

810629

INTER OFFICE MEMO

CYPRUS EXPLORATION CORPORATION LTD.
VANCOUVER OFFICE

| | | |
|-------------|-------------|---|
| TO | REPLY | |
| | COMMENT | |
| RETURN TO | | |
| OCT 19 1970 | | |
| | <i>JBPS</i> | 5 |
| 2 | | 6 |
| 3 | | 7 |
| 4 | | 8 |

Date: October 16, 1970.

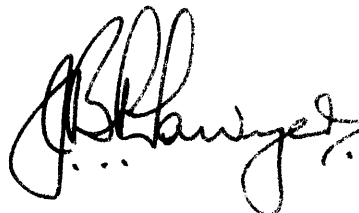
To: C. A. Mark
From: J. B. P. Sawyer
Subject: Big Onion Drill Logs and Assays

Reference: 659-CVL

Enclosed please find Drill Logs for Holes C-1 through C-12 for Big Onion. I am also enclosing copies of the latest Assay Certificates giving results of assays on drill core from C-12 and C-13.

I think you will see that there are several interesting sections in C-12 and a very long intersection, close to 900 ft., which has a better copper assay than Brenda. It is unfortunate that this material doesn't run a couple of tenths higher, however we feel that this prospect is still worth some serious study. We intend to run check moly assays on most of this core.

Carew McFall is presently preparing some more drill sections for the latest holes, which will be forwarded to you in the near future.



JBPS:jmh
Encls.

Copy to: W.O. Irish ✓

Location: 15+55N, 3+45W
 Depth 0 450' 850' 1350'
 Bearing S80E S80E N88E N88E
 Dip -45° -48° -52° -58°
 Elevation: 3590'

Started: June 14, 1970
 Completed: June 23, 1970
 Ultimate Depth: 1350'
 Logged By: C. McFall

Drilled By: D.W. Coates Enterprises
 Assays by: TSL, Smithers
 Check Assays By: Coast Eldridge, Vancouver

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS (Est.) | | | | | ACCUMULATIVE AVERAGES | | | | |
|------|-----|--|-------------|----|-----------|------------|---------------|--------|------|------|-----|-----------------------|------|------|------|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | AU OZ. | AG OZ. | % CU | Mo | Py | Depth | CU % | Mo | | |
| 0 | 17 | Overburden | | | | | 10 | 20 | 0.02 | 0.01 | 2.0 | 0 | 400 | .018 | .008 | |
| 17 | 261 | Silicified andesite, mottled, very light gray, with disseminated pyrite, locally leached leaving very small voids with minor yellowish brown limonite, 17'-35' locally with some chalcocite, with pyrite concentrated on fractures and where leached leaving planar voids, moderately fractured, below 45' with minor calcite fracture fillings, 210-212 with ghosts of phenocrysts ? below 220 with few fractures | | | | | 20 | 30 | 0.03 | Tr | 2.0 | 500 | 700 | .070 | .013 | |
| | | | | | | | 30 | 40 | 0.01 | Tr | 1.0 | 700 | 770 | .100 | .027 | |
| | | | | | | | 40 | 50 | 0.01 | Tr | 2.0 | 770 | 900 | .410 | .036 | |
| | | | | | | | 50 | 60 | Tr | Tr | 2.0 | 900 | 1000 | .225 | .026 | |
| | | | | | | | 60 | 70 | Tr | 0.01 | 3.0 | 1000 | 1130 | .313 | .018 | |
| | | | | | | | 70 | 80 | Tr | Tr | 3.0 | 1130 | 1350 | .023 | .004 | |
| | | | | | | | 80 | 90 | Tr | Tr | 3.0 | | | | | |
| | | | | | | | 90 | 100 | 0.01 | 0.01 | 2.0 | 770 | 1130 | .326 | .027 | |
| | | | | | | | 100 | 110 | Tr | Tr | 2.0 | | | | | |
| | | | | | | | 110 | 120 | Tr | Tr | 2.0 | | | | | |
| | | | | | | | 120 | 130 | | | 2.0 | | | | | |
| | | | | | | | 130 | 140 | 0.06 | Tr | 2.0 | | | | | |
| | | | | | | | 140 | 150 | 0.01 | Tr | 2.0 | | | | | |
| | | | | | | | 150 | 160 | Tr | 0.02 | 2.0 | | | | | |
| | | | | | | | 160 | 170 | Tr | 0.02 | 2.0 | | | | | |
| | | | | | | | 170 | 180 | 0.02 | 0.01 | 2.0 | | | | | |
| | | | | | | | 180 | 190 | 0.01 | 0.04 | 2.0 | | | | | |
| | | | | | | | 190 | 200 | 0.20 | Tr | 2.0 | | | | | |
| | | | | | | | 200 | 210 | 0.01 | Tr | 1.0 | | | | | |
| | | | | | | | 210 | 220 | 0.04 | 0.02 | 1.0 | | | | | |
| | | | | | | | 220 | 230 | 0.01 | 0.01 | | | | | | |
| | | | | | | | 230 | 240 | Tr | Tr | | | | | | |
| | | | | | | | 240 | 250 | Tr | Tr | | | | | | |
| | | | | | | | 250 | 260 | Tr | Tr | | | | | | |

Note: Pyrite content estimated

DIAMOND DRILL RECORD

| DESCRIPTION | | | CHECK DRILL ASSAYS | | | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | | |
|---|-----|--|-------------------------------|----|-----------|------------|--------|--------|------|-----|-----|-----------------------|------|------|--|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | AU OZ. | AG OZ. | % CU | Mo | Py | AU W | AG W | CU W | | |
| 388 | 535 | Chilled border on quartz diorite pluton mottled light gray but with cloudy feldspar phenocrysts highly silicified, locally highly fractured with disseminated pyrites at 435' with 1/2 foot zone of clean cavernous voids with 2% chalcopyrite, 441'-443' with slight kaolinization, 485'-510', grading into very fine-grained quartz diorite, 510-535 partly to intensely silicified, and locally quite altered and with traces of bornite. | | | | | 390 | 400 | .02 | .02 | | | | | | |
| | | | | | | | 400 | 410 | Tr | | 2.0 | | | | | |
| | | | | | | | 410 | 420 | Tr ? | | 1.0 | | | | | |
| | | | | | | | 420 | 430 | Tr ? | | 2.0 | | | | | |
| | | | | | | | 430 | 440 | .1 | | 2.0 | | | | | |
| | | | | | | | 440 | 450 | Tr | | 2.0 | | | | | |
| | | | | | | | 450 | 460 | Tr | | 2.0 | | | | | |
| | | | | | | | 460 | 470 | .05 | | 4.0 | | | | | |
| | | | | | | | 470 | 480 | .05 | | 4.0 | | | | | |
| | | | | | | | 480 | 490 | Tr | | 2.0 | | | | | |
| 535 | 537 | Diorite porphyry dike with very fine to medium grained groundmass and small plagioclase laths as phenocrysts, with pyrite and traces of bornite and molybdenite. | | | | | 490 | 500 | Tr | | 1.0 | | | | | |
| | | | | | | | 500 | 510 | .03 | .01 | 1.0 | | | | | |
| | | | | | | | 510 | 520 | .04 | .02 | 4.0 | | | | | |
| | | | | | | | 520 | 530 | .09 | .01 | 6.0 | | | | | |
| 537 | 700 | Chilled border on quartz diorite pluton, partly to intensely silicified, generally mottled off-white and light gray, with disseminated pyrite, with traces of bornite, and molybdenite, moderately to highly fractured, locally with some kaolinization along fractures, locally angular, | | | | | 530 | 540 | .12 | .02 | 2.0 | | | | | |
| | | | | | | | 540 | 550 | .04 | .02 | 3.0 | | | | | |
| | | | | | | | 550 | 560 | .11 | .02 | 2.0 | | | | | |
| | | | | | | | 560 | 570 | .12 | .01 | 3.0 | | | | | |
| | | | | | | | 570 | 580 | .07 | .01 | 2.0 | | | | | |
| | | | | | | | 580 | 590 | .08 | .01 | 0.5 | | | | | |
| | | | | | | | 590 | 600 | .06 | .02 | 0.5 | | | | | |
| | | | | | | | 600 | 610 | .09 | .01 | 0.7 | | | | | |
| | | | | | | | 610 | 620 | .06 | .01 | 0.7 | | | | | |
| Note: 400-500 not assayed; estimated only | | | | | | | | | | | | | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CHECK XXXXXXXXXX ASSAYS | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | | |
|------|------|--|------------------------------------|----|-----------------------------|-----------------------------|--------|--------|------|-----------------------|-----|------|------|------|
| FROM | TO | | FROM | TO | XXXXXXXXXX Cu | XXXXXXXXXX Mo | AU OZ. | AG OZ. | % CU | Mo | Py | AU W | AG W | CU W |
| | | | | | | | 620 | 630 | .03 | Tr | 1.0 | | | |
| | | with some calcite and quartz fracture fillings | | | | | 630 | 640 | .06 | .01 | 1.0 | | | |
| | | and vug encrustations, with some magnetite | | | | | 640 | 650 | .06 | .02 | 0.7 | | | |
| | | and minor hematite, below 613' with some | | | | | 650 | 660 | .07 | .01 | 1.0 | | | |
| | | chalcopryrite Gradational Contact | | | | | 660 | 670 | .04 | .01 | 1.0 | | | |
| | | | | | | | 670 | 680 | .05 | .02 | 1.0 | | | |
| | | | | | | | 680 | 690 | .07 | .02 | 1.0 | | | |
| | | | | | | | 690 | 700 | .08 | .01 | 1.0 | | | |
| 700 | 736 | Quartz diorite, greenish gray, medium-grained, | | | | | 700 | 710 | .06 | .02 | 0.5 | | | |
| | | with some disseminated pyrite especially on | | | | | 710 | 720 | .06 | .02 | 0.7 | | | |
| | | fractures, with some chlorite (?) with slight | | | | | 720 | 730 | .23 | .03 | 0.5 | | | |
| | | kaolinization, with traces of bornite, with | | | | | 730 | 740 | .08 | .02 | 0.7 | | | |
| | | some molybdenfte on fractures, locally with | | | | | 740 | 750 | .06 | .04 | 1.5 | | | |
| | | vugs lined partly with calcite or quartz. | | | | | 750 | 760 | .07 | .02 | 1.5 | | | |
| 736 | 1015 | Chilled phase of quartz diorite pluton as 536' | | | | | 760 | 770 | .13 | .04 | 2.0 | | | |
| | | - 700' but with disseminated chalcopryrite, | | | | | 770 | 780 | .22 | .05 | 2.0 | | | |
| | | locally coarser grained, locally below 922' | | | | | 780 | 790 | .68 | .06 | 2.0 | | | |
| | | with epidote alteration at 960' with a 6" cal- | | | | | 790 | 800 | .57 | .06 | 2.0 | | | |
| | | cite vein at 970' with fault marked by driller | | | | | 800 | 810 | .36 | .04 | 3.0 | | | |
| | | at 978' with a 3" calcite vein at 998'-1000' | | | | | 810 | 820 | .27 | .04 | 3.0 | | | |
| | | sheared Gradational Contact | | | | | 820 | 830 | .32 | .03 | 4.5 | | | |
| | | | | | | | 830 | 840 | .26 | .01 | 3.5 | | | |
| | | | | | | | 840 | 850 | .31 | .01 | 2.5 | | | |
| | | | | | | | 850 | 860 | .56 | .03 | 2.0 | | | |
| | | | | | | | 860 | 870 | .73 | .04 | 2.0 | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CHECK | | X X X X X ASSAYS | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | | |
|------|------|--|-------|------|------------------|-----------|--------|--------|------|-----|-----|-----------------------|------|------|--|--|
| FROM | TO | | FROM | TO | X X X X X | X X X X X | AU OZ. | AG OZ. | % CU | Mo | Py | AU W | AG W | CU W | | |
| | | | | | | Cu | Mo | 870 | 880 | .64 | .03 | 1.0 | | | | |
| | | | | | | | | 880 | 890 | .13 | .03 | 0.5 | | | | |
| | | | | | | | | 890 | 900 | .37 | .04 | 2.0 | | | | |
| | | | | | | | | 900 | 910 | .24 | .08 | 2.0 | | | | |
| | | | | | | | | 910 | 920 | .36 | .03 | 2.0 | | | | |
| 1015 | 1211 | Quartz diorite, greenish gray, medium-grained | 920 | 930 | .16 | .008 | 920 | 930 | .16 | .02 | 2.0 | | | | | |
| | | otherwise as above. | | | | | 930 | 940 | .15 | Tr | 2.5 | | | | | |
| | | - at 1025' with minor chalcocite on pyrite | | | | | 940 | 950 | .11 | .01 | 2.0 | | | | | |
| | | - at 1040' with minor hematite after magnetite | | | | | 950 | 960 | .08 | Tr | 2.0 | | | | | |
| | | - below 1047' with increasing magnetite | | | | | 960 | 970 | .26 | .03 | 2.0 | | | | | |
| | | - at 1100' very fractured and sheared | 970 | 980 | .17 | .008 | 970 | 980 | .18 | .01 | 2.0 | | | | | |
| | | - below 1125' with considerable hematite after | | | | | 980 | 990 | .34 | .04 | 3.0 | | | | | |
| | | magnetite, also with considerable epidote | | | | | 990 | 1000 | .37 | .04 | 5.0 | | | | | |
| | | alteration | | | | | 1000 | 1010 | .57 | .05 | 6.0 | | | | | |
| | | - at 1176' shear zone and "mud seam" marked | | | | | 1010 | 1020 | .18 | .01 | 3.5 | | | | | |
| | | by driller | 1020 | 1030 | .30 | .005 | 1020 | 1030 | .30 | .02 | 3.0 | | | | | |
| | | - below 1193' highly sheared | | | | | 1030 | 1040 | .20 | .01 | 3.0 | | | | | |
| | | - at 1200' a quartz vein | | | | | 1040 | 1050 | .26 | .01 | 3.5 | | | | | |
| | | | | | | | 1050 | 1060 | .33 | .02 | 5.0 | | | | | |
| | | | | | | | 1060 | 1070 | .27 | .01 | 6.0 | | | | | |
| | | | 1070 | 1080 | .44 | .004 | 1070 | 1080 | .44 | .01 | 6.0 | | | | | |
| | | | | | | | 1080 | 1090 | .23 | .01 | 0.7 | | | | | |
| | | | | | | | 1090 | 1100 | .25 | .02 | 2.5 | | | | | |
| | | | | | | | 1100 | 1110 | .16 | .02 | 4.0 | | | | | |
| | | | | | | | 1110 | 1120 | .36 | .01 | 3.0 | | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CHECK | | ASSAYS | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | | |
|------|------|--|-------|------|------------|------------|--------|--------|------|-----|-----|-----------------------|------|------|--|--|
| FROM | TO | | FROM | TO | XXXXXXXXXX | | AU OZ. | AG OZ. | % CU | Mo | Py | AU W | AG W | CU W | | |
| | | | | | XXXXXXXXXX | XXXXXXXXXX | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 1211 | 1213 | Silicified fault gouge, light yellowish gray | 1120 | 1130 | .52 | 0.017 | 1120 | 1130 | .52 | .03 | 3.5 | | | | | |
| 1213 | 1302 | Silicified andesite, white, with some disseminated pyrite, well fractured | | | | | 1130 | 1140 | .19 | .01 | 2.5 | | | | | |
| | | | | | | | 1140 | 1150 | .01 | .01 | 1.5 | | | | | |
| 1302 | 1350 | Andesite, gray to greenish gray, fine-grained, with some disseminated pyrite, with traces of chalcopyrite and molybdenite, with moderate fracturing, below 1310' with local epidote alteration, locally with magnetite and sparse hematite on fractures. | | | | | 1150 | 1160 | .01 | Tr | 2.0 | | | | | |
| | | | | | | | 1160 | 1170 | .01 | Tr | 2.0 | | | | | |
| | | | | | | | 1170 | 1180 | .01 | Tr | 3.5 | | | | | |
| | | | | | | | 1180 | 1190 | .03 | Tr | 7.0 | | | | | |
| | | | | | | | 1190 | 1200 | .01 | Tr | | | | | | |
| | | | | | | | 1200 | 1210 | .01 | Tr | 3.0 | | | | | |
| | | | | | | | 1210 | 1220 | .02 | .01 | 2.5 | | | | | |
| | | | | | | | 1220 | 1230 | .01 | .02 | 2.0 | | | | | |
| | | | | | | | 1230 | 1240 | .02 | .01 | 1.0 | | | | | |
| | | | | | | | 1240 | 1250 | .02 | Tr | 1.0 | | | | | |
| | | | | | | | 1250 | 1260 | .02 | Tr | 1.0 | | | | | |
| | | | | | | | 1260 | 1270 | .02 | Tr | 1.0 | | | | | |
| | | | | | | | 1270 | 1280 | .02 | .02 | 1.0 | | | | | |
| | | | | | | | 1280 | 1290 | .01 | Tr | 1.0 | | | | | |
| | | | | | | | 1290 | 1300 | .01 | Tr | 1.0 | | | | | |
| | | | | | | | 1300 | 1310 | .01 | .01 | 1.0 | | | | | |
| | | | | | | | 1310 | 1320 | .02 | Tr | 1.0 | | | | | |
| | | | | | | | 1320 | 1330 | .01 | Tr | 1.0 | | | | | |
| | | | | | | | 1330 | 1340 | .01 | Tr | 1.0 | | | | | |
| | | | | | | | 1340 | 1350 | .01 | Tr | 1.0 | | | | | |

North: 22+85 Depth Bearing Dip
 West: 14+30 0 S70E -45°
 Elevation: About 4050' 500 S75E -52°
 Logged By: C. McFall 1000 N87E -63-1/2°
 (Recovery: Essentially 100%) 1426 N80E -67°

Ultimate Depth: 1616'

Commenced: June 24, 1970

Finished: July 5, 1970 (to 1426')

BIG ONION

Drilled by: D.W. Coates Enterprises
 Assays by: TSL, Smithers

HOLE NO. C-2
 Deepened:

PAGE 1
 Commenced: Aug. 27, 1970
 Finished: Aug. 28, 1970

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | (Est.) | (Est.) | ACCUMULATIVE AVERAGES | | | |
|------|-----|---|-------------|----|-----------|------------|---------|------|-----|---------|-----------|-----------------------|------|--|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM TO | % CU | MO | PY-RITE | MAGNETITE | AG W | CU W | | |
| 0 | 14 | Overburden (casing to 23') | | | | | 10 | 20 | .02 | .02 | Tr | - | | | |
| 14 | 80 | Andesite, greenish gray, very fine-grained to aphanitic, highly fractured and vuggy with considerable epidote alteration below 38' with considerable calcite fracture fillings and with disseminated magnetite below 75' (altering to limonite above 75'). | | | | | 40 | 60 | .02 | .01 | 0.5 | 4.0 | | | |
| 80 | 94 | Silicified andesite, very light gray, mottled dark gray and light greenish gray, with much magnetite and pyrite, moderately fractured, slightly argillized. | | | | | 80 | 100 | .02 | .02 | 2.5 | 6.0 | | | |
| 94 | 200 | Andesite, dark greenish gray, very fine-grained to aphanitic, highly fractured with clay, limonite, and some hematite on fractures, with magnetite and pyrite and considerable epidote alteration especially on fractures, some calcite vug fillings, only moderately fractured below 180'. | | | | | 120 | 140 | .03 | Tr | 2.0 | 3.0 | | | |
| | | | | | | | 160 | 180 | Tr | .01 | 2.0 | 3.0 | | | |
| | | | | | | | 200 | 220 | .01 | .01 | 1.5 | 2.0 | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS (Est.) | | | | | (Est.) ACCUMULATIVE AVERAGES | | |
|------|------|----|---|-------------|----|-----------|------------|---------------|------|------|-----|---------|------------------------------|------|------|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | PY-RITE | MAGNETITE | AG W | CU W |
| 380 | 586 | | Silicified rhyolite (?) mottled off-white and gray with disseminated pyrite and locally traces of molybdenite and bornite, not highly fractured, locally with ghosts of feldspar phenocrysts, with many small healed fractures, with local kaolinization especially 508-523, especially (gradational contact) mottled, 540-555 | | | | | 400 | 420 | .01 | .01 | 2.0 | | | |
| | | | | | | | | 440 | 460 | .01 | .01 | 2.0 | | | |
| | | | | | | | | 480 | 500 | .01 | Tr | 2.0 | | | |
| | | | | | | | | 520 | 540 | .01 | Tr | 2.0 | | | |
| | | | | | | | | 560 | 580 | .04 | Tr | 2.0 | | | |
| | | | | | | | | 600 | 620 | .05 | .01 | 2.5 | | | |
| 586 | 1294 | | Quartz diorite, fine to medium-grained, gray to greenish gray, with disseminated pyrite and lesser chalcopyrite and traces of molybdenite, locally with magnetite altering to hematite, locally with considerable epidote alteration, locally silicified, mottled light gray and greenish gray, locally vuggy, with chalcocite (?) 630'-670', below 840' especially silicified and locally slightly kaolinized. 965'-971', fine-grained, light greenish gray, with abundant epidote. 971' - 980', as above but highly sheared. 980'-1008', altered, greenish gray, medium-grained. 1008'-1013', highly sheared. 1013'-1294', altered, light gray to light greenish gray, medium-grained, with considerable vein quartz, 1133'-1135', quite vuggy. 1141'-1143', highly sheared. 1194'-1202', with hematite 1226'-1294', highly fractured | | | | | 630 | 640 | .22 | .03 | 3.0 | | | |
| | | | | | | | | 640 | 660 | .09 | .02 | 3.0 | | | |
| | | | | | | | | 680 | 700 | .09 | .02 | 3.0 | | | |
| | | | | | | | | 720 | 740 | .08 | .01 | 2.0 | | | |
| | | | | | | | | 760 | 780 | .04 | .01 | 1.0 | | | |
| | | | | | | | | 800 | 820 | .22 | .01 | 3.0 | | | |
| | | | | | | | | 840 | 860 | .18 | .01 | 3.0 | | | |
| | | | | | | | | 880 | 900 | .26 | .02 | 3.0 | | | |
| | | | | | | | | 920 | 930 | .06 | .01 | 3.0 | | | |
| | | | | | | | | 940 | 950 | .05 | .01 | 3.0 | | | |
| | | | | | | | | 960 | 980 | .10 | Tr | 3.0 | | | |
| | | | | | | | | 1000 | 1020 | .04 | .01 | 0.7 | | | |
| | | | | | | | | 1040 | 1060 | .05 | Tr | 0.3 | | | |
| | | | | | | | | 1080 | 1100 | .06 | .01 | 0.3 | | | |
| | | | | | | | | 1120 | 1140 | .05 | .01 | 0.3 | | | |
| | | | | | | | | 1160 | 1180 | .01 | Tr | 1.0 | | | |
| | | | | | | | | 1200 | 1220 | .07 | .01 | 0.3 | | | |
| | | | | | | | | 1240 | 1260 | .14 | .01 | 2.0 | | | |
| | | | | | | | | 1260 | 1280 | .12 | .01 | 2.0 | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS (Est.) | | | | ACCUMULATIVE AVERAGES | | | | |
|------|------|----|---|-------------|----|-----------|------------|---------------|------|------|------|-----------------------|------|------|------|--|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | PY-RITE | AU W | AG W | CU W | |
| 1294 | 1434 | | Chilled border phase, (grades into) alternately | | | | | 1280 | 1300 | .07 | .02 | 2.0 | | | | |
| | | | (1) intensely and (2) moderately silicified, respect- | | | | | 1320 | 1340 | .13 | .01 | 1.5 | | | | |
| | | | ively (1) light gray to off-white and (2) light | | | | | 1340 | 1360 | .16 | .02 | 0.5 | | | | |
| | | | greenish gray, with disseminated pyrite, some chalcopryrite | | | | | 1360 | 1380 | .18 | .02 | 0.5 | | | | |
| | | | and traces of molybdenite, with veinlets of gypsum, | | | | | 1380 | 1400 | .15 | .03 | 0.5 | | | | |
| | | | calcite, and quartz, with increased chalcopryrite and | | | | | 1400 | 1420 | .15 | .02 | 0.3 | | | | |
| | | | with considerable epidote alteration below 1325', | | | | | 1420 | 1426 | .46 | .02 | 0.3 | | | | |
| | | | with medium to coarse porphyritic texture with | | | | | 1426 | 1430 | 0.31 | Tr | | | | | |
| | | | fine-grained lenses 1350'-1369' (sheared contact) | | | | | 1430 | 1440 | 0.12 | Tr | | | | | |
| | | | | | | | | 1440 | 1450 | 0.32 | 0.01 | | | | | |
| 1434 | 1441 | | Silicified andesite mottled light gray to pale greenish | | | | | 1450 | 1460 | 0.10 | 0.01 | | | | | |
| | | | gray, highly fractured and sheared, with kaolinization | | | | | 1460 | 1470 | 0.19 | Tr | | | | | |
| | | | with disseminated pyrite, chalcopryrite, magnetite and | | | | | 1470 | 1480 | 0.08 | Tr | | | | | |
| | | | with some epidote and hematite, with veinlets of | | | | | 1480 | 1490 | 0.10 | 0.01 | | | | | |
| | | | gypsum and calcite. | | | | | 1490 | 1500 | 0.20 | Tr | | | | | |
| | | | | | | | | 1500 | 1510 | 0.06 | Tr | | | | | |
| | | | | | | | | 1520 | 1530 | 0.21 | Tr | | | | | |
| | | | | | | | | 1540 | 1550 | 0.15 | Tr | | | | | |
| | | | | | | | | 1560 | 1570 | 0.02 | 0.01 | | | | | |
| | | | | | | | | 1580 | 1590 | 0.02 | Tr | | | | | |
| | | | | | | | | 1600 | 1610 | 0.02 | Tr | | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|--|-------------|----|-----------|------------|--------|-----|------|------|-----------------------|------|------|------|
| FROM | TO | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | % MO | PY-RITE | AU W | AG W | CU W |
| | | 753-853 continued quartz diorite, gray to greenish gray, medium-grained with some fine-grained zones, locally silicified, with some to much epidote along irregular fractures, moderately fractured with some patchy disseminated pyrite and chalcopyrite, with some chloritization, locally with minor hematite after magnetite | | | | | 740 | 760 | .10 | .02 | 0.5 | | | |
| | | | | | | | 780 | 800 | .07 | .02 | 0.4 | | | |
| | | | | | | | 820 | 840 | .11 | .04 | 0.5 | | | |
| | | Sheared Contact | | | | | | | | | | | | |
| 853 | 914 | Silicified, chilled phase on quartz diorite pluton, mottled light and medium gray, with some chloritization with minor disseminated pyrite and lesser chalcopyrite and a few traces of moly, relatively unfractured, grading down through a sheared section to: | | | | | 860 | 880 | .12 | .04 | 0.5 | | | |
| 914 | 920 | chilled phase on quartz diorite pluton, gray, fine to medium-gray, moderately fractured to relatively unfractured | | | | | 900 | 920 | .19 | .02 | 0.5 | | | |
| 920 | 938 | Silicified andesite (?), mottled gray and greenish gray, relatively unfractured, with some epidote, with quartz veinlets, with disseminated pyrite, magnetite, and lesser chalcopyrite and traces of molybdenum | | | | | | | | | | | | |
| 938 | 968 | Andesite, somewhat altered, greenish gray, fine to medium-grained, relatively unfractured, locally with considerable disseminated magnetite, with some disseminated pyrite and lesser chalcopyrite, with some veinlets of quartz and epidote, with some hematite after magnetite | | | | | 940 | 960 | .03 | .01 | 1 | | | |
| | | | | | | | 960 | 968 | .02 | .01 | 1 | | | |

Location: 28+60N, 0+90E
 Started: July 15, 1970
 Completed: July 19, 1970
 Ultimate Depth: 737 feet
 Elevation: 3740 feet

| Depth | Bearing | Dip |
|-------|---------|------|
| 0 | N60W | -65° |
| 500 | N52W | -66° |
| 737 | N48W | -64° |

Logged by: C. C. McFall
 Drilled by: D. W. Coates Enterprises
 Recovery: Essentially 100%
 Assays by: TSL, Smithers, L.B.C.

DIAMOND DRILL RECORD

| DESCRIPTION | | | CORE LENGTH | | | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | |
|-------------|-----|--|-------------|-----|-----------|------------|--------|--------|------|------|---------|-----------------------|-------------------|------|------|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | AU OZ. | AG OZ. | % CU | % MO | PY-RITE | FROM XXX | TO XXX | CU W | MO |
| 0 | 40 | Overburden | 40 | 50 | | | | .02 | Tr | - | | | | | |
| 40 | 104 | Quartz diorite, slightly porphyritic and locally highly altered, very light gray to greenish gray, highly stained with limonite on the abundant fractures and vugs, 64'-95' with some malachite below 64', with pyrite and some disseminated chalcopryrite 100-104, partly silicified (sheared contact) | 50 | 60 | | | | .05 | .01 | - | | | | | |
| | | | 60 | 70 | | | | .14 | .01 | - | | | | | |
| | | | 70 | 80 | | | | .10 | .02 | - | | | | | |
| | | | 80 | 90 | | | | .11 | .02 | 1 | | | | | |
| | | | 90 | 100 | | | Tr | Tr | .44 | .04 | 2 | 90 | 560 | .586 | .025 |
| | | | 100 | 110 | | | | .49 | .04 | 1 | | | | | |
| 104 | 185 | Chilled phase on quartz diorite pluton, greenish gray, fine-grained to porphyritic, highly fractured and vuggy, locally sheared and altered, with disseminated chalcopryrite and minor pyrite with some chalcopryrite and with traces of bornite and molybdenite, locally with limonite on vugs and fractures, with considerable chalcopryrite near 185, with magnetite and secondary hematite 170-185 (sheared contact) | 110 | 120 | | | | .58 | .02 | 1 | | | | | |
| | | | 120 | 130 | | | Tr | Tr | .82 | .03 | 1 | | | | |
| | | | 130 | 140 | | | | .61 | .02 | 1 | | | | | |
| | | | 140 | 150 | | | | .57 | .02 | 1 | | | | | |
| | | | 150 | 160 | | | Tr | Tr | .96 | .02 | 1 | | | | |
| | | | 160 | 170 | | | | .38 | .03 | 1 | | | | | |
| | | | 170 | 180 | | | | .52 | .01 | 1 | | | | | |
| | | | 180 | 190 | | | .01 | Tr | .20 | .02 | 1 | | | | |
| | | | | | | | | | | | | | | | |
| 185 | 223 | Andesite, greenish-gray, fine-grained with considerable epidote especially on the many fractures and vugs, with disseminated pyrite, chalcopryrite, and magnetite and with some hematite locally. (Sheared Contact) | 190 | 200 | | | | .38 | .01 | 1 | | | | | |
| | | | 200 | 210 | | | | .37 | .02 | | | | | | |
| | | | 210 | 220 | | | .01 | Tr | .27 | .01 | | | | | |
| | | | 220 | 230 | | | | .68 | .02 | | | | | | |

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|---|-------------|-----|-----------|------------|--------|--------|------|-----|---------|------------------------|----------------------|------|----|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | AU OZ. | AG OZ. | % CU | %MO | PY-RITE | FROM XXX | TO XXX | CU W | MO |
| 223 | 307 | Chilled phase on quartz diorite pluton, greenish gray, highly altered locally with considerable disseminated chalcopyrite and magnetite, highly fractured and with many vugs | 230 | 240 | | | .01 | Tr | 2.44 | .02 | | | | | |
| | | | 240 | 250 | | | | | .64 | .01 | | | | | |
| | | | 250 | 260 | | | | | .85 | .02 | | | | | |
| | | | 260 | 270 | | | .01 | Tr | 1.30 | .01 | | | | | |
| | | | 270 | 280 | | | | | .72 | .01 | | | | | |
| | | | 280 | 290 | | | | | .78 | .02 | | | | | |
| | | | 290 | 300 | | | .01 | Tr | .65 | .01 | | | | | |
| 307 | 324 | Silicified chilled phase, off-white, highly fractured and locally sheared with chlorite (?) and some molybdenite on shears, with some disseminated pyrite and chalcopyrite, with some magnetite locally | 300 | 310 | | | | | .58 | .03 | | | | | |
| | | | 310 | 320 | | | | | .24 | .03 | | | | | |
| | | | 320 | 330 | | | Tr | Tr | .84 | .03 | 1 | | | | |
| | | | 330 | 340 | | | | | .97 | .04 | 1 | | | | |
| | | | 340 | 350 | | | | | 1.00 | .03 | 1 | | | | |
| 324 | 433 | Chilled phase on quartz diorite pluton, dark greenish gray, fine-grained, highly fractured, with some epidote especially on fractures, with some disseminated pyrite and chalcopyrite (Gradational Contact) | 350 | 360 | | | Tr | Tr | .55 | .03 | 1 | | | | |
| | | | 360 | 370 | | | | | .36 | .04 | 2 | | | | |
| | | | 370 | 380 | | | | | .44 | .02 | 2 | | | | |
| | | | 380 | 390 | | | Tr | Tr | .46 | .03 | 2 | | | | |
| | | | 390 | 400 | | | | | .41 | .03 | 2 | | | | |
| | | | 400 | 410 | | | | | .54 | .04 | 2 | | | | |
| | | | 410 | 420 | | | | | .47 | .04 | 2 | | | | |
| | | | 420 | 430 | | | | | .72 | .02 | 2 | | | | |

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | | |
|------|-----|---|-------------|-----|-----------|------------|--------|--------|------|-----|---------|-----------------------|------|------|--|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | AU OZ. | AG OZ. | % CU | %MO | PY-RITE | AU W | AG W | CU W | | |
| 433 | 495 | Mottled off-white and greenish gray to gray, partly silicified and kaolinized chilled phase on quartz diorite pluton, locally with splotches altered to flesh pink, with numerous healed hairline fractures, locally below 470' with intense kaolinization, with disseminated pyrite, lesser chalcopyrite, and traces of molybdenite. | 430 | 440 | | | | | .70 | .02 | 1 | | | | | |
| | | | 440 | 450 | | | | | .33 | .02 | 1 | | | | | |
| | | | 450 | 460 | | | | | .26 | .02 | 1 | | | | | |
| | | | 460 | 470 | | | | | .24 | .02 | 1 | | | | | |
| | | | 470 | 480 | | | | | .14 | .01 | 1 | | | | | |
| | | | 480 | 490 | | | | | .52 | .03 | 1 | | | | | |
| | | | 490 | 500 | | | | | .34 | .03 | 1 | | | | | |
| 495 | 503 | Fault breccia, silicified and partly kaolinized, with some flesh-colored calcite cementing the breccia. | 500 | 510 | | | | | .65 | .04 | 1 | | | | | |
| 503 | 582 | Silicified and kaolinized chilled phase on quartz diorite pluton, mottled pale greenish gray and gray, locally sheared, with numerous healed fractures and veinlets of quartz, moderately fractured, with disseminated pyrite and sparse chalcopyrite and with traces of molybdenite. | 510 | 520 | | | | | .31 | .02 | 1 | | | | | |
| | | | 520 | 530 | | | | | .35 | .02 | 1 | | | | | |
| | | | 530 | 540 | | | | | .57 | .04 | 1 | | | | | |
| | | | 540 | 550 | | | | | .46 | .04 | 1 | | | | | |
| | | | 550 | 560 | | | | | .44 | .04 | 1 | | | | | |
| | | | 560 | 570 | | | | | .15 | .04 | 1 | | | | | |
| | | | 570 | 580 | | | | | .11 | .03 | 1 | | | | | |
| | | (Gradational Contact) | | | | | | | | | | | | | | |
| 582 | 633 | Quartz diorite, greenish gray, fine to medium-grained, moderately fractured, with some quartz veinlets, vugular 601-620, locally with disseminated pyrite and chalcopyrite, with some chloritization. | 580 | 590 | | | | | .09 | .02 | 1 | | | | | |
| | | | 590 | 600 | | | | | .10 | .01 | 1 | | | | | |
| | | | 600 | 610 | | | | | .11 | .01 | 0.5 | | | | | |
| | | | 610 | 620 | | | | | | | 0.5 | | | | | |
| | | | 620 | 630 | | | | | .09 | .02 | 0.5 | | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|--|-------------|----|-----------|------------|------------------------|------|-----|---------|------|-----------------------|------|--|--|
| FROM | TO | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM TO METERS FEET | % CU | MO | PY-RITE | AU W | AG W | CU W | | |
| 463 | 471 | Chilled phase on quartz diorite pluton or ande- site (?), greenish gray, very fine-grained, with considerable epidote, with disseminated pyrite and chalcopyrite, vugular, with considerable fracturing. | | | | | 460 470 | .16 | .01 | 1 | | | | | |
| 471 | 486 | Quartz diorite, light gray to greenish gray, with much epidote, highly fractured, with disseminated pyrite and chalcopyrite. | | | | | 470 480 | .13 | Tr | 1 | | | | | |
| 486 | 523 | Silicified chilled phase on quartz diorite pluton (?) off-white to pale greenish gray, fine to medium-grained with disseminated pyrite and sparse chalcopyrite, with traces of molybdenite on shears, highly fractured and locally sheared, locally vugular. | | | | | 480 490 | .21 | .01 | 1 | | | | | |
| | | | | | | | 490 500 | .22 | .01 | 1 | | | | | |
| | | | | | | | 500 510 | .14 | Tr | 1 | | | | | |
| | | | | | | | 510 520 | .19 | .02 | 1 | | | | | |
| | | | | | | | 520 530 | .20 | .01 | 1 | | | | | |
| | | | | | | | 530 540 | .20 | .01 | 1 | | | | | |
| | | | | | | | 540 550 | .29 | Tr | 1 | | | | | |
| 523 | | Fault | | | | | 550 560 | .32 | .01 | 1 | | | | | |
| 523 | 576 | As above, with some chlorite on shears. | | | | | 560 570 | .42 | .01 | 1 | | | | | |
| 576 | | Apparently MAIN fault | | | | | 570 580 | .15 | .01 | 1 | | | | | |
| 576 | 605 | Somewhat silicified chilled phase on quartz diorite pluton, greenish gray, fine-grained, somewhat sheared, locally vugular with partial quartz fill- ings of vugs, somewhat sheared, with dissemina- ted pyrite, lesser chalcopyrite, with some molyb- denite on fractures, with some epidote and con- siderable chlorite. | | | | | 580 590 | .16 | .01 | 1 | | | | | |
| | | | | | | | 590 600 | .16 | Tr | 1 | | | | | |
| | | | | | | | 600 610 | .09 | Tr | 1 | | | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | | |
|------|-----|------|---|-------------|-----------|------------|------|--------|------|-----|---------|------|-----------------------|------|--|--|--|
| FROM | TO | FROM | | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | PY-RITE | AU W | AG W | CU W | | | |
| 605 | 752 | | Quartz diorite, greenish gray, medium-grained, highly fractured to about 650' and below that moderately to little fractured, relatively unaltered, with some disseminated pyrite and sparse chalcopyrite with slight epidote alteration, with some chlorite on fractures, slightly vugular locally, with some quartz in vugs and fractures. | | | | | 610 | 620 | .20 | .01 | 1 | | | | | |
| | | | | | | | | | 620 | 630 | .08 | Tr | 1 | | | | |
| | | | | | | | | | 630 | 640 | .10 | .02 | 1 | | | | |
| | | | | | | | | | 640 | 650 | .07 | Tr | 1 | | | | |
| | | | | | | | | | 650 | 660 | .06 | Tr | 2 | | | | |
| | | | | | | | | | 660 | 670 | .10 | Tr | 2 | | | | |
| | | | | | | | | | 670 | 680 | .09 | Tr | 2 | | | | |
| | | | | | | | | | 680 | 690 | .08 | .01 | 2 | | | | |
| | | | | | | | | | 690 | 700 | .14 | .01 | 1 | | | | |
| | | | | | | | | | 700 | 710 | .13 | .02 | 1 | | | | |
| | | | | | | | | | 710 | 720 | .12 | .03 | 1 | | | | |
| | | | | | | | | | 720 | 730 | .14 | Tr | 2 | | | | |
| | | | | | | | | | 730 | 740 | .10 | .02 | 1 | | | | |
| | | | | | | | | 740 | 752 | .08 | .01 | 1 | | | | | |

Datum: 31+20N, 4+30W
 Elevation: 3905'
 Ultimate Depth: 1148'
 Started: July 27, 1970
 Completed: August 4, 1970

| Depth | Bearing | Dip |
|-------|---------|-----|
| 0 | S20°E | -45 |
| 500 | S22°E | -56 |
| 1000 | S19°E | -61 |

Logged by: C.C. McFall
 Drilled by: D.W. Coates Enterprises
 Recovery: Essentially 100%
 Assays by: TSL, Smithers, B.C.

HOLE NO. C-7 PAGE 1

DIAMOND DRILL RECORD

| DESCRIPTION | | | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|-------------|-----|---|-------------|----|-----------|------------|--------|-----|------|-----|-----------------------|------|------|------|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | PY-RITE | AU W | AG W | CU W |
| 0 | 40 | Overburden | | | | | | | | | | | | |
| 40 | 98 | Oxidized quartz diorite, light greenish gray, medium-grained, with abundant limonite in numerous vugs and fractures, with quartz partially filling some vugs, with malachite and azurite locally 43'-45', with traces of chalcocite locally, with sparse chalcópyrite below 84'. | | | | | 40 | 50 | .07 | .02 | - | | | |
| | | | | | | | 50 | 60 | .04 | Tr | - | | | |
| | | | | | | | 60 | 70 | .08 | .01 | 0.5 | | | |
| | | | | | | | 70 | 80 | .37 | Tr | 1 | | | |
| | | | | | | | 80 | 90 | .36 | .01 | 1 | | | |
| | | | | | | | 90 | 100 | .30 | .02 | 2 | | | |
| 98 | 99 | Sheared quartz diorite | | | | | 100 | 110 | .10 | Tr | 1 | | | |
| 99 | 549 | Quartz diorite, greenish gray, medium-grained, with disseminated pyrite and lesser chalcopyrite, with some chalcocite neighboring pyrite and chalcopyrite locally, especially down to 50 ft. with traces of bornite locally, generally slightly vuggy and fractured, with limonite on fractures down to 200 ft. and below that minor and with some hematite on fractures especially below 200 feet. - with some shearing at 117' and 121-122' and in shallow part of hole highly fractured - moderate fracturing below 200 feet - 270-287 with limonite on fractures and with some shearing, especially at 287'. - below 310 with chlorite alteration and increased shearing. - 345-350 with considerable disseminated magnetite. | | | | | 110 | 120 | .14 | .01 | 1 | | | |
| | | | | | | | 120 | 130 | .16 | .01 | 1 | | | |
| | | | | | | | 130 | 150 | .12 | .01 | 2 | | | |
| | | | | | | | 150 | 160 | .08 | Tr | 1 | | | |
| | | | | | | | 180 | 200 | .13 | .01 | 1 | | | |
| | | | | | | | 200 | 210 | .07 | .01 | 1 | | | |
| | | | | | | | 210 | 220 | .07 | Tr | 1 | | | |
| | | | | | | | 220 | 240 | .14 | .01 | 2 | | | |
| | | | | | | | 240 | 250 | .08 | .01 | 2 | | | |
| | | | | | | | 250 | 260 | .10 | .02 | 1 | | | |
| | | | | | | | 260 | 270 | .12 | Tr | 1 | | | |
| | | | | | | | 270 | 280 | .12 | .04 | 1 | | | |
| | | | | | | | 280 | 290 | .10 | .02 | 0.5 | | | |
| | | | | | | | 290 | 300 | .07 | Tr | 0.5 | | | |
| | | | | | | | 300 | 310 | .07 | .01 | 0.5 | | | |
| | | | | | | | 310 | 320 | .09 | Tr | 0.5 | | | |
| | | | | | | | 320 | 330 | .08 | Tr | 1 | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | | ACCUMULATIVE AVERAGES | | | | |
|------|--|----|---|-------------|----|-----------|------------|---------------------|------|-----|-------------|------|-----------------------|------|----|--|--|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM TO ANALYZED | % CU | MO | PY- RITE | AU W | AG W | CU W | MO | | |
| | | | 354-362 vuggy and silicified | | | | | 330 | 340 | .09 | Tr | 1 | | | | | |
| | | | at 380 continued slightly altered quartz diorite | | | | | 340 | 350 | .31 | Tr | 1 | | | | | |
| | | | greenish gray, medium-grained, with sparse | | | | | 350 | 360 | .12 | Tr | 1 | | | | | |
| | | | chalcopyrite and locally with chalcocite on | | | | | 360 | 370 | .12 | .Tr | 1 | | | | | |
| | | | fractures adjacent to chalcopyrite, slightly | | | | | 370 | 380 | .11 | .01 | 0.5 | | | | | |
| | | | vugular, with quartz partially filling vugs. | | | | | 380 | 390 | .10 | Tr | 0.5 | | | | | |
| | | | | | | | | 390 | 400 | .08 | Tr | 0.5 | | | | | |
| | | | | | | | | 400 | 410 | .05 | Tr | 0.5 | | | | | |
| | | | 425-444 with minor hematite on fractures, with some | | | | | 410 | 420 | .04 | Tr | 0.5 | | | | | |
| | | | disseminated magnetite, with some epidote on | | | | | 420 | 430 | .03 | Tr | 0.5 | | | | | |
| | | | fractures, quite vuggy, with some shearing at 425 | | | | | 430 | 440 | .04 | Tr | .05 | | | | | |
| | | | but generally only moderately fractured. | | | | | 440 | 450 | .06 | Tr | 1 | | | | | |
| | | | - Below 460 with more alteration (by chlorite, | | | | | 450 | 460 | .04 | Tr | 2 | | | | | |
| | | | epidote and locally silica) with some chal- | | | | | 460 | 470 | .03 | Tr | 2 | | | | | |
| | | | cocite near pyrite and chalcopyrite fracture | | | | | 470 | 480 | .05 | Tr | 2 | | | | | |
| | | | fillings and stringers. | | | | | 480 | 490 | .08 | Tr | 2 | | | | | |
| | | | | | | | | 490 | 500 | .07 | .01 | 2 | | | | | |
| | | | | | | | | 500 | 510 | .18 | .01 | 2 | | | | | |
| | | | - Below 520 with more vugs and shearing. | | | | | 510 | 520 | .08 | .01 | 2 | | | | | |
| | | | | | | | | 520 | 530 | .15 | .02 | 2 | | | | | |
| | | | | | | | | 530 | 540 | .17 | .01 | 2 | | | | | |
| | | | | | | | | 540 | 550 | .13 | Tr | 2 | | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|---------|---------|--|-------------|----|-----------|------------|--|------|-----|---------|-----------------------|------|------|-----|
| FROM | TO | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM TO XXXXXX XXXXXX | % CU | MO | PY-RITE | AU W | AG W | CU W | MO |
| 549 | 549-1/2 | Silicified fault gouge | | | | | | | | | | | | |
| 549-1/2 | 590 | Quartz diorite, mottled off-white and greenish-gray, partially to almost completely kaolinized, not highly fractured except for intense shearing locally (as at 550 & 581) grading into less altered rock, 581-590 | | | | | 550 | 560 | .48 | .02 | 0.5 | | | |
| | | | | | | | 560 | 570 | .46 | .03 | 0.1 | | | |
| | | | | | | | 570 | 580 | .24 | .01 | 0.5 | | | |
| | | | | | | | 580 | 590 | .07 | .01 | 1 | | | |
| 590 | 615 | Quartz diorite, slightly altered, greenish-gray fine to medium-grained, with epidote alteration, especially on fractures, moderately fractured, somewhat vuggy, with disseminated pyrite, lesser chalcopyrite and with some hematite on fractures, grades into chilled border facies at 615 with shearing at 605 with disseminated magnetite below 605 | | | | | 590 | 600 | .08 | Tr | 1 | | | |
| | | | | | | | 600 | 610 | .11 | .01 | 3 | | | |
| | | | | | | | 610 | 620 | .38 | .02 | 3 | | | |
| | | | | | | | 620 | 630 | .20 | .02 | 3 | | | |
| 615 | 675 | Chilled border facies on quartz diorite pluton, greenish gray, fine-grained to porphyritic with aphanitic groundmass, with ghosts of feldspar crystals as phenocrysts, with disseminated pyrite and chalcopyrite; sheared and silicified contact at 675 | | | | | 630 | 640 | .52 | .04 | 3 | | | |
| | | | | | | | 640 | 650 | .16 | .02 | 3 | 610 | 720 | .39 |
| | | | | | | | 650 | 660 | .27 | .02 | 3 | | | |
| | | | | | | | 660 | 670 | .36 | .02 | 3 | | | |
| | | | | | | | 670 | 680 | .41 | .02 | 3 | | | |
| 675 | 678 | Silicified andesite, off-white mottled with gray | | | | | 680 | 690 | .66 | .03 | 3 | | | |
| 678 | 903 | Andesite, greenish gray, fine-grained to aphanitic, with considerable fracturing and epidote alteration, somewhat vuggy with disseminated pyrite and chalcopyrite, especially on fractures and in vugs, with some calcite fracture fillings, with abundant | | | | | 690 | 700 | .63 | .02 | 4 | | | |
| | | | | | | | 700 | 710 | .29 | .01 | 4 | | | |
| | | | | | | | 710 | 720 | .41 | .01 | 5 | | | |
| | | | | | | | 720 | 730 | .13 | .01 | 4 | | | |
| | | | | | | | 730 | 740 | .26 | .01 | 4 | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | | |
|------|------|----|---|-------------|----|-----------|------------|------|-----|------|-----------------------|---------|------|------|------|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | PY-RITE | AU W | AG W | CU W |
| | | | disseminated magnetite locally, moderately fractured and becoming more fractured and altered | | | | | 740 | 750 | .16 | .01 | 4 | | | |
| | | | below 810, locally silicified, with numerous calcite veinlets. | | | | | 750 | 760 | .11 | .02 | 3 | | | |
| | | | | | | | | 760 | 770 | .13 | .01 | 3 | | | |
| | | | | | | | | 770 | 780 | .18 | .01 | 3 | | | |
| | | | | | | | | 780 | 790 | .11 | .01 | 3 | | | |
| | | | | | | | | 790 | 800 | .13 | .01 | 4 | | | |
| | | | | | | | | 800 | 810 | .16 | .02 | 4 | | | |
| | | | | | | | | 810 | 820 | .29 | .01 | 5 | | | |
| | | | | | | | | 820 | 830 | .26 | .01 | 5 | | | |
| | | | Silicified andesite, light gray to off-white, highly fractured, with disseminated pyrite and traces of chalcopyrite. | | | | | 830 | 840 | .04 | .01 | 5 | | | |
| 903 | 919 | | | | | | | 840 | 850 | .07 | .01 | 5 | | | |
| | | | | | | | | 850 | 860 | .09 | .01 | 6 | | | |
| 920 | 1026 | | Andesite, medium gray, very fine-grained, locally very finely porphyritic, moderately to highly fractured, with abundant epidote and calcite on fractures, with disseminated pyrite and magnetite and more locally disseminated chalcopyrite as at 940', 945', 949', 957', 964', 974', 1002', 1004', and 1013'. | | | | | 860 | 870 | .29 | .02 | 6 | | | |
| | | | | | | | | 870 | 880 | .52 | .02 | 4 | | | |
| | | | | | | | | 880 | 890 | .14 | .01 | 4 | | | |
| | | | | | | | | 890 | 900 | .10 | Tr | 4 | | | |
| | | | | | | | | 900 | 910 | .09 | .02 | 4 | | | |
| | | | | | | | | 910 | 920 | .13 | .01 | 4 | | | |
| | | | | | | | | 920 | 930 | .20 | .02 | 4 | | | |
| | | | | | | | | 930 | 940 | .22 | .01 | | | | |
| | | | | | | | | 940 | 950 | .39 | .02 | | | | |
| | | | | | | | | 950 | 960 | .40 | .03 | | | | |
| | | | | | | | | 960 | 970 | .39 | .02 | | | | |
| | | | | | | | | 970 | 980 | .06 | .02 | | | | |
| | | | | | | | | 980 | 990 | .05 | .01 | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | | |
|------|------|--|-------------|----|-----------|------------|--------|------|------|------|-----------------------|------|------|------|--|
| FROM | TO | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | PY-RITE | AU W | AG W | CU W | |
| | | | | | | | | 990 | 1000 | .08 | .01 | | | | |
| | | | | | | | | 1000 | 1010 | .13 | Tr | | | | |
| | | | | | | | | 1010 | 1020 | .09 | Tr | | | | |
| 1026 | 1056 | Silicified andesite, off-white, moderately fractured with abundant disseminated pyrite and some magnetite, with very minor hematite locally on fractures, grading into | | | | | | 1020 | 1030 | .08 | .01 | | | | |
| | | | | | | | | | 1030 | 1040 | .02 | Tr | | | |
| | | | | | | | | | 1040 | 1050 | .02 | .02 | | | |
| | | | | | | | | | 1050 | 1060 | .08 | .03 | | | |
| 1056 | 1148 | Andesite, medium to greenish gray, very fine-grained, near bottom becoming slightly porphyritic, with considerable epidote on fractures, with numerous calcite fracture and vein fillings, locally slightly silicified, with disseminated pyrite and some to abundant magnetite, with minor hematite on fractures locally, with sparse chalc pyrite locally, pyrite especially abundant near 1112', becoming slightly silicified 1142-48'. | | | | | | 1060 | 1070 | .06 | Tr | | | | |
| | | | | | | | | | 1070 | 1080 | .04 | .01 | | | |
| | | | | | | | | | 1080 | 1090 | .05 | Tr | | | |
| | | | | | | | | | 1090 | 1100 | .08 | .01 | | | |
| | | | | | | | | | 1100 | 1110 | .10 | Tr | | | |
| | | | | | | | | | 1110 | 1120 | .16 | Tr | | | |
| | | | | | | | | | 1120 | 1130 | .06 | Tr | | | |
| | | | | | | | | | 1130 | 1140 | .02 | Tr | | | |
| | | | | | | | | 1140 | 1148 | .06 | Tr | | | | |

Datum: 33+30N, 9+20E
 Depth: 0 500 1000 1500 1975
 Bearing: N55°W N43W N38W N32W N28W
 Dip: -45° -50° -52° -51.5° -46.5°
 Elevation: 3970'

Started: August 9, 1970
 Completed: August 25, 1970
 Ultimate Depth: 1995'
 Logged by: C.C. McFall

Drilled by: D.W. Coates Enterprises
 Recovery: Essentially 100%
 Assays by: TSL, Smithers

BIG ONION

HOLE NO. C-8 PAGE 1

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|--|-------------|----|-----------|------------|--------|------|------|------|-----------------------|------|--|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | % CU | MO | AU W | AG W | CU W | | |
| 0 | 28 | Overburden | | | | | | | | | | | | |
| 28 | 95 | Andesite, dark gray to light gray and greenish gray moderately to highly fractured, locally with quartz, calcite, and/or epidote in fractures, locally vuggy, with limonite on fractures, locally slightly silicified and chloritized | | | | | 26 | 30 | Tr | Tr | | | | |
| | | | | | | | 30 | 40 | Tr | Tr | | | | |
| | | | | | | | 40 | 50 | Tr | Tr | | | | |
| | | | | | | | 50 | 60 | Tr | Tr | | | | |
| | | | | | | | 60 | 70 | 0.01 | Tr | | | | |
| | | | | | | | 70 | 80 | 0.02 | Tr | | | | |
| | | | | | | | 80 | 90 | 0.01 | Tr | | | | |
| | 95 | One-inch fault gouge | | | | | 90 | 100 | 0.01 | Tr | | | | |
| 95 | 107 | Silicified and partly kaolinized andesite, moderately to highly fractured and vuggy, with limonite on fractures with some disseminated pyrite (abundant 103-107) with show of malachite at 107 with very intense fracturing. | | | | | 100 | 110 | 0.12 | Tr | | | | |
| | | | | | | | 110 | 120 | 0.04 | Tr | | | | |
| | | | | | | | 120 | 130 | 0.03 | Tr | | | | |
| | | | | | | | 130 | 140 | 0.03 | Tr | | | | |
| | | | | | | | 140 | 150 | 0.02 | Tr | | | | |
| 107 | 219 | Andesite, dull greenish gray, porphyritic with small scattered hornblende(?) phenocrysts, with disseminated pyrite, moderately to highly fractured, with limonite, on fractures, locally highly vuggy and altered, with epidote and limonite, locally with considerable disseminated magnetite and pyrite, with quartz partially filling vugs, with minor black-stains on fractures with some disseminated chalcopyrite and bornite at 200', slightly to much silicified below 185'. | | | | | 150 | 160 | 0.03 | Tr | | | | |
| | | | | | | | 160 | 170 | 0.03 | 0.01 | | | | |
| | | | | | | | 170 | 180 | 0.04 | Tr | | | | |
| | | | | | | | 180 | 190 | 0.05 | Tr | | | | |
| | | | | | | | 190 | 200 | 0.17 | Tr | | | | |
| | | | | | | | 200 | 210 | 0.16 | Tr | | | | |
| | | | | | | | 210 | 220 | 0.15 | 0.01 | | | | |

DIAMOND DRILL RECORD

| DESCRIPTION | | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|-------------|-----|-------------|----|-----------|------------|--------|-------|------|------|-----------------------|------|------|--|
| FROM | TO | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | AG OZ | % CU | MO | AU W | AG W | CU W | |
| 219 | 628 | | | | | 220 | 230 | 0.02 | Tr | | | | |
| | | | | | | 230 | 240 | 0.04 | 0.01 | | | | |
| | | | | | | 240 | 250 | 0.01 | Tr | | | | |
| | | | | | | 250 | 260 | 0.01 | Tr | | | | |
| | | | | | | 260 | 270 | 0.01 | Tr | | | | |
| | | | | | | 270 | 280 | Tr | Tr | | | | |
| | | | | | | 280 | 290 | 0.02 | 0.01 | | | | |
| | | | | | | 290 | 300 | 0.01 | 0.01 | | | | |
| | | | | | | 300 | 310 | Tr | 0.01 | | | | |
| | | | | | | 310 | 320 | Tr | Tr | | | | |
| | | | | | | 320 | 330 | Tr | Tr | | | | |
| | | | | | | 330 | 340 | Tr | Tr | | | | |
| | | | | | | 340 | 350 | 0.01 | Tr | | | | |
| | | | | | | 350 | 360 | Tr | Tr | | | | |
| | | | | | | 360 | 370 | Tr | Tr | | | | |
| | | | | | | 370 | 380 | Tr | Tr | | | | |
| | | | | | | 380 | 390 | Tr | Tr | | | | |
| | | | | | | 390 | 400 | 0.02 | Tr | | | | |
| | | | | | | 400 | 420 | 0.08 | Tr | | | | |
| | | | | | | 420 | 430 | 0.08 | 0.01 | | | | |
| | | | | | | 430 | 440 | 0.02 | Tr | | | | |
| | | | | | | 440 | 450 | 0.01 | Tr | | | | |
| | | | | | | 450 | 460 | 0.01 | Tr | | | | |
| | | | | | | 460 | 470 | Tr | Tr | | | | |
| | | | | | | 470 | 480 | 0.01 | Tr | | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | DEPTH ASSAYS | | | | ACCUMULATIVE AVERAGES | | | | |
|------|-----|----|--|-------------|----|-----------|--------------|---------------|---------------|------|-----------------------|------|------|------|--|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | MO | AG | % CU | MO | AU W | AG W | CU W | |
| | | | | | | | | 480 | 490 | 0.01 | Tr | | | | |
| | | | | | | | | 490 | 500 | Tr | Tr | | | | |
| | | | | | | | | 500 | 510 | 0.02 | Tr | | | | |
| | | | | | | | | 510 | 520 | 0.02 | Tr | | | | |
| | | | | | | | | 520 | 530 | 0.03 | Tr | | | | |
| | | | | | | | | 530 | 540 | 0.04 | Tr | | | | |
| | | | | | | | | 540 | 560 | 0.02 | .01 | | | | |
| | | | | | | | | 580 | 600 | 0.01 | Tr | | | | |
| 628 | 640 | | Andesite, gray, fine-grained to aphanitic, with disseminated pyrite, highly fractured and highly sheared 635-640 | | | | | 620 | 640 | 0.03 | Tr | | | | |
| 640 | 818 | | Silicified andesite, mottled light gray and off-white, with disseminated pyrite, not very fractured except highly fractured locally, slightly vuggy, with some kaolin in highly fractured zones, grades into | | | | | 660 | 680 | Tr | Tr | | | | |
| | | | | | | | | 700 | 720 | Tr | Tr | | | | |
| | | | | | | | | 740 | 760 | 0.02 | Tr | | | | |
| | | | | | | | | 780 | 800 | 0.02 | Tr | | | | |
| 818 | 830 | | Andesite, gray, to greenish-gray, fine-grained to aphanitic, with abundant disseminated pyrite, slightly altered with epidote and chlorite? moderately fractured | | | | | 820 | 840 | 0.05 | Tr | | | | |
| 830 | 860 | | Partly silicified andesite, gray, fine-grained to aphanitic, moderately to little fractured with veinlets of quartz and epidote, locally vuggy, with disseminated pyrite, especially on fractures. | | | | | | | | | | | | |
| 860 | 932 | | Andesite, dark gray to greenish-gray, fine-grained to aphanitic, moderately fractured except highly fractured below 883, with abundant disseminated pyrite, with epidote along fractures, with some chalcocite & traces of chalcopyrite, with sparse calcite fracture fillings, locally partly silicified. | | | | | 860 | 880 | 0.03 | Tr | | | | |
| | | | | | | | | 900 | 920 | 0.03 | .01 | | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|------|----|---|-------------|----|-----------|------------|--------|-------|------|-----|-----------------------|------|------|--|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | DEPTH | % CU | MO | AU W | AG W | CU W | |
| 932 | 946 | | Andesite, as above but with abundant magnetite and also more pyrite with the magnetite | | | | | 940 | 960 | .10 | .01 | | | | |
| 946 | 981 | | Silicified andesite, off-white to very light gray, moderately to little fractured, with disseminated pyrite and with some disseminated ^{chalcopryite} especially on fractures, locally with hematite after magnetite, slightly to quite vuggular, with traces of molybdenite on fractures and in voids | | | | | | | | | | | | |
| 981 | 989 | | Andesite, dark gray, aphanitic, with considerable epidote on fractures, highly fractured, with considerable disseminated pyrite and magnetite. | | | | | 980 | 1000 | .05 | Tr | | | | |
| 989 | 990 | | Silicified andesite, very light gray, highly fractured with considerable disseminated pyrite. | | | | | | | | | | | | |
| | | | Andesite, dark gray, aphanitic, with considerable epidote and abundant and disseminated pyrite and magnetite, highly fractured, locally vuggular, & with calcite veinlets, with a few thin silicified zones, locally with minor hematite on fractures. | | | | | | | | | | | | |
| 990 | 1121 | | Andesite, greenish gray with epidote alteration, with veinlets of calcite and quartz, highly to moderately fractured, with disseminated pyrite, locally quite vuggular, locally with disseminated magnetite, with sparse hematite on fractures locally silicified 1099-1103. | | | | | 1020 | 1040 | .09 | Tr | | | | |
| | | | | | | | | 1060 | 1080 | .07 | Tr | | | | |
| | | | | | | | | 1100 | 1120 | .06 | Tr | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|------|--|-------------|----|-----------|------------|--------|------|-----|-----|-----------------------|------|------|--|
| FROM | TO | | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | % CU | MO | | AU W | AG W | CU W | |
| 1121 | 1137 | Silicified andesite, very light gray, with much disseminated pyrite, moderately fractured with some epidote alteration, slightly vuggy. | | | | | | | | | | | | |
| 1137 | 1162 | Andesite, greenish gray with much epidote alteration much disseminated pyrite, highly fractured with some magnetite. | | | | | 1140 | 1160 | .18 | Tr | | | | |
| 1162 | 1180 | Silicified andesite, off-white to light gray, with disseminated pyrite, moderately to little fractured, locally slightly vuggy. | | | | | 1180 | 1200 | .08 | Tr | | | | |
| 1180 | 1247 | Andesite, medium gray to greenish gray, very fine-grained to locally porphyritic, becoming highly fractured below 1220, with disseminated pyrite, with sparse to abundant magnetite, with minor hematite on fractures locally, | | | | | 1220 | 1240 | .09 | .01 | | | | |
| 1247 | 1350 | Silicified to partly silicified andesite with irregular veinlets of calcite, with some chlorite and epidote alteration, with much disseminated pyrite, locally with considerable magnetite, 1306-1314 partly kaolinized, grading into: | | | | | 1260 | 1280 | .15 | Tr | | | | |
| | | | | | | | 1300 | 1320 | .06 | Tr | | | | |
| | | | | | | | 1340 | 1360 | .03 | .01 | | | | |
| 1350 | 1405 | Andesite light greenish gray, aphanitic to fine-grained with disseminated pyrite and locally disseminated magnetite, with some hematite after magnetite, with epidote & some chlorite alteration, little fractured, with calcite veinlets & fracture fillings, grading into: | | | | | 1380 | 1400 | .04 | Tr | | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | | | |
|------|------|------|--|-------------|----|-----------|------------|-------|------------------|------|-----------------------|------|------|------|--|--|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | DEPTH | % CU | MO | AU W | AG W | CU W | | |
| 1405 | | 1430 | Silicified andesite, off-white to very light gray, with disseminated pyrite, little fractured with magnetite locally, with calcite veinlets, grading down into: | | | | | 1420 | 1440 | .03 | Tr | | | | | |
| 1430 | | 1465 | Andesite as above 1350-1415, locally partly silicified, grading down into: | | | | | 1460 | 1480 | .03 | .01 | | | | | |
| 1465 | | 1540 | Silicified andesite, off-white to very light greenish gray, with disseminated pyrite, little fractured, locally with some specularite, grading down into: | | | | | 1500 | 1520 | Tr | Tr | | | | | |
| 1540 | 1933 | | Andesite, light gray to greenish gray, slightly silicified locally with abundant epidote, with disseminated pyrite, locally abundant with numerous irregular calcite veinlets, locally with disseminated magnetite, locally with hematite after magnetite, becomes generally less silicified downward but with local silicified zones as at 1772-1774, local gypsum fracture-fillings becoming mottled below 1800 due to abundant epidote, magnetite, calcite, gypsum and chlorite (?) | | | | | 1540 | 1560 | .02 | Tr | | | | | |
| | | | | | | | | 1580 | 1600 | Tr | Tr | | | | | |
| | | | | | | | | 1620 | 1640 | Tr | Tr | | | | | |
| | | | | | | | | 1660 | 1680 | Tr | Tr | | | | | |
| | | | | | | | | 1700 | 1720 | Tr | Tr | | | | | |
| | | | | | | | | 1740 | 1760 | .01 | Tr | | | | | |
| | | | | | | | | 1780 | 1800 | Tr | Tr | | | | | |
| | | | | | | | | 1820 | 1840 | .03 | Tr | | | | | |
| | | | | | | | | 1860 | 1880 | .02 | Tr | | | | | |
| | | | | | | | | 1900 | 1920 | .03 | Tr | | | | | |
| 1933 | | | Fault? with much shearing & calcite veins some silicification. | | | | | | | | | | | | | |
| 1933 | 1995 | | Andesite, greenish gray, fine-grained with epidote pyrite, some magnetite, with calcite veinlets sheared near 1933 but otherwise moderately to little fractured. | | | | | 1940 | 1960 | .01 | Tr | | | | | |
| | | | | | | | | 1980 | 2000 | .03 | Tr | | | | | |

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | DEPTH ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|---|-------------|----|-----------|------------|--------------|-------|------|------|-----------------------|------|------|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | DEPTH | % CU | MO | AU W | AG W | CU W | |
| 266 | 435 | Silicified chilled phase on quartz diorite pluton mottled off-white to light gray, with prominent ghosts of phenocrysts, with some kaolinization, moderately fractured, with disseminated pyrite, with some disseminated chalcopyrite and molybdenite, with latter mainly on fractures where present with intense shearing 312-313. | | | | | 260 | 280 | .06 | .03 | | | | |
| | | | | | | | 300 | 320 | .07 | .03 | | | | |
| | | | | | | | 340 | 360 | .07 | .02 | | | | |
| | | | | | | | 380 | 400 | .06 | .02 | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 435 | 544 | As above but with highly altered and locally with more disseminated chalcopyrite and molybdenite. (sheared contact) | | | | | 400 | 410 | 0.06 | 0.01 | | | | |
| | | | | | | | 410 | 420 | 0.07 | 0.02 | | | | |
| | | | | | | | 420 | 430 | 0.04 | 0.02 | | | | |
| | | | | | | | 430 | 440 | 0.04 | 0.01 | | | | |
| | | | | | | | 440 | 450 | 0.07 | 0.02 | | | | |
| | | | | | | | 450 | 460 | 0.12 | 0.01 | | | | |
| | | | | | | | 460 | 470 | 0.13 | Tr | | | | |
| | | | | | | | 470 | 480 | 0.12 | 0.01 | | | | |
| | | | | | | | 480 | 490 | 0.15 | 0.04 | | | | |
| | | | | | | | 490 | 500 | 0.04 | 0.02 | | | | |

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | DEPTH ASSAYS | | | | ACCUMULATIVE AVERAGES | | | | |
|------|-----|--|-------------|----|-----------|------------|-------------------|-------------------|------|------|-----------------------|------|------|--|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | XXXXXX | XXXXXX | % CU | MO | AU W | AG W | CU W | | |
| | | | | | | | | 500 | 510 | 0.10 | Tr | | | | |
| | | | | | | | | 510 | 520 | 0.10 | 0.01 | | | | |
| | | | | | | | | 520 | 530 | 0.12 | Tr | | | | |
| | | | | | | | | 530 | 540 | 0.04 | Tr | | | | |
| 544 | 850 | Quartz diorite, greenish gray, medium-grained moderately fractured, with disseminated pyrite, locally with disseminated magnetite and/or chalcopyrite, with local traces of molybdenite, and chalcocite (?) with some hematite on fractures locally, with some epidote veinlets, somewhat vuggy, becoming generally quite altered below 590' with both kaolinization and silicification, with marble-like texture locally, 590'-600' with some gypsum veinlets, locally with calcite and/or quartz veinlets, 595'-708' especially altered and sheared and with more disseminated chalcopyrite, with some disseminated magnetite below 770' | | | | | 540 | 550 | 0.13 | 0.01 | | | | | |
| | | | | | | | | 550 | 560 | 0.11 | Tr | | | | |
| | | | | | | | | 560 | 570 | 0.12 | Tr | | | | |
| | | | | | | | | 570 | 575 | 0.11 | Tr | | | | |
| | | | | | | | | 575 | 580 | 0.13 | 0.01 | | | | |
| | | | | | | | | 580 | 590 | 0.13 | Tr | | | | |
| | | | | | | | | 590 | 600 | 0.12 | 0.01 | | | | |
| | | | | | | | | 600 | 610 | 0.09 | Tr | | | | |
| | | | | | | | | 610 | 620 | 0.11 | Tr | | | | |
| | | | | | | | | 620 | 630 | 0.18 | 0.01 | | | | |
| | | | | | | | | 630 | 640 | 0.09 | 0.01 | | | | |
| | | | | | | | | 640 | 650 | 0.09 | 0.01 | | | | |
| | | | | | | | | 650 | 660 | 0.10 | 0.01 | | | | |
| | | | | | | | | 660 | 670 | 0.07 | 0.01 | | | | |
| | | | | | | | | 670 | 680 | 0.12 | 0.01 | | | | |
| | | | | | | | | 680 | 690 | 0.10 | Tr | | | | |
| | | | | | | | | 690 | 700 | 0.08 | 0.01 | | | | |
| | | | | | | | | 700 | 710 | 0.07 | 0.02 | | | | |
| | | | | | | | | 710 | 720 | 0.06 | Tr | | | | |
| | | | | | | | | 720 | 730 | 0.12 | 0.02 | | | | |
| | | | | | | | | 730 | 740 | 0.09 | 0.01 | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|--|-------------|----|-----------|------------|--------|-----|------|-----|-----------------------|------|------|--|
| FROM | TO | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | AU W | AG W | CU W | |
| 350 | 544 | Quartz diorite, altered, greenish gray speckled with white fine to medium-grained, locally porphyritic, with disseminated pyrite, with sparse disseminated chalcopyrite, moderately to little fractured, near 430' with traces of molybdenum, 450'-470' more altered, and with more chalcopyrite, below 450', with some magnetite and traces of hematite, highly altered and sheared near 544'. Gradational Contact | | | | | 400 | 420 | .08 | .03 | | | | |
| | | | | | | | 440 | 460 | .09 | .01 | | | | |
| | | | | | | | 480 | 500 | .10 | Tr | | | | |
| | | | | | | | 520 | 540 | .12 | Tr | | | | |
| 544 | 665 | Chilled phase on quartz diorite pluton mottled light and medium gray, with disseminated pyrite, locally porphyritic, with traces of chalcopyrite and molybdenite Gradational Contact | | | | | 560 | 580 | .11 | Tr | | | | |
| | | | | | | | 600 | 620 | .15 | Tr | | | | |
| | | | | | | | 640 | 660 | .10 | Tr | | | | |
| 665 | 705 | Quartz diorite as above (350'-544') Gradational Contact | | | | | 680 | 700 | .13 | .01 | | | | |
| 705 | 750 | Chilled phase on quartz diorite pluton as above (544'-665') | | | | | 720 | 740 | .14 | .02 | | | | |
| | | | | | | | 750 | 760 | .06 | Tr | | | | |
| 750 | 850 | Quartz diorite, as above, with fine-grained zones, becoming increasingly kaolinized with depth, grading down into | | | | | 760 | 780 | .10 | .02 | | | | |
| | | | | | | | 780 | 790 | .08 | Tr | | | | |
| | | | | | | | 790 | 800 | .12 | .01 | | | | |
| | | | | | | | 800 | 820 | .06 | Tr | | | | |
| | | | | | | | 820 | 830 | .06 | Tr | | | | |
| | | | | | | | 830 | 840 | .04 | .01 | | | | |
| | | | | | | | 840 | 860 | .04 | Tr | | | | |

DIAMOND DRILL RECORD

| | | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|---------|--|-------------|----|-----------|------------|--------|------|------|-----|-----------------------|------|------|--|
| FROM | TO | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | AU W | AG W | CU W | |
| 850 | 900 | Highly altered quartz diorite, very light greenish gray, mottled appearance, with disseminated pyrite, and (locally) specularite (?) with traces of hematite on fractures, with minor chalcocopyrite and traces of molybdenum, locally with some chalcocite coatings on pyrite, with quartz and calcite veinlets, with chlorite (?) on fractures grades into | | | | | 860 | 870 | .04 | Tr | | | | |
| | | | | | | | 880 | 890 | .06 | .01 | | | | |
| | | | | | | | 880 | 900 | .05 | Tr | | | | |
| 900 | 925 | Quartz diorite, altered, light greenish gray, medium grained, otherwise as above. | | | | | 900 | 910 | .04 | .01 | | | | |
| | | | | | | | 910 | 920 | .07 | .01 | | | | |
| 925 | 929 | Chilled phase on quartz diorite pluton, greenish gray, fine-grained with some chloritization, with some disseminated pyrite, chalcocopyrite and considerable magnetite, with epidote increasing downward, highly fractured 926-929 | | | | | 920 | 930 | .09 | Tr | | | | |
| | | | | | | | | | | | | | | |
| 932 | 998-1/2 | Chilled phase on quartz diorite pluton, dark greenish gray, very fine-grained with epidote, with much pyrite, and magnetite, and minor chalcocopyrite, moderately to little fractured, with some veinlets of gypsum. | | | | | 930 | 940 | .02 | Tr | | | | |
| | | | | | | | 940 | 950 | .02 | Tr | | | | |
| | | | | | | | 950 | 960 | .05 | Tr | | | | |
| | | | | | | | 960 | 970 | .01 | Tr | | | | |
| | | | | | | | 970 | 980 | .01 | Tr | | | | |
| | | | | | | | 980 | 990 | .01 | Tr | | | | |
| | | | | | | | 990 | 1000 | .01 | Tr | | | | |

Location: 39+20N; 11+30W
 Started: Sept. 17, 1970
 Completed: September 28, 1970
 Ultimate Depth: 826'
 Elevation: 4370'

| Depth | Bearing | Dip |
|-------|---------|------|
| 0 | S30E | -60° |
| 500 | S32E | -66° |
| 826 | S24E | -70° |

Logged by: C.C. McFall
 Drilled by: D.W. Coates Enterprises
 Recovery: Essentially 100%
 Assays by: TSL, Smithers, B.C.

BIG ONION

HOLE NO. C-11 PAGE 1

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|---|-------------|----|-----------|------------|---------|------|-----|------|-----------------------|------|--|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM TO | % CU | MO | AU W | AG W | CU W | | |
| 0 | 70 | Overburden | | | | | 70 | 90 | .67 | .01 | | | | |
| 70 | 215 | Silicified andesite (?) partly kaolinized, with disseminated pyrite, and lesser chalcopyrite, with considerable disseminated chalcocite, fading out about 110', mottled very light and medium gray, with limonite on fractures 70-72 97-101, 103-111, 120-137, highly fractured, with traces of molybdenite, especially kaolinized below 146' | | | | | 90 | 100 | .13 | .01 | | | | |
| | | | | | | | 100 | 110 | .09 | .01 | | | | |
| | | | | | | | 110 | 130 | .15 | .02 | | | | |
| | | | | | | | 130 | 140 | .33 | .03 | | | | |
| | | | | | | | 140 | 150 | .30 | .02 | | | | |
| | | | | | | | 150 | 170 | .26 | .03 | | | | |
| | | | | | | | 170 | 180 | .21 | .02 | | | | |
| | | | | | | | 180 | 190 | .24 | .02 | | | | |
| | | (Sheared contact with quartz in vugs) | | | | | 190 | 210 | .16 | .03 | | | | |
| 215 | 380 | Silicified chilled phase on quartz diorite pluton, partly kaolinized, off-white to mottled light gray, with disseminated pyrite and lesser chalcopyrite with some limonite on fractures 239- highly fractured, with some chalcocite on fractures, vugs, and pyrite, with molybdenite on fractures near 380 | | | | | 210 | 220 | .11 | .02 | | | | |
| | | | | | | | 220 | 230 | .09 | .02 | | | | |
| | | | | | | | 230 | 250 | .12 | Tr | | | | |
| | | | | | | | 250 | 260 | .13 | Tr | | | | |
| | | | | | | | 260 | 270 | .10 | Tr | | | | |
| | | | | | | | 270 | 290 | .07 | Tr | | | | |
| | | | | | | | 290 | 300 | .14 | Tr | | | | |
| | | (Gradational Contact) | | | | | 300 | 310 | .15 | Tr | | | | |
| | | | | | | | 310 | 330 | .14 | .01 | | | | |
| | | | | | | | 330 | 340 | .14 | Tr | | | | |
| | | | | | | | 340 | 350 | .16 | .02 | | | | |
| | | | | | | | 350 | 370 | .15 | .01 | | | | |
| | | | | | | | 370 | 380 | .27 | .03 | | | | |

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|--|-------------|----|-----------|------------|--------|-----|------|-----|-----------------------|------|------|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | AU W | AG W | CU W | |
| 380 | 438 | Quartz diorite, medium gray to light greenish gray, fine-grained grading downward to medium-grained with disseminated pyrite and sparse chalcopyrite becoming sparse with depth, with traces of molybdenite highly fractured grading downward to moderately fractured, becomes finer-grained near 438' but with some shearing at 438' | | | | | 380 | 390 | .14 | .02 | | | | |
| | | | | | | | 390 | 410 | .10 | Tr | | | | |
| | | | | | | | 410 | 420 | .10 | Tr | | | | |
| | | | | | | | 420 | 430 | .05 | Tr | | | | |
| 438 | 450 | Silicified fault gouge (?) pale tannish gray aphanitic with minor blebs of chlorite (?) and with quartz "Eyes" and blebs of magnetite and of sericite | | | | | 430 | 450 | .05 | Tr | | | | |
| 450 | 523 | Quartz diorite, greenish gray, fine to medium-grained with some disseminated pyrite and lesser chalcopyrite with some vugs locally with blebs of chalcopyrite in vugs, possibly sheared near 450', grading finer-grained locally and near 523' (Intrusive Contact) | | | | | 450 | 460 | .06 | Tr | | | | |
| | | | | | | | 460 | 470 | .07 | Tr | | | | |
| | | | | | | | 470 | 490 | .11 | Tr | | | | |
| | | | | | | | 490 | 500 | .15 | Tr | | | | |
| | | | | | | | 500 | 510 | .21 | .01 | | | | |
| | | | | | | | 510 | 530 | .22 | Tr | | | | |
| 523 | 675 | Andesite, greenish gray, fine-grained to aphanitic with epidote alteration, with disseminated pyrite and with chalcopyrite locally highly fractured near 523 grading down to moderately fractured, with some silicified zones below 611' and with many veinlets of quartz, becoming highly altered and sheared and with considerable pyrite near fault (?) at 675' | | | | | 530 | 540 | .21 | Tr | | | | |
| | | | | | | | 540 | 550 | .16 | Tr | | | | |
| | | | | | | | 550 | 570 | .18 | .01 | | | | |
| | | | | | | | 570 | 580 | .14 | Tr | | | | |
| | | | | | | | 580 | 590 | .20 | .01 | | | | |
| | | | | | | | 590 | 610 | .22 | Tr | | | | |
| | | | | | | | 610 | 620 | .18 | Tr | | | | |
| | | | | | | | 620 | 630 | .13 | .01 | | | | |
| | | | | | | | 630 | 640 | .16 | .01 | | | | |

DIAMOND DRILL RECORD

| DESCRIPTION | | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|-------------|-----|-------------|----|-----------|------------|--------|-----|------|------|-----------------------|------|------|--|
| FROM | TO | FROM | TO | ACC WIDTH | SAMPLE NO. | FROM | TO | % CU | MO | AU W | AG W | CU W | |
| 675 | 719 | | | | | 640 | 650 | 0.26 | 0.02 | | | | |
| | | | | | | 650 | 660 | 0.20 | 0.02 | | | | |
| | | | | | | 660 | 670 | 0.15 | 0.01 | | | | |
| | | | | | | 670 | 680 | 0.30 | 0.01 | | | | |
| | | | | | | 680 | 690 | 0.02 | 0.01 | | | | |
| 719 | 826 | | | | | 690 | 700 | 0.02 | 0.01 | | | | |
| | | | | | | 720 | 740 | 0.01 | Tr | | | | |
| | | | | | | 760 | 780 | 0.01 | Tr | | | | |
| | | | | | | 800 | 826 | 0.01 | Tr | | | | |

Datum: 66+25N, 2+30E

Elevation: 4790'

Started: Sept. 25, 1970

Completed: Oct. 1, 1970

Ultimate Depth: 1246'

Depth Bearing Dip

0 S 61°E -45°

500 S 72°E -55°

1000 S 75°E -59-1/2°

1246 N74°W(?) -53°

Logged by: C. C. McFall

Drilled by: D. W. Coates Enterprises

Recovery: Essentially 100%

Assays by: TSL, Smithers, B. C.

BIG ONION

HOLE NO. C-12

PAGE 1

DIAMOND DRILL RECORD

| DESCRIPTION | | CORE LENGTH | | | | DEPTH ASSAYS | | | | ACCUMULATIVE AVERAGES | | | | |
|-------------|------|-------------|----|-----------|------------|----------------------|----------------------|------|------|-----------------------|------|------|--|--|
| FROM | TO | FROM | TO | ACC WIDTH | SAMPLE NO. | 110Z 110Z | 110Z 110Z | % CU | % MO | AU W | AG W | CU W | | |
| 0 | 85' | | | | | 85 | 90 | .60 | .01 | | | | | |
| 85 | 625' | | | | | 90 | 100 | .53 | .01 | | | | | |
| | | | | | | 100 | 110 | .39 | .01 | | | | | |
| | | | | | | 110 | 120 | .17 | Tr | | | | | |
| | | | | | | 120 | 130 | .26 | Tr | | | | | |
| | | | | | | 130 | 140 | .14 | .01 | | | | | |
| | | | | | | 140 | 150 | .20 | .01 | | | | | |
| | | | | | | 150 | 160 | .15 | Tr | | | | | |
| | | | | | | 160 | 170 | .15 | Tr | | | | | |
| | | | | | | 170 | 180 | .11 | Tr | | | | | |
| | | | | | | 180 | 190 | .14 | Tr | | | | | |
| | | | | | | 190 | 200 | .13 | Tr | | | | | |
| | | | | | | 200 | 210 | .22 | Tr | | | | | |
| | | | | | | 210 | 220 | .23 | Tr | | | | | |
| | | | | | | 220 | 240 | .13 | Tr | | | | | |
| | | | | | | 240 | 250 | .12 | Tr | | | | | |
| | | | | | | 250 | 260 | .16 | .01 | | | | | |
| | | | | | | 260 | 270 | .12 | Tr | | | | | |
| | | | | | | 270 | 280 | .13 | Tr | | | | | |
| | | | | | | 280 | 290 | .13 | Tr | | | | | |
| | | | | | | 290 | 300 | .18 | Tr | | | | | |
| | | | | | | 300 | 310 | .22 | Tr | | | | | |
| | | | | | | 310 | 320 | .14 | Tr | | | | | |
| | | | | | | 320 | 340 | .20 | Tr | | | | | |
| | | | | | | 340 | 350 | .11 | Tr | | | | | |

DIAMOND DRILL RECORD

| FROM | TO | DESCRIPTION | CORE LENGTH | | | | DEPTH ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|------|-----|---|-------------|----|-----------|------------|--------------|--------|------|------|-----------------------|------|------|--|
| | | | FROM | TO | ACC WIDTH | SAMPLE NO. | AU OZ. | AG OZ. | % CU | % MO | AU W | AG W | CU W | |
| | | with some calcite in vugs, | | | | | 350 | 360 | .11 | Tr | | | | |
| | | locally with epidote alteration, | | | | | 360 | 380 | .13 | Tr | | | | |
| | | with shearing at 537', | | | | | 380 | 390 | .10 | Tr | | | | |
| | | in vicinity of 580' vuggy with calcite in vugs, | | | | | 390 | 400 | .14 | Tr | | | | |
| | | with chlorite and some hematite after | | | | | 400 | 420 | .23 | Tr | | | | |
| | | magnetite on shear surfaces | | | | | 420 | 430 | .20 | Tr | | | | |
| | | (Gradational Contact) | | | | | 430 | 440 | .18 | Tr | | | | |
| | | | | | | | 440 | 460 | .18 | Tr | | | | |
| 625 | 956 | Chilled phase on quartz diorite pluton, | | | | | 460 | 470 | .12 | Tr | | | | |
| | | generally greenish grey, porphyritic and fine- | | | | | 470 | 480 | .12 | .01 | | | | |
| | | grained grading down to very fine-grained, | | | | | 480 | 500 | .17 | Tr | | | | |
| | | locally very highly Kaolinized (?) and | | | | | 500 | 510 | .25 | Tr | | | | |
| | | chloritized, | | | | | 510 | 520 | .17 | .01 | | | | |
| | | quite vugular, with much shearing | | | | | 520 | 530 | .23 | Tr | | | | |
| | | and fracturing, with disseminated pyrite, | | | | | 530 | 540 | .20 | Tr | | | | |
| | | chalcopyrite, and some molybdenite, with | | | | | 540 | 550 | .24 | Tr | | | | |
| | | epidote common below 840', locally with | | | | | 550 | 560 | .20 | Tr | | | | |
| | | chalcocite (?) | | | | | 560 | 570 | .25 | Tr | | | | |
| | | 884'-898' especially sheared and with much | | | | | 570 | 580 | .25 | Tr | | | | |
| | | pyrite in veinlets and more chalcopyrite | | | | | 580 | 590 | .23 | Tr | | | | |
| | | 898'-956' dark greenish grey, little fractured, | | | | | 590 | 600 | .18 | Tr | | | | |
| | | and continued heavy pyrite veinlets, | | | | | 600 | 610 | .18 | Tr | | | | |
| | | (Sheared Contact) | | | | | 610 | 620 | .20 | Tr | | | | |
| | | | | | | | 620 | 630 | .12 | .01 | | | | |
| | | | | | | | 630 | 640 | .23 | .01 | | | | |

DIAMOND DRILL RECORD

| FROM | | TO | DESCRIPTION | CORE LENGTH | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | | |
|------|------|----|---|-------------|----|-----------|------------|-------|-------|------|-----------------------|-------|-------|------|------|
| | | | | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | DEPTH | % CU | % MO | DEPTH | ACC W | CU W | % MO |
| 956 | 998 | | Altered tuff, dull red to varying shades of grey, moderately fractured, locally vugular, with disseminated pyrite, minor chalcopyrite, and some chalcocite (?) | | | | | 640 | 650 | .57 | .01 | 640 | 800 | .39 | .006 |
| | | | | | | | | 650 | 660 | .69 | Tr | | | | |
| | | | | | | | | 660 | 670 | .28 | Tr | | | | |
| | | | | | | | | 670 | 680 | .36 | Tr | | | | |
| | | | | | | | | 680 | 690 | .35 | Tr | | | | |
| | | | | | | | | 690 | 700 | .27 | Tr | | | | |
| | | | | | | | | 700 | 710 | .21 | Tr | | | | |
| | | | | | | | | 710 | 720 | .17 | Tr | | | | |
| 998 | 1010 | | Silicified tuff (?) vein ?, off-white, vugular, with disseminated pyrite, | | | | | 720 | 730 | .47 | .01 | | | | |
| | | | | | | | | 730 | 740 | .37 | .01 | | | | |
| | | | | | | | | 740 | 750 | .56 | Tr | | | | |
| 1010 | 1024 | | Tuff, dull red to greenish grey, with disseminated pyrite, (grading into) | | | | | 750 | 760 | .36 | Tr | | | | |
| | | | | | | | | 760 | 770 | .45 | .02 | | | | |
| | | | | | | | | 770 | 780 | .38 | .02 | | | | |
| | | | | | | | | 780 | 790 | .40 | .02 | | | | |
| 1024 | 1175 | | Silicified tuff, mottled but generally very pale grey, with disseminated pyrite but only traces of chalcopyrite, little fractured, with traces of epidote, with unsilicified zone 1086' - 1108', which contains a minor vuggy interval lined with crystalline calcite, sulfides sparse below 1100', | | | | | 790 | 800 | .37 | Tr | | | | |
| | | | | | | | | 800 | 810 | .20 | Tr | | | | |
| | | | | | | | | 810 | 820 | .14 | Tr | | | | |
| | | | | | | | | 820 | 830 | .13 | Tr | | | | |
| | | | | | | | | 830 | 840 | .26 | Tr | | | | |
| | | | | | | | | 840 | 850 | .33 | Tr | | | | |
| | | | | | | | | 850 | 860 | .08 | Tr | | | | |
| | | | | | | | | 860 | 870 | .12 | Tr | | | | |
| | | | | | | | | 870 | 880 | .17 | Tr | | | | |
| | | | | | | | | 880 | 890 | .31 | Tr | | | | |

DIAMOND DRILL RECORD

| DESCRIPTION | | CORE LENGTH | | | | ASSAYS | | | | ACCUMULATIVE AVERAGES | | | |
|-------------|------|---|----|-----------|------------|--------|-------|------|------|-----------------------|------|------|--|
| | | FROM | TO | ACC WIDTH | SAMPLE NO. | DEPTH | DEPTH | % CU | % MO | AU W | AG W | CU W | |
| 1175 | 1246 | Tuff, dull red, very fine-grained, TD generally unmineralized and little fractured | | | | 890 | 900 | .42 | Tr | | | | |
| | | | | | | 900 | 910 | .24 | Tr | | | | |
| | | | | | | 910 | 920 | .28 | Tr | | | | |
| | | | | | | 920 | 930 | .22 | Tr | | | | |
| | | | | | | 930 | 940 | .25 | .01 | | | | |
| | | | | | | 940 | 950 | .07 | Tr | | | | |
| | | | | | | 950 | 960 | .06 | Tr | | | | |
| | | | | | | 960 | 970 | .03 | Tr | | | | |
| | | | | | | 970 | 980 | .02 | Tr | | | | |
| | | | | | | 980 | 990 | .03 | Tr | | | | |
| | | | | | | 990 | 1000 | .05 | Tr | | | | |
| | | | | | | 1000 | 1010 | .05 | Tr | | | | |
| | | | | | | 1010 | 1020 | .01 | Tr | | | | |
| | | | | | | 1020 | 1030 | .01 | Tr | | | | |
| | | | | | | 1030 | 1040 | Tr | Tr | | | | |
| | | | | | | 1040 | 1050 | Tr | Tr | | | | |
| | | | | | | 1050 | 1060 | Tr | Tr | | | | |
| | | | | | | 1080 | 1100 | Tr | Tr | | | | |
| | | | | | | 1120 | 1140 | Tr | Tr | | | | |
| | | | | | | 1160 | 1180 | Tr | Tr | | | | |
| | | | | | | 1200 | 1220 | Tr | Tr | | | | |
| | | | | | | 1240 | 1246 | Tr | Tr | | | | |

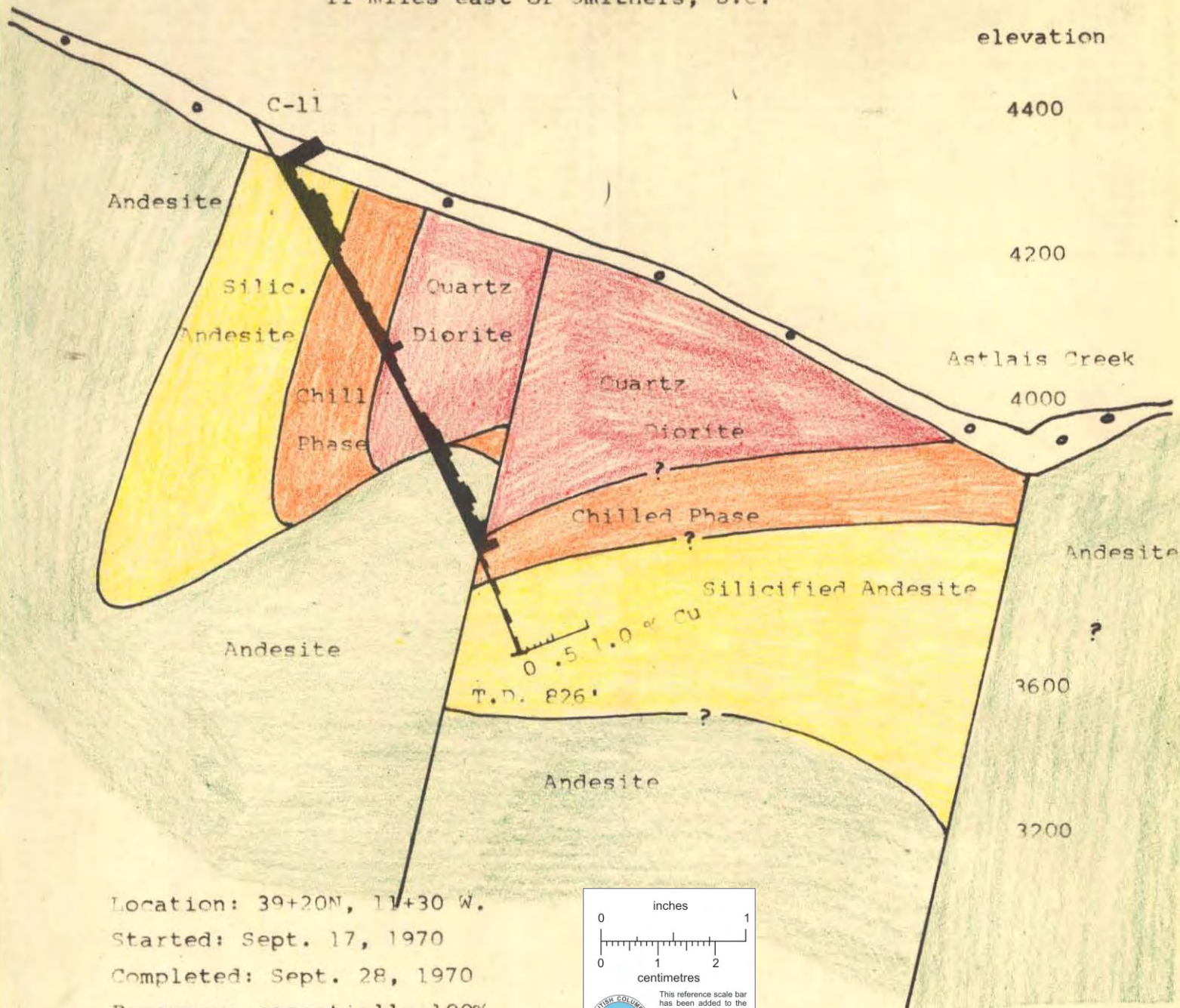
N. 30° W.

S. 30° E.

CROSS-SECTION DRILL HOLE C-11

BIG ONION PROJECT

11 miles east of Smithers, B.C.



elevation

4400

4200

4000

3600

3200

Andesite

Silic.

Andesite

Chill

Phase

Andesite

Andesite

Andesite

Quartz

Diorite

Quartz

Diorite

Chilled Phase

Silicified Andesite

Astlais Creek

Andesite

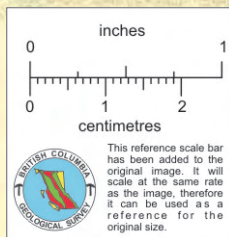
?

Location: 39+20N, 11+30 W.

Started: Sept. 17, 1970

Completed: Sept. 28, 1970

Recovery: essentially 100%



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

5200

PRELIMINARY

N. 55° W.

CROSS-SECTION DRILL HOLES C-12 & C-13

S. 55° E.

5000

Elevation

C-13

Astlais Creek

C-12

CP

4800

Andesite and Silicified Andesite
(estimated to average <0.1% Cu)

Quartz
(quartz diorite in C-12
85-630 (545')
0.19% Cu)

Diorite
in C-12
averaged

Tuffs

4600

4400

C-13
Location: 64+30N, 5+50W
Started: October 4, 1970
Completed: October 16, 1970
Ultimate Depth: 1516'

Chilled

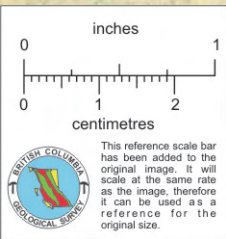
C-12
Location: 66+25N, 2+30E
Started: Sept. 25, 1970
Completed: Oct. 1, 1970
Ultimate Depth: 1246'

(estimated to average
0.2% Cu)
Phase
(chilled phase
in C-12, 630-950
(320') averaged 0.31% Cu)

4000

(estimated to average <0.1% Cu)
Tuffs

3800



1.0% Cu

Scale: 1"=200'