silicified quartz diorite with bluish quartz eyes.                                                                                                                                                                                                                                         |
| 952.0   | 1018.0  | Medium to coarse grained quartz diorite alternating with fine grained and chloritic quartz diorite. Coarse grained may be a tonalite, because rich in quartz in the groundmass and local notable facies change, and in some place, granophyre like texture. Chlorite rich zone containing bluish quartz eyes. |
| 79956   | 958 967 | WRA, quartz diorite, medium to coarse grained tonalite.                                                                                                                                                                                                                                                       |
| 990.5   |         | A sulphide rich zone over 22cm, fine grained pyrite up to 40% in an intensely silicified zone, sharp contact and a lamination: 60 and 70 deg/ca respectively.                                                                                                                                                 |
| 998.0   |         | Weakly silicified and altered zone with carbonate rich veinlets over 3 feet and local rare disseminated or stringer sulphide.                                                                                                                                                                                 |
| 1018.0  |         | END OF HOLE                                                                                                                                                                                                                                                                                                   |

AUR RESOURCES INC.  
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 ASSAY SAMPLE REPORT

HOLE NO.: AR303-11  
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 NORTHING: 12+00N  
 EASTING: 16+00W  
 ELEVATION: 10000.00

AZIMUTH: 180  
 DIP: -50

| FOOTAGE |       | DESCRIPTION                                                                                                        | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AS PPM | AU PPM |
|---------|-------|--------------------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|
| From    | To    |                                                                                                                    |               |           |         |             |        |        |        |        |
| .0      | 170.0 | OVERBURDEN                                                                                                         |               |           |         |             |        |        |        |        |
| 170.0   | 273.0 | ALTERED MINERALIZED ZONE                                                                                           |               |           |         |             |        |        |        |        |
| 170.0   | 173.0 | Disseminated and veinlets sulphide 3 to 4%, within weakly silicified and bleached zone.                            | 79830         | 170.0     | 173.0   | 3.0         | 59     | 20     | .4     | 10     |
| 173.0   | 176.0 | As above, with some quartz-carbonate vein.                                                                         | 79831         | 173.0     | 176.0   | 3.0         | 52     | 19     | 1.0    | 15     |
| 176.0   | 180.0 | Disseminated sulphide 1 to 2% within weakly chloritized matrix.                                                    | 79832         | 176.0     | 180.0   | 4.0         | 57     | 27     | .6     | 10     |
| 180.0   | 184.0 | As above, and two narrow quartz-carbonate veins                                                                    | 79833         | 180.0     | 184.0   | 4.0         | 398    | 45     | .2     | <5     |
| 184.0   | 188.0 | Disseminated and rare sulphide veinlets 2 to 2% sulphide, pyrite >> chalcopyrite.                                  | 79834         | 184.0     | 188.0   | 4.0         | 107    | 56     | .2     | <5     |
| 188.0   | 193.0 | As above.                                                                                                          | 79835         | 188.0     | 193.0   | 5.0         | 110    | 35     | <.2    | 10     |
| 193.0   | 197.5 | As above.                                                                                                          | 79836         | 193.0     | 197.5   | 4.5         | 159    | 29     | <.2    | 5      |
| 197.5   | 200.5 | Main sulphide zone with m.ric to cm.ric pyrite rich sulphide veins, with 10 to 15% sulphide.                       | 79837         | 197.5     | 200.5   | 3.0         | 2695   | 65     | 1.8    | 35     |
| 200.5   | 202.0 | As above, with also narrow quartz-carbonate veins.                                                                 | 79838         | 200.5     | 202.0   | 1.5         | 728    | 40     | 2.4    | 544    |
| 202.0   | 206.0 | Disseminated euhedral sulphide, especially pyrite 2 to 3%.                                                         | 79839         | 202.0     | 206.0   | 4.0         | 50     | 46     | .4     | <5     |
| 206.0   | 209.0 | As above.                                                                                                          | 79840         | 206.0     | 209.0   | 3.0         | 50     | 21     | .2     | 5      |
| 209.0   | 212.0 | Weakly disseminated sulphide 1%.                                                                                   | 79841         | 209.0     | 212.0   | 3.0         | 306    | 26     | .4     | 15     |
| 212.0   | 217.0 | As above, and also chalcopyrite rich veinlet.                                                                      | 79842         | 212.0     | 217.0   | 5.0         | 1075   | 24     | .4     | 20     |
| 217.0   | 221.5 | As above, also local and rare sulphide rich veinlets with quartz : 2 to 3% sulphide.                               | 79843         | 217.0     | 221.5   | 4.5         | 399    | 30     | .4     | 5      |
| 222.0   | 226.0 | Disseminated sulphide 1% within chloritic matrix.                                                                  | 79844         | 222.0     | 226.0   | 4.0         | 181    | 27     | .4     | <5     |
| 226.0   | 229.5 | As above.                                                                                                          | 79845         | 226.0     | 229.5   | 3.5         | 242    | 25     | .2     | 50     |
| 229.5   | 233.0 | Silicified zone containing disseminated or stringer sulphide 2 to 3%, local euhedral m.ric pyrite up to 5%.        | 79846         | 229.5     | 233.0   | 3.5         | 45     | 16     | .2     | <5     |
| 233.0   | 237.0 | As above.                                                                                                          | 79847         | 233.0     | 237.0   | 4.0         | 65     | 18     | 1.0    | <5     |
| 237.0   | 241.0 | Disseminated pyrite and rare sulphide veinlets 1 to 2%.                                                            | 79848         | 237.0     | 241.0   | 4.0         | 76     | 25     | .5     | <5     |
| 241.0   | 245.0 | As above, with rare quartz-carbonate vein material.                                                                | 79849         | 241.0     | 245.0   | 4.0         | 147    | 26     | 1.0    | 5      |
| 245.0   | 247.5 | As above.                                                                                                          | 79850         | 245.0     | 247.5   | 2.5         | 30     | 30     | 1.1    | 15     |
| 247.5   | 248.5 | Quartz-carbonate vein material over 25 cm with 3 to 4% euhedral m.ric pyrite.                                      | 79851         | 247.5     | 248.5   | 1.0         | 85     | 25     | .2     | 5      |
| 248.5   | 251.0 | Disseminated pyrite 1 to 2% in the intermediate volcanic.                                                          | 79852         | 248.5     | 251.0   | 2.5         | 131    | 48     | 1.1    | <5     |
| 251.0   | 255.0 | Mainly silicified zone, containing disseminated and stringer sulphide 5 to 7% and local quartz-carbonate veinlets. | 79853         | 251.0     | 255.0   | 4.0         | 95     | 23     | <.2    | 10     |
| 255.0   | 260.0 | As above.                                                                                                          | 79854         | 255.0     | 260.0   | 5.0         | 110    | 24     | .6     | <5     |
| 260.0   | 265.0 | Disseminated sulphide 1 to 2%.                                                                                     | 79855         | 260.0     | 265.0   | 5.0         | 102    | 25     | 1.1    | 15     |
| 265.0   | 268.0 | Again a sulphide rich zone with quartz-carbonate veinlets or late vein.                                            | 79856         | 265.0     | 268.0   | 3.0         | 49     | 66     | .7     | <5     |
| 268.0   | 270.0 | Disseminated sulphide 1% with rare stringer                                                                        | 79857         | 268.0     | 270.0   | 2.0         | 271    | 44     | <.2    | 30     |

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ASSAY SAMPLE REPORT

| FOOTAGE |       | DESCRIPTION                                                                                              | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |
|---------|-------|----------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|
| From    | To    |                                                                                                          |               |           |         |             |        |        |        |        |
|         |       | sulphide, pyrite.                                                                                        |               |           |         |             |        |        |        |        |
| 270.0   | 273.0 | Highly silicified zone with 3 to 4% sulphide, locally forming cement of fragments.                       | 79858         | 270.0     | 273.0   | 3.0         | 110    | 12     | <.2    | 10     |
| 273.0   | 348.0 | INTERMEDIATE VOLCANICS                                                                                   |               |           |         |             |        |        |        |        |
| 294.5   | 298.0 | Silicified zone with disseminated sulphide <1%.                                                          | 79859         | 294.5     | 298.0   | 3.5         | 25     | 28     | <.2    | <5     |
| 306.0   | 309.0 | Silicified zone with disseminated sulphide 3 to 4% and also carbonate rich veinlets.                     | 79860         | 306.0     | 309.0   | 3.0         | 35     | 30     | <.2    | <5     |
| 315.0   | 318.0 | Disseminated sulphide 1 to 2% within silicified zone.                                                    | 79861         | 315.0     | 318.0   | 3.0         | 39     | 28     | <.2    | <5     |
| 333.0   | 336.5 | A fault zone with broken core and disseminated sulphide 1%.                                              | 79862         | 333.0     | 336.5   | 3.5         | 133    | 37     | <.2    | <5     |
| 348.0   | 456.0 | INTERMEDIATE VOLCANICS DIORITE                                                                           |               |           |         |             |        |        |        |        |
| 353.0   | 358.0 | Silicified zone with sericite, no visible sulphide.                                                      | 79863         | 353.0     | 358.0   | 5.0         | 18     | 17     | <.2    | <5     |
| 381.0   | 384.0 | Disseminated sulphide locally rich up to 5% over 10 cm.                                                  | 79864         | 381.0     | 384.0   | 3.0         | 21     | 20     | <.2    | <5     |
| 384.0   | 388.0 | Contact of sulphide rich zone, silicified and disseminated sulphide 1%.                                  | 79865         | 384.0     | 388.0   | 4.0         | 20     | 27     | .4     | <5     |
| 396.0   | 399.5 | Similar altered zone with disseminated and rare stringer sulphide.                                       | 79866         | 396.0     | 399.5   | 3.5         | 87     | 15     | <.2    | <5     |
| 399.5   | 403.0 | Disseminated sulphide rich zone 2 to 3%. also bluish quartz eyes.                                        | 79867         | 399.5     | 403.0   | 3.5         | 32     | 150    | .5     | 5      |
| 405.0   | 408.0 | Fine grained disseminated sulphide 3 to 4% and narrow quartz vein with little sulphide.                  | 79868         | 405.0     | 408.0   | 3.0         | 72     | 46     | <.2    | 65     |
| 408.0   | 411.0 | Disseminated and stringer sulphide, euhedral pyrite, 1 to 2%.                                            | 79869         | 408.0     | 411.0   | 3.0         | 33     | 19     | <.2    | <5     |
| 411.0   | 416.0 | Rare disseminated sulphide and only a zone over 2cm rich in sulphide.                                    | 79870         | 411.0     | 416.0   | 5.0         | 29     | 21     | <.2    | 15     |
| 419.0   | 424.0 | Disseminated sulphide 1%, pyrite.                                                                        | 79871         | 419.0     | 424.0   | 5.0         | 256    | 20     | <.2    | <5     |
| 428.0   | 433.0 | Carbonate and quartz rich vein material and a little disseminated sulphide.                              | 79872         | 428.0     | 433.0   | 5.0         | 19     | 11     | <.2    | <5     |
| 442.0   | 446.0 | Disseminated and stringer sulphide, <1% and vuggy texture, also bluish quartz eyes.                      | 79873         | 442.0     | 446.0   | 4.0         | 42     | 37     | <.2    | <5     |
| 448.0   | 452.5 | Same alteration with a little disseminated sulphide.                                                     | 79874         | 448.0     | 452.5   | 4.5         | 40     | 40     | <.2    | <5     |
| 456.0   | 583.0 | DIORITE                                                                                                  |               |           |         |             |        |        |        |        |
| 458.0   | 462.0 | Disseminated sulphide within silicified zone <1%.                                                        | 79875         | 458.0     | 462.0   | 4.0         | 41     | 45     | <.2    | <5     |
| 465.5   | 470.5 | As above.                                                                                                | 79876         | 465.5     | 470.5   | 5.0         | 41     | 59     | .2     | <5     |
| 472.0   | 475.5 | As above, also some sulphide veinlets with carbonate and quartz.                                         | 79877         | 472.0     | 475.5   | 3.5         | 34     | 16     | .2     | <5     |
| 475.5   | 478.0 | Disseminated sulphide 1%.                                                                                | 79878         | 475.5     | 478.0   | 2.5         | 23     | 28     | .7     | <5     |
| 478.0   | 480.5 | Quartz vein with chalcopryrite 1% within a shear zone, containing disseminated sulphide 1 to 2%.         | 79879         | 478.0     | 480.5   | 2.5         | 259    | 39     | <.2    | <5     |
| 480.5   | 485.0 | Mineralized shear zone with 1 to 2% sulphide.                                                            | 79880         | 480.5     | 485.0   | 4.5         | 112    | 31     | <.2    | 90     |
| 485.0   | 488.0 | Disseminated sulphide 1 to 2%, rare chalcopryrite.                                                       | 79881         | 485.0     | 488.0   | 3.0         | 80     | 46     | .2     | 10     |
| 488.0   | 493.0 | Disseminated and stringer sulphide zone 2 to 3% with local shear filled by carbonate rich vein material. | 79882         | 488.0     | 493.0   | 5.0         | 148    | 50     | <.2    | 20     |
| 503.0   | 506.0 | Contact of chalcopryrite rich zone with                                                                  | 79883         | 503.0     | 506.0   | 3.0         | 175    | 20     | 1.0    | 5      |



| FOOTAGE |        | DESCRIPTION                                                                                                                                                                      | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |  |
|---------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|--|
| From    | To     |                                                                                                                                                                                  |               |           |         |             |        |        |        |        |  |
|         |        | disseminated sulphide 1 to 2%.                                                                                                                                                   |               |           |         |             |        |        |        |        |  |
| 506.0   | 508.5  | Chalcopyrite rich zone, forming mm.ric veinlets with quartz carbonate vein material over 20 cm.                                                                                  | 79884         | 506.0     | 508.5   | 2.5         | 7900   | 41     | 3.0    | 35     |  |
| 508.5   | 513.5  | Disseminated and stringer sulphide with chloritic alteration, rare chalcopyrite.                                                                                                 | 79885         | 508.5     | 513.5   | 5.0         | 1195   | 19     | 1.3    | 10     |  |
| 513.5   | 516.0  | As above, also narrow chalcopyrite rich quartz-carbonate vein over 5 cm.                                                                                                         | 79886         | 513.5     | 516.0   | 2.5         | 5850   | 20     | 3.6    | 90     |  |
| 536.5   | 539.0  | Quartz-carbonate vein material, // to ca and disseminated sulphide 1 to 2%.                                                                                                      | 79887         | 536.5     | 539.0   | 2.5         | 52     | 22     | <.2    | <5     |  |
| 539.0   | 543.0  | Silicified zone with disseminated sulphide 2 to 3%.                                                                                                                              | 79888         | 539.0     | 543.0   | 4.0         | 40     | 20     | <.2    | <5     |  |
| 545.0   | 548.0  | Little quartz-carbonate vein with disseminated sulphide 1 to 2% at the contact.                                                                                                  | 79889         | 545.0     | 548.0   | 3.0         | 61     | 23     | <.2    | 5      |  |
| 553.0   | 556.0  | Disseminated sulphide, with euhedral mm.ric pyrite 1 to 2%.                                                                                                                      | 79890         | 553.0     | 556.0   | 3.0         | 58     | 29     | <.2    | <5     |  |
| 564.5   | 568.0  | Rare sulphide veinlets and disseminated pyrite 1%.                                                                                                                               | 79891         | 564.5     | 568.0   | 3.5         | 1030   | 25     | .6     | <5     |  |
| 583.0   | 653.0  | DISSEMINATED SULPHIDE ZONE                                                                                                                                                       |               |           |         |             |        |        |        |        |  |
| 583.0   | 588.0  | Silicified zone with with rare sulphide <1%.                                                                                                                                     | 79892         | 583.0     | 588.0   | 5.0         | 49     | 12     | <.2    | <5     |  |
| 594.0   | 598.0  | Silicified and chloritized zone with disseminated euhedral pyrite 1 to 2%.                                                                                                       | 79893         | 594.0     | 598.0   | 4.0         | 161    | 42     | .2     | <5     |  |
| 598.0   | 603.0  | Sulphide rich veinlets and disseminated pyrite in silicified zone with bluish quartz 20%.                                                                                        | 79894         | 598.0     | 603.0   | 5.0         | 65     | 40     | .2     | <5     |  |
| 603.0   | 607.0  | As above, a quartz carbonate vein material zone over 1'.                                                                                                                         | 79895         | 603.0     | 607.0   | 4.0         | 90     | 28     | .2     | <5     |  |
| 616.0   | 620.5  | Disseminated sulphide in highly silicified zone, with local stringer.                                                                                                            | 83001         | 616.0     | 620.5   | 4.5         | 442    | 65     | .9     | <5     |  |
| 620.5   | 622.5  | Brecciated zone at the contact of quartz-carbonate vein material and visible alteration characterized by chloritization and disseminated pyrite with rare chalcopyrite, 3 to 4%. | 83002         | 620.5     | 622.5   | 2.0         | 842    | 281    | .8     | 65     |  |
| 622.5   | 628.0  | Disseminated sulphide in silicified zone, 1% pyrite.                                                                                                                             | 83003         | 622.5     | 628.0   | 5.5         | 40     | 36     | .2     | <5     |  |
| 639.0   | 642.0  | Highly silicified zone with quartz vein and green chlorite with disseminated and stringer sulphide, pyrite and chalcopyrite 2 to 3%.                                             | 83004         | 639.0     | 642.0   | 3.0         | 2900   | 240    | .8     | 10     |  |
| 642.0   | 645.0  | As above, with a quartz vein containing carbonate and visible alteration at the edge.                                                                                            | 83005         | 642.0     | 645.0   | 3.0         | 50     | 5      | <.2    | <5     |  |
| 645.0   | 648.0  | Same silicified zone with disseminated sulphide 3 to 4%.                                                                                                                         | 83006         | 645.0     | 648.0   | 3.0         | 58     | 12     | .2     | <5     |  |
| 648.0   | 653.0  | As above, less sulphide and less silicification                                                                                                                                  | 83007         | 648.0     | 653.0   | 5.0         | 53     | 27     | .2     | <5     |  |
| 653.0   | 707.0  | DIORITE                                                                                                                                                                          |               |           |         |             |        |        |        |        |  |
| 707.0   | 727.0  | DYKE                                                                                                                                                                             |               |           |         |             |        |        |        |        |  |
| 708.0   | 712.0  | Carbonate and chlorite rich shear zone with local narrow quartz-carbonate vein and rare disseminated sulphide <1%.                                                               | 83008         | 708.0     | 712.0   | 4.0         | 56     | 81     | .2     | 10     |  |
| 722.0   | 725.0  | As above, with little more sulphide 1%.                                                                                                                                          | 83009         | 722.0     | 725.0   | 3.0         | 45     | 44     | <.2    | <5     |  |
| 727.0   | 1018.0 | DIORITE                                                                                                                                                                          |               |           |         |             |        |        |        |        |  |



HOLE # : 303-11

| SAMPLE | FROM<br>ft | TO<br>ft | SiO2<br>% | TiO2<br>% | Al2O3<br>% | FeO7<br>% | MnO<br>% | MgO<br>% | CaO<br>% | Na2O<br>% | K2O<br>% | P2O5<br>% | LOI<br>% | Total<br>% | Cu<br>ppm | Zn<br>ppm | Ag<br>ppm | Au<br>ppb | HAI | SR | AI | MR | VI | PI | Al/Ti |
|--------|------------|----------|-----------|-----------|------------|-----------|----------|----------|----------|-----------|----------|-----------|----------|------------|-----------|-----------|-----------|-----------|-----|----|----|----|----|----|-------|
| 79943  | 178        | 188      | 58.98     | 0.64      | 16.23      | 8.16      | 0.04     | 5.56     | 0.18     | 0.52      | 2.30     | 0.04      | 6.01     | 98.66      | 51        | 86        | 0.5       | 15        | 92  | 31 | 82 | 37 | 17 | 91 | 25    |
| 79944  | 258        | 265      | 66.64     | 0.60      | 13.59      | 4.98      | 0.02     | 5.32     | 0.20     | 0.34      | 1.98     | <0.03     | 4.58     | 98.24      | 120       | 115       | 0.5       | 36        | 93  | 40 | 85 | 52 | 33 | 94 | 23    |
| 79945  | 326        | 333      | 57.49     | 0.49      | 16.94      | 2.97      | 0.07     | 3.29     | 3.97     | 1.50      | 2.49     | 0.05      | 8.74     | 98.01      | 25        | 55        | 0.1       | 7         | 51  | 11 | 62 | 31 | 4  | 69 | 35    |
| 79946  | 337        | 344      | 45.61     | 0.58      | 11.33      | 7.82      | 0.16     | 6.46     | 8.64     | 0.89      | 1.20     | 0.26      | 15.82    | 98.77      | 69        | 115       | <0.1      | <5        | 45  | 13 | 57 | 38 | 13 | 88 | 20    |
| 79947  | 368        | 376      | 60.27     | 0.46      | 16.25      | 2.61      | 0.08     | 4.72     | 3.07     | 0.94      | 2.70     | 0.08      | 8.07     | 99.25      | 27        | 65        | <0.1      | <5        | 65  | 17 | 74 | 29 | 7  | 83 | 35    |
| 79948  | 435        | 442      | 63.85     | 0.50      | 16.45      | 3.59      | 0.04     | 5.20     | 1.44     | 2.47      | 1.72     | <0.03     | 5.04     | 100.32     | 59        | 84        | <0.1      | <5        | 64  | 7  | 41 | 41 | 3  | 68 | 33    |
| 79949  | 518        | 527      | 60.59     | 0.55      | 15.82      | 3.66      | 0.08     | 5.72     | 2.04     | 0.81      | 2.12     | 0.03      | 7.04     | 98.46      | 7         | 63        | <0.1      | <5        | 73  | 20 | 72 | 10 | 8  | 88 | 29    |
| 79950  | 573        | 581      | 69.18     | 0.53      | 12.36      | 3.35      | 0.06     | 4.07     | 1.52     | 1.80      | 0.96     | <0.03     | 4.78     | 98.61      | 8         | 45        | <0.1      | <5        | 60  | 7  | 35 | 15 | 3  | 69 | 23    |
| 79951  | 631        | 639      | 60.00     | 0.52      | 16.81      | 7.89      | 0.03     | 5.73     | 0.23     | 0.89      | 1.86     | <0.03     | 5.74     | 99.72      | 520       | 97        | 0.5       | 17        | 87  | 19 | 68 | 84 | !! | 87 | 32    |
| 79952  | 688        | 698      | 63.38     | 0.44      | 13.87      | 5.36      | 0.08     | 4.32     | 2.12     | 0.86      | 1.61     | <0.03     | 6.02     | 98.07      | 38        | 69        | 0.1       | 13        | 67  | 16 | 65 | 36 | 8  | 83 | 32    |
| 79953  | 773        | 783      | 60.88     | 0.46      | 14.61      | 6.71      | 0.11     | 4.44     | 2.00     | 0.84      | 1.78     | <0.03     | 6.71     | 98.54      | 79        | 190       | 0.2       | <5        | 69  | 17 | 68 | 29 | 23 | 84 | 32    |
| 79954  | 828        | 838      | 63.89     | 0.44      | 14.14      | 5.41      | 0.11     | 4.71     | 1.60     | 0.75      | 1.52     | 0.05      | 5.55     | 98.18      | 16        | 138       | 0.2       | <5        | 73  | 19 | 67 | 10 | 18 | 86 | 32    |
| 79955  | 923        | 933      | 69.19     | 0.45      | 13.75      | 4.98      | 0.08     | 4.12     | 1.20     | 0.77      | 1.60     | 0.05      | 4.24     | 100.43     | 95        | 195       | 0.3       | <5        | 74  | 18 | 68 | 33 | 25 | 84 | 31    |
| 79956  | 958        | 967      | 57.51     | 0.48      | 16.10      | 6.09      | 0.10     | 5.25     | 2.63     | 1.88      | 1.40     | 0.07      | 6.94     | 98.46      | 76        | 117       | <0.1      | <5        | 60  | 9  | 43 | 39 | 6  | 74 | 34    |

HOLE NO.: 303-12  
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DIAMOND DRILL LOG

PROJECT: COURAGEOUS
 PROVINCE:
 N.T.S.: 32 C/3
 TOWNSHIP: Louvicourt
 RANGE: VI
 LOT No.: 50
 CLAIM No.: 353115-3

COLLAR LOCATION

LOCAL GRID: 11+00N
 6+00W
 SURVEYED GRID:

Date started: June 14, 1990
 Date completed: June 19, 1990
 Core size: BQ
 Drilled by: Forage Alexandre
 Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -50.0
 Collar azimuth: 180.0
 Collar elevation: 10000.0 feet
 Total length: 1188.0 feet

Sample Numbers: 83022-83100

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
128.0		-50.0	700.0		-45.0
150.0		-50.0	750.0		-44.0
200.0		-49.0	800.0		-44.0
300.0		-49.0	850.0		-44.0
350.0		-48.0	900.0		-43.0
400.0		-47.0	1000.0		-43.0
500.0		-47.0	1100.0		-43.0
550.0		-46.0	1150.0		-43.0
600.0		-45.0	1188.0		-42.0
650.0		-45.0			

FOOTAGE
 From To

DESCRIPTION

.0 126.0 OVERBURDEN
 Casing left in the hole.

126.0 217.0 INTERMEDIATE VOLCANICS

Fine grained, massive, often broken, dark grey, and intensely deformed intermediate volcanic. Intense chloritization gives a softer appearance to the sequence broken core (10 to 20%) but good recuperation. Massive flow and/or finely laminated, alternating tuffaceous sequence. Crosscut by local narrow milky, sterile quartz veins and several ground water channel way alteration, characterized by highly oxidized zone.

126.0 142.0 Highly chloritized, fine to medium grained massive flow, and local intensely broken core. Weak schistosity or lamination defined by deformed vesicles like structure, filled by quartz: 60 deg/ca. Local rare malachite occurrence at 137' and also carbonate rich vein material. A narrow quartz carbonate vein at 129' over 10 cm.

79957 128 138 WRA, intermediate highly chloritized volcanic.

142.0 166.0 Less chloritization, more massive, lamination: 55-60 deg/ca. Local disseminated pyrite and rare specks of chalcopyrite. Also many quartz carbonate vein material, eq at 160' over 1'.

HOLE NO.: 303-12

FOOTAGE		DESCRIPTION
From	To	
166.0		Ground water channel way oxidized zone at the contact of milky quartz vein (over 1').
175.0		A late fault zone with clay mineral. Broken surface and lamination at 177': 65-70 deg/ca>.
183.0	198.0	Quartz filled deformed vassicles: 60 deg/ca. And local bleached zone at 192' over 2'.
198.0	217.0	Sequence is gradually altered becoming light grey material. Local carbonate rich vein material and local chloritization spots. And also disseminated and pyrite rich sulphide veinlets, defining a schistosity: 60 deg/ca. A carbonate rich vein with 4% sulphide over 2 cm at 214'.
217.0	307.0	ALTERED AND SILICIFIED ZONE Altered and silicified zone, may be also considered as aluminosilicate zone. Fine grained, massive, light grey, intensely silicified and sericitized, easily broken (5%), and local rare disseminated sulphide, especially pyrite. Locally light brown phyllosilicate mineral, similar to the aluminosilicate zone of the holes 303-2 and 3, develops, // to the schistosity: 60 deg/ca, eg at 268 to 279'. Local clay mineral filled tiny fault zone (soapy mineral), eg at 280' over 5 cm and 293' over 1cm. 79958 218 228 and 79959 258 268 WRA, altered and intensely silicified and sericitized zone. 256.0 Broken core. 267.0 Quartz-carbonate vein with light brown mineral: sericite or pyrophyllite?. 282.0 Over 1', spotted texture, chlorite rich material with disseminated sulphide. 282.0 307.0 This sequence gradually passes to unaltered intermediate volcanic.
307.0	355.0	INTERMEDIATE VOLCANICS Fine grained, massive, dark to medium grey intermediate volcanic flow, local intense alteration by chloritization and some carbonatization filling microfractures, becomes lighter in colour, eg at 348 to 355'. Sequence was cut by a feldspar porphyry andesitic dyke with sharp contact and chilled margin. 308.5 Chalcopyrite rich quartz and sulphide veinlets (1 to 2%) over 1'. 311.5 317.0 DYKE Feldspar porphyry dyke with feldspar phenocrysts within green chloritic matrix, sharp contac: 45 deg/ca, and chilled margins. Rare disseminated euhedral mm.ric pyrite <1%. 79960 336 343 WRA, chloritized intermediate volcanic flow. 354.0 A shear zone over 1', schistose rock and carbonate chlorite rich vein material. Schistosity: 55-60 deg/ca. And rare chalcopyrite specks.
355.0	466.0	DIORITE Fine to medium grained, massive, homogenous, medium grey, intensely silicified typical dioritic rock (20), containing some place disseminated sulphide (up to 3%), especially pyrite. Some carbonate alteration forming veinlets like structure, // to ca or crosscut, accompanying disseminated mineralization (weak). Very weak bleaching,. Locally bluish quartz phenocrysts. 370.0 Quartz-carbonate vein with visible alteration edge over 10 cm for 5 cm vein: 45 deg/ca. 370.0 376.0 Carbonate rich veinlets, // to the ca, with disseminated pyrite and rare chalcopyrite at the contact. 389.0 392.0 Intensely chloritized and carbonatized zone. 79961 398 405 WRA, Silicified diorite with disseminated sulphide 1 to <1%. 412.0 Tiny shear zone rich in carbonate and chlorite: 70 deg/ca. 79962 468 478 WRA, weakly altered (silicified) diorite (20).

FOOTAGE		DESCRIPTION
From	To	
	448.0 466.0	More disseminated sulphide (pyrite) 1 to 2%.
466.0	494.0	<p>DYKE ANDESITE.</p> <p>As same as feldspar porphyry or andesite porphyry dyke described above at 311.5 to 317', sharp contact: 40-45 deg/ca. Intensely chloritized, well laminated: 60 deg/ca. Many elongated quartz phenoclasts indicating protomylonitic texture. It could be a lamprophyre dyke, an originally mafic dyke.</p> <p>79963 468 478 WRA, andesite porphyry or lamprophyre dyke.</p>
494.0	535.5	<p>DIORITE</p> <p>Same medium grey and medium grained diorite as above, but it is more silicified and containing locally a little more sulphide. Locally cut by light grey to beige intensely silicified felsic dyke like material. Disseminated sulphide or spaced sulphide veinlets: 65-70 deg/ca. Some probable carbonatization and carbonate rich material. Local quartz phenocrysts (as to ca. ric, may be secondary in origine). Also dominant sericitic alteration, rock locally looks like little softer.</p> <p>79964 518 528 WRA, silicified diorite.</p> <p>515.0 518.0 Light colour, intensely silicified dyke like material with sharp contact: 70 deg/ca and disseminated pyrite 1 to 2%.</p>
535.5	591.5	<p>ALTERED MINERALIZED ZONE</p> <p>Intensely altered and mineralized with disseminated pyrite (up to 10%) same dioritic zone as described above also heavy sericitization and local carbonatization. Easily broken sequence, good recuperation except between 540 and 547'.</p> <p>540.0 547.0 Missing core.</p> <p>Since 548', sulphide quantity increase 1 to 10%, especially pyrite and rare chalcopyrite, disseminated or stringer or local concentration, eg at 575'. Also local carbonate rich veinlets and weak lamination or lineation defined by pyrite rich bands: 60 deg/ca.</p> <p>79965 549 553 and 79966 581 588 WRA, altered and mineralized diorite with 3 to 5% disseminated pyrite.</p>
591.5	625.0	<p>DYKE</p> <p>Andesite porphyry dykes ZONE (dyke swarm) within altered and mineralized above dioritic rock. Several narrow dykes cutting mineralized and altered diorite. Sharp contact: 45 to 55 deg/ca, and with chilled margins. Rare euhedral up to cm pyrite, and weak local lineation: 55-60 deg/ca. They are similar to the dyke as described above at 466'. At 591.5' over 2', 601' over 1', 604' over 1.5', 612' over 23 cm, 613.5' over 12 cm, and 618' over 7'.</p> <p>614.0 Milky quartz vein containing pink colour carbonate crystals and chloritic material over 3', and disseminated sulphide in the heavily silicified contact.</p>
625.0	718.0	<p>ALTERED MINERALIZED ZONE</p> <p>Fine grained, massive, intensely altered with disseminated mineralization and with heavily silicified and sericitized, alternating with again intensely altered dyke, containing sharp contact, similar to zone above where dykes are unaltered. Dyke like material containing green mica, indicating mafic in origine, and they alternate with very light colour felsic material: A</p>

FOOTAGE		DESCRIPTION
From	To	
		felsic volcanic sequence. Because of intense alteration by silicification and sericitization, difficult to say protholith of this sequence, but may be a typical dioritic sequence (2D).
79867	628 638 and 79968 688 696	WRA, altered and mineralized zone, felsic volcanic rock with altered mafic dykes.
673.0		Broken core, also at 678' over 1'.
718.0	1091.0	FELSIC VOLCANICS DIORITE Intensely altered and weakly mineralized zone. Heterogeneous sequence, consists of light colour heavily silicified and sericitized fine grained felsic volcanic material and of chlorite and quartz phenocrysts rich dyke like material with sharp contact, length varying 10 to 300 cm. Weak disseminated pyritic mineralization all over this sequence. Also sequence looks like fine to medium grained, heavily altered dioritic rock.
718.0		Chlorite rich quartz porphyry dyke over 20 cm with sharp contact: 60 deg/ca, with disseminated pyrite 2%.
722.0		Light colour fine grained, silicified and sericitized felsic volcanic with disseminated and stringer pyrite 1 to 3%.
728.0		A little shear zone with sericite carbonate and sulphide rich material over 5 cm, schistosity: 80 deg/ca.
732.0	756.5	Intensely silicified zone with disseminated pyrite, 1 to 5%, alternating light colour material with sharp contact: 70 deg/ca. Some dark colour chloritization and bluish quartz phenocrysts.
756.6	768.5	Light colour altered felsic volcanic, intensely silicified and with pyritic dots (1 to 2%).
79969	758 768	WRA, light colour, fine grained altered material.
768.5	826.0	Intense dark colour chloritization and bluish quartz phenocrysts, alternating locally narrow length of light colour material and disseminated or stringer pyrite rich sulphide zones (1 to 5%).
79970	805 811	WRA, quartz porphyry with intense chloritization and 1 to 3 % disseminated pyrite.
817.0		Fault zone over 1', broken core.
825.0		Bluish quartz concentration.
826.0	837.0	Fine grained dioritic dyke, locally xenolith of chloritized quartz porphyry with disseminated pyrite, eg at 836'. Sequence intensely altered by silicification and sericitization. 79971 828 836 WRA.
826.0	860.0	Should be pillow lavas, with pillow matrix corresponding chlorite rich xenolith zone rich in bluish quartz and disseminated pyrite (2 to 5%).
863.0		Intensely silicified and locally carbonate rich weak fault zone over 15 cm with broken core.
876.0		Carbonate rich vein zone with 5 to 6 % disseminated sulphide over 1.5', contact of chloritized quartz porphyry dyke.
878.0		Bluish quartz porphyry (30% quartz) within dark chloritized matrix and 2 to 3% disseminated pyrite. At 881' over 2.5', same dyke.
889.0		Weak fault zone with broken and ground rock in chloritic quartz porphyry dyke.
890.0	913.0	Weakly, pyritic mineralized zone with 2 to 15 % sulphide, in intensely silicified and locally chloritic quartz porphyry material, alternating light colour and silicified fine grained felsic material.
79972	912 921	WRA, silicified light colour felsic material.
927.0		For example, chloritic and quartz porphyre, about 1.4' and sharp contact: 75 deg/ca, very particular rock alternating beige to light grey silicified felsic material. Chloritization and quartz seems to be a late event, accompanying always disseminated pyrite.
948.0	958.0	Broken core 10 to 25%, good recuperation.

FOOTAGE		DESCRIPTION
From	To	
958.0	1047.0	Same sequence continues alternating chloritized quartz porphyry and silicified fine grained felsic material.
79973	998 1006	WRA, silicified felsic material with disseminated pyrite 1 to 2%.
79974	1014 1017	WRA, chloritized quartz porphyry with disseminated pyrite 2 to 3%.
1047.0	1092.0	Possible shear zone, starting at 1047' with broken core, sequence with intense chloritization and carbonate rich vein material, forming local breccia zone, eg at 1052 over 4' and 10 to 15 % carbonate, well laminated: 65 deg/ca. Same sequence as described above, but it is mylonitized. Always containing disseminated pyrite 1 to 4%.
79975	1058 1067	WRA, silicified felsic material within shear zone: mylonitic.
1091.0	1188.0	DIORITE Medium to fine grained, massive medium grey quartz diorite same as described at 355-466', with local intense alteration characterized by silicification and sericitization. To end of the hole, sequence seems to be chloritized and carbonate rich vein material, containing also bluish quartz with chloritic zone. With carbonate rich vein material zone containing little disseminated sulphide especially pyrite.
79976	1109 1115	WRA, relatively fresh quartz diorite.
79977	1176 1188	WRA, chloritized and carbonate rich vein material containing quartz diorite, also bluish quartz.
1188.0		END OF HOLE

HOLE NO.: AR303-12

ASSAY SAMPLE REPORT

NORTHING: 11+00N

AZIMUTH: 180

EASTING: 6+00W

DIP: -50

ELEVATION: 10000.00

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
.0	126.0	OVERBURDEN								
126.0	217.0	INTERMEDIATE VOLCANICS								
	145.5	149.0	83022	145.5	149.0	3.5	1010	40	.9	5
	Local chalcopryrite spots and disseminated sulphide <1%.									
	213.0	217.0	83023	213.0	217.0	4.0	188	56	<.2	10
	Disseminated and stringer sulphide with carbonate rich vein 1 to 2%.									
217.0	307.0	ALTERED AND SILICIFIED ZONE								
	235.0	238.0	83024	235.0	238.0	3.0	72	16	<.2	5
	ALTERED AND SILICIFIED ZONE with local disseminated sulphide 2 to 3%.									
	243.0	248.0	83025	243.0	248.0	5.0	15	15	<.2	<5
	ALTERED AND SILICIFIED ZONE, no visible sulphide.									
	253.0	258.0	83026	253.0	258.0	5.0	12	10	<.2	<5
	As above.									
	268.0	273.0	83027	268.0	273.0	5.0	15	18	<.2	<5
	As above, with also light brown mineral.									
	278.0	283.0	83028	278.0	283.0	5.0	100	27	<.2	<5
	As above, with little disseminated pyrite <1%.									
307.0	355.0	INTERMEDIATE VOLCANICS								
	308.5	309.5	83029	308.5	309.5	1.0	9900	59	2.6	10
	Chalcopryrite rich sulphide zone 1 to 2% over 1.									
355.0	466.0	DIORITE								
	367.0	373.0	83030	367.0	373.0	6.0	200	18	.4	<5
	Disseminated sulphide with rare chalcopryrite and quartz-carbonate vein and also carbonate rich veinlets.									
	373.0	378.0	83031	373.0	378.0	5.0	14	4	<.2	<5
	Carbonate rich veinlets with disseminated sulphide, predominantly pyrite 1%.									
	378.0	381.0	83032	378.0	381.0	3.0	53	9	.4	<5
	As above.									
	384.0	387.0	83033	384.0	387.0	3.0	238	13	.2	<5
	Disseminated pyrite 1 to 2%.									
	412.0	414.0	83034	412.0	414.0	2.0	20	<1	<.2	<5
	Contact of massive sulphide zone with a little disseminated sulphide 1 to 2%.									
	414.0	415.5	83035	414.0	415.5	1.5	181	18	1.8	90
	Massive sulphide zone, pyritic 50% pyrite over 23cm in silicified and sericitized matrix.									
	415.5	419.0	83036	415.5	419.0	3.5	29	<1	.2	<5
	Contact of massive sulphide zone with disseminated sulphide<1%.									
	434.0	438.0	83037	434.0	438.0	4.0	9	<1	<.2	<5
	Finely, disseminated sulphide 1%.									
	448.0	451.0	83038	448.0	451.0	3.0	40	7	.4	<5
	As above, 1 to 2% sulphide, pyrite, and a sulphide and carbonate rich veinlet over 5 cm.									
	458.0	461.5	83039	458.0	461.5	3.5	44	3	1.4	<5
	Fine grained disseminated pyrite 2 to 3%.									
	461.5	466.0	83040	461.5	466.0	4.5	23	6	<.2	<5
	As above, weakly silicified.									
466.0	494.0	DYKE								
494.0	535.5	DIORITE								
	500.5	505.0	83041	500.5	505.0	4.5	23	2	<.2	<5
	Disseminated pyrite 2 to 3% in silicified									

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
		diorite.								
505.0	508.0	As above, less sulphide 1%.	83042	505.0	508.0	3.0	35	3	<.2	<5
515.0	518.0	Light colour and intensely silicified dyke like material with disseminated sulphide 1 to 2%.	83043	515.0	518.0	3.0	19	14	7.0	<5
535.5	591.5	ALTERED MINERALIZED ZONE								
535.5	538.0	Silicified zone, with disseminated 1 to 3% and local sulphide rich vein 10 % pyrite over 5 cm.	83044	535.5	538.0	2.5	25	9	1.4	<5
538.0	540.0	Disseminated pyrite 1 to 2%, contact of missing core zone.	83045	538.0	540.0	2.0	20	3	.2	<5
547.0	549.0	Contact of missing core zone with disseminated and stringer pyrite and silicified zone.	83046	547.0	549.0	2.0	32	<1	<.2	<5
553.0	557.0	Disseminated sulphide 2 to 5% with local carbonate rich veinlets in silicified and sericitized DIORITE.	83047	553.0	557.0	4.0	31	7	<.2	<5
563.0	568.0	Silicified and sericitized zone with disseminated pyrite 2 to 3%.	83048	563.0	568.0	5.0	27	18	<.2	<5
568.0	573.0	As above, also sulphide veinlets, sulphide 3 to 5%.	83049	568.0	573.0	5.0	27	<1	.2	<5
573.0	577.0	More sulphide 5 to 8% with local concentration.	83050	573.0	577.0	4.0	29	3	<.2	<5
577.0	581.0	Disseminated and stringer pyrite 4 to 5%.	83051	577.0	581.0	4.0	16	2	<.2	<5
588.0	591.5	Disseminated pyrite 2 to 3% with also carbonate rich vein material.	83052	588.0	591.5	3.5	22	<1	<.2	<5
591.5	625.0	DYKE								
607.0	612.0	Disseminated pyrite 1 to 2% in altered and mineralized diorite.	83053	607.0	612.0	5.0	21	<1	<.2	<5
614.0	618.0	Quartz vein with pink carbonate and chlorite, with silicified and mineralized contact, 1 to 4% sulphide, mainly pyrite.	83054	614.0	618.0	4.0	53	2	1.2	<5
625.0	718.0	ALTERED MINERALIZED ZONE								
625.0	628.0	Heavily silicified and sericitized, light colour rock with 1% sulphide.	83055	625.0	628.0	3.0	39	<1	.4	<5
631.5	633.5	Altered mafic dyke with green mica and disseminated pyrite 1 to 2%.	83056	631.5	633.5	2.0	48	<1	<.2	<5
638.0	643.0	Silicified and sericitized zone with disseminated pyrite 1 to 4%, also with carb rich narrow vein.	83057	638.0	643.0	5.0	25	7	<.2	<5
648.0	653.0	As above, with less sulphide 1 to 2%.	83058	648.0	653.0	5.0	58	<1	.8	<5
660.0	664.0	Altered and mineralized mafic dyke zone with 4 to 5% disseminated and stringer pyrite.	83059	660.0	664.0	4.0	40	26	<.2	5
668.0	673.0	Heavily silicified and sericitized light coloured zone with rare disseminated sulphide and carbonate rich vein material.	83060	668.0	673.0	5.0	26	10	<.2	<5
678.0	683.0	Again, may be mafic dyke zone with 1 to 3% disseminated and stringer pyrite.	83061	678.0	683.0	5.0	18	18	.4	<5
698.0	703.0	Silicified and sericitized zone with little disseminated pyrite 1%.	83062	698.0	703.0	5.0	15	28	<.2	<5
708.0	713.0	As above, with local carbonate rich narrow veinlet.	83063	708.0	713.0	5.0	17	19	<.2	<5

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
718.0	1091.0	FELSIC VOLCANICS DIORITE								
718.0	721.5	Silicified and sericitized, local chloritized quartz porphyry with stringer and disseminated pyrite 1 to 3%.	83064	718.0	721.5	3.5	16	34	.8	<5
721.5	725.0	Light colour, intensely silicified and sericitized zone with disseminated pyrite 1%.	83065	721.5	725.0	3.5	15	25	2.8	<5
728.0	732.0	As above, also local carbonate rich veinlets.	83066	728.0	732.0	4.0	11	20	.2	15
732.0	736.0	Intensely chloritized and sericitized zone with 3 to 4 % disseminated pyrite.	83067	732.0	736.0	4.0	87	23	1.6	<5
738.0	742.0	As above, with 2 to 5% disseminated pyrite.	83068	738.0	742.0	4.0	19	18	<.2	5
742.0	747.0	Light colour silicified and sericitized zone with 1 to 2% disseminated pyrite.	83069	742.0	747.0	5.0	9	13	<.2	<5
748.0	752.5	Chloritized bluish quartz porphyry with 2 to 4% disseminated pyrite.	83070	748.0	752.5	4.5	12	9	1.2	<5
752.5	756.5	As above, also pyrite and carbonate rich veinlets, 2 to 5% sulphide.	83071	752.5	756.5	4.0	12	25	<.2	10
761.5	763.5	Chloritized quartz porphyry with 1 to 2% pyrite	83072	761.5	763.5	2.0	23	21	<.2	15
768.0	773.0	Silicified zone with chlorite spots and 3 to 5% pyrite.	83073	768.0	773.0	5.0	77	24	2.0	<5
773.0	778.0	Some rare pyrite rich veinlets and 2 to 3% sulphide.	83074	773.0	778.0	5.0	23	20	.4	5
791.0	794.0	Disseminated pyrite 3 to 4%, in chloritized quartz porphyry.	83075	791.0	794.0	3.0	14	49	<.2	5
798.0	802.0	1 to 3% disseminated pyrite.	83076	798.0	802.0	4.0	27	40	<.2	20
842.0	845.0	A carbonatized zone with 2 to 5% pyrite over 1'	83077	842.0	845.0	3.0	24	33	<.2	5
849.5	851.5	Disseminated pyrite 2 to 3%, in chloritized quartz porphyry.	83078	849.5	851.5	2.0	64	68	<.2	<5
876.0	878.0	Carbonate rich vein material with disseminated pyrite, 3 to 5%.	83079	876.0	878.0	2.0	21	39	<.2	<5
878.0	879.0	Disseminated pyrite 2 to 3%, in chloritized quartz diorite.	83080	878.0	879.0	1.0	18	113	<.2	<5
890.0	895.0	Silicified zone with disseminated pyrite 1 to 3%, locally chloritized matrix.	83081	890.0	895.0	5.0	24	199	<.2	<5
895.0	897.0	Intensely pyritized zone with euhedral m.ric pyrite, disseminated or in stringer 10 to 15% sulphide.	83082	895.0	897.0	2.0	367	88	<.2	<5
897.0	902.0	Disseminated pyrite 2 to 3%, with silicified and weakly chloritized matrix.	83083	897.0	902.0	5.0	10	160	<.2	<5
902.0	905.0	As above.	83084	902.0	905.0	3.0	18	519	<.2	10
905.0	908.0	More disseminated euhedral pyrite 5 to 10% with bluish quartz.	83085	905.0	908.0	3.0	33	48	.6	5
908.0	912.5	Intensely silicified zone with disseminated pyrite 2 to 4 and local carbonate rich vein material.	83086	908.0	912.5	4.5	21	82	<.2	<5
948.0	953.0	Broken zone with local disseminated pyrite 1 to 4%.	83087	948.0	953.0	5.0	5	27	<.2	5
961.0	965.0	As above.	83088	961.0	965.0	4.0	15	57	<.2	20
968.0	973.0	Disseminated pyrite 1 to 3% in silicified and locally chloritized matrix and rare pyrite rich veinlets.	83089	968.0	973.0	5.0	44	26	<.2	5
983.0	988.0	Intensely silicified, beige, felsic material with disseminated pyrite 1 to 3%.	83090	983.0	988.0	5.0	29	3	<.2	<5
994.0	999.0	Chloritized quartz porphyry with disseminated pyrite 2 to 3%.	83091	994.0	999.0	4.0	22	18	<.2	10
1021.5	1025.0	Tiny pyrite veinlets or disseminated pyrite 5 to 10%.	83092	1021.5	1025.0	3.5	104	23	.2	10
1025.0	1029.0	Intensely silicified zone with disseminated pyrite 3 to 4% (beige).	83093	1025.0	1029.0	4.0	23	2	.8	<5
1029.0	1031.0	Milky quartz vein with little disseminated	83094	1029.0	1031.0	2.0	21	<1	<.2	<5

HOLE # 1 303-12

SAMPLE	FROM ft	TO ft	SiO2 %	TiO2 %	Al2O3 %	FeOT %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	Total %	Cu ppm	Zn ppm	Ag ppm	Au ppb	HAI	SR	AI	NR	VI	PI	Al/Ti
79957	128	138	62.50	0.57	15.41	8.13	0.05	4.49	0.78	1.32	1.09	0.11	4.39	98.85	351	88	0.2	<5	73	12	45	80	7	77	27
79958	218	228	65.93	0.63	14.79	2.47	0.05	4.43	2.36	2.48	1.11	0.20	5.83	100.28	46	76	0.2	11	53	6	31	38	3	64	23
79959	258	268	63.40	0.68	15.92	1.38	0.04	4.25	3.07	3.32	1.38	0.15	7.00	100.60	10	36	<0.1	<5	47	5	29	22	1	56	23
79960	336	343	58.89	0.61	17.54	5.25	0.04	5.32	2.55	2.57	1.57	0.05	5.39	99.78	218	66	0.2	<5	57	7	38	77	3	67	29
79961	398	405	64.85	0.68	16.96	4.25	0.03	3.81	2.48	2.68	1.26	0.06	4.17	101.23	21	34	0.2	<5	50	6	32	38	1	59	25
79962	438	448	59.82	0.92	15.37	5.62	0.05	3.57	5.23	1.81	1.76	0.28	6.36	100.79	34	40	0.1	<5	43	8	49	46	2	66	17
79963	468	478	47.64	0.66	13.26	8.73	0.15	7.34	9.53	2.11	<0.03	0.34	10.84	100.60	56	97	0.1	<5	39	6	1	37	5	78	20
79964	518	528	67.45	0.82	17.21	3.29	0.02	4.11	0.80	0.60	3.36	0.16	4.06	101.87	5	38	0.1	<5	84	29	85	12	6	87	21
79965	549	553	76.00	0.39	11.09	3.71	0.01	1.73	0.22	0.37	2.32	<0.03	3.83	99.67	10	30	0.4	9	87	30	86	25	8	82	28
79966	581	588	67.55	0.51	14.18	6.10	0.03	2.61	1.40	0.49	2.92	<0.03	4.56	100.35	13	43	0.1	10	75	29	86	23	9	84	28
79967	628	638	69.29	0.47	12.90	2.31	0.04	1.85	2.94	1.30	1.81	<0.03	5.50	98.41	14	13	0.2	<5	46	10	58	52	1	59	27
79968	688	696	69.36	0.54	13.28	2.02	0.03	2.16	3.32	1.85	1.00	0.06	6.43	100.04	5	14	<0.1	6	38	7	35	26	1	54	25
79969	758	768	73.96	0.42	11.47	3.05	0.05	1.53	2.45	1.40	1.05	0.07	3.94	99.38	13	14	0.4	9	40	8	43	48	1	52	27
79970	805	811	60.21	0.46	15.34	5.88	0.07	5.41	2.24	1.31	1.15	<0.03	6.11	98.19	52	55	0.2	7	65	12	47	49	4	81	33
79971	828	836	72.87	0.43	11.71	3.76	0.04	2.41	1.34	1.15	1.10	<0.03	3.92	98.73	12	40	<0.1	<5	59	10	49	23	3	68	27
79972	912	921	70.41	0.44	13.05	3.27	0.05	1.85	2.17	1.31	1.28	<0.03	4.94	98.76	10	25	<0.1	<5	47	10	49	29	2	59	30
79973	998	1008	67.39	0.48	14.04	6.00	0.09	2.54	2.53	0.95	1.20	0.08	4.24	99.54	36	77	0.2	<5	52	15	56	32	8	73	29
79974	1014	1017	57.90	0.43	16.41	9.87	0.11	3.99	2.55	0.78	1.30	<0.03	4.67	98.02	12	155	0.5	7	61	21	63	7	20	84	38
79975	1058	1067	69.92	0.39	13.17	5.27	0.07	1.48	1.93	0.99	1.63	<0.03	4.08	98.92	10	45	0.3	<5	52	13	62	18	5	60	34
79976	1109	1115	63.66	0.51	14.82	5.28	0.05	2.89	3.32	1.93	0.89	0.07	5.94	99.36	8	38	0.3	<5	42	8	32	17	2	60	29
79977	1178	1188	56.51	0.50	17.97	7.30	0.07	4.71	2.02	5.35	0.41	<0.03	5.65	100.50	9	51	<0.1	<5	41	3	7	15	1	47	36

HOLE NO.: 303-13

AUR RESOURCES INC.

DIAMOND DRILL LOG

PROJECT: COURAGEOUS
PROVINCE:
N.T.S.: 32 C/3
TOWNSHIP: Louvicourt
RANGE: V
LOT No.: 48
CLAIM No.: 353115-1

COLLAR LOCATION

LOCAL GRID: 16+00N
24+00W
SURVEYED GRID:

Date started: June 19, 1990
Date completed: June 22, 1990
Core size: BQ
Drilled by: Forage Alexandre
Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -50.0
Collar azimuth: 180.0
Collar elevation: 10000.0 feet
Total length: 1248.0 feet

Sample Numbers: 83101-83196

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
108.0		-50.0	750.0		-44.0
200.0		-50.0	800.0		-44.0
250.0		-50.0	850.0		-43.0
300.0		-49.0	900.0		-42.0
350.0		-49.0	950.0		-41.0
400.0		-48.0	1000.0		-41.0
450.0		-47.0	1050.0		-40.0
500.0		-46.0	1100.0		-40.0
550.0		-45.0	1150.0		-39.0
600.0		-45.0	1200.0		-39.0
700.0		-45.0	1248.0		-38.0

FOOTAGE
From To

DESCRIPTION

.0 106.0 OVERBURDEN
Casing left in the hole.

106.0 350.0 ALUMINO-SILICATE ZONE

* Similar zone, intersected at the beginning of hole 303-3, 400' west side of this hole, but main aluminosilicate minerals (andalusite, dumortierite, etc) missing or difficult to recognize by necked eye, only light brown phyllosilicate mineral (pyrophyllite?) abundantly developed. Sequence was cut by milky wide quartz veins containing some places unusual minerals, may be aluminosilicate minerals. Local rare speck of chalcopyrite occurrence is noted. Aluminosilicate zone seems to be complex, different facies alternate each other. Locally, it is a well laminated sequence.

106.0 128.0 Fine grained, massive, weakly laminated, medium grey to beige a typical aluminosilicate zone, containing dots of light brown phyllosilicate mineral, defining a lamination: 50-60 deg/ca. At 120' over 1.5', rare speck of chalcopyrite and at 125' disseminated, fine grained sulphide (pyrite, 1%).

79978 108 114 WRA, medium grey aluminosilicate containing sequence with light brown mineral (10 to

HOLE NO.: 303-13

FOOTAGE		DESCRIPTION
From	To	
		15%).
128.0	135.0	Beige to light brown facies, containing mostly light brown mineral (soapy and softer), and quartz rich material. 79979 128 138 WRA. Well laminated: 60 deg/ca.
135.0	147.0	Medium grey, similar to sequence at the beginning of hole, and some sericite development.
147.0	157.7	Milky quartz vein, Milky quartz vein material, at the contact, a soapy mineral talk or pyrophyllite. Another bluish mica like mineral associated milky quartz, may be also kyanite?.
156.0		Over 1.5', missing core.
158.0	182.0	Same medium grey sequence, local light brown mineral rich zone and narrow quartz vein with unusual an ash grey mineral, eg at 173' over 1'.
188.0	192.0	Fine grained, well laminated, beige to light brown, alternating with quartz rich bands. Lamination: 45 deg/ca.
192.0	197.0	Altered quartz diorite, medium grained, massive and medium grey, it is a dyke, sharp contact: 50 deg/ca.
197.0	207.0	A fragmental rock, containing light brown mineral.
197.0	247.0	Medium grey diorite, some place altered and light in colour, with probable aluminosilicate alteration.
79980	208 217	WRA, altered diorite.
223.0		Quartz vein material and soapy mineral at the edge.
247.0		Over 1.5', a mafic dyke with sharp contact: 40 deg/ca.
248.0	265.0	Beige to light brownish sequence with quartz rich deformed bands, and well laminated: 50 deg/ca and looks like also fragmental. A probable tectonic breccia zone.
79981	250 260	WRA, beige to light brown sequence.
265.0	268.0	A mafic dyke with sharp contact: 5 deg/ca and chilled margins, containing also disseminated several mm.eric pyrite cubes. At 266' over 1', missing core.
268.0	285.0	Milky quartz vein Milky quartz vein zone, containing locally host rock material and mica like aluminosilicate mineral (bluish). A visible alteration at the contact but no visible sulphide mineral. A steril zone. Contact: 60 deg/ca.
285.0	305.0	Finely laminated, fine grained beige to light brown sequence, typical aluminosilicate zone, containing an intensely broken, and steril milky quartz vein. Lamination: 60 deg/ca.
305.0	312.5	A quartzite zone, fine grained, finely laminated: 50 deg/ca, containing a disseminated black mineral, elongated // to schistosity. May be a felsic dyke.
312.5	324.0	A chalcopyrite bearing zone, rare specks of chalcopyrite (about 1%) sporadically distributed and fracture filling occurrence. Host rock is fine grained beige to medium grained with probable aluminosilicate alteration (eg light brown mineral).
324.0	338.5	Beige to light brown sequence, cut by narrow quartz vein and by mafic dyke at 332' over 1.5' with pyrite stringer (1%), sharp contact: 65 deg/ca.
338.5		Mafic dyke over 2', with sharp contact: 60-65 deg/ca. Intense epidotization with green pistachio in colour and some quartz eyes at the contact over 1'. Another similar mafic dyke at 341' over 4', with epidote rich chilled margin and sharp contact: 50 deg/ca. And some pyrite cubes. 79982 341 345 WRA.
345.0	350.0	Beige to light brown sequence, it is host rock to mafic dyke.
350.0	428.0	DIORITE A transition zone, that is meaning, aluminosilicate zone gradually passes to the fresh quartz diorite, still containing locally beige to light brown sequence. Also some milky quartz veins containing probably some aluminosilicate minerals. Also local chalcopyrite rich stringer. Sequence seems to be intensely silicified and sericitized.
79983	362 371	WRA, altered diorite in the transition zone.
381.5		Milky quartz vein material with aluminosilicate mineral and host rock fragments, over

FOOTAGE
From To

DESCRIPTION

- 1.6'.
393.5 Chalcopyrite bearing zone, in the tiny spaced veinlets with pyrite, over 2.5', sulphide: <1%.
- 397.5 Quartz vein material with bluish aluminosilicate mineral and host rock fragments, no visible sulphide.
- 402.5 404.0 A chalcopyrite rich zone, fracture filling mineralization in tiny veinlets in the host rock or some specks of chalcopyrite in the quartz rich vein material. 1 to 3% sulphide, chalcopyrite>pyrite. Chalcopyrite veinlets: 30 deg/ca.
- 404.0 428.0 Beige to light brown sequence, finely laminated: 70 deg/ca, alternating quartz rich bands with light brown phyllosilicate mineral rich material. In some places, this sequence looks like an altered felsic dyke alternating with dioritic host rock, eg at 417 to 420' diorite.
- 428.0 637.0 DIORITE
Fine to medium grained, massive, medium grey, homogeneous, typical dioritic rock (2D), locally altered by silicification and containing chalcopyrite rich mineralized zones. Locally rare bluish quartz eyes with chloritized zones. Mineralization: fracture filling chalcopyrite rich veinlets or disseminated fine grained sulphide within intensely altered zones, and rare narrow quartz vein material.
- 428.0 Sharp contact with altered felsic dyke: 60 deg/ca.
- 79984 331 341 WRA, diorite, fine grained.
- 428.0 A mineralized zone with chalcopyrite rich veinlets and disseminated fine grained sulphide zone, eg at 450' over 20 cm 10% sulphide with 2 to 3 % chalcopyrite. Also rare chalcopyrite specks every where in the sequence but sporadically distributed, eg at 478'.
- 490.0 492.0 A felsic dyke, fine grained, beige to light grey.
- 79985 493 503 WRA, typical dioritic rock with rare disseminated specks of chalcopyrite.
- 509.0 515.0 A tectonic breccia zone, polygenic quartz rich fragments within a chloritic matrix, with rare sulphide.
- 538.0 Over 1', disseminated sulphide, 2 to 5%, with fine grained pyrite and little chalcopyrite. And with altered zone, always little disseminated sulphide.
- 569.0 Broken zone, a late fault, ground rock within chloritic matrix.
- 79986 588 598 WRA, altered diorite, with silicification and weak chloritisation.
- * 598.0 637.0 Altered and weakly mineralized zone. Fracture controlled, fine grained sulphide veinlets, forming locally cement of breccia zone. Also carbonate rich vein material with sulphide. Fine grained pyrite with little chalcopyrite 1 to 10%.
- 612-621
- 637.0 737.0 DYKE
Dyke swarm.
Mafic dykes zone, several mafic dykes cut altered and weakly mineralized above dioritic sequence. It is andesite porphyry with feldspar phenocrysts within a chloritic matrix. Dyke swarm zone, eg at 637' over 4' (contact: 60 deg/ca) with 1% disseminated pyrite, at 648' over 5' (contact: 60 deg/ca) with chilled margins and 1 to 2% disseminated pyrite, at 674' over 2' cutting weakly mineralized diorite, at 677' over 1' (contact: 60 deg/ca), at 692' over 1.2', at 704' over 10 cm (contact: 50 deg/ca, at 707' over 15 cm, at 709.5' over 6', at 728.5' over 15 cm and at 730' over 7' (contact: 25 and 50 deg/ca). Altered and mineralized dioritic sequence similar to those of described above, with disseminated and stringer sulphide but chalcopyrite is rare. Intense silicification and sericitization. Also bleached sequence.
- 79987 658 668 WRA, altered and weakly mineralized dioritic sequence.
- 79988 678 688 WRA, mafic dyke andesite porphyry.

HOLE NO.: 303-13

FOOTAGE
 From To

DESCRIPTION

737.0 775.0 DIORITE

Intensely silicified and chloritized diorite with weak mineralization. Consists of beige to light brown felsic dyke material alternating breccia like highly chloritized dioritic material containing disseminated sulphide and quartz phenocrysts or phenoblasts. Mineralization in the felsic dyke like material, probably also intensely silicified dioritic rock, consists of disseminated pyrite and rare speck of chalcopryrite or chalcopryrite and quartz rich veinlet, eg at 745' (1 cm and 40 deg/ca). Felsic like material locally looks like also 'brecciated', eg at 754'.

737.0 740.0 Beige, felsic dyke like material or intensely altered dioritic rock.

740.0 752.0 Intensely chloritized dioritic rock, locally chalcopryrite specks.

79989 746 752 WRA, intensely chloritized diorite.

754.0 Over 1', a brecciated zone.

755.0 775.0 Beige to light brown felsic dyke material, and local development of green mica (fuchsite). Sequence was locally cut by mafic dyke as same as above dykes, with sharp contact and chilled margins, and a little more altered, eg at 770.5' over 0.8' with disseminated pyrite 2%, contact: 60 deg/ca.

79990 753 761 WRA, beige felsic dyke like material, intensely silicified and sericitized.

775.0 815.0 DIORITE

Medium to fine grained, massive, medium grey, typical diorite (2D), containing 1 to 3% disseminated pyrite and local and spaced carbonate rich vein material. Also rare mineralized pyrite rich veinlets, eg at 784.5' over 1 cm. Also local silicified zone with little more sulphide, eg at 797' over 1.5'.

79991 788 797 WRA, relatively fresh diorite.

815.0 920.0 ALTERED MINERALIZED ZONE

*

A large altered and mineralized zone in the dioritic sequence. Zone is characterized by first intense silicification and sericitization, by disseminated and stringers fine grained sulphide veinlets and by local brecciation with fine grained sulphide forming cement of this breccia.

815.0 Beige, intensely silicified and sericitized zone over 4' with weak lamination: 70 deg/ca.

819.0 844.0 Weakly chloritized zone and also intense silicification, containing disseminated and stringers sulphide veinlets, and local carbonate rich veinlets.

79992 829 836 WRA, weakly chloritized diorite containing disseminated sulphide 2 to 5%.

855.0 Milky quartz vein over 1' with strong visible alteration at the edge, strong sericitization.

857.0 A late fault zone, with broken core, recuperation 50% over 3'.

860.0 898.0 Main mineralized zone with up to 15% fine grained sulphide, forming mm.ric to cm.ric veinlets, also constitute cement of breccia, because there is an intense brecciation of dioritic rock. Principal sulphide is pyrite, fine grained or euhedral mm.ric crystals, also rare chalcopryrite.

79993 860 836 WRA, intensely altered and heavily mineralized diorite.

898.0 920.0 Same alteration persists but containing less sulphide.

79994 898 908 WRA, altered diorite after main mineralized zone.

920.0 1102.0 DIORITE

Same dioritic sequence, fine to medium grained, massive, medium grey. Sequence was cut by beige to light grey felsic dyke like sequence. Several chalcopryrite bearing zone and locally massive

FOOTAGE		DESCRIPTION
From	To	
		chalcopyrite rich zone, eg at 1015.5' over 12 cm. Local carbonate quartz vein material, eg at 1060' over 1'.
920.0	927.0	Fine grained, light silicification, local rare spaced sulphide veinlets.
927.0	940.0	Beige to light grey felsic dyke like sequence, Intensely silicified and sericitized, rare specks of sulphide. 79995 928 938 WRA.
940.0	953.0	Typical dioritic sequence, medium grained and local spaced sulphide veinlets.
953.0	1004.0	Intensely silicified zone with local chalcopyrite occurrence. Fine to medium grained, local chloritization relatively light colour intensely silicified zone, sulphide concentration in veinlets or associated quartz carbonate vein material. Pyrite is main sulphide but locally chalcopyrite rich zone with pyrite, eg at 971' over 10 cm with quartz carbonate vein: 60 deg/ca. Also rare chalcopyrite rich veinlets. At 977' over 1', a broken zone with quartz carbonate vein material, containing disseminated sulphide 1 to 3 %. Also local disseminated pyrite 1 to 2% in the dioritic host rock, eg 1000'.
79996	987 998	WRA, slightly silicified dioritic sequence.
1002.0	1010.0	Felsic dyke like sequence, fine grained, beige to light grey. Should be noted that the contact seems to be often gradual with dioritic sequence and some sulphide occurrence at the contact (1 to 3 %, with also chalcopyrites specks).
* 1015.5		Massive chalcopyrite zone over 12 cm (60 % chalcopyrite), associated to a milky quartz vein over 1', also brecciated contact zone over 2' containing fine grained sulphide, forming generally cement of breccia, 5 to 7 % sulphide, contact: 60 deg/ca.
1018.0	1023.0	Silicified, fine grained zone, containing 3 to 5 % disseminated sulphide, pyrite and rare chalcopyrite.
1023.0	1085.0	Medium grained, locally highly chloritized typical dioritic sequence, containing disseminated euhedral pyrite, and was cut by mafic dyke with sharp contact: 55-60 deg/ca, eg at 1053' over 2'. Local carbonate quartz, chlorite rich vein material associated local shear zone with rare sulphide occurrence, eg at 1058, and 1060' over 1' (shear zone): 50-60 deg/ca. With chloritization, some bluish quartz development.
79997	1061 1071	WRA, chloritized dioritic sequence.
1085.0	1102.0	Intensely silicified and sericitized felsic dyke like sequence. Contact is gradual, some disseminated sulphide at the contact zone.
1102.0	1199.5	DIORITE Massive, medium to coarse grained, composed of mafic feldspar (50%) and of chloritized ferromagnesian (50%), homogeneous, rare narrow quartz carbonate veins, eg at 1138 over 0.5' and 1151' over 10 cm: contact 45 deg/ca. Also local chloritic and carbonate rich shear zone, eg at 118' over 1.5' with little sulphide stringers, with a schistosity: 65 deg/ca. Locally looks like mafic diorite or a gabbroic rock.
1126.0	1129.0	A pyrite carbonate rich veinlets, // to ca with 2 to 10 % euhedral mafic pyrite.
79998	1137 1148	WRA, coarse to medium grained dioritic sequence.
1199.5	1232.0	DYKE Mafic dyke with chilled margins and sharp contact: 45 deg/ca, also sheared with carbonate rich vein material development. Fine to medium grained, massive, medium greenish grey andesite porphyry. Also some late quartz eyes or chlorite rich eyes. Also weak lineation: 50-60 deg/ca. 79999 1208 1218 WRA, mafic dyke.

HOLE NO.: 303-13

FOOTAGE		DESCRIPTION
From	To	
1232.0	1248.0	DIORITE Tonalite. Medium to coarse grained, quartz rich diorite, locally bluish quartz within chloritized zone. A tonalitic sequence. Also rare carbonate rich veinlets and epidote development in the groundmass. 80000 1236 1241 WRA, tonalitic sequence.
1248.0		END OF HOLE

HOLE NO.: AR303-13

ASSAY SAMPLE REPORT

NORTHING: 16+00N
EASTING: 24+00W
ELEVATION: 10000.00

AZIMUTH: 180
DIP: -50

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
.0	106.0	OVERBURDEN								
106.0	350.0	ALUMINO-SILICATE ZONE								
	120.0	121.5	83101	120.0	121.5	1.5	4170	2	1.4	15
	121.5	125.0	83102	121.5	125.0	3.5	545	27	.2	5
	268.0	272.0	83103	268.0	272.0	4.0	19	16	<.2	<5
	278.0	282.0	83104	278.0	282.0	4.0	23	<1	<.2	<5
	285.0	288.0	83105	285.0	288.0	3.0	18	1	<.2	<5
	312.5	315.0	83106	312.5	315.0	2.5	1340	11	.8	5
	315.0	319.0	83107	315.0	319.0	4.0	182	<1	<.2	10
	319.0	324.0	83108	319.0	324.0	5.0	876	4	.2	5
	332.0	333.5	83109	332.0	333.5	1.5	371	3	.8	5
350.0	428.0	DIORITE								
	393.5	396.0	83110	393.5	396.0	2.5	1120	1	.4	20
	397.5	399.5	83111	397.5	399.5	2.0	36	<1	.6	5
	399.5	402.5	83112	399.5	402.5	3.0	83	<1	<.2	<5
	402.5	404.0	83113	402.5	404.0	1.5	3660	<1	1.4	5
	404.0	408.0	83114	404.0	408.0	4.0	3710	<1	1.6	5
428.0	637.0	DIORITE								
	448.0	450.5	83115	448.0	450.5	2.5	5520	<1	.2	130
	450.5	455.0	83116	450.5	455.0	4.5	683	<1	<.2	
	461.0	464.0	83117	461.0	464.0	3.0	3120	<1	.4	5
	475.0	478.0	83118	475.0	478.0	3.0	589	<1	<.2	<5
	478.0	479.5	83119	478.0	479.5	1.5	11800	4	2.0	5
	485.0	488.0	83120	485.0	488.0	3.0	1350	<1	<.2	<5
	509.0	513.0	83121	509.0	513.0	4.0	2060	<1	<.2	5
	538.0	541.0	83122	538.0	541.0	3.0	364	<1	<.2	5
	543.5	546.5	83123	543.5	546.5	3.0	1080	<1	<.2	10
	558.0	561.0	83124	558.0	561.0	3.0	1950	<1	<.2	10

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
598.0	602.0	1 to 4% sulphide stringers with fine grained pyrite and speck of chalcopyrite.	83125	598.0	602.0	4.0	547	<1	<.2	10
602.0	606.0	As above, but less sulphide.	83126	602.0	606.0	4.0	556	22	<.2	5
606.0	610.0	As above, also 1% disseminated pyrite.	83127	606.0	610.0	4.0	930	21	.8	5
610.0	615.0	Disseminated pyrite, local 5% carbonate veinlets.	83128	610.0	615.0	5.0	102	23	.2	<5
615.0	618.0	Chalcopyrite rich sulphide stringers, forming cement of breccia, 2 to 6% sulphide.	83129	615.0	618.0	3.0	5140	15	<.2	35
618.0	621.0	As above, 2 to 10% sulphide, fine grained pyrite and chalcopyrite.	83130	618.0	621.0	3.0	4920	12	.6	3505
621.0	625.0	1 to 2% disseminated and stringers sulphide.	83131	621.0	625.0	4.0	1340	3	.4	60
625.0	629.0	Highly silicified rock with 1 to 4%, pyrite and chalcopyrite stringers.	83132	625.0	629.0	4.0	2290	<1	.4	45
629.0	634.0	Disseminated sulphide 1 to 2% in silicified zone.	83133	629.0	634.0	5.0	192	2	.2	50
634.0	637.0	Silicified zone with disseminated pyrite 1 to 2%.	83134	634.0	637.0	3.0	21	<1	<.2	10
637.0	737.0	DYKE								
645.0	647.0	Disseminated pyrite 2 to 3% in intensely silicified and sericitized sequence.	83135	645.0	647.0	2.0	5	<1	.2	<5
670.0	674.0	Disseminated pyrite 2 to 3%, and local pyrite rich stringers, up to 5% sulphide at the mafic dyke contact	83136	670.0	674.0	4.0	126	<1	.6	5
689.0	693.0	Disseminated pyrite 3 to 4% in silicified and sericitized dioritic sequence.	83137	689.0	693.0	4.0	309	<1	.6	10
697.0	701.0	Intense silicification, with disseminated pyrite 3 to 4% and rare speck of chalcopyrite.	83138	697.0	701.0	4.0	940	<1	<.2	25
717.0	720.0	1 to 2% stringer filled by pyrite and disseminated pyrite 1 to 2%.	83139	717.0	720.0	3.0	289	<1	1.0	<5
737.0	775.0	DIORITE								
737.0	740.0	Silicified and sericitized zone with disseminated pyrite and speck of chalcopyrite, sulphide 1 to 2%.	83140	737.0	740.0	3.0	1270	<1	2.0	15
740.0	744.0	Progressively chloritized diorite, locally brecciated and containing disseminated sulphide 2 to 3%.	83141	740.0	744.0	4.0	1240	<1	1.6	20
744.0	746.0	Chalcopyrite bearing zone in veinlet with quartz and also disseminated pyrite 2 to 4%.	83142	744.0	746.0	2.0	3850	<1	.4	20
752.0	753.5	Disseminated euhedral mafic pyrite 1 to 4%.	83143	752.0	753.5	1.5	392	<1	.6	<5
761.0	764.5	Chloritized and silicified zone with disseminated euhedral mafic pyrite and very rare chalcopyrite, sulphide 4 to 10%.	83144	761.0	764.5	3.5	950	<1	.2	75
764.5	768.0	Intensely silicified and sericitized felsic dyke like material with disseminated euhedral mafic pyrite 1 to 3%.	83145	764.5	768.0	3.5	715	<1	.2	10
775.0	815.0	DIORITE								
797.0	799.0	Weakly silicified zone with disseminated pyrite 2 to 4%.	83146	797.0	799.0	2.0	74	<1	<.2	30
808.0	812.0	Disseminated pyrite 2 to 3% in relatively fresh diorite and quartz-carbonate rich vein material over 4 cm at 810'.	83147	808.0	812.0	4.0	99	<1	.2	40

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
815.0	920.0	ALTERED MINERALIZED ZONE								
	815.5	819.0 Sericitized and silicified zone with intense bleaching (beige) quartz vein material and little speck of sulphide <1%.	83148	815.5	819.0	3.5	38	<1	<.2	60
	819.0	823.0 Weakly chloritized zone and rare, spaced sulphide stringers.	83149	819.0	823.0	4.0	583	<1	<.2	60
	823.0	825.5 Bleached (beige) zone by intense silicification and sericitization with rare disseminated sulphide.	83150	823.0	825.5	2.5	2440	<1	<.2	35
	825.5	828.0 Sulphide rich zone with m.ric pyrite rich veinlets in silicified matrix, sulphide 3 to 5%.	83151	825.5	828.0	2.5	582	<1	<.2	5
	828.0	832.0 Disseminated pyrite and speck of chalcopyrite with weakly chloritized matrix, sulphide 1 to 3%.	83152	828.0	832.0	4.0	467	96	.4	<5
	832.0	836.0 As above also rare quartz-carbonate veinlets, sulphide 1 to 4%.	83153	832.0	836.0	4.0	122	52	<.2	10
	836.0	840.0 Intensely altered zone with disseminated and stringers sulphide, locally fine grained, 3 to 8% sulphide.	83154	836.0	840.0	4.0	136	18	<.2	10
	840.0	844.0 As above, but only 2 to 3% disseminated sulphide and less bleached.	83155	840.0	844.0	4.0	155	40	<.2	5
	844.0	848.0 Weakly bleached zone, with pyrite stringers and little chalcopyrite, 3 to 5% sulphide.	83156	844.0	848.0	4.0	200	17	<.2	<5
	848.0	852.0 Bleached zone by silicification and sericitization with disseminated and stringer sulphide, 3 to 4%.	83157	848.0	852.0	4.0	267	26	<.2	5
	852.0	855.0 As above, also some sheared zone with little more sulphide, 3 to 7%, and smoky quartz veinlets.	83158	852.0	855.0	3.0	88	4	.4	15
	855.0	856.5 Milky quartz vein with chloritized and sericitized matrix with visible alteration at the edge by intense sericitized, and rare sulphide.	83159	855.0	856.5	1.5	34	<1	.2	5
	856.5	860.0 Intensely broken and a late fault zone with disseminated sulphide, and local brecciation, 3 to 4% sulphide.	83160	856.5	860.0	3.5	51	24	.4	10
	860.0	864.0 Beginning of main mineralized zone, with 4 to 5% disseminated and stringers sulphide within intensely silicified zone.	83161	860.0	864.0	4.0	35	19	.4	5
	864.0	868.0 Locally brecciated zone with sulphide rich cement, 4 to 8% sulphide, especially pyrite.	83162	864.0	868.0	4.0	178	20	.2	5
	868.0	871.5 Brecciated zone with heavy sulphidization, 5 to 10% pyrite riche fine grained sulphide forming up to m.ric veinlet.	83163	868.0	871.5	3.5	77	17	.2	<5
	871.5	874.0 Brecciated diorite with disseminated sulphide forming cement of breccia, 4 to 8% sulphide, fine grained.	83164	871.5	874.0	2.5	105	16	.2	<5
	874.0	878.0 As above, also euhedral m.ric disseminated pyrite 2 to 3%.	83165	874.0	878.0	4.0	100	21	.4	5
	878.0	882.0 Fine grained sulphide, forming cement of breccia, intensely silicified zone, up to 15% sulphide, especially pyrite.	83166	878.0	882.0	4.0	93	15	.6	10
	882.0	886.0 As above.	83167	882.0	886.0	4.0	102	19	.4	20
	886.0	890.0 As above, also narrow quartz vein with a bluish mineral: kyanite!, 5 to 10% fine grained sulphide, especially pyrite.	83168	886.0	890.0	4.0	68	20	<.2	5
	890.0	894.0 Same mineralized zone with 5 to 7% sulphide.	83169	890.0	894.0	4.0	80	28	<.2	5
	894.0	898.0 As above.	83170	894.0	898.0	4.0	102	3	.4	40
	898.0	903.0 End of main mineralized zone with 2 to 5% pyrite, disseminated or stringers.	83171	898.0	903.0	5.0	288	3	.8	20

HOLE NO.: AR303-13

ASSAY SAMPLE REPORT

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB	
From	To										
903.0	907.0	Bleached and intensely silicified zone with 2 to 5% pyrite.	83172	903.0	907.0	4.0	101	8	.4	20	
908.0	912.0	Beige, bleached zone with rare disseminated pyrite, and local chloritization.	83173	908.0	912.0	4.0	25	5	.2	10	
912.0	916.0	Same alteration zone with rare disseminated sulphide.	83174	912.0	916.0	4.0	51	3	.2	5	
916.0	920.0	As above, and little more sulphide 1 to 2%, disseminated or stringer, forming also cement of breccia.	83175	916.0	920.0	4.0	121	2	<.2	<5	
920.0	1102.0	DIORITE									
932.5	935.0	Silicified and sericitized felsic dyke with some specks of sulphide, <1%, with also some chlorite development.	83175	932.5	935.0	2.5	121	2	<.2	<5	
940.0	942.5	Gradual contact of felsic dyke with some sulphide rich veinlets, 1% sulphide.	83176	940.0	942.5	2.5	642	1	<.2	<5	
948.0	950.0	Some disseminated or spaced sulphide rich veinlets, <1% sulphide.	83178	948.0	950.0	2.0	97	10	<.2	<5	
957.0	960.0	Silicified and chloritized zone with disseminated and spaced stringer sulphide <1%.	83179	957.0	960.0	3.0	70	14	.2	20	
965.0	968.0	Silicified zone with spaced sulphide veinlets, <1% sulphide.	83180	965.0	968.0	3.0	525	13	<.2	20	
968.0	971.5	Intensely silicified and sulphide rich zone, 2 to 10% disseminated or stringer, pyrite and rare chalcopryite with quartz-carbonate vein.	83181	968.0	971.5	3.5	6150	30	2.6	20	
971.5	975.0	Silicified zone with spaced sulphide veinlets, <1% sulphide.	83182	971.5	975.0	3.5	551	15	<.2	5	
975.0	978.0	Silicified zone and locally broken zone with sulphide rich veinlets, 1 to 3 % sulphide, pyrite and specks of chalcopryite.	83183	975.0	978.0	3.0	4330	14	.8	<5	
978.0	981.0	Silicified and chloritized with disseminated sulphide, 1 to 2%.	83184	978.0	981.0	3.0	198	14	<.2	20	
1009.5	1012.0	Contact of felsic dyke with disseminated pyrite and chalcopryite, 2 to 3%.	83185	1009.5	1012.0	2.5	1950	5	.2	40	
1012.0	1015.3	Contact of chalcopryite rich quartz vein, containing disseminated 1 to 2% sulphide.	83186	1012.0	1015.3	3.3	827	8	<.2	5	
1015.5	1018.0	Chalcopryite rich milky quartz vein over 20cm (60% cpy over 12 cm), and brecciated contact with 5 to 10% fine grained sulphide.	83187	1015.5	1018.0	2.5	<u>36400</u>	52	8.8	40	
1018.0	1023.0	Fine grained disseminated sulphide, 2 to 5% in silicified and chloritized zone in the fine grained diorite.	83188	1018.0	1023.0	5.0	981	12	.2	60	
1056.0	1058.0	Specks of chalcopryite with carbonate rich vein material, 1 to 2% sulphide.	83189	1056.0	1058.0	2.0	8380	20	.2	190	
1058.0	1061.0	Quartz-carbonate chlorite rich vein material associated a shear zone at 1060' over 1', with disseminated sulphide <1%.	83190	1058.0	1061.0	3.0	853	27	.2	20	
1071.0	1073.0	Chloritized diorite containing carbonate rich vein material and associated disseminated pyrite 1 to 2%.	83191	1071.0	1073.0	2.0	113	28	<.2	20	
1082.0	1085.5	Contact of felsic dyke with little disseminated sulphide, 1 to 2%, and some carbonate veinlets	83192	1082.0	1085.5	3.5	783	45	.2	40	
1085.5	1088.0	Gradual contact of beige felsic dyke with local disseminated sulphide, 1 to 2%.	83193	1085.5	1088.0	2.5	172	36	<.2	<5	
1096.0	1100.0	Beige to light grey felsic dyke with rare disseminated sulphide.	83194	1096.0	1100.0	4.0	87	7	<.2	<5	

HOLE # : 303-13

SAMPLE	FROM	TO	SI02	TIO2	Al2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	LOI	Total	Cu	Zn	Ag	Au	HAI	SR	AI	KR	VI	PI	AI/VI
	ft	ft	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppb							
79978	108	114	67.30	0.65	18.66	2.36	<0.01	4.90	0.30	0.62	2.28	0.13	4.27	101.08	36	23	<0.1	7	88	30	79	61	4	88	29
79979	128	138	72.16	0.85	19.52	0.44	<0.01	0.46	0.42	0.92	2.85	0.05	2.59	100.26	28	7	<0.1	10	71	21	76	80	1	33	23
79980	208	217	77.61	0.71	13.95	0.62	<0.01	1.21	0.26	0.51	1.46	0.09	2.79	99.21	8	10	<0.1	5	78	27	74	44	2	70	20
79981	250	260	77.41	0.74	17.23	0.26	<0.01	0.03	0.25	0.55	1.10	0.14	2.49	100.21	7	4	<0.1	<5	59	31	67	64	1	5	23
79982	341	345	51.60	0.83	12.30	9.28	0.18	9.96	4.56	0.11	0.05	0.29	9.87	99.03	101	78	0.3	<5	68	112	31	56	71	99	15
79983	362	371	74.47	0.79	16.25	0.59	<0.01	1.14	0.22	0.65	2.16	0.13	2.87	99.29	25	11	<0.1	6	79	25	77	69	2	64	21
79984	431	441	72.53	0.65	15.17	1.89	<0.01	3.24	0.17	0.54	2.03	0.09	3.15	99.47	16	14	<0.1	<5	88	28	79	53	3	86	23
79985	493	503	67.61	0.58	15.24	4.13	0.01	4.55	0.17	0.46	1.90	0.03	3.55	98.24	498	34	0.3	5	91	33	81	94	7	91	26
79986	588	598	69.94	0.54	14.34	4.29	0.01	3.22	0.48	0.51	1.86	<0.03	3.70	98.90	334	48	0.4	<5	84	28	78	87	9	86	27
79987	658	668	74.31	0.37	10.46	4.61	0.01	1.00	0.78	0.38	2.60	<0.03	4.17	98.69	195	21	0.5	22	76	28	87	90	6	72	28
79988	678	688	43.65	0.67	10.87	8.94	0.15	7.85	8.77	0.66	0.65	0.30	15.85	98.34	58	114	0.2	<5	47	16	50	34	17	92	16
79989	746	752	66.77	0.51	15.11	5.16	0.02	3.93	0.39	0.41	2.36	0.07	3.62	98.34	505	56	0.5	22	89	37	85	90	14	91	30
79990	753	761	76.39	0.51	16.67	0.53	<0.01	0.21	0.18	0.69	3.78	0.04	2.30	101.29	511	5	0.3	8	82	24	85	99	1	23	33
79991	788	797	73.51	0.49	12.60	4.97	0.02	2.84	0.17	0.41	1.91	0.05	3.56	100.52	21	43	<0.1	<5	89	31	82	33	10	87	26
79992	829	836	75.20	0.45	11.71	4.66	0.01	2.05	0.27	0.48	1.82	0.04	3.66	100.35	51	31	0.2	21	84	24	79	62	6	81	26
79993	860	869	75.78	0.45	10.94	6.07	<0.01	0.48	0.23	0.65	1.88	<0.03	3.66	100.13	199	11	0.8	22	73	17	74	95	2	42	24
79994	898	908	79.69	0.49	12.87	3.49	<0.01	0.02	0.08	0.32	0.41	0.05	3.19	100.60	194	5	0.4	59	52	40	56	97	2	6	26
79995	928	938	80.32	0.52	13.36	0.58	<0.01	0.15	0.16	0.81	2.56	0.05	1.88	100.39	146	3	0.2	9	74	16	76	98	0	16	26
79996	989	998	73.33	0.48	12.21	4.67	0.03	2.90	0.18	0.42	1.69	<0.03	3.45	99.37	92	34	<0.1	8	88	29	80	73	8	87	25
79997	1061	1071	73.11	0.49	12.66	5.89	0.04	3.08	0.20	0.34	2.01	0.08	3.65	101.55	32	62	0.2	17	90	37	86	34	18	90	26
79998	1131	1148	74.12	0.45	11.93	4.77	0.06	3.86	0.20	0.34	1.67	0.06	3.72	101.19	34	182	<0.1	<5	91	35	83	16	54	92	27
79999	1208	1218	47.10	0.61	12.37	8.67	0.16	6.88	7.47	3.70	0.30	0.31	13.02	100.60	45	125	<0.1	<5	39	3	8	26	3	65	20
80000	1236	1241	70.13	0.49	12.71	4.03	0.07	1.88	1.66	3.95	1.03	0.09	3.47	99.51	24	67	<0.1	<5	34	3	21	26	2	32	26

↑
DVC

HOLE NO.: 303-14

AUR RESOURCES INC.

DIAMOND DRILL LOG

PAGE: 1

PROJECT: COURAGEOUS
PROVINCE:
N.T.S.: 32 C/3
TOWNSHIP: Louvicourt
RANGE: VII
LOT No.: 45
CLAIM No.: 380358-3

COLLAR LOCATION

LOCAL GRID: 24+00N
48+00W
SURVEYED GRID:

Date started: July 3, 1990
Date completed: July 6, 1990
Core size: BQ
Drilled by: Forage Alexandre
Logged by: Dr. M.F. Taner, Geol.-Eng.

Collar dip: -50.0
Collar azimuth: 210.0
Collar elevation: 10000.0 feet
Total length: 1008.0 feet

Sample Numbers: 83275-83300; 83350-83355

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
68.0		-50.0	550.0		-48.0
100.0		-50.0	600.0		-48.0
150.0		-50.0	650.0		-47.0
200.0		-50.0	700.0		-47.0
250.0		-49.0	750.0		-46.0
300.0		-49.0	800.0		-46.0
350.0		-49.0	850.0		-46.0
400.0		-49.0	900.0		-46.0
450.0		-49.0	950.0		-45.0
500.0		-48.0	1008.0		-45.0

FOOTAGE

DESCRIPTION

From To

.0 68.0 OVERBURDEN
Casing left in the hole.

68.0 262.0 DIORITE

Typical fine grained, massive, dark to medium grey dioritic sequence. Beginning of the hole, ground water channel way alteration by oxidation (redish brown). Sequence was locally cut by quartz carbonate vein material with rare sulphide. Locally, medium to coarse grained tonalitic material occurs, may be explained by tonalitization of mafic dioritic rock. Local deformation with silicification and chloritization are also noted, some protomylonitic texture with local lamination, eg at 110' : 60 deg/ca.

68.0 85.0 Slightly broken core, with ground water channel way alteration and also weak chloritization.

85.5 Quartz vein, over 15 cm milky quartz vein with chlorite and intense visible hydrothermal alteration at the edge over 20 cm with carbonate rich alteration, contact: 65 deg/ca.

89.0 Quartz vein over 1', milky quartz vein with large visible alteration at the edge, intensely bleached zone over about 1' with very rare sulphide.

98.5 102.5 Quartz vein Highly oxidized quartz carbonate vein material, intensely altered and all

FOOTAGE
From To

DESCRIPTION

- sulphides were limonitized, and vuggy texture.
- 103.0 148.0 Protomylonitic texture, with quartz rich phenoclasts within intensely chloritized and silicified matrix, and weak lamination: 60 deg/ca.
- 83328 108 118 WRA, deformed and altered dioritic sequence with silicification and chloritization.
- 143.0 Intensely bleached zone with sericitization and silicification over 1', beige in colour.
- 148.0 262.0 Local tonalitization, coarse grained quartz rich felsic intrusive rock, contact is gradual. Also local intense silicification with weak bleaching and chloritization. Sequence is generally massive.
- 83329 168 178 WRA, silicified and weakly bleached dioritic sequence.
- 83330 204 210 WRA, tonalitic sequence.
- 262.0 358.0 DIORITE INTERMEDIATE VOLCANICS
- Fine grained, massive, medium to dark grey, locally highly altered (bleached), intermediate volcanic looking sequence, but some massive section is typical dioritic sequence. Locally was cut by felsic sericitized dyke material, Also some section containing protomylonitic texture with quartz phenoclasts within a chloritic matrix. And also local very weak mineralization, with disseminated or stringer pyrite veinlets accompanying quartz carbonate vein material, with local intense carbonate development.
- 262.0 276.0 Intensely laminated zone: 65 deg/ca. Local protomylonitic texture.
- 276.0 281.0 Beige, sericitized and silicified felsic dyke, with rare disseminated pyrite, sharp contact: 50 deg/ca at 281'.
- 283.0 297.0 A mylonitized zone with protomylonitic texture, with heavy chloritization and local carbonate development. Lamination: 65 deg/ca.
- 83331 288 298 WRA, mylonitized and chloritized zone with little sulphide.
- 299.0 301.0 Ground water channel way alteration zone, oxidized and broken core.
- 301.0 311.0 Intensely bleached zone, with silicification very local disseminated pyrite.
- 315.5 Narrow quartz carbonate vein over 0.5', contact: 45 deg/ca.
- 318.0 358.0 Massive dioritic sequence, less altered. 83332 338 348 WRA.
- 353.0 Quartz vein with carbonate over 0.5'. No visible associated sulphide.
- 358.0 411.0 ALTERED MINERALIZED ZONE
- Weakly mineralized zone with 1 to 3% disseminated pyrite and rare carbonate and sulphide rich, spaced veinlets. Also rare narrow milky quartz vein with carbonate and little sulphide with rare specks of chalcopryite. Mineralization in an intensely deformed zone, sequence intensely sheared and with protomylonitic texture. Two types of pyrite: (1) fine grained and disseminated in the matrix and (2) euhedral mm.ric pyrite crystals. In the sheared zone, rock is intensely silicified, also some weak chloritization. Protholith may be altered diorite or intermediate volcanic, as described below.
- 358.5 Quartz carbonate rich vein material with pyrite and specks of chalcopryite over 10 cm, vein: 60 deg/ca.
- 364.5 Quartz vein with carbonate and specks of chalcopryite 1 to 2%, over 10 cm, contact: 60 deg/ca.
- 366.0 376.0 Shear zone with protomylonitic texture and fine grained disseminated pyrite 2 to 3%, well lamination: 60 deg/ca.
- 83333 367 374 WRA, mylonitic with disseminated pyrite, sheared dioritic sequence.
- 381.0 Narrow quartz carbonate vein material with little sulphide, contact: 70 deg/ca.
- 393.5 Carbonate, sulphide rich vein material with pyrite and chalcopryite up to 5% over 1.5'.
- 398.0 401.0 Quartz-carbonate and sulphide rich vein material over 3', rare chalcopryite.

FOOTAGE From To	DESCRIPTION
411.0 1008.0	DIORITE INTERMEDIATE VOLCANICS Fine grained, massive, dark greenish grey, with local intensely silicified, chloritized or carbonatized zones. Any specific mineralization associated to this sequence. Local probable granitization or tonalitization with light grey and quartz rich sequence, also looks like trondjhemitic or tonalitic facies of the Bevecon batholith. A zone, intensely silicified, similar to silicified zone intersected in the hole 311-8 at the beginning of hole to about 730' in the trondjhemitic and dioritic sequence.
411.0 448.0	Highly chloritized and locally silicified zone, with local bleaching. At 426' over 5 cm, sulphide rich zone (up to 10%). At 439' carbonate rich veinlets. At 443'-445', a silicified weakly bleached zone.
83334 428 435	WRA, chloritized and weakly silicified dioritic sequence.
448.0 466.0	Intensely silicified zone with strong bleaching and local granitization with tonalite like rock. Broken core over 3'. Medium to fine grained and medium grey.
83335 358 365	WRA, granitized dioritic sequence.
466.0 509.0	Chloritized, fine grained, massive dioritic sequence. Local narrow quartz carbonate veine material, eg at 497.5' over 10 cm and bluish quartz eyes and local protomylonitic texture at 500 to 508'.
509.0	Quartz-carbonate vein material over 1.3' with little sulphide at the contact: 50 deg/ca.
511.0 567.0	Chloritized and weakly bleached by silicification and sericitization zone. Fine grained dioritic sequence Local carbonate rich spaced veinlets indicating also some carbonate alteration.
83336 528 538	WRA, chloritized fine grained dioritic sequence.
565.0 634.0	Granitized zone with tonalite like rock, medium grained, massive, quartz rich, intrusive looking sequence. Locally alternating chloritized fine grained dioritic sequence. At 604 to 634', silicification more intense.
83337 578 587	WRA, tonalite like intrusive rock.
634.0 692.0	Intense chloritization, rock becoming softer and also local silicification and carbonatization. Carbonate rich material all over the core, and very rare disseminated pyrite. Also local narrow granitized zones as above, eg at 657' and 660' over 1 to 2'. And local narrow carbonate quartz veins, eg at 669' over 0.3'.
83338 644 652	WRA, intensely chloritized dioritic sequence.
688.3 776.0	Again intensely chloritized, silicified and locally carbonatized zone, sequence weakly bleached and some silicified zone containing disseminated sulphide about 1%, eg at 724 to 727'.
83340 738 748	WRA, intensely chloritized, weakly silicified and also weak carbonatization; dioritic sequence.
692.0 698.3	DYKE Mafic dyke with sharp contact and chilled margins. Part of dyke swarm of the previous holes, same rock with intense chloritization. 83339 692 698 WRA.
776.0 815.0	Fine grained, with bluish quartz eyes, dioritic sequenc. Also looks like intermediate volcanic rock.
83341 798 808	WRA, chloritized with bluish quartz eyes dioritic sequence.
815.0 875.0	Locally granitized, and intensely silicified zone, also bluish quartz eyes. Local quartz carbonate rich vein material. At 874' over 1' quartz carbonate rich vein material, without sulphide.
83342 858 868	WRA, silicified and partially granitized dioritic sequence.
875.0 947.0	Fine grained, chloritized and weakly silicified dioritic sequence, with local rare, carbonate rich vein material. Very rare disseminated pyrite, <1%, associated intensely silicified and bleached zone.
83343 910 918	WRA, fine grained, silicified and chloritized dioritic sequence.
947.0 948.0	Mafic dyke with sharp contact: 70 deg/ca and chilled margins. Andesitic dyke.
948.0 1008.0	Intensely silicified and bleached zones alternating green chlorite rich volcanic looking rock containing locally bluish quartz eyes, and several narrow zones of

FOOTAGE		DESCRIPTION
From	To	
		quartz carbonate vein material zone. No notable sulphide mineralization associated to this sequence.
83344 968 978		WRA, silicified, and carbonatized volcanic rock looking sequence.
974.0		Quartz-carbonate vein over 1', no visible sulphide.
		All sequence, from 411 to 1008 looks like a hybrid zone where some granitization or tonalitization takes place. Some dominant secondary silicification or chloritization and locally carbonatization appear in this heterogeneous sequence.
1008.0		END OF HOLE

HOLE # : 303-14

SAMPLE	FROM ft	TO ft	SiO2 %	TiO2 %	Al2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	Total %	Cu ppm	Zn ppm	Ag ppm	Au ppb	HAI	SR	AI	KR	VI	PI	AI/VI
83328	168	118	58.49	0.62	14.64	5.29	0.09	2.62	4.34	3.76	1.50	0.11	7.48	98.94	12	134	<0.1	<5	34	4	29	8	4	41	24
83329	168	178	70.54	0.51	12.24	3.09	0.05	1.01	3.02	4.77	0.62	0.09	3.38	99.33	16	46	<0.1	<5	17	3	12	26	1	17	24
83330	204	210	67.11	0.63	13.77	2.63	0.05	1.62	3.17	5.54	0.51	0.17	4.15	99.34	58	45	<0.1	<5	20	2	8	56	1	23	22
83331	288	298	62.84	0.47	14.97	7.49	0.10	4.20	1.58	1.04	1.50	<0.03	5.36	99.55	279	269	0.4	9	69	14	59	51	26	80	32
83332	338	348	74.18	0.42	11.90	3.98	0.07	1.78	1.33	1.39	1.12	<0.03	3.96	100.13	39	262	0.2	9	52	9	45	13	19	56	28
83333	367	374	65.31	0.56	12.36	10.66	0.09	3.63	0.47	0.67	0.85	<0.03	4.67	99.27	536	406	1.4	46	80	18	56	57	61	84	22
83334	428	435	72.73	0.45	13.29	2.76	0.07	1.42	1.45	1.91	0.50	0.04	4.12	98.75	9	157	<0.1	<5	36	7	21	5	8	43	30
83335	458	465	65.73	0.76	14.21	4.13	0.07	1.51	3.61	4.68	0.84	0.15	6.10	101.78	14	75	<0.1	<5	22	3	15	16	2	24	19
83336	528	538	65.19	0.60	13.54	4.66	0.09	2.26	3.16	2.83	0.74	0.10	5.76	98.92	29	135	<0.1	<5	33	5	21	18	5	44	23
83337	578	587	64.40	0.75	13.53	1.77	0.06	2.58	3.74	4.49	0.58	0.15	6.81	98.85	26	91	<0.1	<5	28	3	11	22	2	36	18
83338	644	652	61.18	0.87	15.51	3.64	0.06	4.23	3.03	4.22	0.48	0.28	5.37	98.86	283	155	0.2	29	39	4	10	65	4	50	18
83339	692	698	46.32	0.77	11.27	8.67	0.12	8.59	8.49	1.25	0.08	0.26	12.43	98.26	78	140	<0.1	17	47	9	6	36	11	87	15
83340	738	748	59.73	0.92	14.82	3.69	0.05	3.49	4.05	3.81	0.81	0.12	6.57	98.06	194	51	0.2	20	35	4	18	79	1	48	16
83341	798	808	62.24	0.90	14.50	4.88	0.05	2.51	4.75	4.92	0.36	0.20	5.24	100.55	111	31	0.3	17	23	3	7	78	1	34	16
83342	858	868	63.45	0.91	15.30	2.40	0.05	3.18	2.57	4.56	1.04	0.21	5.02	98.68	9	47	<0.1	<5	37	3	19	16	1	41	17
83343	910	918	61.29	1.02	14.15	4.43	0.06	2.58	4.37	4.39	0.84	0.31	5.19	98.63	103	78	<0.1	236	28	3	16	57	2	37	14
83344	968	978	58.43	0.50	15.57	3.02	0.05	4.43	3.72	3.18	0.96	0.06	8.35	98.25	57	54	<0.1	13	44	5	23	51	2	58	31

HOLE NO.: 303-15

DIAMOND DRILL LOG

PROJECT: Courageous
 PROVINCE: Quebec
 N.T.S.: 32C/3
 TOWNSHIP: Louvicourt
 RANGE: VII
 LOT No.: 46
 CLAIM No.: ~~XXXXXX~~ / 3531153

COLLAR LOCATION

LOCAL GRID: 19+25 N
 3+00 W
 SURVEYED GRID:

Date started: August 27, 1991
 Date completed: August 30, 1991
 Core size: 80
 Drilled by: Forage Alexandre
 Logged by: Y. Buro

Collar dip: -45.0
 Collar azimuth: 195.0
 Collar elevation: 10000.0 feet
 Total length: 668.0 feet

Sample Numbers: 94701 - 94711

TESTS:

Depth Azimuth Dip Depth Azimuth Dip

FOOTAGE

DESCRIPTION

From To

TARGET : IP anomaly near the Lac de la Surprise Zone.

Hole abandoned at 659.0, due to rods broken at the bottom. Sand blocks hole at 400.0 feet.

.0	184.0	OVERBURDEN Casing pulled.
184.0	264.0	GRANODIORITE Strongly silicified, medium, light grey colour, with abundant iron staining. Strongly sheared. Major fault at 70 degrees to core axis. Non magnetic. 2 percent quartz-carbonate veins. 3 Percent disseminated, fine grained pyrite.
264.0	304.6	DYKE Mafic, fine grained. Sheared, chilled contacts at 45 degrees to core axis. Non magnetic. Moderate carbonate alteration.
304.6	608.3	GRANODIORITE Strongly silicified, medium to light grey. Generally coarse grained, fine grained locally. Weak to strong carbonate alteration. 3 percent quartz-carbonate veins. Moderate foliation at 50 degrees to core axis. Strongly fractured, particularly near a fault at 60 degrees to core axis. Non magnetic. 3 percent fine grained, disseminated pyrite. Occasionally, very large cubes.

HOLE NO.: 303-15

FOOTAGE		DESCRIPTION
From	To	
383.0	432.0	Fault, at 60 degrees to core axis.
526.3	527.0	Quartz-carbonate vein.
539.7	544.4	Shear, strong, at 60 degrees to core axis. Quartz, carbonate, chlorite. 2 percent pyrite. Quartz, carbonate, chalcopyrite veinlets.
564.5	572.0	Intense silicification, imparting a normanite aspect to the rock.
572.0	608.3	Moderate chlorite alteration.
608.3	621.0	DIORITE Fine grained, dark grey, silicified DIORITE. Sheared, chloritic. Non magnetic, with 5 percent quartz-carbonate veins. 2 Percent fine grained pyrite.
621.0	668.0	GRANDIORITE Similar to the unit at 304.6 608.3.
621.0	624.5	Shear at 70 degrees to core axis, moderate, with carbonate, chlorite.
655.0	659.0	Shear at 60 degrees to core axis, moderate.
668.0		END OF HOLE

HOLE # : 303-15

SAMPLE	FROM ft	TO ft	SiO2 %	TiO2 %	Al2O3 %	FeOT %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	Total %	Cu ppm	Zn ppm	Ag ppm	Au ppb	HA1	SR	AI	NR	VI	PI	AI/TI
92936	208	218	68.00	0.81	15.95	2.81	0.02	2.06	0.90	1.95	2.04	0.02	3.54	98.10	98	106	0.2	7	59	8	51	48	5	51	20
92937	293	303	41.80	0.56	9.37	8.92	0.17	11.10	11.50	0.03	0.03	<0.01	15.40	98.88	47	72	0.2	65	49	312	50	39	240	100	17
92938	398	408	60.43	0.85	17.86	5.39	0.03	4.74	0.93	2.40	1.52	0.08	4.38	98.62	819	37	0.2	10	65	7	39	96	2	66	21
92939	498	508	62.47	0.81	17.64	3.31	0.03	4.04	2.28	3.88	1.50	0.14	4.12	100.21	423	51	<0.1	7	47	5	28	89	1	51	22
92940	598	608	63.32	0.71	16.34	4.31	0.05	4.29	2.11	4.37	0.88	0.10	3.68	100.16	710	45	0.1	35	44	4	17	94	1	50	23

HOLE NO.: 303-16

DIAMOND DRILL LOG

PROJECT: Courageous
 PROVINCE: Quebec
 N.T.S.: 32C/3
 TOWNSHIP: Louvicourt
 RANGE: VI
 LOT No.: 54
 CLAIM No.: ~~13531153~~ / 13531153

COLLAR LOCATION

LOCAL GRID: 15+80 N
 4+00 W
 SURVEYED GRID:

Date started: September 3, 1991
 Date completed: September 4, 1991
 Core size: BQ
 Drilled by: Forage Benoit
 Logged by: Y. Buro

Collar dip: -45.0
 Collar azimuth: 195.0
 Collar elevation: 10000.0 feet
 Total length: 908.0 feet

Sample Numbers: 94712 - 94744

TESTS:

Depth	Azimuth	Dip	Depth	Azimuth	Dip
100.0		-45.0	600.0		-45.0
200.0		-45.0	700.0		-45.0
300.0		-45.0	800.0		-43.0
400.0		-45.0	900.0		-42.0
500.0		-45.0			

FOOTAGE

DESCRIPTION

From To

TARGET : IP anomaly near the Lac de la Surprise Zone.

.0 212.0 OVERBURDEN
 Casing left in the hole.

212.0 446.0 GRANODIORITE
 Strongly silicified, moderately sheared at 50 degrees to core axis. Light grey, blueish.
 Non magnetic. Weak carbonate alteration. Moderate chloritic alteration, locally.
 Widespread very fine grained pyrite disseminated. Locally 5 to 10 percent medium grained pyrite, chalcopyrite, disseminated or as stringers.
 1 to 5 fractures per foot, at 60 degrees to core axis.
 2 Percent quartz-carbonate veins.

226.0 229.0 Shear, moderate, at 50 degrees to core axis.
 281.0 284.0 Shear, moderate, at 60 degrees to core axis, with iron staining.
 307.5 310.5 Shear, strong, at 40 degrees to core axis, with fault gouge.
 331.0 341.5 Shear, moderate, at 70 degrees to core axis, with chlorite, epidote.
 383.0 446.0 Slightly darker grey coloured granodiorite, possibly caused by apparent moderate chlorite, epidote alteration.
 387.0 392.7 Shear, moderate, at 60 degrees to core axis. 15 percent fine grained pyrite, chalcopyrite.

HOLE NO.: 303-16

FOOTAGE		DESCRIPTION
From	To	
	409.0 415.1	Shear, strong at 40 to 65 degrees to core axis. Strong chlorite, epidote, carbonate alteration. 4 percent fine grained pyrite. Non magnetic.
446.0	518.0	DIORITE Intermixed coarse grained granodiorite, fine grained DIORITE. All are dark grey, with moderate epidote, chlorite alteration. The mafic minerals of the coarse grained granodiorite are completely altered by epidote. 5 percent quartz-carbonate veins. 2 percent disseminated and stringers pyrite, chalcopyrite. Non magnetic. Moderately sheared at 40 degrees to core axis.
518.0	588.7	DIORITE Dark grey, fine grained, massive to weakly sheared at 50 degrees to core axis. Moderate chloritic alteration. 10 percent quartz-carbonate veins. 2 percent pyrite, chalcopyrite, disseminated and stringers at 30 degrees to core axis. Non magnetic.
	536.2 541.1	Quartz vein. 70 percent quartz-carbonate veins, with tourmaline, chlorite, 1 percent fine grained pyrite. At 60 degrees to core axis. Sheared DIORITE, with 3 percent pyrite.
	547.0 552.2	Quartz vein, at 60 degrees to core axis. White quartz, with carbonate, chlorite.
	560.0 564.5	Shear, moderate, at 60 degrees to core axis.
	578.0 579.0	Shear, weak, at 65 degrees to core axis.
586.7	627.8	FELDSPAR PORPHYRY Medium grained, porphyritic, medium grey. Light grey, green matrix. Contacts with chilled margin at 40 degrees to core axis. Non magnetic.
627.8	672.3	GRANDIORITE Strongly silicified, strongly sheared at 60 degrees to core axis. Hosts a few sections of fine grained DIORITE. 5 percent pyrite locally.
	640.6 644.0	Strongly silicified zone. Quartz flooding, with chlorite, epidote.
672.3	731.2	ALTERED AND SILICIFIED ZONE The aluminosilicate zone described in previous holes. Grey, beige. Massive to strongly sheared at 50 degrees to core axis. Locally brecciated. Intensely sericitized and silicified. Locally rich in phyllosilicate. Weak carbonate alteration. Traces of sulphides observed. Sharp contacts, sheared at 50 degrees to core axis.
	688.8 690.9	Dyke. Mafic dyke at 40 degrees to core axis. Fine grained. Non magnetic. With strong carbonate alteration.
	696.5 700.3	Dyke. As above.
731.2	879.0	GRANDIORITE Pervasively silicified granodiorite, moderately sheared at 50 degrees to core axis. Light grey. Moderate chloritic alteration, commonly hosted in micro-shears. Weak carbonate alteration. 5 percent quartz-carbonate veins.

HOLE NO.: 303-16

FOOTAGE		DESCRIPTION
From	To	
		Non magnetic. 5 percent chalcopyrite, pyrite in places. Hosts a few sections of fine grained DIORITE.
810.0	815.5	Very strongly altered mafic, porphyritic material, possibly a dyke. Sharp contacts at 60 degrees to core axis.
811.9	814.3	Very strongly silicified, sheared material, with quartz, carbonate, chlorite, fuchsite, 10 percent chalcopyrite, pyrite.
833.5	838.2	Shear, strong, at 55 degrees to core axis.
857.0	860.0	Shear, strong, at 55 degrees to core axis.
879.0	887.4	INTERMEDIATE VOLCANICS Light grey, strongly silicified, bleached rock of probable volcanic origin. strongly sheared. 1 percent pyrite, chalcopyrite.
887.4	902.5	FELDSPAR PORPHYRY Similar to that described at 588.7-627.8. Sheared, silicified contacts.
902.5	908.0	DIORITE Grey, fine grained.
908.0		END OF HOLE

HOLE NO.: AR303-16

ASSAY SAMPLE REPORT

NORTHING: 15+80 N
 EASTING: 4+00 W
 ELEVATION: 10000.00

AZIMUTH: 195
 DIP: -45

FOOTAGE		DESCRIPTION	SAMPLE NUMBER	FROM (ft)	TO (ft)	LENGTH (ft)	CU PPM	ZN PPM	AG PPM	AU PPB
From	To									
.0	212.0	OVERBURDEN								
212.0	446.0	GRANODIORITE								
216.8	221.8	Silicified granodiorite. 5 percent fine grained pyrite, chalcopyrite.	94712	216.8	221.8	5.0	550	n/a	n/a	34
320.3	325.8	As above.	94713	320.8	325.8	5.0	1110	n/a	n/a	68
369.8	374.8	Silicified granodiorite, blue quartz, brecciated, chloritic. 3 percent medium grained pyrite, chalcopyrite.	94714	369.8	374.8	5.0	900	n/a	n/a	<5
383.7	388.7	Silicified granodiorite. 5 percent quartz-carbonate veins. 10 percent medium grained pyrite, chalcopyrite. Non magnetic.	94715	383.7	388.7	5.0	182	n/a	n/a	171
388.7	392.6	Silicified granodiorite. 10 percent quartz-carbonate veins. 20 percent medium grained pyrite, chalcopyrite. Non magnetic.	94716	388.7	392.6	3.9	360	n/a	n/a	102
392.6	396.6	Silicified granodiorite. Chloritic alteration. 5 percent pyrite, disseminated and stringers.	94717	392.6	396.6	4.0	140	n/a	n/a	68
399.0	404.0	Silicified granodiorite. 5 percent quartz-carbonate veins. 5 percent fine grained pyrite.	94718	399.0	404.0	5.0	80	n/a	n/a	34
404.0	409.0	As above. Sheared, fault gouge.	94719	404.0	409.0	5.0	160	n/a	n/a	<5
409.0	415.1	Shear. Strong chlorite, epidote, carbonate alteration. 4 percent fine grained pyrite.	94720	409.0	415.1	6.1	590	n/a	n/a	34
415.1	420.1	Silicified granodiorite. 20 percent fine grained pyrite, chalcopyrite, disseminated and stringers.	94721	415.1	420.1	5.0	3930	n/a	n/a	102
420.1	425.1	Silicified granodiorite. 10 percent blue quartz flooding. 5 percent pyrite. Trace chalcopyrite.	94722	420.1	425.1	5.0	470	n/a	n/a	34
446.0	518.0	DIORITE								
497.8	502.8	DIORITE. 5 percent pyrite, disseminated and stringers.	94723	497.8	502.8	5.0	50	30	<5.0	<5
502.8	507.8	As above. DIORITE, granodiorite.	94724	502.8	507.8	5.0	12	40	<5.0	<5
518.0	588.7	DIORITE								
518.0	521.2	DIORITE. 10 percent chalcopyrite, pyrite.	94725	518.0	521.2	3.2	14000	40	<5.0	308
521.2	526.2	DIORITE, 5 percent pyrite, chalcopyrite.	94726	521.2	526.2	5.0	900	40	<5.0	68
526.2	531.2	As above.	94727	526.2	531.2	5.0	170	40	<5.0	34
531.2	536.2	As above.	94728	531.2	536.2	5.0	160	30	<5.0	<5
536.2	541.1	Quartz-carbonate veins. Shear. 1 percent pyrite	94729	536.2	541.1	4.9	60	30	<5.0	68
541.1	547.0	3 percent pyrite, chalcopyrite, disseminated and stringers.	94730	541.1	547.0	5.9	220	40	<5.0	<5
547.0	552.2	Quartz vein, chlorite, carbonate.	94731	547.0	552.2	5.2	30	20	<5.0	<5
552.2	555.6	Granodiorite. Quartz-carbonate veins. 5 percent pyrite, chalcopyrite.	94732	552.2	555.6	3.4	190	20	<5.0	<5

588.7 627.8 FELDSPAR PORPHYRY

HOLE # : 303-16

SAMPLE	FROM ft	TO ft	SiO2 %	TiO2 %	Al2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	LOI %	Total %	Cu ppm	Zn ppm	Ag ppm	Au ppb	HAI	SR	AI	HR	VI	PI	AI/TI
92941	230	240	64.81	0.75	15.74	4.95	0.04	4.43	1.27	3.09	1.39	0.03	3.89	100.39	1272	47	0.4	698	57	5	31	96	2	59	21
92942	308	318	65.38	0.74	14.22	3.01	0.04	3.50	2.81	3.51	1.17	0.12	4.62	99.13	151	31	0.3	6	42	4	25	83	1	50	19
92943	428	438	66.95	0.68	14.34	5.17	0.06	4.12	1.40	2.56	1.54	<0.01	3.47	100.30	723	66	3.2	90	59	6	38	92	3	62	21
92944	508	518	61.63	0.49	14.87	5.40	0.07	3.70	3.36	2.42	1.43	0.06	4.91	98.33	50	55	0.2	6	47	6	37	48	2	60	30
92945	628	638	68.38	0.84	15.55	3.31	0.03	3.50	1.01	3.52	1.60	0.13	2.99	100.86	25	84	0.3	9	53	4	31	23	2	50	19
92946	718	728	62.76	0.56	17.80	0.68	0.02	3.28	1.90	4.47	1.85	0.11	4.36	97.79	3	21	<0.1	<5	45	4	29	13	0	42	32
92947	798	808	70.70	0.58	13.59	2.08	0.03	3.17	1.66	1.04	2.42	0.12	4.09	99.48	9	31	0.3	<5	67	13	70	23	3	75	23

PROJECT: Courageous
 PROVINCE: Quebec
 N.T.S.: 32C/3
 TOWNSHIP: Leauvicourt
 RANGE: VI
 LOT No.: 55
 CLAIM No.: 353116-1

COLLAR LOCATION
 LOCAL GRID: 8+20N
 SURVEYED GRID: ~~7+100E~~ 2+00E
 8+20N
 1+45E

Date started: September 5, 1991
 Date completed: September 10, 1991
 Core size: 29
 Drilled by: Forage Benoit
 Logged by: Y. Suro

Collar dip: -45.0
 Collar azimuth: ~~100~~ 176°
 Collar elevation: 10000.0 feet
 Total length: 832.0 feet
 Sample Numbers: 94745 - 94782

TESTS:					
Depth	Azimuth	Dip	Depth	Azimuth	Dip
100.0		-42.0	500.0		-34.0
200.0		-41.0	600.0		-31.0
300.0		-38.0	700.0		-29.0
400.0		-36.0	800.0		-29.0

FOOTAGE DESCRIPTION
 From To

TARGET : broad IP anomaly near the SE Courageous-Mainstreet properties boundary.
 Note Line 2+00E IS NOT NS (176°)

.0 132.0 OVERBURDEN
 Casing left in the hole.

132.0 279.3 ALTERED AND SILICIFIED ZONE
 DIORITE, fine grained, light grey very strongly silicified, rich in sericite. No carbonate alteration. Black chloritic alteration locally.
 Moderately foliated at 50 degrees to core axis. 5 percent elongate pyrite clots imparting a mottled appearance to the rock.
 Massive pyrite bands locally. Non magnetic.

159.0 160.5 Quartz-carbonate veins. 20 percent pyrite. Vuggy. Iron staining.
 213.3 213.7 Shear, at 90 degrees to core axis. Carbonate, 10 percent pyrite.
 237.3 238.1 Shear at 70 degrees to core axis. Carbonate, sericite.
 252.5 264.6 Mafic dyke. Medium grained, green. Strongly foliated at 55 degrees to core axis. Non magnetic. Rich in carbonate.

279.3 322.0 DIORITE
 Medium grained, medium grey, non magnetic. No carbonate alteration.
 5 Percent pyrite, disseminated and in stringers or massive, narrow bands. Minor chalcopyrite.

HOLE NO.: 303-17

FOOTAGE
 From To

DESCRIPTION

Weak foliation and pyrite stringers at 50, 70 degrees to core axis.
 5 Percent quartz-carbonate veins.

322.0 370.0 ALTERED AND SILICIFIED ZONE

Very strongly silicified DIORITE, similar to that at 132.0-279.3.
 5 Percent pyrite, minor chalcopyrite. Moderate chloritic alteration with strong carbonate, black chlorite, pyrite in narrow sections, at 65 degrees to core axis.

362.0 363.0 Mafic dyke, at 50 degrees to core axis.
 70 Percent DIORITE intermixed with very strongly silicified granodiorite.
 367.0 368.0 Shear, strong, at 70 degrees to core axis.

370.0 447.5 DIORITE

Pyrite does not commonly occur in bands, as in the previously described unit.

423.3 429.0 QUARTZ-FELDSPAR PORPHYRY dyke, strongly sheared at 60 degrees to core axis. Chilled margins observed.

441.8 447.5 Shear. QUARTZ-FELDSPAR PORPHYRY dyke, 0.8 foot wide, strongly sheared at 70 degrees to core axis.

447.5 832.0 DIORITE

Darker grey coloured, lower percentage of pyrite than in the previous units.
 3 Percent pyrite, trace chalcopyrite. Moderate black chloritic alteration.
 Hosts a few sections of massive, coarse grained, chloritic granodiorite.
 Non magnetic.

456.0 470.0 Shear, strong at 70 degrees to core axis. With sericite, carbonate, 5 percent pyrite, trace chalcopyrite.

565.0 567.2 Dyke. Mafic dyke, sheared at 65 degrees to core axis.

581.2 586.8 Quartz veins. Quartz, chlorite veins, at 60 degrees to core axis. 2 percent fine grained pyrite in DIORITE.

589.0 596.8 Dyke. Mafic dyke, at 40 degrees to core axis. Green, medium grained. Non magnetic.

617.3 621.1 Dyke. Mafic dyke, green, medium grained. Non magnetic.

718.1 725.2 Shear. Shear at 70 degrees to core axis. Silicified zone. Quartz-carbonate veins. 5 percent pyrite, trace chalcopyrite.

799.4 813.0 Fault, weak, at 80 degrees to core axis.

832.0

END OF HOLE

HOLE NO. : AR303-17

 ~~~~~  
 ASSAY SAMPLE REPORT

 NORTHING : 8+20N  
 EASTING : 2+00 W  
 ELEVATION : 10000.00

 AZIMUTH : 180  
 DIP : -45

| FOOTAGE |       | DESCRIPTION                 | SAMPLE NUMBER                                                                                       | FROM (ft)                                              | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |     |    |
|---------|-------|-----------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------|-------------|--------|--------|--------|--------|-----|----|
| From    | To    |                             |                                                                                                     |                                                        |         |             |        |        |        |        |     |    |
| .0      | 132.0 | OVERBURDEN                  |                                                                                                     |                                                        |         |             |        |        |        |        |     |    |
| 132.0   | 279.3 | ALTERED AND SILICIFIED ZONE |                                                                                                     |                                                        |         |             |        |        |        |        |     |    |
|         | 159.0 | 160.5                       | 20                                                                                                  | percent pyrite. Quartz-carbonate veins. Iron staining. | 94745   | 159.0       | 160.5  | 1.5    | 18     | 58     | .4  | 10 |
|         | 239.7 | 243.8                       | Silicified DIORITE. 10 percent pyrite, chalcopyrite. Black chlorite.                                | 94746                                                  | 239.7   | 243.8       | 4.1    | 14     | 9      | <.2    | <5  |    |
|         | 243.8 | 247.6                       | Silicified DIORITE. 5 percent pyrite clots.                                                         | 94747                                                  | 243.8   | 247.6       | 3.8    | 153    | 17     | <.2    | <5  |    |
|         | 247.6 | 248.6                       | Silicified DIORITE. Semi massive pyrite, chalcopyrite bands. Carbonate.                             | 94748                                                  | 247.6   | 248.6       | 1.0    | 52     | 20     | 1.0    | 635 |    |
|         | 248.6 | 252.6                       | Silicified DIORITE. 3 percent fine grained pyrite, chalcopyrite.                                    | 94749                                                  | 248.6   | 252.6       | 4.0    | 13     | 16     | <.2    | <5  |    |
| 279.3   | 322.0 | DIORITE                     |                                                                                                     |                                                        |         |             |        |        |        |        |     |    |
|         | 279.3 | 284.2                       | Sheared, chloritic DIORITE. 5 percent quartz-carbonate veins. 10 percent pyrite, rare chalcopyrite. | 94750                                                  | 279.3   | 284.2       | 4.9    | 111    | 46     | .2     | 15  |    |
|         | 284.2 | 287.8                       | Silicified DIORITE. 5 percent stretched pyrite clots. Rare chalcopyrite.                            | 94751                                                  | 284.2   | 287.8       | 3.6    | 205    | 21     | <.2    | 235 |    |
|         | 287.8 | 291.5                       | Strongly chloritic, altered DIORITE. 20 percent chalcopyrite, pyrite.                               | 94752                                                  | 287.8   | 291.5       | 3.7    | 673    | 49     | .8     | 265 |    |
|         | 291.5 | 296.5                       | DIORITE. 5 percent pyrite, rare chalcopyrite.                                                       | 94753                                                  | 291.5   | 296.5       | 5.0    | 20     | 10     | <.2    | 5   |    |
|         | 296.5 | 300.5                       | Silicified granodiorite. 10 percent pyrite, rare chalcopyrite.                                      | 94754                                                  | 296.5   | 300.5       | 4.0    | 86     | 22     | <.2    | <5  |    |
|         | 300.5 | 303.6                       | DIORITE. 5 percent pyrite, rare chalcopyrite.                                                       | 94755                                                  | 300.5   | 303.6       | 3.1    | 80     | 25     | <.2    | <5  |    |
|         | 303.6 | 306.6                       | Strongly silicified DIORITE. 15 percent pyrite, rare chalcopyrite.                                  | 94756                                                  | 303.6   | 306.6       | 3.0    | 862    | 23     | .2     | 15  |    |
|         | 306.6 | 309.0                       | DIORITE. 5 percent pyrite, chalcopyrite.                                                            | 94757                                                  | 306.6   | 309.0       | 2.4    | 57     | 26     | <.2    | 5   |    |
|         | 309.0 | 312.2                       | As above. 1-inch quartz vein with 10 percent chalcopyrite.                                          | 94758                                                  | 309.0   | 312.2       | 3.2    | 1895   | 15     | .2     | 30  |    |
|         | 312.2 | 313.2                       | Sheared DIORITE. Carbonate, chlorite. 15 percent pyrite, chalcopyrite.                              | 94759                                                  | 312.2   | 313.2       | 1.0    | 77     | 27     | 1.0    | 465 |    |
|         | 313.2 | 317.2                       | DIORITE, 10 percent chalcopyrite, pyrite.                                                           | 94760                                                  | 313.2   | 317.2       | 4.0    | 130    | 22     | <.2    | <5  |    |
| 322.0   | 370.0 | ALTERED AND SILICIFIED ZONE |                                                                                                     |                                                        |         |             |        |        |        |        |     |    |
|         | 332.3 | 335.3                       | Silicified DIORITE, 3 percent pyrite.                                                               | 94761                                                  | 332.3   | 335.3       | 3.0    | 12     | 18     | <.2    | <5  |    |
|         | 335.3 | 336.8                       | Silicified DIORITE. Semi-massive pyrite bands. Chlorite. 10 percent quartz-carbonate veins.         | 94762                                                  | 335.3   | 336.8       | 1.5    | 10     | 14     | .2     | 135 |    |
|         | 336.8 | 339.9                       | Silicified DIORITE. 2 percent pyrite.                                                               | 94763                                                  | 336.8   | 339.9       | 3.1    | 12     | 10     | <.2    | <5  |    |
|         | 339.9 | 341.5                       | Silicified DIORITE. Strong chloritic alteration. 5 percent carbonate. 10 percent pyrite.            | 94764                                                  | 339.9   | 341.5       | 1.6    | 14     | 17     | <.2    | 100 |    |
|         | 341.5 | 346.5                       | Silicified DIORITE. 3 percent pyrite, rare chalcopyrite.                                            | 94765                                                  | 341.5   | 346.5       | 5.0    | 17     | 15     | <.2    | <5  |    |
|         | 353.0 | 354.9                       | Sheared DIORITE. 20 percent quartz-carbonate veins. 20 percent pyrite, rare chalcopyrite.           | 94766                                                  | 353.0   | 354.9       | 1.9    | 16     | 11     | .4     | <5  |    |
|         | 354.9 | 359.2                       | Silicified DIORITE. Chlorite. 10 percent                                                            | 94767                                                  | 354.9   | 359.2       | 4.3    | 18     | 9      | <.2    | <5  |    |



## HOLE I : 303-17

| SAMPLE | FROM<br>ft | TO<br>ft | SiO2<br>% | TiO2<br>% | Al2O3<br>% | FeO<br>% | MnO<br>% | MgO<br>% | CaO<br>% | Na2O<br>% | K2O<br>% | P2O5<br>% | LOI<br>% | Total<br>% | Cu<br>ppm | Zn<br>ppm | Ag<br>ppm | Au<br>ppb | HAI | SR | AI | MR | VI | PI | AI/TI |
|--------|------------|----------|-----------|-----------|------------|----------|----------|----------|----------|-----------|----------|-----------|----------|------------|-----------|-----------|-----------|-----------|-----|----|----|----|----|----|-------|
| 92948  | 138        | 148      | 74.98     | 0.44      | 11.63      | 1.26     | 0.03     | 1.46     | 1.58     | 1.00      | 1.84     | 0.11      | 3.60     | 97.92      | 5         | 17        | 0.2       | <5        | 56  | 12 | 65 | 23 | 2  | 59 | 26    |
| 92949  | 208        | 218      | 73.74     | 0.41      | 11.21      | 3.12     | 0.03     | 1.60     | 1.74     | 1.21      | 1.62     | 0.04      | 3.94     | 98.66      | 10        | 19        | <0.1      | <5        | 52  | 9  | 57 | 34 | 2  | 57 | 27    |
| 92950  | 323        | 333      | 65.94     | 0.47      | 13.00      | 3.98     | 0.06     | 4.04     | 2.71     | 1.50      | 1.65     | 0.12      | 5.77     | 99.23      | 8         | 37        | 0.2       | 17        | 57  | 9  | 52 | 18 | 2  | 73 | 28    |
| 92951  | 413        | 423      | 64.69     | 0.50      | 13.64      | 5.20     | 0.04     | 3.86     | 2.45     | 1.31      | 1.41     | <0.01     | 5.79     | 98.89      | 9         | 31        | 0.4       | <5        | 58  | 10 | 52 | 23 | 2  | 75 | 27    |
| 92952  | 518        | 528      | 64.36     | 0.72      | 13.39      | 6.18     | 0.06     | 3.45     | 3.00     | 2.24      | 0.76     | 0.12      | 4.76     | 99.04      | 25        | 37        | 0.3       | <5        | 45  | 6  | 25 | 40 | 2  | 61 | 19    |
| 92953  | 607        | 617      | 55.50     | 0.40      | 16.28      | 7.35     | 0.11     | 4.69     | 3.71     | 1.88      | 2.14     | 0.05      | 6.52     | 98.63      | 36        | 48        | 0.6       | <5        | 55  | 9  | 53 | 43 | 3  | 71 | 41    |
| 92954  | 698        | 708      | 65.19     | 0.74      | 13.80      | 6.42     | 0.07     | 2.69     | 3.59     | 2.36      | 0.83     | 0.12      | 4.89     | 100.91     | 86        | 41        | 0.6       | 31        | 36  | 5  | 24 | 68 | 2  | 51 | 19    |

PROJECT: Courageous  
 PROVINCE: Quebec  
 N.T.S.: 32C/3  
 TOWNSHIP: Louvicourt  
 RANGE: VI  
 LOT No.: 55  
 CLAIM No.: 353116-1

COLLAR LOCATION

LOCAL GRID: 2+45N  
~~3+50E~~ 2+00E  
 SURVEYED GRID: 2+45N  
 H88E

Date started: September 10, 1991  
 Date completed: September 13, 1991  
 Core size: 60  
 Drilled by: Forage Benoit  
 Logged by: Y. Buro

Collar dip: -45.0  
 Collar azimuth: ~~180~~ 176°  
 Collar elevation: 10000.0 feet  
 Total length: 1138.0 feet

Sample Numbers: 94783 - 94885 and 94922 - 94923

TESTS:

| Depth | Azimuth | Dip   | Depth  | Azimuth | Dip   |
|-------|---------|-------|--------|---------|-------|
| 100.0 |         | -44.0 | 700.0  |         | -41.0 |
| 200.0 |         | -44.0 | 800.0  |         | -39.0 |
| 300.0 |         | -43.0 | 900.0  |         | -38.0 |
| 400.0 |         | -43.0 | 1000.0 |         | -37.0 |
| 500.0 |         | -42.0 | 1100.0 |         | -34.0 |
| 600.0 |         | -41.0 |        |         |       |

FOOTAGE

DESCRIPTION

From To

TARGET : broad IP anomaly near the SE Courageous-Mainstreet properties boundary.

.0 34.0 OVERBURDEN

Casing left in the hole.

34.0 74.3 DIORITE

Strongly silicified DIORITE, light grey. 5 percent pyrite, trace pyrrhotite. 10 percent quartz-carbonate veins. Strongly fractured, at 70 degrees to core axis.

37.6 45.3 QUARTZ-FELDSPAR PORPHYRY dyke, at 60, 75 degrees to core axis. Moderately sheared.

56.7 62.7 QUARTZ-FELDSPAR PORPHYRY dyke at 40 degrees to core axis.

62.7 69.5 Quartz-carbonate veins. Sheared at 75 degrees to core axis. 5 percent pyrite, pyrrhotite.

74.3 155.5 GRANODIORITE

Medium to dark grey, allotriomorphic, strongly chloritic. Hosts 40% of silicified DIORITE.

5 Percent pyrite, pyrrhotite, trace chalcopyrite, along threads, carbonate-chlorite filled fractures or with black chlorite. 5 percent quartz-carbonate veins.

103.0 106.5 QUARTZ-FELDSPAR PORPHYRY dyke. Coarse grained, possibly granodiorite. 4 percent



HOLE NO.: 303-18

| FOOTAGE |       | DESCRIPTION                                                                                                                                                                                                                                                                                                                          |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From    | To    |                                                                                                                                                                                                                                                                                                                                      |
|         |       | pyrrhotite, chalcopyrite, pyrite.                                                                                                                                                                                                                                                                                                    |
| 129.2   | 130.6 | Quartz vein, at 40 degrees to core axis, with 5 percent medium grained pyrite.                                                                                                                                                                                                                                                       |
| 155.5   | 223.5 | GRANODIORITE<br>Medium grey granodiorite, allotriomorphic, chloritic. More homogeneous than the previous unit, with fewer silicified DIORITE sections. 5 percent quartz-carbonate veins. 5 percent pyrite, trace pyrrhotite.                                                                                                         |
| 184.0   | 186.9 | Shear at 60 degrees to core axis. Quartz-carbonate vein. Chlorite. 5 percent pyrite.                                                                                                                                                                                                                                                 |
| 223.5   | 296.0 | DIORITE<br>Light grey, medium grained, silicified DIORITE, with 40 percent dark grey, chloritic DIORITE. A few sections of strongly silicified granodiorite are also present. 5 percent quartz-carbonate veins. Black chloritic alteration, along bands or patchy. 3 percent pyrite, locally pyrrhotite, chalcopyrite. Non magnetic. |
| 287.0   | 291.5 | Quartz vein, grey, beige, sericite. Tourmaline threads. Sheared at 70 degrees to core axis. 1 percent pyrite.                                                                                                                                                                                                                        |
| 294.1   | 296.0 | Shear, strong at 50 degrees to core axis, with quartz-carbonate veins, 5 percent pyrite                                                                                                                                                                                                                                              |
| 296.0   | 325.5 | DIORITE<br>Fine grained, dark grey, chloritic DIORITE. 5 percent quartz-carbonate veins. 3 percent pyrite.                                                                                                                                                                                                                           |
| 325.5   | 473.0 | GRANODIORITE<br>Dark grey, coarse grained, very strongly altered, chloritic granodiorite, with frequent sections of medium grained, altered DIORITE. 5 percent quartz-carbonate veins. 5 percent pyrite, massive chalcopyrite locally. Weak schistosity at 50 degrees to core axis. Non magnetic.                                    |
| 367.0   | 368.4 | Quartz-carbonate vein, shear at 70 degrees to core axis.                                                                                                                                                                                                                                                                             |
| 383.3   | 383.7 | Chalcopyrite, massive, in quartz-carbonate vein at 45 degrees to core axis.                                                                                                                                                                                                                                                          |
| 387.3   | 388.6 | Chalcopyrite. 20 percent coarse grained chalcopyrite, 10 percent pyrite, trace pyrrhotite in quartz-carbonate veins.                                                                                                                                                                                                                 |
| 429.8   | 437.5 | Shear, moderate, at 70 degrees to core axis, with quartz-carbonate veins, 5 percent pyrite.                                                                                                                                                                                                                                          |
| 473.0   | 596.0 | DIORITE<br>Grey, fine grained. Chloritic. Strongly altered. Rich in carbonate. 3 percent disseminated pyrite, trace pyrrhotite. Characteristic silicification along quartz stringers with ladder micro-fractures filled with carbonate.                                                                                              |
| 505.5   | 514.5 | Quartz-carbonate veins at 40 degrees to core axis, 5 percent pyrite. Moderately sheared. Silicification.                                                                                                                                                                                                                             |
| 527.7   | 530.1 | Quartz-carbonate veins, silicified DIORITE. 2 percent pyrite, chalcopyrite.                                                                                                                                                                                                                                                          |
| 598.0   | 774.1 | GRANODIORITE<br>Medium grey, coarse grained, moderately chloritic granodiorite. Local black chlorite alteration. 3 percent pyrite, disseminated and as carbonate pyrite stringers. Weak schistosity at 45 degrees to core axis. 5 percent carbonate veins. Non magnetic.                                                             |

HOLE NO.: 303-18

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FOOTAGE  
From To

DESCRIPTION

598.0 601.8 Quartz-carbonate vein, epidote, black chlorite. 5 percent coarse grained pyrite, trace chalcopyrite. Sheared at 65 degrees to core axis.

623.0 651.4 Shear. Strongly sheared zone. Probably granodiorite, possibly some QUARTZ-FELDSPAR PORPHYRY material. 30 percent quartz-carbonate veins. 3 percent pyrite.

751.0 767.5 Quartz-carbonate veins. 20 percent quartz-carbonate veins at 30, 50 degrees to core axis, with 5 percent pyrite, trace pyrrhotite, chalcopyrite.

774.1 823.8 DIORITE

Fine grained, medium grey DIORITE. 2 percent quartz-carbonate veins. Local black chlorite alteration. 3 percent pyrite, trace pyrrhotite, chalcopyrite locally. Non magnetic.

823.8 848.1 DIORITE

Light grey DIORITE. Bleached, sericitic. With pyrite, chlorite specks. Weakly sheared. 5 Percent pyrite in carbonate, chlorite stringers, at 50 degrees to core axis. Chalcopyrite locally. Non magnetic.

848.1 987.2 DIORITE

Fine grained, dark grey. Frequent black chlorite bands. 3 percent pyrite, up to 10% locally, chiefly along carbonate, chlorite stringers. Occasional chalcopyrite, pyrrhotite. Moderately sheared at 30 degrees to core axis. 10 percent quartz-carbonate veins. Non magnetic.

859.0 913.0 Shear zone. Moderately sheared, at 70 degrees to core axis. 20 percent quartz-carbonate veins. Trace chalcopyrite.

966.5 982.3 Shear zone. Moderately sheared at 70 degrees to core axis, with strong shears at 975.6 and 981.0. 20 percent quartz-carbonate veins. Chalcopyrite. 1.7 feet quartz-carbonate vein at 35 degrees to core axis.

987.2 1025.5 DIORITE

Strongly bleached, sericitic, grey, purple DIORITE. Little carbonate. 1 percent pyrite, chalcopyrite. Moderately to strongly magnetic.

1025.5 1138.0 INTERMEDIATE VOLCANICS

Light to medium grey, green, fine grained, massive, with chloritic specks. Brecciated sections. Soft, bleached. Locally silicified.

Low carbonate content. 5 percent quartz-carbonate veins.

1 Percent disseminated pyrite. Chalcopyrite, pyrrhotite in some quartz-carbonate stringers. Non magnetic.

1138.0 END OF HOLE

HOLE NO.: AR303-18

AUR RESOURCES INC.

PAGE: 1

\*\*\*\*\*  
ASSAY SAMPLE REPORTNORTHING: 2+50N  
EASTING: 2+00W  
ELEVATION: 10000.00AZIMUTH: 180  
DIP: -45

| FOOTAGE |       | DESCRIPTION  | SAMPLE NUMBER                                                                                         | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPM |    |
|---------|-------|--------------|-------------------------------------------------------------------------------------------------------|-----------|---------|-------------|--------|--------|--------|--------|----|
| From    | To    |              |                                                                                                       |           |         |             |        |        |        |        |    |
| .0      | 34.0  | OVERBURDEN   |                                                                                                       |           |         |             |        |        |        |        |    |
| 34.0    | 74.3  | DIORITE      |                                                                                                       |           |         |             |        |        |        |        |    |
|         | 62.7  | 67.0         | DIORITE. 3 percent quartz-carbonate veins. 5 percent pyrite, pyrrhotite.                              | 94783     | 62.7    | 67.0        | 4.3    | 34     | 40     | <.2    | 5  |
|         | 67.0  | 69.5         | As above.                                                                                             | 94784     | 67.0    | 69.5        | 2.5    | 13     | 36     | <.2    | 10 |
| 74.3    | 155.5 | GRANODIORITE |                                                                                                       |           |         |             |        |        |        |        |    |
|         | 74.3  | 78.0         | Altered, mafic, chloritic granodiorite. 10 percent pyrite, rare pyrrhotite.                           | 94785     | 74.3    | 78.0        | 3.7    | 10     | 57     | <.2    | 5  |
|         | 78.0  | 83.0         | As above. 15 percent pyrite, rare pyrrhotite.                                                         | 94786     | 78.0    | 83.0        | 5.0    | 16     | 42     | <.2    | 5  |
|         | 83.0  | 85.4         | Silicified DIORITE.                                                                                   |           |         |             |        |        |        |        |    |
|         | 83.0  | 85.4         | Chloritic granodiorite. 3 percent pyrite, rare pyrrhotite.                                            | 94787     | 83.0    | 85.4        | 2.4    | 13     | 58     | <.2    | <5 |
|         | 85.4  | 90.4         | Silicified DIORITE. 3 percent pyrite, rare pyrrhotite.                                                | 94788     | 85.4    | 90.4        | 5.0    | 19     | 22     | <.2    | <5 |
|         | 103.0 | 106.5        | Granodiorite. 4 percent pyrrhotite, chalcopyrite, pyrite.                                             | 94789     | 103.0   | 106.5       | 3.5    | 117    | 29     | <.2    | <5 |
|         | 106.5 | 109.4        | Silicified DIORITE. 5 percent pyrite, pyrrhotite.                                                     | 94790     | 106.5   | 109.4       | 2.9    | 36     | 24     | <.2    | <5 |
|         | 109.4 | 114.4        | Silicified DIORITE. 5 percent pyrite, rare pyrrhotite. Black chlorite.                                | 94791     | 109.4   | 114.4       | 5.0    | 12     | 23     | .6     | <5 |
|         | 114.4 | 119.4        | As above.                                                                                             | 94792     | 114.4   | 119.4       | 5.0    | 17     | 26     | .2     | 40 |
|         | 119.4 | 124.4        | As above.                                                                                             | 94793     | 119.4   | 124.4       | 5.0    | 24     | 23     | <.2    | <5 |
|         | 124.4 | 129.2        | As above. 15 percent pyrite.                                                                          | 94794     | 124.4   | 129.2       | 4.8    | 40     | 26     | <.2    | <5 |
|         | 129.2 | 130.6        | Quartz vein at 40 degrees to core axis. 5 percent medium grained pyrite.                              | 94795     | 129.2   | 130.6       | 1.4    | 15     | 11     | <.2    | <5 |
|         | 130.6 | 135.6        | Altered, chloritic granodiorite. 5 percent pyrite, rare pyrrhotite.                                   | 94796     | 130.6   | 135.6       | 5.0    | 12     | 41     | <.2    | <5 |
|         | 135.6 | 140.6        | As above.                                                                                             | 94797     | 135.6   | 140.6       | 5.0    | 18     | 40     | <.2    | <5 |
|         | 140.6 | 145.6        | Silicified DIORITE. Chloritic granodiorite. 5 percent pyrite, rare pyrrhotite.                        | 94798     | 140.6   | 145.6       | 5.0    | 14     | 33     | <.2    | <5 |
|         | 145.6 | 150.6        | As above.                                                                                             | 94799     | 145.6   | 150.6       | 5.0    | 20     | 32     | <.2    | <5 |
|         | 150.6 | 155.6        | As above.                                                                                             | 94800     | 150.6   | 155.6       | 5.0    | 173    | 17     | <.2    | <5 |
| 155.5   | 223.5 | GRANODIORITE |                                                                                                       |           |         |             |        |        |        |        |    |
|         | 155.6 | 160.6        | Altered granodiorite. 5 percent pyrite, rare pyrrhotite.                                              | 94801     | 155.6   | 160.6       | 5.0    | 43     | 58     | <.2    | <5 |
|         | 160.6 | 165.6        | Altered, chloritic granodiorite. 5 percent pyrite, rare pyrrhotite. 5 percent quartz-carbonate veins. | 94802     | 160.6   | 165.6       | 5.0    | 48     | 27     | <.2    | <5 |
|         | 170.4 | 175.3        | Silicified granodiorite, DIORITE. 10 percent pyrite, rare pyrrhotite.                                 | 94803     | 170.4   | 175.3       | 4.9    | 34     | 18     | <.2    | 15 |
|         | 184.0 | 186.9        | Shear, quartz-carbonate veins, chlorite. 5 percent pyrite.                                            | 94804     | 184.0   | 186.9       | 2.9    | 97     | 19     | .4     | <5 |
|         | 198.0 | 203.0        | Altered granodiorite. 10 percent pyrite, rare pyrrhotite.                                             | 94805     | 198.0   | 203.0       | 5.0    | 50     | 17     | <.2    | <5 |

## ASSAY SAMPLE REPORT

| FOOTAGE |       | DESCRIPTION                                                                                                               | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|
| From    | To    |                                                                                                                           |               |           |         |             |        |        |        |        |
|         | 203.0 | 208.0                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Silicified granodiorite. Black chlorite alteration. 5 percent pyrite, rare pyrrhotite.                                    | 94806         | 203.0     | 208.0   | 5.0         | 30     | 16     | <.2    | <5     |
| 223.5   | 296.0 | DIORITE                                                                                                                   |               |           |         |             |        |        |        |        |
|         | 223.5 | 227.7                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Strongly silicified DIORITE. 5 percent quartz-carbonate veins. 5 percent pyrite, trace pyrrhotite.                        | 94807         | 223.5     | 227.7   | 4.2         | 21     | 18     | <.2    | <5     |
|         | 236.6 | 241.5                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Silicified DIORITE, granodiorite. 5 percent fine grained, coarse grained pyrite.                                          | 94808         | 238.6     | 241.5   | 2.9         | 20     | 14     | <.2    | <5     |
|         | 241.5 | 244.6                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Silicified, chloritic. 5 percent pyrite, rare pyrrhotite.                                                                 | 94809         | 241.5     | 244.6   | 3.1         | 18     | 58     | .6     | <5     |
|         | 244.6 | 246.5                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Silicified granodiorite, chloritic. 3 percent pyrite, rare pyrrhotite.                                                    | 94810         | 244.6     | 246.5   | 1.9         | 45     | 11     | <.2    | 20     |
|         | 247.5 | 251.0                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Silicified, chloritic DIORITE, granodiorite. Strong carbonate alteration. 5 percent pyrite.                               | 94811         | 247.5     | 251.0   | 3.5         | 19     | 38     | .6     | <5     |
|         | 251.0 | 254.9                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                                                                 | 94812         | 251.0     | 254.9   | 3.9         | 36     | 78     | .2     | <5     |
|         | 282.7 | 287.0                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Strongly chloritic DIORITE. 10 percent quartz-carbonate veins. 15 percent pyrite, rare pyrrhotite.                        | 94813         | 282.7     | 287.0   | 4.3         | 24     | 49     | <.2    | <5     |
|         | 287.0 | 291.5                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Grey, beige quartz vein. Tourmaline threads. 1 percent pyrite. Sheared at 70 degrees to core axis.                        | 94814         | 287.0     | 291.5   | 4.5         | 16     | 4      | <.2    | <5     |
|         | 291.5 | 294.1                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Silicified, chloritic DIORITE. 3 percent pyrite                                                                           | 94815         | 291.5     | 294.1   | 2.6         | 25     | 25     | <.2    | <5     |
|         | 294.1 | 296.0                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Quartz-carbonate veins. 5 percent pyrite. Strong shear at 50 degrees to core axis.                                        | 94816         | 294.1     | 296.0   | 1.9         | 22     | 41     | .4     | <5     |
| 296.0   | 325.5 | DIORITE                                                                                                                   |               |           |         |             |        |        |        |        |
| 325.5   | 473.0 | GRANODIORITE                                                                                                              |               |           |         |             |        |        |        |        |
|         | 331.6 | 336.6                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Altered, chloritic granodiorite. 5 percent pyrite.                                                                        | 94817         | 331.6     | 336.6   | 5.0         | 83     | 31     | <.2    | 10     |
|         | 355.8 | 360.8                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Altered, chloritic granodiorite. 5 percent pyrite. Quartz-carbonate veins.                                                | 94818         | 355.6     | 360.8   | 5.0         | 176    | 24     | <.2    | 5      |
|         | 360.8 | 365.8                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                                                                 | 94819         | 360.8     | 365.8   | 5.0         | 72     | 33     | .2     | <5     |
|         | 365.8 | 370.8                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Altered, chloritic granodiorite. 5 percent pyrite. 1.4-foot sheared quartz-carbonate vein.                                | 94820         | 365.8     | 370.8   | 5.0         | 26     | 41     | <.2    | <5     |
|         | 370.8 | 374.8                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Sheared granodiorite, with 5 percent pyrite.                                                                              | 94922         | 370.8     | 374.8   | 4.0         | 105    | 60     | .2     | 5      |
|         | 374.8 | 378.2                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Granodiorite, sheared at 70 degrees to core axis. 5 percent quartz-carbonate veins. 5 percent pyrite.                     | 94923         | 374.8     | 378.2   | 3.4         | 49     | 51     | .4     | 10     |
|         | 378.2 | 382.7                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Granodiorite, DIORITE. 5 percent pyrite.                                                                                  | 94821         | 378.2     | 382.7   | 4.5         | 50     | 40     | 4.8    | 3200   |
|         | 382.7 | 383.7                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | 4-inch quartz-carbonate vein with massive chalcopyrite. DIORITE with 5 percent pyrite.                                    | 94822         | 382.7     | 383.7   | 1.0         | 29600  | 41     | 3.0    | 100    |
|         | 383.7 | 387.3                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Altered, chloritic granodiorite. 5 percent pyrite.                                                                        | 94823         | 383.7     | 387.3   | 3.6         | 67     | 67     | .4     | 330    |
|         | 387.3 | 388.6                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | 20 percent coarse grained chalcopyrite, 10 percent pyrite in quartz-carbonate veins. Trace pyrrhotite.                    | 94824         | 387.3     | 388.6   | 1.3         | 10900  | 44     | 4.4    | 1000   |
|         | 388.6 | 393.6                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Altered, chloritic granodiorite. 5 percent pyrite, rare pyrrhotite.                                                       | 94825         | 388.6     | 393.6   | 5.0         | 95     | 46     | <.2    | 5      |
|         | 393.6 | 397.7                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Quartz-carbonate veins at 60 degrees to core axis. 5 percent pyrite.                                                      | 94826         | 393.6     | 397.7   | 4.1         | 93     | 51     | .6     | <5     |
|         | 429.8 | 434.9                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | Silicified DIORITE, granodiorite. Sheared at 70 degrees to core axis. Quartz-carbonate veins. Chlorite. 5 percent pyrite. | 94827         | 429.8     | 434.9   | 5.1         | 40     | 22     | .4     | <5     |
|         | 434.9 | 439.9                                                                                                                     |               |           |         |             |        |        |        |        |
|         |       | As above.                                                                                                                 | 94828         | 434.9     | 439.9   | 5.0         | 92     | 37     | <.2    | <5     |

## ASSAY SAMPLE REPORT

| FOOTAGE |       | DESCRIPTION                                                                                                                           | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|
| From    | To    |                                                                                                                                       |               |           |         |             |        |        |        |        |
| 473.0   | 598.0 | DIORITE                                                                                                                               |               |           |         |             |        |        |        |        |
| 505.5   | 509.7 | Silicified, sheared. 5 percent pyrite. Quartz-carbonate veins.                                                                        | 94829         | 505.5     | 509.7   | 4.2         | 24     | 26     | .2     | <5     |
| 509.7   | 512.4 | Altered DIORITE. 2 percent pyrite, trace chalcopyrite.                                                                                | 94830         | 509.7     | 512.4   | 2.7         | 16     | 35     | <.2    | <5     |
| 512.4   | 514.5 | Silicification, vuggy quartz-carbonate vein, 10 percent pyrite, pyrrhotite. Black chlorite.                                           | 94831         | 512.4     | 514.5   | 2.1         | 29     | 33     | .4     | 10     |
| 527.7   | 530.1 | Quartz-carbonate veins. Silicification. 2 percent pyrite, chalcopyrite.                                                               | 94832         | 527.7     | 530.1   | 2.4         | 59     | 19     | <.2    | <5     |
| 537.3   | 542.2 | Chloritic DIORITE, granodiorite. 20 percent pyrite, disseminated and in quartz, carbonate stringers.                                  | 94833         | 537.3     | 542.2   | 4.9         | 52     | 36     | <.2    | 5      |
| 573.7   | 578.7 | Chloritic DIORITE. 10 percent fine grained pyrite.                                                                                    | 94834         | 573.7     | 578.7   | 5.0         | 23     | 54     | <.2    | 5      |
| 578.7   | 583.7 | Granodiorite, black chlorite. 10 percent pyrite                                                                                       | 94835         | 578.7     | 583.7   | 5.0         | 76     | 67     | <.2    | <5     |
| 598.0   | 774.1 | GRANODIORITE                                                                                                                          |               |           |         |             |        |        |        |        |
| 598.0   | 601.8 | Quartz-carbonate vein, black chlorite, epidote, 5 percent coarse grained pyrite. Trace chalcopyrite.                                  | 94836         | 598.0     | 601.8   | 3.8         | 30     | 26     | <.2    | <5     |
| 628.0   | 631.0 | Sheared granodiorite. 10 percent quartz-carbonate veins. Black chlorite. 10 percent pyrite.                                           | 94837         | 628.0     | 631.0   | 3.0         | 58     | 30     | <.2    | <5     |
| 631.0   | 634.2 | As above. Lower amount of black chlorite and quartz-carbonate veins.                                                                  | 94838         | 631.0     | 634.2   | 3.2         | 167    | 32     | <.2    | <5     |
| 638.0   | 640.0 | Sheared granodiorite. 15 percent pyrite. 5 percent quartz-carbonate veins.                                                            | 94839         | 638.0     | 640.0   | 2.0         | 331    | 49     | <.2    | 15     |
| 661.0   | 666.0 | Granodiorite. Strong black chlorite alteration. 10 percent pyrite.                                                                    | 94840         | 661.0     | 666.0   | 5.0         | 49     | 62     | <.2    | <5     |
| 666.0   | 671.0 | As above.                                                                                                                             | 94841         | 666.0     | 671.0   | 5.0         | 70     | 38     | <.2    | <5     |
| 671.0   | 674.4 | Granodiorite. Weak chlorite. 15 percent pyrite.                                                                                       | 94842         | 671.0     | 674.4   | 3.4         | 218    | 20     | <.2    | <5     |
| 704.8   | 709.8 | Granodiorite. 5 percent pyrite, chalcopyrite, pyrrhotite. 5 percent quartz-carbonate veins.                                           | 94843         | 704.8     | 709.8   | 5.0         | 344    | 40     | <.2    | <5     |
| 709.8   | 714.8 | As above. 20 percent quartz-carbonate veins.                                                                                          | 94844         | 709.8     | 714.8   | 5.0         | 402    | 44     | .2     | <5     |
| 751.0   | 754.4 | Granodiorite, sheared at 55 degrees to core axis. 40 percent quartz-carbonate veins. 5 percent pyrite. Rare pyrrhotite, chalcopyrite. | 94845         | 751.0     | 754.4   | 3.4         | 91     | 39     | <.2    | <5     |
| 765.3   | 767.5 | As above.                                                                                                                             | 94846         | 765.3     | 767.5   | 2.2         | 60     | 41     | <.2    | <5     |
| 774.1   | 823.8 | DIORITE                                                                                                                               |               |           |         |             |        |        |        |        |
| 779.7   | 782.1 | DIORITE. 5 percent quartz, carbonate, chlorite veins. 5 percent pyrite, chalcopyrite.                                                 | 94847         | 779.7     | 782.1   | 2.4         | 144    | 48     | <.2    | <5     |
| 790.2   | 791.7 | As above.                                                                                                                             | 94848         | 790.2     | 791.7   | 1.5         | 42     | 36     | <.2    | <5     |
| 794.5   | 797.8 | DIORITE. 10 percent quartz-carbonate veins. 5 percent pyrite, chalcopyrite.                                                           | 94849         | 794.5     | 797.8   | 3.3         | 32     | 40     | <.2    | <5     |
| 810.5   | 812.8 | As above.                                                                                                                             | 94850         | 810.5     | 812.8   | 2.3         | 51     | 61     | <.2    | <5     |
| 818.0   | 822.6 | Silicified, bleached DIORITE. 5 percent quartz-carbonate veins. 10 percent pyrite. Trace pyrrhotite, chalcopyrite.                    | 94851         | 818.0     | 822.6   | 4.6         | 28     | 90     | <.2    | <5     |
| 823.8   | 848.1 | DIORITE                                                                                                                               |               |           |         |             |        |        |        |        |
| 828.0   | 832.0 | Silicified DIORITE. 10 percent quartz-carbonate veins, with pyrite, chalcopyrite.                                                     | 94852         | 828.0     | 832.0   | 4.0         | 22     | 18     | <.2    | <5     |
| 832.0   | 836.4 | As above.                                                                                                                             | 94853         | 832.0     | 836.4   | 4.4         | 48     | 28     | <.2    | <5     |

HOLE NO.: AR303-18

## ASSAY SAMPLE REPORT

| FOOTAGE                              |               | DESCRIPTION                                                                                                                       | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU PPM | ZN PPM | AG PPM | AU PPB |
|--------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|--------|--------|--------|--------|
| From                                 | To            |                                                                                                                                   |               |           |         |             |        |        |        |        |
| 848.1 987.2 DIORITE                  |               |                                                                                                                                   |               |           |         |             |        |        |        |        |
|                                      | 848.1 853.1   | DIORITE. Black chlorite. 10 percent pyrite, rare chalcopyrite. 2 percent quartz-carbonate veins.                                  | 94854         | 848.1     | 853.1   | 5.0         | 8      | 7      | <.2    | <5     |
|                                      | 853.1 858.1   | As above.                                                                                                                         | 94855         | 853.1     | 858.1   | 5.0         | 19     | 29     | <.2    | <5     |
|                                      | 858.1 863.1   | As above.                                                                                                                         | 94856         | 858.1     | 863.1   | 5.0         | 27     | 15     | <.2    | <5     |
|                                      | 870.8 874.8   | DIORITE. 5 percent quartz-carbonate veins. 5 percent pyrite, rare chalcopyrite.                                                   | 94857         | 870.8     | 874.8   | 4.0         | 44     | 49     | <.2    | <5     |
|                                      | 874.8 876.6   | Quartz-carbonate vein. Sheared. Chlorite. 10 percent pyrite, chalcopyrite.                                                        | 94858         | 874.8     | 876.6   | 1.8         | 135    | 28     | <.2    | <5     |
|                                      | 876.6 881.6   | Sheared DIORITE. Chlorite. 5 percent quartz-carbonate veins. 5 percent pyrite, chalcopyrite.                                      | 94859         | 876.6     | 881.6   | 5.0         | 23     | 27     | <.2    | 5      |
|                                      | 886.0 891.0   | DIORITE. 5 percent quartz-carbonate veins. 5 percent pyrite, chalcopyrite.                                                        | 94860         | 886.0     | 891.0   | 5.0         | 47     | 26     | <.2    | 10     |
|                                      | 891.0 892.6   | DIORITE. 20 percent quartz-carbonate veins. 10 percent pyrite, chalcopyrite.                                                      | 94861         | 891.0     | 892.6   | 1.6         | 45     | 29     | <.2    | 5      |
|                                      | 892.6 897.6   | As above.                                                                                                                         | 94862         | 892.6     | 897.6   | 5.0         | 58     | 33     | <.2    | 25     |
|                                      | 897.6 902.6   | Sheared DIORITE. 10 percent quartz-carbonate veins. 10 percent pyrite, chalcopyrite.                                              | 94863         | 897.6     | 902.6   | 5.0         | 1490   | 29     | .2     | 40     |
|                                      | 908.5 912.8   | As above.                                                                                                                         | 94864         | 908.5     | 912.8   | 4.3         | 53     | 39     | <.2    | 5      |
|                                      | 919.0 923.0   | DIORITE. 5 percent quartz-carbonate veins. 5 percent pyrite.                                                                      | 94865         | 919.0     | 923.0   | 4.0         | 146    | 27     | <.2    | 30     |
|                                      | 943.8 947.0   | DIORITE. 10 percent quartz-carbonate veins. 5 percent pyrite, chalcopyrite.                                                       | 94866         | 943.8     | 947.0   | 3.2         | 180    | 30     | <.2    | 5      |
|                                      | 947.0 949.8   | DIORITE. 20 percent quartz-carbonate veins. 10 percent pyrite, chalcopyrite.                                                      | 94867         | 947.0     | 949.8   | 2.8         | 196    | 30     | <.2    | <5     |
|                                      | 963.2 966.2   | DIORITE. 1 percent pyrite. 5 percent quartz-carbonate veins.                                                                      | 94868         | 963.2     | 966.2   | 3.0         | 65     | 29     | <.2    | <5     |
|                                      | 966.2 968.8   | Sheared DIORITE. 20 percent quartz-carbonate veins. 10 percent pyrite, chalcopyrite.                                              | 94869         | 966.2     | 968.8   | 2.6         | 69     | 37     | .2     | <5     |
|                                      | 968.8 971.1   | DIORITE. 2 percent pyrite.                                                                                                        | 94870         | 968.8     | 971.1   | 2.3         | 324    | 25     | <.2    | <5     |
|                                      | 971.1 974.4   | Sheared DIORITE. 30 percent quartz-carbonate veins. 10 percent pyrite, chalcopyrite.                                              | 94871         | 971.1     | 974.4   | 3.3         | 165    | 34     | <.2    | 15     |
|                                      | 974.4 979.4   | Strongly sheared DIORITE. 2 percent pyrite.                                                                                       | 94872         | 974.4     | 979.4   | 5.0         | 71     | 20     | <.2    | <5     |
|                                      | 979.4 982.3   | Quartz vein at 30 degrees to core axis. Carbonate, chlorite. Shear. 1 percent pyrite, chalcopyrite.                               | 94873         | 979.4     | 982.3   | 2.9         | 33     | 15     | <.2    | 5      |
|                                      | 982.3 986.3   | DIORITE. 5 percent quartz-carbonate veins. 5 percent pyrite, chalcopyrite.                                                        | 94874         | 982.3     | 986.3   | 4.0         | 94     | 26     | <.2    | <5     |
| 987.2 1025.5 DIORITE                 |               |                                                                                                                                   |               |           |         |             |        |        |        |        |
|                                      | 995.6 998.4   | Bleached, sericitic DIORITE. Carbonate. 1 percent fine grained pyrite.                                                            | 94875         | 995.6     | 998.4   | 2.8         | 12     | 18     | <.2    | <5     |
|                                      | 1010.1 1013.4 | Bleached, sericitic DIORITE. Carbonate. 5 percent pyrite, chalcopyrite.                                                           | 94876         | 1010.1    | 1013.4  | 3.3         | 51     | 16     | <.2    | <5     |
|                                      | 1018.7 1023.7 | As above.                                                                                                                         | 94877         | 1018.7    | 1023.7  | 5.0         | 217    | 19     | <.2    | <5     |
| 1025.5 1138.0 INTERMEDIATE VOLCANICS |               |                                                                                                                                   |               |           |         |             |        |        |        |        |
|                                      | 1027.8 1031.2 | Silicified INTERMEDIATE VOLCANICS. 5 percent quartz-carbonate veins. 5 percent pyrite, chalcopyrite.                              | 94878         | 1027.8    | 1031.2  | 3.4         | 330    | 13     | .6     | <5     |
|                                      | 1051.0 1052.0 | Quartz-carbonate vein at 30 degrees to core axis. Tourmaline. Silicified DIORITE. 10 percent coarse grained pyrite, chalcopyrite. | 94879         | 1051.0    | 1052.0  | 1.0         | 95     | 11     | <.2    | 5      |
|                                      | 1060.8 1063.8 | INTERMEDIATE VOLCANICS. 10 percent pyrite, rare chalcopyrite.                                                                     | 94880         | 1060.8    | 1063.8  | 3.0         | 154    | 14     | <.2    | <5     |



## HOLE # : 303-1B

| SAMPLE | FROM<br>ft | TO<br>ft | SiO2<br>% | TiO2<br>% | Al2O3<br>% | FeO<br>% | MnO<br>% | MgO<br>% | CaO<br>% | Na2O<br>% | K2O<br>% | P2O5<br>% | LOI<br>% | Total<br>% | Cu<br>ppm | Zn<br>ppm | Ag<br>ppm | Au<br>ppb | HAI | SR | AI | HR | VI | PI | AI/VI |
|--------|------------|----------|-----------|-----------|------------|----------|----------|----------|----------|-----------|----------|-----------|----------|------------|-----------|-----------|-----------|-----------|-----|----|----|----|----|----|-------|
| 92955  | 90         | 100      | 59.38     | 0.48      | 13.84      | 7.60     | 0.11     | 5.02     | 3.11     | 1.46      | 1.00     | 0.05      | 6.89     | 98.93      | 11        | 65        | 0.4       | 6         | 57  | 9  | 41 | 14 | 4  | 77 | 29    |
| 92956  | 208        | 218      | 68.37     | 0.72      | 13.03      | 4.93     | 0.07     | 3.14     | 1.70     | 2.55      | 0.82     | <0.01     | 3.98     | 99.31      | 9         | 36        | 0.4       | <5        | 48  | 5  | 24 | 20 | 1  | 55 | 18    |
| 92957  | 308        | 316      | 65.48     | 0.85      | 13.31      | 5.62     | 0.11     | 2.69     | 3.50     | 1.50      | 1.13     | 0.26      | 5.96     | 100.42     | 22        | 36        | 0.4       | <5        | 43  | 9  | 43 | 38 | 2  | 64 | 16    |
| 92958  | 398        | 408      | 63.27     | 0.99      | 13.86      | 7.75     | 0.13     | 2.23     | 2.75     | 1.70      | 0.69     | 0.26      | 5.14     | 98.76      | 65        | 66        | 0.3       | 94        | 40  | 8  | 29 | 50 | 4  | 57 | 14    |
| 92959  | 495        | 505      | 64.22     | 0.87      | 13.91      | 7.31     | 0.11     | 2.77     | 2.31     | 1.36      | 0.92     | 0.22      | 5.01     | 99.02      | 16        | 55        | 0.2       | 6         | 50  | 10 | 40 | 23 | 4  | 67 | 16    |
| 92960  | 608        | 618      | 62.45     | 0.88      | 15.18      | 6.51     | 0.13     | 2.64     | 3.10     | 1.34      | 0.53     | 0.24      | 5.65     | 98.65      | 41        | 57        | <0.1      | <5        | 42  | 11 | 28 | 42 | 4  | 66 | 17    |
| 92961  | 698        | 708      | 60.56     | 1.23      | 15.38      | 7.88     | 0.13     | 2.57     | 3.33     | 1.56      | 0.18     | 0.31      | 5.87     | 99.00      | 860       | 49        | 0.8       | 9         | 36  | 10 | 10 | 95 | 3  | 62 | 13    |
| 92962  | 800        | 810      | 59.44     | 1.15      | 15.10      | 8.09     | 0.11     | 3.56     | 3.06     | 1.23      | 1.06     | 0.38      | 5.91     | 99.10      | 61        | 91        | <0.1      | <5        | 52  | 12 | 46 | 40 | 7  | 74 | 13    |
| 92963  | 923        | 933      | 59.15     | 0.74      | 17.72      | 7.42     | 0.16     | 2.64     | 3.04     | 1.50      | 0.76     | 0.11      | 6.22     | 99.46      | 166       | 51        | <0.1      | <5        | 43  | 12 | 34 | 76 | 3  | 64 | 24    |
| 92964  | 999        | 1009     | 56.36     | 0.78      | 13.54      | 6.23     | 0.08     | 2.48     | 6.89     | 2.24      | 0.54     | 0.17      | 10.75    | 100.06     | 17        | 16        | <0.1      | <5        | 25  | 6  | 19 | 52 | 1  | 53 | 17    |
| 92965  | 1088       | 1098     | 69.34     | 0.64      | 12.62      | 4.56     | 0.08     | 2.09     | 2.68     | 2.42      | 0.75     | 0.16      | 4.67     | 100.01     | 86        | 50        | <0.1      | <5        | 36  | 5  | 24 | 63 | 2  | 46 | 20    |



HOLE NO.: 311-11  
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DIAMOND DRILL LOG

PROJECT: BEVCON  
 PROVINCE: Quebec  
 N.T.S.: 32C/3  
 TOWNSHIP: Louvicourt  
 RANGE: VII  
 BLK No.: 46  
 CLAIM No.: CG647-1 / 3531152  
           50%       50%  
 Date started: September 7, 1990  
 Date completed: September 12, 1990  
 Core size: BQ  
 Drilled by: Forage Alexandre Inc.  
 Logged by: L. Martin

COLLAR LOCATION

LOCAL GRID: 49+10S  
           21+00W  
 SURVEYED GRID:  
 Collar dip: -50.0  
 Collar azimuth: 167.0  
 Collar elevation: 10000.0 feet  
 Total length: 1268.0 feet  
 Sample Numbers: 83741 83913

TESTS:

| Depth | Azimuth | Dip   | Depth  | Azimuth | Dip   |
|-------|---------|-------|--------|---------|-------|
| 138.0 |         | -47.0 | 700.0  |         | -38.0 |
| 200.0 |         | -46.0 | 800.0  |         | -36.0 |
| 300.0 |         | -45.0 | 900.0  |         | -35.0 |
| 400.0 |         | -44.0 | 1000.0 |         | -34.0 |
| 500.0 |         | -42.0 | 1100.0 |         | -33.0 |
| 600.0 |         | -41.0 | 1200.0 |         | -30.0 |

FOOTAGE

DESCRIPTION

From To

.0 131.0 OVERBURDEN

Casing left in the hole.

131.0 240.5 GRANODIORITE

Bevcon pluton.  
 Strongly silicified, medium to pale grey colour.  
 Massive to brecciated texture.  
 Non magnetic, 3% quartz-carbonate veins.  
 1 to 2% pyrite locally.  
 Schistosity at 60 degrees to core axis.

131.0 152.0 Moderate black chlorite alteration, diorite to quartz diorite in composition.

152.0 Fault at 40 degrees to core axis.

176.0 181.0 Dyke?.

240.5 293.0 DIORITE

Transition zone, mixture of diorite and more felsic granodiorite material.  
 Contains gradational and numerous alternating units.  
 Medium grey colour, weak to moderate black chlorite alteration.  
 Fine to medium grained and massive, homogenous sections.

HOLE NO.: 311-11

| FOOTAGE |       | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| From    | To    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|         |       | Slight increase in the sulphide content with 1 to 2%.<br>Non magnetic, 3% irregular quartz-carbonate vein.<br>Gradational contacts.<br>Schistosity at 60 degrees to core axis.                                                                                                                                                                                                                                                                                                                                     |
| 293.0   | 467.5 | <b>DIORITE</b><br>Zone which generally hosts the mineralization.<br>Probable cause of the moderate, northern most, IP anomaly, local stringer to vein of chalcopyrite.<br>Fine to medium grained, massive, fairly homogenous texture.<br>Unit is characterized by moderate black chlorite alteration, local variation in intensity.<br>Non magnetic, 2% quartz veins.<br>1 to 2% pyrite and the start of the chalcopyrite mineralization.<br>Sulphides are associated with the stronger black chlorite alteration. |
| 295.0   | 312.5 | Fault zone Brecciated and sheared with chlorite and carbonate in the matrix.<br>Moderately developed fault, paler grey colour with 1 to 2% finely disseminated pyrite locally.                                                                                                                                                                                                                                                                                                                                     |
| 349.5   |       | Chalcopyrite 2 inch vein with quartz-carbonate vein at 60 degrees to core axis.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 351.0   | 351.5 | Chalcopyrite, 10% in a quartz-carbonate vein at 60 degrees to core axis.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 356.0   | 357.0 | Fault moderate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 379.5   | 402.0 | Quartz vein with trace pyrite and chalcopyrite, vein at 15 to 20 degrees to core axis.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 447.5   | 500.5 | <b>GRANDIORITY</b><br>Light to medium grey colour, fine grained and strongly silicified.<br>Minor, <5%, green chlorite spots.<br>Non magnetic, 4% quartz veins with poorly defined contacts.<br>Trace to 1% disseminated pyrite.<br>Upper and lower contact of the unit are marked by the degree of silicification.<br>Schistosity at 55 degrees to core axis.                                                                                                                                                     |
| 500.5   | 574.0 | <b>DIORITE</b><br>Fine grained diorite possible volcanic.<br>Massive, pale to medium grey colour.<br>Weak to moderate black chlorite alteration, local silicification.<br>Locally sections appear bleached.<br>2% Quartz-carbonate veins, minor quartz vein with magnetite.<br>The unit is generally non magnetic.<br>Schistosity at 45 to 50 degrees to core axis.                                                                                                                                                |
| 505.5   | 520.0 | Zone of most intense black chlorite alteration with the highest pyrite content, 4 to 5%                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 574.0   | 634.0 | <b>MAFIC VOLCANICS</b><br>Unit differs by the strong and irregular quartz carbonate veins and stringers.<br>Possible similar host rock as the surrounding fine grained diorites.<br>Intense veining, 10% to 15%, which includes magnesite, characteristic of a shear zone.<br>Increase in the amount of talc and chlorite.<br>2 to 3% pyrite associated with the more intense part of the shear.<br>Sharp upper contact moderately defined lower contact.                                                          |

FOOTAGE  
From To

DESCRIPTION

Shearing at 60 degrees to core axis.

576.5 584.0 Quartz vein, bull white with trace pyrite and chalcopyrite.

534.0 696.0 DIORITE

Medium to fine grained, massive with a homogenous texture.  
Locally it has the appearance of massive mafic volcanic flow.  
Medium grey green colour, weak to moderate chlorite alteration.  
Minor chalcopyrite stringers and veins often associated with the carbonate veins.  
Sections of 5% finely disseminated pyrite.  
Schistosity and chalcopyrite veins at 60 to 65 degrees to core axis.

Chalcopyrite stringers and veins located at 648 and 663 feet.

696.0 716.0 COPPER STRINGER ZONE

Unit is composed of 6 to 7% irregular chalcopyrite stringers.  
The mineralization is commonly associated with quartz carbonate veins.  
Chalcopyrite makes up the large percentage of the sulphides present.  
Moderate sericite alteration, weakly silicified.  
Locally >5% finely disseminated pyrite and minor chalcopyrite.  
Distinct alteration clearly marks the limit of the unit and of the stringer mineralization.

718.0 1268.0 DIORITE

Fine to medium grained, massive with a homogenous texture.  
The strong yet patchy pyrite mineralization continues with occasional stringers of chalcopyrite.  
Pyrite is present as very finely disseminated to vein like.  
Moderate black chlorite alteration gradually decreasing in areas.  
At approximately 830 feet the rock changes to a lighter grey colour, more sericite and silicification.  
3% Quartz-carbonate veins.  
2 to 3% pyrite, trace chalcopyrite.  
Schistosity and several chalcopyrite veins at 60 degrees to core axis.

718.0 943.0 Moderate black chlorite alteration.

814.0 815.0 Fault with 20% pyrite.

895.0 896.0 Semi-massive pyrite with clast like material.

Numerous other sections with heavy pyrite right up to the end of the hole at 1268 feet.

897.0 1268.0 The chalcopyrite occurs as veins averaging 1/2 to 1 inch randomly located every 40 to 50 feet.

897.0 Chalcopyrite 1/2 inch vein.

918.0 919.0 Chalcopyrite 3/4 inch vein with local semi-massive fine pyrite.

943.0 1096.0 Weak to moderate silicification and sericite alteration.

1019.0 1022.0 COPPER STRINGER ZONE stringers with quartz chlorite vein at 60 degrees to core axis.

1022.5 1023.5 DYKE mafic in composition.

1025.5 1030.5 DYKE mafic in composition.

1033.5 1034.0 Chalcopyrite stringer with a quartz vein at 60 degrees to core axis.

1060.5 1063.0 COPPER STRINGER ZONE 7 to 8% chalcopyrite, trace pyrite.

1096.0 1268.0 Moderate black chlorite alteration.

1109.0 1110.0 COPPER STRINGER ZONE 3% chalcopyrite with 3% pyrite and quartz veins.

HOLE NO.: 311-11

FOOTAGE  
 From To

DESCRIPTION

1154.0 1158.0 COPPER STRINGER ZONE 3% chalcopryite, 4% pyrite.  
 1228.0 1230.0 DYKE mafic in composition.

1235.0 1235.5 Erratic quartz-carbonate vein with 1% chalcopryite.

1266.0 END OF HOLE

AUR RESOURCES INC.  
 ~~~~~  
 ASSAY SAMPLE REPORT

PAGE: 1

HOLE NO.: AR311-11
 ~~~~~  
 NORTHING: 49+10S  
 EASTING: 21+00W  
 ELEVATION: 10000.00

AZIMUTH: 167  
 DIP: -50

| FOOTAGE | DESCRIPTION                                                                                         | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU %  | ZN %  | AS oz/t | AU oz/t |
|---------|-----------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|-------|-------|---------|---------|
| .0      | 131.0 OVERBURDEN                                                                                    |               |           |         |             |       |       |         |         |
| 131.0   | 240.5 GRANODIORITE                                                                                  |               |           |         |             |       |       |         |         |
|         | 158.0 160.0 Moderate black chlorite alteration, 5% disseminated pyrite, trace chalcopyrite.         | 83741         | 158.0     | 160.0   | 2.0         | .167  | .002  | .041    | .002    |
| 240.5   | 293.0 DIORITE                                                                                       |               |           |         |             |       |       |         |         |
|         | 240.5 243.0 DIORITE with 2% pyrite along a carbonate vein.                                          | 83742         | 240.5     | 243.0   | 2.5         | .021  | .002  | .029    | .001    |
|         | 263.5 269.0 Moderate black chlorite alteration, 4% finely disseminated pyrite.                      | 83743         | 263.5     | 269.0   | 5.5         | .009  | .003  | .041    | .001    |
|         | 272.0 276.0 Moderate black chlorite alteration, local silicification, 4% disseminated pyrite.       | 83744         | 272.0     | 276.0   | 4.0         | .018  | .003  | .029    | <.001   |
| 293.0   | 467.5 DIORITE                                                                                       |               |           |         |             |       |       |         |         |
|         | 293.0 298.0 Strongly sheared, fault 2 to 3% finely disseminated pyrite.                             | 83745         | 293.0     | 298.0   | 3.0         | .018  | .001  | .035    | <.001   |
|         | 298.0 303.0 Local faulting, 2% disseminated pyrite.                                                 | 83746         | 298.0     | 303.0   | 5.0         | .006  | <.001 | .029    | <.001   |
|         | 312.0 313.5 Silicified with 5% finely disseminated pyrite.                                          | 83747         | 312.0     | 313.5   | 1.5         | .004  | <.001 | .029    | <.001   |
|         | 327.0 330.0 Strong black chlorite alteration, 6% finely disseminated pyrite.                        | 83748         | 327.0     | 330.0   | 3.0         | .019  | .002  | .052    | <.001   |
|         | 345.0 349.0 Weak black chlorite, trace pyrite.                                                      | 83749         | 345.0     | 349.0   | 4.0         | .006  | .001  | .022    | <.001   |
|         | 349.0 351.5 2 quartz-carbonate veins with massive and stringer chalcopyrite, 6 to 7%.               | 83750         | 349.0     | 351.5   | 2.5         | 4.250 | .002  | .437    | .004    |
|         | 351.5 356.0 Weak chlorite alteration trace pyrite.                                                  | 83751         | 351.5     | 356.0   | 4.5         | .016  | .002  | .006    | <.001   |
|         | 356.0 360.0 Minor fault, 1% pyrite.                                                                 | 83752         | 356.0     | 360.0   | 4.0         | .034  | .003  | .023    | <.001   |
|         | 360.0 365.0 Moderate black chlorite alteration, 1% pyrite.                                          | 83753         | 360.0     | 365.0   | 5.0         | .009  | .002  | .006    | <.001   |
|         | 365.0 368.0 6% quartz-carbonate veins at 60 degrees to core axis with 2% disseminated chalcopyrite. | 83754         | 365.0     | 368.0   | 3.0         | .210  | .004  | .029    | <.001   |
|         | 368.0 373.0 Weak black chlorite alteration, trace pyrite.                                           | 83755         | 368.0     | 373.0   | 5.0         | .026  | .003  | .006    | <.001   |
|         | 393.0 403.0 Quartz-carbonate vein with 1% disseminated pyrite and trace chalcopyrite.               | 83756         | 393.0     | 403.0   | 5.0         | .014  | .005  | .035    | <.001   |
| 467.5   | 500.5 GRANODIORITE                                                                                  |               |           |         |             |       |       |         |         |
| 500.5   | 574.0 DIORITE                                                                                       |               |           |         |             |       |       |         |         |
|         | 505.5 510.0 Moderate black chlorite alteration, 6% disseminated pyrite.                             | 83757         | 505.5     | 510.0   | 4.5         | .007  | .002  | .029    | <.001   |
|         | 510.0 515.0 As above.                                                                               | 83758         | 510.0     | 515.0   | 5.0         | .003  | .002  | .029    | <.001   |
|         | 515.0 520.0 As above.                                                                               | 83759         | 515.0     | 520.0   | 5.0         | .011  | .002  | .029    | <.001   |
| 574.0   | 634.0 MAFIC VOLCANICS                                                                               |               |           |         |             |       |       |         |         |
|         | 574.0 576.5 8% disseminated pyrite plus a 6 inch quartz vein.                                       | 83760         | 574.0     | 576.5   | 2.5         | .010  | .003  | .023    | .002    |

## ASSAY SAMPLE REPORT

| FOOTAGE |        | DESCRIPTION                                                                                          | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU %  | ZN %  | AG oz/t | AU oz/t |
|---------|--------|------------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|-------|-------|---------|---------|
| From    | To     |                                                                                                      |               |           |         |             |       |       |         |         |
| 576.5   | 581.0  | Bull white quartz vein, no sulphides.                                                                | 83761         | 576.5     | 581.0   | 4.5         | .004  | <.001 | .012    | <.001   |
| 581.0   | 584.0  | Bull white quartz vein with chlorite and <1% chalcopryrite and pyrite.                               | 83762         | 581.0     | 584.0   | 3.0         | .018  | <.001 | .046    | <.001   |
| 584.0   | 588.0  | Sheared volcanic with 15% quartz-carbonate veins and 4% disseminated pyrite.                         | 83763         | 584.0     | 588.0   | 4.0         | .006  | .004  | .041    | <.001   |
| 588.0   | 592.0  | As above.                                                                                            | 83764         | 588.0     | 592.0   | 4.0         | .008  | .006  | .012    | .005    |
| 592.0   | 596.0  | 2 inch quartz-tourmaline vein, 5% disseminated pyrite.                                               | 83765         | 592.0     | 596.0   | 4.0         | .019  | .006  | .006    | .001    |
| 596.0   | 600.0  | 20% quartz-carbonate veins, 4% disseminated pyrite.                                                  | 83766         | 596.0     | 600.0   | 4.0         | .012  | .003  | <.006   | .001    |
| 634.0   | 696.0  | DIGRITE                                                                                              |               |           |         |             |       |       |         |         |
| 643.0   | 647.5  | Minor veining, 1% disseminated pyrite.                                                               | 83767         | 643.0     | 647.5   | 4.5         | .013  | .004  | <.006   | .001    |
| 647.5   | 649.0  | Sericite alteration plus a 1/2 inch chalcopryrite vein.                                              | 83768         | 647.5     | 649.0   | 1.5         | 1.310 | .002  | .012    | .025    |
| 649.0   | 653.0  | Moderate black chlorite alteration, 2% disseminated pyrite.                                          | 83769         | 649.0     | 653.0   | 4.0         | .007  | .003  | .006    | <.001   |
| 653.0   | 658.0  | As above.                                                                                            | 83770         | 653.0     | 658.0   | 5.0         | .025  | .007  | .023    | <.001   |
| 658.0   | 662.0  | Moderate black chlorite alteration, 5% disseminated pyrite.                                          | 83771         | 658.0     | 662.0   | 4.0         | .046  | .008  | <.006   | <.001   |
| 662.0   | 663.5  | 1 to 2% chalcopryrite along quartz-carbonate veins.                                                  | 83772         | 662.0     | 663.5   | 1.5         | .279  | .008  | <.006   | .001    |
| 663.5   | 668.0  | Weak to moderate black chlorite alteration, minor quartz-carbonate veins, 1% pyrite.                 | 83773         | 663.5     | 668.0   | 4.5         | .005  | .003  | .029    | <.001   |
| 668.0   | 673.0  | Weak silicification and sericite alteration, 3% disseminated pyrite.                                 | 83774         | 668.0     | 673.0   | 5.0         | .008  | .002  | .006    | <.001   |
| 673.0   | 678.0  | Moderate black chlorite alteration, 3 to 5% pyrite, trace chalcopryrite.                             | 83775         | 673.0     | 678.0   | 5.0         | .131  | .004  | <.006   | <.001   |
| 678.0   | 683.0  | As above.                                                                                            | 83776         | 678.0     | 683.0   | 5.0         | .043  | .007  | .035    | <.001   |
| 683.0   | 688.0  | As above.                                                                                            | 83777         | 683.0     | 688.0   | 5.0         | .051  | .009  | .017    | .001    |
| 688.0   | 693.0  | As above.                                                                                            | 83778         | 688.0     | 693.0   | 5.0         | .027  | .009  | <.006   | <.001   |
| 693.0   | 696.0  | As above.                                                                                            | 83779         | 693.0     | 696.0   | 3.0         | .064  | .015  | .210    | .001    |
| 696.0   | 718.0  | COPPER STRINGER ZONE                                                                                 |               |           |         |             |       |       |         |         |
| 696.0   | 698.0  | 6% disseminated pyrite, trace chalcopryrite.                                                         | 83780         | 696.0     | 698.0   | 2.0         | .211  | .002  | .286    | <.001   |
| 698.0   | 701.0  | 2% chalcopryrite stringers and 3% pyrite.                                                            | 83781         | 698.0     | 701.0   | 3.0         | 1.070 | .005  | .321    | .001    |
| 701.0   | 703.0  | 4 to 5% stringer chalcopryrite and 3% pyrite.                                                        | 83782         | 701.0     | 703.0   | 2.0         | 1.550 | .007  | .414    | .006    |
| 703.0   | 705.0  | 2% stringer chalcopryrite with quartz-carbonate vein, 4% finely disseminated pyrite.                 | 83783         | 703.0     | 705.0   | 2.0         | .962  | .006  | .204    | .002    |
| 705.0   | 707.0  | 8% stringer chalcopryrite with quartz-carbonate veins, 3% pyrite.                                    | 83784         | 705.0     | 707.0   | 2.0         | 2.820 | .023  | .577    | .010    |
| 707.0   | 710.0  | 8% stringer chalcopryrite with quartz-carbonate veins, 4% pyrite.                                    | 83785         | 707.0     | 710.0   | 3.0         | 1.960 | .009  | .262    | .007    |
| 710.0   | 713.0  | 3 to 4% stringer and disseminated chalcopryrite with quartz-carbonate veins, 5% disseminated pyrite. | 83786         | 710.0     | 713.0   | 3.0         | .745  | .007  | .233    | .040    |
| 713.0   | 718.0  | 5% disseminated pyrite, minor quartz-carbonate veins.                                                | 83787         | 713.0     | 718.0   | 5.0         | .037  | .002  | .093    | .001    |
| 718.0   | 1268.0 | DIORITE                                                                                              |               |           |         |             |       |       |         |         |
| 718.0   | 723.0  | Minor veining, 4 to 5% disseminated pyrite.                                                          | 83788         | 718.0     | 723.0   | 5.0         | .025  | .011  | .023    | <.001   |
| 723.0   | 728.0  | Minor veining, green chlorite, trace pyrite.                                                         | 83789         | 723.0     | 728.0   | 5.0         | .035  | .010  | .017    | <.001   |
| 728.0   | 733.0  | Moderate black chlorite alteration, 3% disseminated pyrite.                                          | 83790         | 728.0     | 733.0   | 5.0         | .020  | .007  | .029    | <.001   |

## ASSAY SAMPLE REPORT

| FOOTAGE |       | DESCRIPTION                                                                                     | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU % | ZN %  | AG oz/t | AU oz/t |
|---------|-------|-------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|------|-------|---------|---------|
| From    | To    |                                                                                                 |               |           |         |             |      |       |         |         |
| 733.0   | 734.5 | 8% disseminated pyrite, minor quartz-carbonate veins.                                           | 83791         | 733.0     | 734.5   | 1.5         | .051 | .005  | .052    | .003    |
| 734.5   | 738.0 | Moderate black chlorite alteration, 2% disseminated pyrite.                                     | 83792         | 734.5     | 738.0   | 3.5         | .024 | .005  | .023    | <.001   |
| 738.0   | 743.0 | As above.                                                                                       | 83793         | 738.0     | 743.0   | 5.0         | .024 | .005  | .035    | <.001   |
| 743.0   | 746.5 | As above.                                                                                       | 83794         | 743.0     | 746.5   | 3.5         | .017 | .006  | .023    | <.001   |
| 746.5   | 748.0 | Moderate black chlorite alteration, 3 to 4% disseminated chalcopyrite and 3% pyrite.            | 83795         | 746.5     | 748.0   | 1.5         | .061 | .004  | .058    | .011    |
| 748.0   | 751.0 | Moderate black chlorite alteration, 2% disseminated pyrite.                                     | 83796         | 748.0     | 751.0   | 3.0         | .040 | .005  | .023    | .001    |
| 751.0   | 754.0 | Moderate black chlorite alteration, 2% chalcopyrite and 4% pyrite, minor quartz-carbonate vein. | 83797         | 751.0     | 754.0   | 3.0         | .114 | .004  | .023    | .002    |
| 754.0   | 758.0 | Moderate black chlorite alteration, 4% disseminated pyrite.                                     | 83798         | 754.0     | 758.0   | 4.0         | .043 | .004  | .617    | .004    |
| 758.0   | 763.0 | Strong black chlorite alteration, 3 to 5% finely disseminated pyrite.                           | 83894         | 758.0     | 763.0   | 5.0         | .020 | .002  | .029    | <.001   |
| 763.0   | 768.0 | As above.                                                                                       | 83895         | 763.0     | 768.0   | 5.0         | .025 | .002  | .004    | .001    |
| 768.0   | 773.0 | As above.                                                                                       | 83896         | 768.0     | 773.0   | 5.0         | .016 | .002  | .035    | .001    |
| 773.0   | 778.0 | As above.                                                                                       | 83897         | 773.0     | 778.0   | 5.0         | .038 | <.001 | .012    | .001    |
| 778.0   | 783.0 | As above.                                                                                       | 83898         | 778.0     | 783.0   | 5.0         | .018 | .004  | <.006   | <.001   |
| 783.0   | 788.0 | As above.                                                                                       | 83899         | 783.0     | 788.0   | 5.0         | .024 | .003  | .006    | <.001   |
| 788.0   | 793.0 | As above.                                                                                       | 83900         | 788.0     | 793.0   | 5.0         | .020 | .003  | <.006   | <.001   |
| 793.0   | 798.0 | As above.                                                                                       | 83901         | 793.0     | 798.0   | 5.0         | .011 | .003  | .006    | <.001   |
| 798.0   | 803.0 | As above.                                                                                       | 83902         | 798.0     | 803.0   | 5.0         | .040 | .002  | .006    | <.001   |
| 803.0   | 808.0 | As above.                                                                                       | 83903         | 803.0     | 808.0   | 5.0         | .073 | .002  | .012    | <.001   |
| 808.0   | 813.5 | As above.                                                                                       | 83904         | 808.0     | 813.5   | 5.5         | .023 | .002  | <.006   | <.001   |
| 813.5   | 815.5 | Shear with 20% pyrite.                                                                          | 83799         | 813.5     | 815.5   | 2.0         | .025 | .003  | .023    | .007    |
| 815.5   | 820.5 | Moderate black chlorite, 3% pyrite, and minor quartz-carbonate vein.                            | 83800         | 815.5     | 820.5   | 5.0         | .014 | .005  | .029    | <.001   |
| 820.5   | 822.0 | Silicified, clasts, 15% finely disseminated pyrite.                                             | 83801         | 820.5     | 822.0   | 1.5         | .024 | <.001 | .035    | .001    |
| 822.0   | 825.0 | Strong black chlorite alteration, 2 to 4% disseminated pyrite.                                  | 83905         | 822.0     | 825.0   | 3.0         | .015 | .001  | <.006   | <.001   |
| 825.0   | 828.0 | As above.                                                                                       | 83906         | 825.0     | 828.0   | 3.0         | .004 | <.001 | <.006   | <.001   |
| 828.0   | 833.0 | As above.                                                                                       | 83907         | 828.0     | 833.0   | 5.0         | .011 | .002  | <.006   | <.001   |
| 833.0   | 838.0 | As above.                                                                                       | 83908         | 833.0     | 838.0   | 5.0         | .014 | <.001 | .006    | <.001   |
| 838.0   | 843.0 | As above.                                                                                       | 83909         | 838.0     | 843.0   | 5.0         | .016 | .002  | .017    | <.001   |
| 843.0   | 846.5 | As above.                                                                                       | 83910         | 843.0     | 846.5   | 3.5         | .032 | .002  | .070    | <.001   |
| 846.5   | 849.0 | Silicified, minor sericite, 6% disseminated pyrite.                                             | 83802         | 846.5     | 849.0   | 2.5         | .023 | .001  | .023    | .001    |
| 849.0   | 853.0 | Weak chlorite alteration, 2% disseminated pyrite.                                               | 83911         | 849.0     | 853.0   | 4.0         | .038 | .002  | .006    | <.001   |
| 853.0   | 858.0 | As above.                                                                                       | 83912         | 853.0     | 858.0   | 5.0         | .025 | .001  | .006    | <.001   |
| 858.0   | 863.0 | As above.                                                                                       | 83913         | 858.0     | 863.0   | 5.0         | .039 | <.001 | .006    | <.001   |
| 863.0   | 865.0 | Quartz-carbonate vein at 0 degrees to core axis with 1 to 2% chalcopyrite and 2% pyrite.        | 83803         | 863.0     | 865.0   | 2.0         | .091 | .001  | <.006   | .001    |
| 865.0   | 868.0 | Spotty chlorite with 3% pyrite.                                                                 | 83804         | 865.0     | 868.0   | 3.0         | .025 | .001  | <.006   | <.001   |
| 868.0   | 873.0 | 5% finely disseminated pyrite.                                                                  | 83805         | 868.0     | 873.0   | 5.0         | .022 | .002  | .066    | <.001   |
| 873.0   | 878.0 | Local sericite and silicification, 5% disseminated pyrite.                                      | 83806         | 873.0     | 878.0   | 5.0         | .028 | .001  | .066    | .001    |
| 878.0   | 883.0 | Moderate black chlorite, 4 to 5% disseminated pyrite.                                           | 83807         | 878.0     | 883.0   | 5.0         | .051 | .002  | .050    | <.001   |
| 883.0   | 888.0 | As above.                                                                                       | 83808         | 883.0     | 888.0   | 5.0         | .041 | .003  | .033    | <.001   |
| 888.0   | 892.0 | As above.                                                                                       | 83809         | 888.0     | 892.0   | 4.0         | .015 | .001  | .027    | <.001   |
| 892.0   | 895.0 | Moderate sericite and silicification, 8% disseminated pyrite.                                   | 83810         | 892.0     | 895.0   | 3.0         | .006 | .001  | .022    | <.001   |

HOLE NO.: AR311-11

ASSAY SAMPLE REPORT

| FOOTAGE |        | DESCRIPTION                                                                           | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU %  | ZN %  | AG oz/t | AU oz/t |
|---------|--------|---------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|-------|-------|---------|---------|
| From    | To     |                                                                                       |               |           |         |             |       |       |         |         |
| 895.0   | 897.0  | As above plus 1 to 2% chalcopryrite.                                                  | 83811         | 895.0     | 897.0   | 2.0         | .178  | .001  | .052    | .002    |
| 897.0   | 900.5  | Weak to moderate sericite and silicification, 5% pyrite.                              | 83812         | 897.0     | 900.5   | 3.5         | .018  | .001  | .022    | <.001   |
| 900.5   | 905.0  | Weak to moderate chlorite, 3% pyrite.                                                 | 83813         | 900.5     | 905.0   | 4.5         | .048  | .001  | .044    | <.001   |
| 905.0   | 910.0  | As above.                                                                             | 83914         | 905.0     | 910.0   | 5.0         | .013  | .002  | .072    | <.001   |
| 910.0   | 914.0  | As above.                                                                             | 83815         | 910.0     | 914.0   | 4.0         | .055  | .001  | .017    | <.001   |
| 914.0   | 917.0  | As above.                                                                             | 83816         | 914.0     | 917.0   | 3.0         | .033  | .003  | .017    | <.001   |
| 917.0   | 919.0  | 5% chalcopryrite stringers with quartz-carbonate vein, 6% finely disseminated pyrite. | 83817         | 917.0     | 919.0   | 2.0         | 1.220 | .003  | .111    | .004    |
| 919.0   | 923.0  | Moderate black chlorite, 4 to 8% finely disseminated pyrite.                          | 83818         | 919.0     | 923.0   | 4.0         | .045  | .002  | .011    | <.001   |
| 923.0   | 928.0  | As above.                                                                             | 83819         | 923.0     | 928.0   | 5.0         | .045  | .001  | .017    | <.001   |
| 928.0   | 933.0  | As above.                                                                             | 83820         | 928.0     | 933.0   | 5.0         | .005  | .001  | .017    | <.001   |
| 933.0   | 938.0  | As above.                                                                             | 83821         | 933.0     | 938.0   | 5.0         | .007  | .001  | .028    | <.001   |
| 938.0   | 943.0  | As above.                                                                             | 83822         | 938.0     | 943.0   | 5.0         | .017  | .001  | .011    | <.001   |
| 943.0   | 948.0  | Weak sericite and silicification, 3 to 5% disseminated pyrite.                        | 83823         | 943.0     | 948.0   | 5.0         | .009  | .001  | .011    | <.001   |
| 948.0   | 953.0  | As above.                                                                             | 83824         | 948.0     | 953.0   | 5.0         | .026  | .001  | .006    | <.001   |
| 953.0   | 958.0  | As above.                                                                             | 83825         | 953.0     | 958.0   | 5.0         | .032  | .002  | .017    | <.001   |
| 958.0   | 963.0  | As above.                                                                             | 83826         | 958.0     | 963.0   | 5.0         | .030  | .002  | .022    | <.001   |
| 963.0   | 968.0  | As above.                                                                             | 83827         | 963.0     | 968.0   | 5.0         | .022  | .002  | .022    | <.001   |
| 968.0   | 973.0  | As above.                                                                             | 83828         | 968.0     | 973.0   | 5.0         | .022  | .003  | .033    | <.001   |
| 973.0   | 978.0  | As above.                                                                             | 83829         | 973.0     | 978.0   | 5.0         | .031  | .002  | .011    | <.001   |
| 978.0   | 982.0  | As above.                                                                             | 83830         | 978.0     | 982.0   | 4.0         | .005  | .002  | .011    | <.001   |
| 982.0   | 986.0  | As above.                                                                             | 83831         | 982.0     | 986.0   | 4.0         | .155  | .002  | .022    | <.001   |
| 986.0   | 989.0  | 3 to 4% chalcopryrite stringers, 4% disseminated pyrite.                              | 83832         | 986.0     | 989.0   | 3.0         | .324  | <.001 | .047    | <.001   |
| 989.0   | 993.0  | Weak sericite and silicification, 2 to 4% disseminated pyrite.                        | 83833         | 989.0     | 993.0   | 4.0         | .013  | .001  | .028    | <.001   |
| 993.0   | 998.0  | As above.                                                                             | 83834         | 993.0     | 998.0   | 5.0         | .003  | .001  | .017    | <.001   |
| 998.0   | 1003.0 | As above.                                                                             | 83835         | 998.0     | 1003.0  | 5.0         | .012  | .001  | .022    | <.001   |
| 1003.0  | 1008.0 | As above.                                                                             | 83836         | 1003.0    | 1008.0  | 5.0         | .004  | .001  | .028    | <.001   |
| 1008.0  | 1012.0 | As above.                                                                             | 83837         | 1008.0    | 1012.0  | 4.0         | .004  | .002  | .039    | <.001   |
| 1012.0  | 1016.0 | As above.                                                                             | 83838         | 1012.0    | 1016.0  | 4.0         | .008  | .002  | .078    | <.001   |
| 1016.0  | 1019.0 | As above.                                                                             | 83839         | 1016.0    | 1019.0  | 3.0         | .023  | .002  | .072    | <.001   |
| 1019.0  | 1022.0 | 2 foot quartz vein plus 4 to 5% chalcopryrite stringers.                              | 83840         | 1019.0    | 1022.0  | 3.0         | 2.760 | .003  | .192    | .103    |
| 1022.0  | 1025.0 | 1/2 inch chalcopryrite and pyrite stringer, local DYKE.                               | 83841         | 1022.0    | 1025.0  | 3.0         | .026  | .003  | .044    | <.001   |
| 1025.0  | 1030.5 | Mafic DYKE, no sulphides.                                                             | 83842         | 1025.0    | 1030.5  | 5.5         | .002  | .005  | .050    | <.001   |
| 1030.5  | 1033.0 | 2% disseminated pyrite.                                                               | 83843         | 1030.5    | 1033.0  | 2.5         | .012  | .002  | .022    | <.001   |
| 1033.0  | 1034.0 | Chalcopryrite stringer within a quartz vein.                                          | 83844         | 1033.0    | 1034.0  | 1.0         | 8.950 | .002  | .510    | .225    |
| 1034.0  | 1038.0 | Weak chlorite, 2 to 4% disseminated pyrite.                                           | 83845         | 1034.0    | 1038.0  | 4.0         | .041  | .002  | .039    | .005    |
| 1038.0  | 1043.0 | As above.                                                                             | 83846         | 1038.0    | 1043.0  | 5.0         | .093  | .003  | .039    | .003    |
| 1043.0  | 1048.0 | As above.                                                                             | 83847         | 1043.0    | 1048.0  | 5.0         | .040  | .002  | .061    | <.001   |
| 1048.0  | 1053.0 | As above.                                                                             | 83848         | 1048.0    | 1053.0  | 5.0         | .009  | .001  | .017    | <.001   |
| 1053.0  | 1057.0 | As above.                                                                             | 83849         | 1053.0    | 1057.0  | 4.0         | .018  | .002  | .022    | <.001   |
| 1057.0  | 1060.0 | As above.                                                                             | 83850         | 1057.0    | 1060.0  | 3.0         | .018  | .001  | .017    | <.001   |
| 1060.0  | 1063.0 | 8% chalcopryrite stringers, 1% pyrite.                                                | 83851         | 1060.0    | 1063.0  | 3.0         | 1.640 | .002  | .154    | .017    |
| 1063.0  | 1068.0 | Weak chlorite, sericite and silicification, 3 to 5% disseminated pyrite.              | 83852         | 1063.0    | 1068.0  | 5.0         | .029  | .001  | .028    | <.001   |
| 1068.0  | 1073.0 | As above.                                                                             | 83853         | 1068.0    | 1073.0  | 5.0         | .009  | .001  | .017    | <.001   |
| 1073.0  | 1078.0 | As above.                                                                             | 83854         | 1073.0    | 1078.0  | 5.0         | .008  | .001  | .022    | <.001   |
| 1078.0  | 1083.0 | As above.                                                                             | 83855         | 1078.0    | 1083.0  | 5.0         | .096  | .001  | .039    | <.001   |
| 1083.0  | 1088.0 | As above.                                                                             | 83856         | 1083.0    | 1088.0  | 5.0         | .014  | .002  | .022    | <.001   |
| 1088.0  | 1093.0 | As above.                                                                             | 83857         | 1088.0    | 1093.0  | 5.0         | .062  | .003  | .022    | <.001   |





HOLE # : 311-11

| SAMPLE | FROM<br>ft | TO<br>ft | SiO2<br>% | TiO2<br>% | Al2O3<br>% | FeO†<br>% | MnO<br>% | MgO<br>% | CaO<br>% | Na2O<br>% | K2O<br>% | P2O5<br>% | LOI<br>% | Total<br>% | Cu<br>ppm | Zn<br>ppm | Ag<br>ppm | Au<br>ppb | HAI | SR | AI | NR | VI | PI | Al/Ti |
|--------|------------|----------|-----------|-----------|------------|-----------|----------|----------|----------|-----------|----------|-----------|----------|------------|-----------|-----------|-----------|-----------|-----|----|----|----|----|----|-------|
| 78772  | 197        | 207      | 64.73     | 0.69      | 15.38      | 3.54      | 0.74     | 2.89     | 2.79     | 3.56      | 0.63     | 0.11      | 4.02     | 98.39      | 206       | 31        | <0.1      | 10        | 36  | 4  | 15 | 87 | 1  | 45 | 22    |
| 78773  | 308        | 316      | 68.98     | 0.77      | 16.25      | 3.35      | 0.04     | 3.10     | 1.03     | 1.93      | 1.71     | 0.16      | 3.61     | 100.94     | 15        | 60        | 0.4       | 7         | 62  | 8  | 47 | 20 | 3  | 62 | 21    |
| 78774  | 408        | 418      | 65.58     | 0.79      | 15.58      | 5.89      | 0.04     | 3.98     | 0.80     | 0.91      | 1.96     | 0.11      | 3.62     | 99.27      | 273       | 89        | 0.2       | 13        | 78  | 17 | 68 | 75 | 10 | 81 | 20    |
| 78775  | 508        | 518      | 60.99     | 0.65      | 15.53      | 7.12      | 0.05     | 3.96     | 1.50     | 1.21      | 1.66     | 0.11      | 5.58     | 98.36      | 23        | 54        | <0.1      | 12        | 67  | 13 | 58 | 30 | 4  | 77 | 24    |
| 78776  | 600        | 610      | 66.31     | 0.75      | 14.91      | 2.83      | 0.06     | 1.83     | 2.81     | 1.37      | 2.04     | 0.17      | 5.53     | 98.61      | 14        | 24        | <0.1      | 5         | 48  | 11 | 60 | 37 | 2  | 57 | 20    |
| 78777  | 718        | 728      | 59.56     | 0.71      | 15.27      | 8.20      | 0.08     | 4.10     | 2.85     | 0.85      | 1.48     | 0.12      | 5.26     | 98.49      | 322       | 147       | <0.1      | 11        | 60  | 18 | 64 | 69 | 17 | 83 | 22    |
| 78778  | 798        | 808      | 58.41     | 0.82      | 16.92      | 9.12      | 0.07     | 5.51     | 1.02     | 0.87      | 1.41     | 0.15      | 5.31     | 99.61      | 285       | 60        | <0.1      | 12        | 79  | 19 | 62 | 83 | 7  | 86 | 21    |
| 78779  | 900        | 910      | 68.72     | 0.72      | 13.60      | 5.51      | 0.03     | 2.26     | 1.22     | 0.94      | 1.83     | 0.08      | 4.56     | 99.47      | 325       | 20        | 0.2       | 16        | 65  | 14 | 66 | 94 | 2  | 71 | 19    |
| 78780  | 1000       | 1010     | 71.32     | 0.80      | 14.47      | 4.43      | 0.01     | 1.51     | 0.48     | 0.66      | 2.84     | 0.15      | 3.71     | 100.37     | 40        | 13        | <0.1      | 5         | 79  | 22 | 81 | 75 | 2  | 70 | 18    |
| 78781  | 1099       | 1109     | 68.59     | 0.83      | 14.64      | 5.15      | 0.04     | 2.51     | 1.52     | 0.82      | 2.09     | 0.15      | 4.33     | 100.69     | 284       | 54        | 0.2       | 9         | 66  | 18 | 72 | 84 | 7  | 75 | 18    |
| 78782  | 1200       | 1210     | 58.44     | 0.62      | 16.96      | 8.35      | 0.05     | 5.77     | 0.78     | 0.73      | 1.72     | <0.03     | 5.82     | 99.24      | 421       | 62        | 0.2       | 23        | 83  | 23 | 70 | 87 | 8  | 89 | 27    |

HOLE NO.: 311-14

DIAMOND DRILL LOG

PROJECT: BEVCON  
 PROVINCE: Quebec  
 N.T.S.:  
 TOWNSHIP: Louvicourt  
 RANGE: VII  
 LOT No.: 47  
 CLAIM No.: CG 647-1 / 3531152  
 63% 37%

Date started: September 25, 1990  
 Date completed: September 27, 1990  
 Core size: BQ  
 Drilled by: Forages Alexandre Ltee  
 Logged by: L. Martin

COLLAR LOCATION

LOCAL GRID: 49+50S  
 24+00W  
 SURVEYED GRID:  
 Collar dip: -51.0  
 Collar azimuth: 180.0  
 Collar elevation: 10000.0 feet  
 Total length: 958.0 feet

Sample Numbers: 83995-84000 & 74601-74625

TESTS:

| Depth | Azimuth | Dip   | Depth | Azimuth | Dip   |
|-------|---------|-------|-------|---------|-------|
| 200.0 |         | -50.0 | 600.0 |         | -47.0 |
| 300.0 |         | -49.0 | 700.0 |         | -47.0 |
| 400.0 |         | -48.0 | 800.0 |         | -44.0 |
| 500.0 |         | -48.0 | 900.0 |         | -42.0 |

FOOTAGE

DESCRIPTION

From To

- .0 150.0 OVERBURDEN  
 Numerous boulders, casing left in the hole.
- 150.0 200.0 GRANODIORITE  
 Medium grey colour, massive to brecciated, mottled texture.  
 Moderate to strong silicification, weak chlorite alteration, local sericite alteration.  
 3 to 4% irregular quartz-carbonate veins.  
 Non magnetic, no carbonate alteration.  
 Trace disseminated pyrite and chalcopyrite.  
 Gradational contact with the diorite unit below.  
 No significant faulting or shearing seen in the core.  
 Schistosity at 50 degrees to core axis.
- 200.0 836.5 DIORITE  
 Medium grey green colour, fine to medium grained and massive.  
 Homogenous texture, less altered than above.  
 Weak chlorite alteration, local dykes similar to the above described unit, 1 to 2 feet wide.  
 3% Irregular quartz-carbonate veins, several quartz carbonate veins at 0 to 5 degrees to core axis.  
 Non magnetic, weak to moderate carbonate alteration.  
 Trace pyrite and chalcopyrite commonly associated with the quartz-carbonate veins.  
 No significant shear or fault zones.  
 Schistosity at 50 degrees to core axis.

HOLE NO.: 311-14

FOOTAGE  
From To

DESCRIPTION

307.0 310.0 Quartz-carbonate vein with 4% chalcopyrite, 3% pyrite and geikielite? all within the vein or near and associated with green chlorite.

The vein is irregular yet appears to have a preferred orientation of 0 to 5 degrees to core axis.

Numerous stringers and quartz veins with varying percentage of chalcopyrite.

Most significant chalcopyrite veins located at 371, 377, 500, 527.5, 712.5, 755, 777.5 feet.

386.0 Fault.

438.0 439.5 Lapilli-ash tuff, breccia? with 3% pyrite and up to 1% chalcopyrite, contact at 50 degrees to core axis.

485.0 735.5 Downhole the unit appears to show a gradational change, darker colour, moderate black chlorite.

624.0 626.0 Quartz vein bull white quartz with trace pyrite near the contacts.

626.0 629.0 Shear Sheared quartz carbonate vein, bleached rock with 6% disseminated pyrite.

667.0 Fault.

667.0 672.5 Moderate sericite alteration, 2 to 3% pyrite.

735.5 836.5 Moderate to strong black chlorite alteration.

773.0 774.0 DYKE mafic in composition, sharp contacts at 35 degrees to core axis.

788.0 794.0 DYKE mafic in composition, sharp contacts at 45 degrees to core axis.

836.5 917.5 QUARTZ PORPHYRY

Very different looking unit, distinct by the presence of 15 to 20% quartz phen. crystals?

The quartz is present as grey subrounded blebs 1/4 to 1/8 inch in size.

10 to 15% green chloritic blebs in a pale grey, bleached matrix.

Unit appears moderately sheared.

Non magnetic, no carbonate alteration, 2 to 3% quartz-carbonate veins.

Trace disseminated pyrite.

Unit has moderately sharp contacts.

Schistosity at 50 degrees to core axis.

917.5 958.0 DIORITE

Similar to the above described diorite unit.

Moderate to strong black chlorite alteration.

Fine to medium grained, massive.

Local small mafic dykes.

Non magnetic, no carbonate alteration.

2% Quartz-carbonate veins, trace to <1% pyrite and trace chalcopyrite.

Schistosity at 50 degrees to core axis.

939.0 940.8 DYKE mafic in composition, sharp contacts at 40 degrees to core axis.

949.5 Quartz vein, 2 inches thick with chalcopyrite.

958.0 END OF HOLE

HOLE NO.: AR311-14

ASSAY SAMPLE REPORT

NORTHING: 49+50S  
 EASTING: 24+00W  
 ELEVATION: 10000.00

AZINUTH: 180  
 DIP: -51

| FOOTAGE |       | DESCRIPTION                                                                                  | SAMPLE NUMBER | FROM (ft) | TO (ft) | LENGTH (ft) | CU %  | ZN % | AG oz/t | AU oz/t |
|---------|-------|----------------------------------------------------------------------------------------------|---------------|-----------|---------|-------------|-------|------|---------|---------|
| From    | To    |                                                                                              |               |           |         |             |       |      |         |         |
| .0      | 150.0 | OVERBURDEN                                                                                   |               |           |         |             |       |      |         |         |
| 150.0   | 200.0 | GRANODIORITE                                                                                 |               |           |         |             |       |      |         |         |
| 200.0   | 836.5 | DIORITE                                                                                      |               |           |         |             |       |      |         |         |
| 232.0   | 233.5 | Moderate sericite alteration, 1/4 inch quartz vein with chalcopyrite.                        | 83995         | 232.0     | 233.5   | 1.5         | .426  | .001 | .089    | .002    |
| 305.0   | 307.0 | Minor quartz veining, <1% pyrite.                                                            | 83996         | 305.0     | 307.0   | 2.0         | .023  | .000 | .033    | <.001   |
| 307.0   | 310.0 | 8% quartz-carbonate veins, green chlorite, 4 to 5% chalcopyrite and 3% pyrite.               | 83997         | 307.0     | 310.0   | 3.0         | 2.260 | .019 | .175    | .009    |
| 310.0   | 313.0 | Minor veining, trace pyrite.                                                                 | 83998         | 310.0     | 313.0   | 3.0         | .018  | .010 | .039    | <.001   |
| 370.0   | 371.5 | 5% quartz-carbonate veins, 4% chalcopyrite and 2% pyrite at 45 degrees to core axis.         | 83999         | 370.0     | 371.5   | 1.5         | 1.770 | .009 | .157    | .009    |
| 371.5   | 376.0 | Rare veining, trace pyrite.                                                                  | 84000         | 371.5     | 376.0   | 4.5         | .036  | .006 | .033    | <.001   |
| 376.0   | 378.0 | 4 inch quartz-carbonate vein at 50 degrees to core axis 4% chalcopyrite.                     | 74601         | 376.0     | 378.0   | 2.0         | 3.660 | .009 | .275    | <.001   |
| 378.0   | 382.5 | 6 inch quartz-carbonate vein with trace chalcopyrite, pyrite.                                | 74602         | 378.0     | 382.5   | 4.5         | .379  | .007 | .133    | <.001   |
| 416.5   | 419.0 | 6% quartz and quartz-carbonate veins, <1% chalcopyrite pyrite.                               | 74603         | 416.5     | 419.0   | 2.5         | .015  | .004 | .033    | <.001   |
| 419.0   | 422.0 | 1% chalcopyrite stringers and 2% pyrite.                                                     | 74604         | 419.0     | 422.0   | 3.0         | .513  | .008 | .089    | <.001   |
| 438.0   | 439.5 | FELSIC PYROCLASTIC SEQUENCE with 3% pyrite and <1% chalcopyrite.                             | 74605         | 438.0     | 439.5   | 1.5         | .362  | .009 | .050    | .001    |
| 488.0   | 493.0 | Black chlorite alteration, 1% pyrite and trace chalcopyrite.                                 | 74606         | 488.0     | 493.0   | 5.0         | .207  | .006 | .044    | <.001   |
| 493.0   | 498.0 | As above.                                                                                    | 74607         | 493.0     | 498.0   | 5.0         | .485  | .004 | .083    | .001    |
| 498.0   | 503.0 | 8% irregular quartz-carbonate veins with 2% chalcopyrite.                                    | 74608         | 498.0     | 503.0   | 5.0         | .430  | .005 | .100    | <.001   |
| 503.0   | 508.0 | Black chlorite alteration, minor veining, trace chalcopyrite and pyrite.                     | 74609         | 503.0     | 508.0   | 5.0         | .268  | .004 | .044    | <.001   |
| 527.0   | 528.0 | 2% stringer to disseminated chalcopyrite and trace pyrite.                                   | 74610         | 527.0     | 528.0   | 1.0         | .792  | .003 | .133    | .001    |
| 547.0   | 548.5 | 1 to 2% disseminated chalcopyrite.                                                           | 74611         | 547.0     | 548.5   | 1.5         | .792  | .003 | .167    | <.001   |
| 560.0   | 561.5 | Quartz-carbonate vein at 55 to 60 degrees to core axis, trace chalcopyrite.                  | 74612         | 560.0     | 561.5   | 1.5         | .227  | .003 | .078    | <.001   |
| 569.5   | 571.0 | 1 to 2% chalcopyrite stringers.                                                              | 74613         | 569.5     | 571.0   | 1.5         | .693  | .002 | .144    | .001    |
| 604.0   | 607.0 | Minor quartz-carbonate veins, weak sericite alteration, 1% chalcopyrite, 1 to 2% pyrite.     | 74614         | 604.0     | 607.0   | 3.0         | .124  | .003 | .050    | <.001   |
| 623.0   | 626.0 | Bull white quartz vein with 1% coarse pyrite at the contacts.                                | 74615         | 623.0     | 626.0   | 3.0         | .008  | .004 | .022    | <.001   |
| 626.0   | 629.0 | Sheared quartz-carbonate vein at 60 degrees to core axis with 5% finely disseminated pyrite. | 74616         | 626.0     | 629.0   | 3.0         | .023  | .006 | .033    | <.001   |
| 718.0   | 723.0 | 2 quartz veins of 2 inch thick with chalcopyrite.                                            | 74617         | 718.0     | 723.0   | 5.0         | .674  | .005 | .233    | .001    |
| 754.0   | 756.5 | Strong black chlorite, 2 to 3% chalcopyrite, 3% pyrite.                                      | 74618         | 754.0     | 756.5   | 2.5         | 1.690 | .004 | .228    | .073    |
| 756.5   | 761.0 | Strong black chlorite, trace pyrite.                                                         | 74619         | 756.5     | 761.0   | 4.5         | .028  | .004 | .039    | <.001   |



HOLE # : 311-14

| SAMPLE | FROM<br>ft | TO<br>ft | SiO2<br>% | TiO2<br>% | Al2O3<br>% | FeO<br>% | MnO<br>% | MgO<br>% | CaO<br>% | Na2O<br>% | K2O<br>% | P2O5<br>% | LOI<br>% | Total<br>% | Cu<br>ppm | Zn<br>ppm | Ag<br>ppm | Au<br>ppb | HAI | BR | AI | NR | VI | PI | Al/Ti |
|--------|------------|----------|-----------|-----------|------------|----------|----------|----------|----------|-----------|----------|-----------|----------|------------|-----------|-----------|-----------|-----------|-----|----|----|----|----|----|-------|
| 73991  | 178        | 188      | 68.80     | 0.60      | 15.14      | 2.94     | 0.03     | 2.87     | 1.56     | 4.52      | 0.62     | 0.10      | 2.94     | 100.12     | 17        | 43        | <0.1      | 10        | 36  | 3  | 12 | 28 | 1  | 39 | 25    |
| 73992  | 295        | 305      | 61.14     | 0.57      | 15.21      | 5.35     | 0.08     | 3.90     | 2.98     | 2.69      | 0.67     | 0.06      | 5.36     | 98.01      | 162       | 126       | 0.2       | 10        | 45  | 6  | 20 | 56 | 5  | 39 | 27    |
| 73993  | 400        | 410      | 66.41     | 0.57      | 14.15      | 4.79     | 0.07     | 3.90     | 1.23     | 2.11      | 1.13     | 0.05      | 3.95     | 98.37      | 223       | 88        | <0.1      | 13        | 60  | 7  | 35 | 72 | 4  | 65 | 25    |
| 73994  | 508        | 518      | 63.13     | 0.69      | 16.19      | 6.52     | 0.05     | 4.01     | 0.72     | 0.60      | 2.01     | 0.09      | 4.01     | 98.01      | 330       | 59        | <0.1      | 5         | 82  | 27 | 77 | 85 | 10 | 87 | 23    |
| 73995  | 608        | 618      | 61.39     | 0.90      | 16.96      | 8.11     | 0.03     | 4.35     | 0.37     | 0.59      | 2.11     | 0.05      | 4.16     | 99.01      | 359       | 64        | 0.2       | 10        | 87  | 29 | 78 | 85 | 11 | 88 | 19    |
| 73996  | 698        | 708      | 62.09     | 0.69      | 16.13      | 8.49     | 0.03     | 5.34     | 0.30     | 0.52      | 1.94     | 0.05      | 4.58     | 100.16     | 451       | 50        | <0.1      | 25        | 90  | 31 | 79 | 90 | 10 | 91 | 23    |
| 73997  | 800        | 810      | 62.08     | 0.86      | 14.69      | 8.51     | 0.03     | 5.30     | 0.24     | 0.42      | 1.71     | 0.05      | 4.31     | 98.21      | 1040      | 50        | 0.2       | 5         | 91  | 35 | 80 | 95 | 12 | 93 | 17    |
| 73998  | 900        | 910      | 65.19     | 0.39      | 15.71      | 6.04     | 0.07     | 3.88     | 1.36     | 0.70      | 2.09     | <0.03     | 4.81     | 100.24     | 384       | 48        | <0.1      | 5         | 74  | 22 | 75 | 89 | 7  | 85 | 40    |
| 73999  | 944        | 954      | 66.88     | 0.90      | 14.88      | 6.31     | 0.02     | 3.69     | 0.32     | 0.49      | 1.92     | <0.03     | 3.56     | 98.99      | 1352      | 52        | 0.3       | 36        | 87  | 30 | 80 | 96 | 11 | 88 | 17    |