

GM 21747

Diamond drill record, Manitou property, Bourlamaque township

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Énergie et Ressources
naturelles

Québec 

QUEBEC MANITOUC BARVUE MINES LIMITED
 MANITOU-BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°
 43° 45' @ 200'
 38° 00' @ 400'
 34° 30' @ 600'

Started Dec. 20, 1966

Lat. 15,947

Bearing N 5° W

Hole No. Q.M. # 117

Completed Jan. 9, 1967

Dep. 25,790

Elev

Sheet No. (1)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | |
|-------------------|-------|--|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | |
| FROM | TO | | | | | | | | | | PB | ZN | CU | | |
| 0.0 | 9.0 | Casing | | | | | | | | | | | | | |
| 9.0 | 92.3 | <u>Tuff and Breccia:</u> Light med. green, some chlorite, siliceous, sheared, fragmental, sericite, plating along shear planes. No sulphide mineralization. Qtz. Carb. 10.9(1/2"); 67.6(3"); 70.9(1"); 72.7(2"); 80.8(1"). Extremely sharp contact. | | | | | | | | | | | | | |
| 92.3 | 259.2 | Tuff: Muddy grayish green varying occasionally to a vague brown, normal shearing, fairly soft, very fine grained, considerable sericite but very minor chlorite interspersed with short inclusions of harder more siliceous tuff and breccia and very rarely individual siliceous fragments, some bust staining associated with Qtz. and carbonated to 204.8 (apparently caused by ground water). Coarse grained Fe ₂ . 139.0-141.2; 190.2; 324.2-325.5 (Very Minor). Tuff and Breccia Inclusions: 143.6-146.0; 149.5-150.5; 168.3-174.5; 192.0-196.6; 201.0-201.4; 222.1-224.4; 253.0-257.6 Diorite Dikes: 129.5-132.5 (Coarse grained with a few fragments) 146.0-149.5. Qtz. Carb. 149.5-150.7 40%; 158.8(2"); 169.5(2"); 179.5-180.0 40%; 193.0(2"); 222.4-224.4 20%; 229.7(2"). Tiny stringers 1/4" or less 2-3%. | | | | | | | | | | | | | |
| 259.2 | 270.9 | Tuff and Breccia: Med. green, some Chlorite and sericite siliceous, well sheared, minor carbonate.. | | | | | | | | | | | | | |

GM-21747

MANITOU-BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips _____ Started _____ Lat. _____ Bearing _____ Hole No. **Q.M. # 117**
 Completed _____ Dep. _____ Elev _____ Sheet No. **(2)**

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|-------|---|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| FROM | TO | | | | | | | | | | PB | ZN | CU | | | | |
| | | Qtz. Carb. 265.5($\frac{1}{2}$ "). other tiny threads 1-2% | | | | | | | | | | | | | | | |
| 270.9 | 375.0 | Dacite: Med. green, very hard, massive, sectionally porphyritic with large phenocrysts some epidote with porphyry with larger amounts large blobs starting around 340.0 275.7-291.1 evidence of primary fracturing now filled with secondary silica. Zns Veinlets: 285.3($\frac{1}{4}$ "); 285.6($\frac{1}{4}$ "); 326.8 small splashes Fes ₂ -Cufes ₂ : 304.0, 324.3 very minor. Qtz. Carb. 303.7-323.9 15%; 366.9(1") | | | | | | | | | | | | | | | |
| 375.0 | 418.4 | Dacite: Same as above, very hard massive, fine grained epidotized, very porphyritic, 391.0 coarse Fes ₂ crystals. Quartz: 366.9(1"); 374.1(1"); 374.6($\frac{1}{2}$ "); 386.1(4"); 387.2-388.3 90%; 391.8-392.9 70%; 396.9-398.9 practically no carbonate in Qtz. | | | | | | | | | | | | | | | |
| 418.4 | 426.5 | Tuff: Muddy blue gray, fine grained, contains a few dacite fragments, fairly soft, sheared, very fine grained Fes ₂ 10-15% a few crystals Cufes ₂ | 5.0 | 420.0-425.0 | TR | TR | 0.13 | | | | 29090 | | | | | | |
| 426.5 | 486.7 | Dacite: Same as above dacite. tuff inclusions: 440.0-442.6 Qtz. Carb. 429.2(1"); 445.6(1"); 480.9-482.6 narrow stringers 25% | | | | | | | | | | | | | | | |
| 486.7 | 504.6 | Tuff: Light to muddy gray, fine grained, sheared, scattered dacite fragments, minor epidote near first contact. fine grained Fes ₂ 10% Dike: 491.5-492.2 Massive | 5.0 | 495.0-500.0 | TR | .08 | 0.05 | | | | 29091 | | | | | | |

QUEBEC MANITOU MINES LIMITED
MANITOU-BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -45°
41° 15' @ 200'
31° 00' @ 400'

Started Jan. 4, 1967

Lat. 15,172

Bearing N 50 W

Hole No. Q.M. # 119

Completed Jan. 7, 1967

Dep. 28,617

Elev

Sheet No. (1)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|-------|---|--------------------|---------------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| FROM | TO | | | | | | | | | | PB | ZN | CU | |
| 0.0 | 20.0 | Casing | | | | | | | | | | | | |
| 20.0 | 155.9 | Tuff and Breccia: Fairly dark, chloritized, med. to fine grained, siliceous, generally sheared, very little sericite. | 2.7 | 57.3-60.0 | .005 | .07 | 0.50 | | | | 29064 | | | |
| | | Fes ₂ -Cufes ₂ : 57.5-58.7 (Minor) 98.7(1/2") in Qtz.; | 3.9 | 127.8-131.7 | .005 | .07 | 0.28 | | | | 29081 | | | |
| | | 127.9-149.4 (Disseminated and normally veinlets) | 5.8 | 131.7-137.5 | TR | .02 | 1.00 | | | | 29082 | | | |
| | | Minor Fes ₂ only: 150.3 | 3.5 | 137.5-141.0 | TR | .08 | 0.48 | | | | 29083 | | | |
| | | Qtz. Carb: 73.0(1"); 115.0-116.0 90%; 131.8(1"); 145.3(1") | 4.9 | 141.0-145.9 | .01 | .05 | 0.60 | | | | 29084 | | | |
| 155.9 | 520.2 | Tuff and Breccia: Med. green, chloritic, med. grained, moderately sheared, fragments less are sparse. | | | | | | | | | | | | |
| | | 155.9-217.6 Porphyritic (Qtz. Porphyry) and Carbonated in some areas, very hard | 2.1 | 187.9-190.0 | TR | TR | 0.43 | | | | 29086 | | | |
| | | Fes ₂ -Cufes ₂ : 188.6-189.3 (Minor); 233.4(1/2"); 249.6(1/2") | | | | | | | | | | | | |
| | | 292.2-293.2 (Very minor disseminated) | | | | | | | | | | | | |
| | | Diorite Dike: 306.9-308.2 | | | | | | | | | | | | |
| | | Qtz. Carb. 173.5(1"); 231.7-232.4; 269.2(1"); 292.0(2") | | | | | | | | | | | | |
| | | 300.7-315.3 Narrow stringers 5-10% | | | | | | | | | | | | |
| 320.2 | 331.1 | Diorite Dike: 60% Fragmented, Remainder tuff and breccia | | | | | | | | | | | | |
| 331.1 | 366.5 | Tuff and breccia: Light med. green, some chlorite, hard siliceous, fine grained, slight sericite sheared | 4.3 | 345.7-350.0 | TR | TR | 0.78 | | | | 29087 | | | |
| | | Fes ₂ -Cufes ₂ : 345.7-357.3 scattered narrow stringers | 3.2 | 350.0-353.2 | .005 | .09 | 1.72 | | | | 29088 | | | |
| | | Qtz. Carb. 354.1(2"); other tiny veinlets 1-2% | 4.1 | 353.2-357.3 | .005 | .13 | 0.58 | | | | 29089 | | | |
| 366.5 | 412.0 | Tuff and Breccia: Similar to above, more sericite alteration and possibly a little more chlorite, softer and more highly sheared. | | | | | | | | | | | | |
| | | Fes ₂ : 376.3; 386.5-387.9; 395.3; 407.0 all tiny 1/4" to 1/2" | | | | | | | | | | | | |
| | | Veinlets. Qtz. Carb. 403.4-408.5 Narrow Stringers 15%. | | | | | | | | | | | | |
| | | | | 131.7-145.9= 14.2 @ | .003 | 0.05 | 0.73 | | | | | | | |
| | | 412.0 END OF HOLE | | 345.7-353.2= 7.5 @ | .002 | 0.04 | 1.18 | | | | | | | |
| | | | | 345.7-357.3= 11.6 @ | .003 | 0.07 | 0.97 | | | | | | | |

QUEBEC MANITOU MINES LIMITED
MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -80°

Started Feb. 2/67

Lat. 16258

Bearing S 5° E

Hole No. G.N. # 136

Completed Apr. 14/67

Dep. 27407

Elev

Sheet No. (1)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | |
|-------------------|-------|---|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | |
| 0.0 | 80.0 | Casing. | | | | | | | | | | | | | |
| 80.0 | 125.0 | Tuff and Breccia: Quite hard, siliceous, sheared, sericite along shear planes, dark green, some carbonate. Qtz. Carb. 91.3(1/2"), 92.6(1/2"), 93.3(1/2"), 94.8(1/2"), 122.4(1"). | | | | | | | | | | | | | |
| 125.0 | 204.5 | Tuff and Breccia: Similar to above. Folding @ 161.8 Qtz. Carb. 130.3-132.2 60%; 162.0-167.6 90%; 174.3-176.7 40%, 181.7-184.5 20%; 191.2-194.6 50%; 202.0(1"). | | | | | | | | | | | | | |
| 204.5 | 285.3 | Andesite, Andesite Porphyry and Minor Tuff (5%) dark green, quite massive, fine medium grained. Qtz. Carb. 228.6-243.0 15%; 262.7-272.7 10%; Remainder a few narrow stringers. | | | | | | | | | | | | | |
| 285.3 | 333.7 | Tuff and Breccia: Dark green, sheared, siliceous, sericitized. Folding @ 297.7 Qtz. Carb. 299.1(3"); 327.0-327.6. | | | | | | | | | | | | | |
| 333.7 | 425.0 | Andesite & Andesite Porphyry: dark green, massive, some epidote Qtz. Carb. 339.7-355.1 10%, 359.8-361.0 90%, 387.5(1"). | | | | | | | | | | | | | |
| 425.0 | 490.3 | Andesite & Andesite porphyry: Similar to above. Qtz. Carb. 442.0(3"), 445.2-460.5 (50%), 463.5(1"), 472.8(5"), Red Carb. @ 447.0 & 500.0 | | | | | | | | | | | | | |
| 490.3 | 503.2 | Andesite Porphyry: Dark green, massive, coarse grained, phenocrysts up to 1/2". Qtz. Carb. 493.6(1"). | | | | | | | | | | | | | |
| 503.2 | 572.4 | Tuff and Breccia: Hard, siliceous, cherty a number of fragments are coloured red, considerable red colouring 530.9-534.8. | | | | | | | | | | | | | |
| 572.4 | 620.8 | Tuff and Breccia: Med. green, softer than above, sheared, sericitized. Qtz. Carb. 573.1(1"), 584.1(1"). | | | | | | | | | | | | | |
| 620.8 | 694.4 | Tuff and Breccia: Med. green, finer grained, harder, more siliceous than above, scattered blobs and small | | | | | | | | | | | | | |

NOTE
FROM 0.0' TO 2465.0' HOLE IS ON QUEBEC MANITOU PROPERTY.
REMAINDER OF HOLE IS ON MANITOU BARVUE PROPERTY.

F. J. Conway

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -80°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 126

Completed _____

Dep. _____

Elev _____

Sheet No. (2)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | |
|-------------------|--------|--|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | |
| | | Phenocrysts of carbonate and epidote, sheared to moderately massive. 638.6-664.0 very cherty. 620.8-649.4 traces pale pink staining in fragments and in sericite along shear planes. Qtz. Carb. 662.2(2"); 664.6(1"); 669.6(1"); 690.0(1/2"). | | | | | | | | | | | | | | |
| 694.4 | 723.6 | <u>Tuff and Breccia:</u> (Chlorite - Sericite Schist) Gray green, well sheared, siliceous but softer than above. fragments are vague, sheared out. 718.5-723.6 Fragmental cherty. Qtz. Carb. Small blobs and veinlets 2%. | | | | | | | | | | | | | | |
| 723.6 | 743.3 | <u>Intermediate Tuff:</u> Dark gray green, soft, sheared, highly chloritized, carbonated. Qtz. Carb. Numerous small stringers and veinlets 10%. | | | | | | | | | | | | | | |
| 743.3 | 806.8 | <u>Andesite:</u> Med. green, chloritic, moderately sheared, lightly carbonated, med. hard short inclusions of tuff or tuffaceous material 20%. Sparse blobs of epidote. Qtz. Carb. 762.6-763.9 60%; 799.4(1"); 803.5-806.5 70%, numerous small veinlets under 1/8" 5%. | | | | | | | | | | | | | | |
| 806.8 | 1044.3 | <u>Andesite and Andesite porphyry:</u> Med. green, hard, massive, a few widely scattered alips and fractures, carbonated, 882.0-978.0 epidotized. Feldspar are mostly fine, usually under 1/8" except section 1010.5-1038.0. Qtz. Carb. 811.6-812.5; 814.4(1"); 814.7(1/2"); 816.0-817.7 80%; 821.6(1"); 828.8-875.0 numerous veinlets, some fracture filling 10%; 905.5(2") 908.7-909.4 25%; 913.2-913.7 75%; 915.3-916.2 70%; 924.1 (1"); 985.5-987.7 15%; 1000.7-1009.9 narrow veinlets 6-8%; 1063.0-1063.4 65% | | | | | | | | | | | | | | |
| 1044.3 | 1066.2 | <u>Intermediate Tuff:</u> Soft, dark, chloritized, well sheared | | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips 30°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. / 126

Completed _____

Dep. _____

Elev _____

Sheet No. (3)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | |
|-------------------|--------|---|--------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | |
| | | carbonated. | | | | | | | | | | | | | |
| | | Qtz. Carb. narrow veinlets under 1/2" 15%. | | | | | | | | | | | | | |
| 1066.2 | 1163.8 | <u>Andesite and Andesite Porphyry:</u> Med. green with a few darker more chloritic inclusions, fairly hard, massive to moderately sheared, some carbonate sectionally epidotized (large blobs). Cufes ₂ : 1100.1; 1100.3 small blobs in Qtz. Qtz. Carb. 1082.7 narrow stringers 3%; 1103.0-1102.4 50% (Pink Staining); 1104.9(2"); 1116.4(2"); 1126.9-1136.5 10%; 1150.2(1/2"). | | | | | | | | | | | | | |
| 1163.8 | 1279.1 | <u>Andesite Porphyry:</u> Gray green, hard, massive, carbonated and epidotized, coarse grained. Tuff Inclusions: 1265.7-1267.1; 1271.8-1275.1. Splash Cufes ₂ in Qtz. 1246.2 Qtz. Carb. 1215.3-1220.8 30%; 1241.4-1245.8 60%; 1271.8-1272.9 50%. | | | | | | | | | | | | | |
| 1279.1 | 1409.6 | <u>Tuff and Breccia:</u> Fairly dark, well chloritized, some shearing, med. to med. fine grained 1303.0-1409.6 considerable carbonate. Becomes gradually more highly sheared and fragmental in latter part of sections generally soft. Small Flecks and Threads Fes ₂ -Cufes ₂ : 1310.5; 1323.6-1324.9; 1331.0; 1331.5; 1350.7; 1372.7; 1374.2. Minor Fes ₂ Only; 1401.1-1403.2 Diorite Dikes: 1394.8-1395.5; 1402.9(1"); 1407.8-1408.5 | | | | | | | | | | | | | |
| | | | 1.7 | 1323.3-1325.0 | .005 | .07 | 0.20 | | | 29643 | | | | | |
| | | | 1.9 | 1330.0-1331.9 | Tr. | .02 | 0.48 | | | 29644 | | | | | |
| | | | 2.8 | 1372.2-1375.0 | Tr. | .06 | 0.40 | | | 29645 | | | | | |
| 1409.6 | 1455.2 | <u>Tuff and Breccia:</u> Med. dark green, chloritic, med. hard, siliceous, highly sheared, some sericite. 1419.8-1450.0 Widely Scattered threads, veinlets and small stringers Fes ₂ -Cufes ₂ , lying along shear planes | 5.2 | 1419.8-1425.0 | Tr. | Tr. | 0.18 | | | 29647 | | | | | |
| | | | 7.5 | 1425.0-1432.5 | Tr. | .06 | 0.10 | | | 29648 | | | | | |
| | | | 3.2 | 1432.5-1435.7 | .005 | .01 | 0.48 | | | 29649 | | | | | |
| | | | 2.9 | 1435.7-1438.7 | Tr. | Tr. | 0.05 | | | 29650 | | | | | |
| | | | 3.2 | 1438.6-1441.8 | .005 | Tr. | 0.43 | | | 29651 | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -80°

Started _____

Lat. _____

Bearing _____

Hole No. Q.N./126

Completed _____

Dep. _____

Elev _____

Sheet No. (4)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | |
|-------------------|--------|---|--------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU |
| 1455.2 | 1462.1 | Qtz. Carb. 90% No Sulphide | 5.2 | 1441.8-1447.0 | .005 | Tr. | 0.15 | | | 29652 | | | |
| | | <u>Tuff and Breccia:</u> Very similar to above, possibly slightly harder with less sericite. | | | | | | | | | | | |
| | | Sparse narrow veinlets Fes ₂ 2-3%, very minor | 3.0 | 1470.3-1473.3 | .005 | .13 | 0.15 | | | 29701 | | | |
| | | Minor Cufes ₂ with fes ₂ . | | | | | | | | | | | |
| 1481.6 | 1501.0 | Qtz. Carb. 65%. Remainder compact well chloritized | 3.6 | 1481.0-1483.6 | .005 | .03 | 0.16 | | | 29702 | | | |
| | | <u>Tuff and Breccia:</u> | 6.9 | 1483.6-1490.5 | Tr. | Tr. | 0.09 | | | 29703 | | | |
| | | Fes ₂ -Cufes ₂ : 1481.6; 1482.6(1"); (Very Minor) | 5.2 | 1490.5-1495.7 | .005 | .07 | 1.58 | | | 29704 | | | |
| | | Cufes ₂ in Qtz. 1490.7; 1493.1; 1494.3-1495.6 | 6.5 | 1495.7-1502.2 | .005 | .01 | 0.09 | | | 29705 | | | |
| 1501.0 | 1575.0 | <u>Tuff and Breccia:</u> Med. dark green, chloritized and sectionally well sericitized, highly sheared siliceous, fragments vague and sheared. | 5.9 | 1502.2-1508.3 | .005 | Tr. | 0.24 | | | 29706 | | | |
| | | Fes ₂ -Minor Cufes ₂ : 1502.3; 1507.0-1508.1; 1548.5(2") | 5.3 | 1548.4-1553.7 | .005 | .11 | 0.93 | | | 29707 | | | |
| | | 1551.3-1552.4; 1553.6; 1556.0 | 2.3 | 1553.7-1556.0 | .005 | .38 | 0.23 | | | 29708 | | | |
| | | Diorite Dike: 1530.7-1536.7; 1538.1(2"). | | | | | | | | | | | |
| 1575.0 | 1658.0 | Qtz. Carb. Narrow veinlets 2-3% | | | | | | | | | | | |
| | | <u>Tuff and Breccia:</u> Very similar to above, highly sheared, may be a little more schisted. | | | | | | | | | | | |
| | | and sericitized. | 5.9 | 1580.6-1586.5 | Tr. | .10 | 0.18 | | | 29762 | | | |
| | | Fes ₂ -Cufes ₂ : 1580.8-1648.0 widely scattered | 5.4 | 1586.5-1591.9 | .005 | .17 | 0.53 | | | 29763 | | | |
| | | Narrow veinlets ranging from 1/8" threads | 2.7 | 1591.9-1594.6 | .005 | .09 | 0.43 | | | 29764 | | | |
| | | up to 1" (Very low values) | 5.4 | 1594.6-1600.0 | .005 | .05 | 0.15 | | | 29765 | | | |
| | | Diorite Dike: 1581.2(2"). | 2.9 | 1600.0-1602.9 | .005 | .15 | 0.93 | | | 29766 | | | |
| | | Folding: 1591.8; 1593.0; 1613.0. | 7.1 | 1602.9-1610.0 | Tr. | .02 | 0.05 | | | 29767 | | | |
| | | Qtz. Carb. 1577.2-1581.2 Narrow veinlets 10%; 1602.7(3") | 6.3 | 1610.0-1616.3 | Tr. | .04 | 0.08 | | | 29768 | | | |
| | | Lost Core: 1605.6-1606.5; 1632.0-1633.7; | 5.2 | 1616.3-1621.5 | .005 | .07 | 0.25 | | | 29769 | | | |
| 1658.0 | 1779.2 | <u>Tuff and Breccia:</u> Slightly darker, more chloritic than above, generally a little coarser grained and less highly sheared, some sericite alteration | 6.0 | 1621.5-1627.5 | .005 | .30 | 0.45 | | | 29770 | | | |
| | | | 7.5 | 1627.5-1635.0 | Tr. | .06 | 0.10 | | | 29771 | | | |
| | | | 8.5 | 1635.0-1643.5 | .005 | .03 | 0.08 | | | 29772 | | | |
| | | Narrow Veinlets Fes ₂ : 1665.3(1"); 1712.3(1"); 1716.3- | 1.5 | 1643.5-1645.0 | Tr. | .14 | 0.44 | | | 29773 | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -80°

Started _____

Lat. _____

Bearing _____

Hole No. Q.S. # 126

Completed _____

Dep. _____

Elev _____

Sheet No. (5)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|--------|--|--------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| | | 1732.1-1746.9 (Threads); 1767.5-1768.3 (Traces Cufes ₂) Qtz. Carb. 1727.5-1731.0 80%; 1754.2(3"); 1765.5(3"). Lost Core: 1869.2-1870.0; 1878.3-1879.5; 1892.8-1893.4; 1736.0-1737.0 | 5.0 | 1645.0-1650.0 | Tr. | .04 | 0.09 | | | | 29774 | | | |
| 1779.2 | 1875.0 | <u>Tuff and Breccia:</u> Very similar to above but more gray green with less chlorite normal shearing, fairly hard, siliceous. Fes ₂ : 1781.3(1"); 1858.8(1"); 1824.0(1"). Fes ₂ -Cufes ₂ : 1827.6(1/8"); 1852.6(1/8"); 1832.4 (Splash). Lost Core: 1790.4-1791.6; 1799.2-1800.0. Qtz. Carb. 1807.1(1"); 1809.8-1812.8 70%; 1823.2(5"); 1832.3-1833.9 30%(Folded); 1841.4-1842.0 15%. Folding: 1849.1 | | | | | | | | | | | | |
| 1875.0 | 1962.5 | <u>Tuff and Breccia:</u> Same as above. Locally more highly sheared (Buttons). Fes ₂ -Cufes ₂ : 1877.3-1883.2 (Sparse tiny veinlets); Qtz. Carb. 1902.3(1"); 1920.6-1923.1 10%; 1932.3(1"); 1948.7(3"). | 8.0 | 1877.3-1883.3 | .005 | .07 | 0.36 | | | | 29838 | | | |
| 1962.5 | 2002.0 | <u>Tuff and Breccia:</u> Blue gray, slightly darker than above, finer grained, considerably sheared (Some sericite Schist) Siliceous. Sparse Fes ₂ : 1965.6-1970.8. Sparse threads Zns. 1978.4-1997.9. | | | | | | | | | | | | |
| 2002.0 | 2024.0 | <u>Tuff and Breccia:</u> Gray green, more compact but very talcy and sericitized along shears, uniform sparse tiny threads Zns. (Very Minor). Qtz. Carb. 2012.6(1"). | | | | | | | | | | | | |
| 2024.0 | 2075.0 | <u>Tuff and Breccia:</u> Med. green, chloritic, siliceous, fine grained, some sericite, well sheared, minor carbonate. | 3.7 | 2044.5-2048.2 | .005 | .05 | | | 1.05 | | 29876 | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -80°

Started _____

Lat. _____

Bearing _____

Hole No. Q.N. # 126

Completed _____

Dep. _____

Elev _____

Sheet No. (5)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|--------|---|--------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| | | Zns. threads: 2032.4-2048.2 (Very Minor). | | | | | | | | | | | | |
| | | Qtz. Carb. 2024.1-2025.2 50%; 2070.0-2072.0; 2073.7(1"). | | | | | | | | | | | | |
| | | Lost Core: 2030.0-2031.0; 2035.0-2035.9; 2036.8-2037.9; 2038.8-2042.1; 2051.2-2052.0; 2052.0-2059.0; 2069.0-2070.0; 2072.4-2073.3. | | | | | | | | | | | | |
| 2075.0 | 2107.2 | <u>Tuff and Breccia:</u> Same as above section. Fes ₂ : 2080.1(1/4"); 2080.7(1/4"). Qtz. Carb. 2075.9-2077.1 narrow stringers 15%; 2088.0-2090.1 50%; 2091.7(1/4"). Lost Core: 2082.9-2083.7; 2099.3-2100.9; 2103.6-2104.6 | | | | | | | | | | | | |
| 2107.2 | 2151.4 | <u>Tuff and Breccia:</u> Med. dark green, well chloritized, highly sheared, schist, minor sericitized, No distinct fragments. Fes ₂ -Gufes ₂ : 2110.4-2110.9 50% (Mostly Fes ₂) 2117.0(1/8"); 2126.0-2127.0 10%; 2130.0-2131.0 10%; 2136.2(1/4"); 2141.5(1/4"); (Fes ₂); 2144.4-2148.8 20%. Qtz. Carb. 2110.3(2"); 2124.3-2127.1 10%; 2128.6-2131.5 30%; 2145.2-2145.8 30%; 2148.9(1"). Lost Core: 2108.0-2109.5; 2142.9-2143.4; 2150.6(1/4"). | 1.5 | 2110.0-2111.5 | Tr. | .28 | 1.08 | | | | 29886 | | | |
| | | | 8.5 | 2111.5-2120.0 | Tr. | .04 | 0.08 | | | | 29887 | | | |
| | | | 6.0 | 2120.0-2126.0 | Tr. | .06 | 0.11 | | | | 29888 | | | |
| | | | 5.0 | 2126.0-2131.0 | .01 | .15 | 0.50 | | | | 29889 | | | |
| | | | 9.0 | 2131.0-2140.0 | .005 | .03 | 0.15 | | | | 29890 | | | |
| | | | 4.6 | 2140.0-2144.6 | Tr. | .06 | 0.13 | | | | 29891 | | | |
| | | | 5.0 | 2144.6-2149.6 | .01 | .56 | 2.35 | | | | 29892 | | | |
| | | | 1.8 | 2149.6-2151.4 | Tr. | .04 | 0.13 | | | | 29928 | | | |
| 2151.4 | 2224.7 | <u>Tuff and Breccia:</u> Same as above section, chloritized but quite hard, siliceous, well sheared, very little sulphides. Fes ₂ -Gufes ₂ : 2199.6(1"); 2214.8(1"). Qtz. Carb. 2153.5(2"); 2155.2(4"); 2160.1(2") 2163.7-2172.1 narrow stringers 5%; 2176.5(4"); 2183.3(1"); 2184.7(3"). Lost Core: 2177.5-2180.0; 2185.0-2193.1. | 1.5 | 2213.5-2215.0 | .02 | .40 | 1.13 | | | | 29951 | | | |
| 2224.7 | 2286.6 | <u>Tuff and Breccia:</u> Similar to above sections but becoming a little softer, less siliceous, some chlorite and sericite, sheared but sectionally fairly compact. | 2.0 | 2234.2-2236.2 | .005 | .21 | 0.73 | | | | 29952 | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips 80°

Started _____

Lat. _____

Bearing _____

Hole No. Q.F. # 126

Completed _____

Dep. _____

Elev _____

Sheet No. (7)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | |
|-------------------|--------|--|--------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | |
| | | Qtz. Carb. 2225.7-2226.2 50%; 2235.3-2243.8 40%; 2247.3(2"); 2254.7-2255.4 40%. | | | | | | | | | | | | | | |
| 2236.6 | 2308.0 | Tuff and Breccia: light green, siliceous, very fragmental with less rounded edges, sheared, some carbonate. Diorite Dike: 2288.2-2289.7 Qtz. Carb. 2307.4(1"). | | | | | | | | | | | | | | |
| 2308.0 | 2396.2 | Tuff and Breccia: light med. green, chloritic, some sericite, soft and more highly sheared than above, fragments usually vague and sheared out. Fes ₂ -Cufes ₂ : 2315.5(1"); 2330.7 (in Qtz.). Minor Fes ₂ -Cufes ₂ : - Zns: 2331.6 Diorite Dikes: 2312.5-2319.4; 2316.2-2319.9 Qtz. Carb. 2308.0-2309.6; 2328.1(1"); 2330.3(3"); 2332.8(1"); 2376.9(1"). | 1.5 | 2315.0-2316.5 | .005 | .39 | 1.46 | | | 30008 | | | | | | |
| | | | 2.0 | 2330.0-2332.0 | Tr. | .18 | 0.33 | | | 30009 | | | | | | |
| 2396.7 | 2404.5 | Intermediate Tuff: Dark, compact, chloritized, fine grained, fairly hard. coarse grained Fes ₂ 2397.8-2401.2 (minor) | | | | | | | | | | | | | | |
| 2404.5 | 2526.7 | Tuff and Breccia: Light med. green, some chlorite considerable sericite alteration, highly sheared (core breaks easily into buttons), siliceous, slightly fragmental, 2404.5-2440.0 darker more highly chloritized, less sericite, 2443.0-2473.0 mostly sheared into buttons with more sericite and talc alteration. Cufes ₂ : 2457.0-2457.6 (with Qtz.) 2477.1(1/2"); 2477.8(1/8"). Fes ₂ -Cufes ₂ : 2485.8(1/8"); 2505.3-2506.5 20%. Fes ₂ (only): 2508.2(1/8"); 2512.7(1/2"). Diorite Dikes: 2474.7-2476.6; 2513.1-2514.0 Qtz. Carb. 2425.6(1"); 2432.1-2432.8 80%; 2436.4-2437.8 | 2.5 | 2455.5-2458.0 | .005 | .29 | 1.90 | | | 30077 | | | | | | |
| | | | 1.5 | 2505.0-2506.5 | .01 | 1.10 | 1.20 | | | 30078 | | | | | | |

Hole enters Manitou Barvue ground at 2465.0'

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -80°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 126

Completed _____

Dep. _____

Elev _____

Sheet No. (8)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|--------|---|--------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| | | 90%; 2476.8(1"); 2490.5(1"). | | | | | | | | | | | | | | | |
| 2526.7 | 2578.9 | Tuff and Breccia: light med. green, turning darker more chloritic in latter half of section. Harder more siliceous than above, less sericite alteration, shearing normal to slightly compact, lightly carbonated, fragmental. Qtz. Carb. 2538.2($\frac{1}{2}$ "); 2552.3($\frac{1}{2}$ "); 2570.3-2572.0 70%. 2574.7-2577.3 25%. Diorite Dike: 2573.2(4"). | | | | | | | | | | | | | | | |
| 2578.9 | 2675.0 | Andesite: Med. green, chloritic med. fine, grained, carbonated, moderately sheared, uniform. Qtz. Carb. 2582.2(3"); 2584.4(1"); 2593.3(1") 2609.4(1"); 2616.8(3"); 2623.0-2629.6 20%; 2639.6-2644.8 60%; 2647.2($\frac{1}{2}$ "); 2649.7(1"); 2654.3-2659.3 10%; 2663.0(2"); 2672.6(1"). Coarse Grained Fes ₂ Crystals: 2623.3-2628.6 2%; 2661.0-2664.5 1-2% finer grained. | 6.2 | 2616.6-2622.8 | Tr. | | | | | | 30211 | | | | | | |
| | | | 6.0 | 2622.8-2628.8 | .01 | .05 | 0.06 | | | | 30212 | | | | | | |
| | | | 5.0 | 2660.0-2665.0 | Tr. | | | | | | 30213 | | | | | | |
| 2675.0 | 2754.1 | Andesite: Dark, chloritic, uniform med. fine grained, 2675.0-2680.0 porphyritic, 2680.0-2702.0 some shearing, finer grained. Tuffaceous Inclusions: 2690.7-2692.5; 2695.1-2697.1; 2737.0-2737.5. Folding: 2696.8. Qtz. Carb. 2688.6-2690.1 70%; 2695.3-2697.0 25%; 2699.4-2700.0 40%; 2718.3-2718.9 50%; 2720.7(1"); 2734.1(1"); 2736.2-2737.5 10%. | | | | | | | | | | | | | | | |
| 2754.1 | 2794.8 | Andesite porphyry: Fairly dark, hard, massive, some fracturing with numerous fractures filled with carbonate. (gradational contacts.) Qtz. Carb. 2779.5(1"). | | | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -30°

Started _____

Lat. _____

Bearing _____

Hole No. Q.K. # 126

Completed _____

Dep. _____

Elev _____

Sheet No. (9)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|--------|---|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| | | Lost Core: 2771.2-2772.1 | | | | | | | | | | | | | | | |
| 2794.5 | 2830.9 | Andesite: Dark gray green, chloritic, carbonated, uniform, softer than the porphyry, some shearing. Dikelet: 2828.6(1") Qtz. Carb. 2802.1(2"); 2803.0(1"). | | | | | | | | | | | | | | | |
| 2830.9 | 2889.7 | Tuff and Breccia: Gray green, some chlorite, siliceous, fine grained, sheared, fragments, generally vague and sheared out, some carbonate. Andesite Inclusion: 2839.1-2843.9; 2851.1-2854.1 Lost Core: 2840.5-2841.9; 2847.4-2848.3. Qtz. Carb. 2853.3-2854.4 30%; 2855.6-2856.4. | | | | | | | | | | | | | | | |
| 2889.7 | 2913.9 | Andesite: Fairly dark, chloritized, compact to moderately sheared, med. hard, slightly porphyritic in central part of section, carbonated. Qtz. Carb. 2890.5-2904.4 narrow veinlets 5%; 2910.3-2911.6 5%. | | | | | | | | | | | | | | | |
| 2913.9 | 2939.6 | Tuff and Breccia: Predominantly a fine grained carbonated and chloritized tuff locally fragmental with siliceous highly carbonated fragments. Med. soft, sheared. Fes ₂ Crystals: 2917.8 Qtz. Carb. 2916.0-2938.0 Tiny veinlets 1/2" or less; 3-5%. | | | | | | | | | | | | | | | |
| 2939.6 | 3003.8 | Andesite Porphyry: Med. green, some chlorite, fairly hard, massive, quite highly carbonated, varies from fairly coarse to med. fine grained, contains more than average quartz. 2977.7 small blob cufes ₂ in carbonate. Qtz. Carb. 2960.1-2961.6 35%; 2977.8-2979.6 25%; 2986.8(1"); 2989.0(1/2"); 3003.6(1/2"). | | | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -80°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 126

Completed _____

Dep. _____

Elev _____

Sheet No. (10)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | |
|-------------------|--------|--|---------------------|---------|-------------|-------------------|------|------|------|------------|-----------|----|----|--|------|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | |
| 3003.8 | 3059.5 | Tuff: Gray to greenish gray, some chlorite, fine grained, some shearing, softer than above but harder than average tuff, scattered knots and fracture filling veinlets of carbonate. | 1548.4-1556.0= 7.6@ | | | | | | | | | | | | |
| | | | 1586.5-1602.9=16.4@ | | | | | | | | | | | | |
| | | Qtz. Carb. 3040.6(1"); 3042.3-3045.8 60%. | | | | | | | | | | | | | |
| 3059.5 | 3235.0 | Andesite: Med. dark green to gray green, depending on amount of carbonate, chloritized but generally quite hard, massive, med. grained uniform texture, sectionally highly carbonated with some carbonate throughout, very little fracturing | | | | | | | | | | | | | |
| | | Diorite Dike: 3142.6-3144.8 | | | | | | | | | | | | | |
| | | Qtz. Carb. 3064.8(3"); 3100.7-3105.7 20%; 3138.8-3142.3 15%; 3145.9(2"); 3159.1(2"); 3164.0-3164.7 50%; 3166.4(2"); 3181.4(1"); 3207.4(1"); 3214.2(2"); 3220.8-3221.6 50%; Remainder narrow stringers 1/2" or less 2%. | | | | | | | | | | | | | |
| | | | | FOOTAGE | READING | CORRECTED READING | | | | | | | | | DIP |
| | | | | 200' | S 6° 30' W | S 7° E | | | | | | | | | -76° |
| | | | | 400' | S 6° -E | S 7° 30' E | | | | | | | | | -73° |
| | | | | 600' | S 9° -E | S 22° 30' E | | | | | | | | | -60° |
| | | | | 800' | S 18° -E | S 31° 30' E | | | | | | | | | -50° |
| | | | | 1000' | S 18° -E | S 31° 30' E | | | | | | | | | -45° |
| | | | | 1200' | S 19° -E | S 32° 30' E | | | | | | | | | -38° |
| | | | | 1400' | S 16° -E | S 29° 30' E | | | | | | | | | -33° |
| | | | | 1600' | S 13° -E | S 26° 30' E | | | | | | | | | -27° |
| | | | | 1800' | S 11° 30' E | S 25° -E | | | | | | | | | -22° |
| | | | | 2000' | S 10° -E | S 23° 30' E | | | | | | | | | -20° |
| | | | | 2200' | S 10° 30' E | S 24° 0' E | | | | | | | | | -18° |
| | | | | 2400' | S 9° 30' E | S 23° 0' E | | | | | | | | | -18° |
| | | | | 2600' | S 11° 30' E | S 25° 0' E | | | | | | | | | -16° |
| | | | | 2800' | S 9° 0' E | S 22° 30' E | | | | | | | | | -16° |
| | | | | 3000' | S 3° 30' E | S 17° 0' E | | | | | | | | | -17° |
| | | | | 3200' | S 1° 0' E | S 14° 30' E | | | | | | | | | -19° |
| | | 3235.0 END OF HOLE. | | | | | | | | | | | | | |

D.D. H. Q.M. # 126
TROPARI COMPASS TESTS

QUEBEC MANITOU MINES LIMITED
MANITOU-BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -55°
 $50^{\circ} 00' @ 200'$
 $46^{\circ} 50' @ 400'$
 $42^{\circ} 45' @ 600'$

Started FEB. 10, 1967

Lat. 15,509

Bearing S 5° E

Hole No. Q.M. # 128

Completed Feb. 16, 1967

Dep. 27,109

Elev

Sheet No. (1)

| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | |
|---------|-------|---|---------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|
| FROM | TO | | | | | | | | | | PB | ZN | CU |
| 0.0 | 38.0 | Casing | | | | | | | | | | | |
| 38.0 | 125.0 | <u>Tuff and Breccia:</u> Med. to dark green, well chloritized, varies from soft to med. depending on amount of siliceous fragments. Mostly Med. grained with normal shearing. Light carbonate flecking stops around 98.0 Fes ₂ with very minor or no Cufes ₂ : 56.8-58.5 4% 102.4-103.4 10%; 117.2; 124.9($\frac{1}{4}$ " Qtz. Carb. 51.6-52.1 80%; 80.8-114.0 small threads and veinlets under $\frac{1}{4}$ " 3-5% | | | | | | | | | | | |
| 125.0 | 188.5 | <u>Tuff and Breccia:</u> Very similar to above section. possibly a little less chloritic in general with local well sericitized inclusions, 175.0-188.5 harder more siliceous, more brecciation. Fes ₂ -Cufes ₂ : 136.8-137.8 (Small Threads); 145.2-145.9 (Minor); 171.3($\frac{1}{4}$ " and veinlets $\frac{1}{4}$ " or less; 187.7-188.5 (Very Minor) Fes ₂ Only: 126.6($\frac{1}{8}$ " 181.6($\frac{1}{4}$ " Qtz. Carb. 134.0($\frac{1}{2}$ " 30%. | 1.0 | 145.0-146.0 | .005 | .13 | 1.03 | | | 29479 | | | |
| | | | 2.1 | 172.2-174.3 | .005 | .04 | 0.19 | | | 29480 | | | |
| | | | 1.7 | 174.3-176.0 | .005 | .19 | 0.88 | | | 29481 | | | |
| | | | 5.5 | 176.0-181.5 | TR | TR | 0.15 | | | 29482 | | | |
| | | | 6.2 | 181.5-187.7 | .005 | .03 | 0.18 | | | 29483 | | | |
| 188.5 | 274.8 | <u>Tuff and Breccia:</u> Light med. green to gray green, some chlorite more highly sericitized than above, fine grained, sheared, local silicified inclusions but predominantly fairly soft. Fes ₂ -Cufes ₂ : 190.8-192.6 (Minor) Fes ₂ Only: 190.2($\frac{1}{4}$ " 1-2%; 248.3-267.1 disseminated larger crystals 2% Diorite Dike: 235.3-237.5; 238.7(2"). Qtz. Carb. 192.0($\frac{1}{2}$ " 227.9-265.5 | 4.9 | 187.7-192.6 | .005 | .11 | 0.40 | | | 29484 | | | |

QUEBEC MANITOU MINES LIMITED
MANITOU-BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -60°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 129

Completed _____

Dep. _____

Elev _____

Sheet No. (2)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | |
|-------------------|--------------|--|--------------------|--------------------|-------------|------------|-------------|------|------|------------|--------------|----|----|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | |
| FROM | TO | | | | | | | | | | PB | ZN | CU | | | |
| | | Fes₂ : 209.0; 225.2 Minor Qts. Carb. Small threads 2%. | | | | | | | | | | | | | | |
| 238.6 | 289.1 | <u>Tuff and Breccia:</u> Fairly dark, chloritised, some shearing sectionally fragmental but predominantly a tuff. | 3.8 | 256.2-260.0 | TR | .06 | 0.25 | | | | 29700 | | | | | |
| | | 256.2-260.0 Coarse grained Fes₂ with minor Cufes₂. Fes₂ Veinlets: 285.0-288.5 ½" or less. Diorite Dikes: 252.7(1"); 263.4-268.4 Qts. Carb. 252.5(1"); 266.0(1"); 273.8-274.5 75%; 283.7(1"); 285.0(½"). | | | | | | | | | | | | | | |
| 289.1 | 361.3 | <u>Tuff:</u> Fairly compact, fine grained, chloritic, soft to med. soft, some sericite, uniform. Cufes₂: 255.5. Scattered very sparse crystals and veinlets. Fes₂: 1-2% Qts. Carb. 302.3(½"); 308.4(2"); 353.4(½") 353.6(½"). | | | | | | | | | | | | | | |
| 361.3 | 416.4 | <u>Tuff and Breccia:</u> Med. dark green, chloritised, considerable shearing, slightly harder than above due to sheared out siliceous fragments. 371.1-373.0 Disseminated Fes₂ 5%. | | | | | | | | | | | | | | |
| 416.4 | 422.0 | Qts. Carb. 60%. Remainder highly chloritized tuff Fes₂-Cufes₂: 418.7; 421.7. | | | | | | | | | | | | | | |
| 422.0 | 511.3 | <u>Tuff and Breccia:</u> Med. Green, chloritic, siliceous normal shearing or slightly compact, med. grained Fes₂-Cufes₂ Veinlets: 425.0; 426.4-427.7 432.1; 435.9; 447.1; 472.9; 477.9+479.4; 482.7. Qts. Carb. 500.4-507.8 Narrow veinlets | 4.9 | 427.2-432.1 | TR | .12 | 0.58 | | | | 29709 | | | | | |
| | | | 5.6 | 477.2-482.8 | .005 | .05 | 0.15 | | | | 29710 | | | | | |
| 511.3 | 604.7 | <u>Tuff and Breccia:</u> Similar to above but finer grained, more highly sheared, a little more sericite alteration, fragments sheared out | 1.4 | 518.6-520.0 | .005 | .08 | 0.50 | | | | 29711 | | | | | |

DIAMOND DRILL LOG

-57° 45' @ 200'
-42° 00' @ 400'
-36° 30' @ 600'
-31° 00' @ 800'
Dips -75°
-26° 00' @ 1000'
-21° 00' @ 1200'
-19° 00' @ 1400'
-18° 00' @ 1600'

Started FEB. 28, 1967

Lat. 15,842

Bearing S 5° E

Hole No. Q.M. # 130

Completed MARCH 31, 1967

Dep. 26,980

Elev

Sheet No. (1)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|-------|---|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| 0.0 | 33.0 | Casing | | | | | | | | | | | | |
| 33.0 | 197.3 | <u>Tuff and Breccia</u> : Med. Green, Chloritic, Sericite varies considerably, med. fine grained, hard, siliceous, fairly well sheared, numerous small Qtz. eyes, 151.4-175.0 pale pink staining in sericite along shear planes. Diorite Dike: 105.4-109.7. Qtz. Carb. 91.9-117.9 20%; 166.6(1"). | | | | | | | | | | | | |
| 197.3 | 274.8 | <u>Tuff and Breccia</u> : Light to med. green or gray green, chloritized, sectionally well sericitized, considerably sheared, schisted, fine grained, less fragmental than above and fragments are vague sheared out. No sulphide. Min. Diorite Dike: 231.8(2"); 271.3(1"). Qtz. Carb. 197.5-198.3 90%; 201.5(1/2"); 224.1 (Narrow Veinlets 10%) 228.1-229.5 50%; 245.7-264.7 Narrow veinlets 10-15%; 271.0-273.7 Narrow veinlets 10%. Lost Core: 233.4-235.0; 240.0-241.3; 242.1-242.9; 244.4-245.0; 265.8-266.9. | | | | | | | | | | | | |
| 274.8 | 380.4 | <u>Tuff and Breccia</u> : Med. green, chloritic, fragmental; siliceous, sheared, some sericite alteration, bagged texture, some pink or purple iron staining in fragments and in sericite along shear planes, No sulphide Min. Qtz. Carb. 314.3(1"); 318.5(2 1/2"); 352.7(1/2"). | | | | | | | | | | | | |
| 380.4 | 390.5 | <u>Tuff and Breccia</u> : (Predominantly Tuff) Med. dark green, chloritized, softer, sheared, less siliceous, more uniform, some carbonate, no Min. Diorite Dike: 388.1-389.7 Qtz. Carb. 388.0(1 1/2"). | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips _____

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 130

Completed _____

Dep. _____

Elev _____

Sheet No. (2)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|-------|--|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| 390.5 | 437.9 | <u>Andesite Porphyry:</u> Mod. green, hard, massive, some fracturing minor epidote. Qtz. Carb. 394.4-403.7 fracture filling veinlets 5%. 408.8-409.2 75%; 413.6(1"). | | | | | | | | | | | | |
| 437.9 | 453.1 | <u>Andesite:</u> Fairly dark, well chloritized, softer than above, some shearing, 440.5-441.3 Sericitized, very light carbonate flecking. May be some inclusions of tuff. Qtz. Carb. 438.1-443.1 15-20%; 444.7-447.5 5%; 449.5-452.4 10%. | | | | | | | | | | | | |
| 453.1 | 491.7 | <u>Andesite:</u> Med. Green, chloritic, spotted with carbonate and epidote, med. hard, moderately sheared. Qtz. Carb. Numerous splashes and veinlets 10%. | | | | | | | | | | | | |
| 491.7 | 531.5 | <u>Andesite:</u> Med. green, hard, massive, uniform texture, minor carbonate. 521.8-527.3 fine grained tuffaceous. Fes ₂ -Cufes ₂ : 525.4-526.7 (Small Splashes in Qtz.) Qtz. Carb. 492.1-494.0 10%; 497.7-506.4 70%; 509.5(1"); 514.0-518.0 30%; 525.0-526.6 70%; 527.4(1"); 529.4(1/2"). | 2.2 | 525.0-527.2 | .005 | .13 | 0.36 | | | 29860 | | | | |
| 531.5 | 579.5 | <u>Andesite Porphyry:</u> Mod. gree, fine grained, hard, sectionally broken, minor shearing. tuffaceous inclusion: 547.2-548.8, Tuff and Breccia: 555.4-559.6 Minor Fes ₂ -Cufes ₂ : 547.9-548.8 Qtz. Carb. 545.6(3"). | 1.6 | 547.2-548.8 | Tr | .02 | 0.28 | | | 29861 | | | | |
| 579.5 | 590.2 | <u>Andesite:</u> Same as above but very few feldspar phenocrysts. Minor Shearing. Qtz. Carb. 579.5-580.8 30%; 584.5(1"); 585.6(1/2"). | | | | | | | | | | | | |
| 590.2 | 597.6 | Diorite Dike: Soft, sheared, highly altered. (Contact Phase of Andesite?) | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips _____

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 130

Completed _____

Dep. _____

Elev _____

Sheet No. (3)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|-------|---|--------------------|---|--------------------|-------------------|----------------------|------|------|------------|-------------------------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| | | Qtz. Carb. Stringers up to 2" 10%. | | | | | | | | | | | | | | | |
| 597.6 | 612.1 | <u>Intermediate Tuff:</u> Dark, Well Chloritized, soft, sheared but compact. Leached: 610.6-611.4 Fes ₂ -Cufes ₂ : 605.4; 606.1; 607.8; 610.5-612.0. Qtz. Carb. 607.8(1"). 610.6-611.9 25%. | 6.8 | 605.3-612.1 | .005 | .11 | 0.75 | | | | 29862 | | | | | | |
| 612.1 | 627.7 | <u>Tuff and Breccia:</u> Med. green chloritic, more siliceous than above, moderately sheared, considerable carbonate (Numerous carbonate Phenocrysts). | | | | | | | | | | | | | | | |
| 627.7 | 682.4 | <u>Intermediate Tuff:</u> Dark gray green, well chloritized, some sericite, med. soft, sheared. Tiny Splashes Fes ₂ -Cufes ₂ : 673.3 Sludge Only: 642.6-644.5 Qtz. Carb. 673.4(1"); 673.8; 682.0(1/2"). | | | | | | | | | | | | | | | |
| 682.4 | 733.0 | <u>Tuff and Breccia:</u> Med. green, chloritized, fine grained, siliceous, harder than above, sheared, slightly sericitized. Fes ₂ -Minor Cufes ₂ : 686.0(1/2"); 706.6(1"); 724.7(1/2"). 731.0(1"). Diorite Dikes: 688.0-686.0; 716.5-718.4. Qtz. Carb. 694.0-694.6 80%; 716.1-717.2 30%; 722.7-723.4 70%. | | | | | | | | | | | | | | | |
| 733.0 | 784.3 | <u>Intermediate Tuff:</u> Dark, max highly chloritized, soft compact uniform texture. Fes ₂ -Minor Cufes ₂ : 733.2-735.5 Narrow Stringers 30%; 738.4-740.3 Small threads 2-3%. 760.6-769.6 Small Threads more Cufes ₂ . Diorite Dikes: 754.7-757.7 Qtz. Carb. 740.4-741.0 70%. | 6.0 4.8 6.2 | 724.7-730.7 730.7-735.5 735.5-741.7 | .005 .005 Tr | .05 .15 .02 | 0.23 0.60 0.11 | | | | 29863 29864 29865 | | | | | | |
| 784.3 | 825.0 | <u>Tuff and Breccia:</u> Med. dark green, chloritic, fine | 5.0 5.0 | 760.0-765.0 765.0-770.0 | Tr .005 | .04 Tr | 0.11 0.40 | | | | 29866 29867 | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips _____

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 130

Completed _____

Dep. _____

Elev _____

Sheet No. (4)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | |
|-------------------|--------|--|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU |
| | | grained, harder, more siliceous than above, | 5.0 | 785.0-790.0 | .005 | Tr | 0.40 | | | 29868 | | | |
| | | normal shearing, fragments very sparse | 5.5 | 790.0-795.5 | Tr | .06 | 0.06 | | | 29869 | | | |
| | | and vague. | 4.5 | 795.5-800.0 | Tr | .02 | 0.95 | | | 29870 | | | |
| | | Fes ₂ -Gufes ₂ occurring in veinlets from 1/4" | 5.0 | 800.0-805.0 | .01 | .13 | 2.16 | | | 29871 | | | |
| | | to 2" from 785.0-823.3 heaviest mineralization | 5.0 | 805.0-810.0 | .005 | .07 | 0.95 | | | 29872 | | | |
| | | from 795.5-810.0 10% sulphides. | 5.0 | 810.0-815.0 | Tr | .02 | 0.09 | | | 29873 | | | |
| | | Qtz. Carb. 795.7(1"); 798.5(2"); 800.8(1/2"); 809.5(1"); | 5.0 | 815.0-820.0 | Tr | .02 | 0.13 | | | 29874 | | | |
| | | 819.7(3"). | 5.0 | 820.0-825.0 | Tr | .02 | 0.09 | | | 29875 | | | |
| 825.0 | 922.2 | <u>Tuff and Breccia:</u> Very similar to above, appears | 6.9 | 825.0-831.9 | .01 | .23 | 1.18 | | | 29877 | | | |
| | | softer with more tuff, sheared quite highly | 5.3 | 831.9-837.2 | .005 | .07 | 0.20 | | | 29878 | | | |
| | | chloritized, med. fine grained. No distinct fragments | 2.8 | 837.2-840.0 | Tr | Tr | 0.08 | | | 29879 | | | |
| | | | 1.9 | 840.0-841.9 | .01 | .21 | 1.15 | | | 29880 | | | |
| | | Fes ₂ -Gufes ₂ : 825.3-846.3 Stringers ranging | 4.6 | 841.9-846.5 | Tr | .04 | 0.23 | | | 29881 | | | |
| | | from 1/8" up to 1 1/2" 5%. Massive Fes ₂ -Gufes ₂ : | | | | | | | | | | | |
| | | 830.2-830.7; 831.4-831.9. | | | | | | | | | | | |
| | | 872.8(1"); 887.4(2"); 894.1(1"); 898.9(1"); 901.0(1/2"). | | | | | | | | | | | |
| | | 903.6-914.1 Stringers ranging from 1/2 to 2" 10%; | 4.9 | 898.7-903.6 | Tr | Tr | 0.13 | | | 29882 | | | |
| | | 921.6(1"). | 5.1 | 903.6-908.7 | .01 | .36 | 1.95 | | | 29883 | | | |
| | | Qtz. Carb. 826.5-827.1 90%; 833.7(1/2"); 848.2(1"); | 2.1 | 908.7-910.8 | .005 | .29 | 1.28 | | | 29884 | | | |
| | | 868.4(4"); 906.4-908.7 50%; 916.5(1"); 922.1(1"). | 4.2 | 910.8-915.0 | .005 | Tr | 0.13 | | | 29885 | | | |
| | | Lost Core: 891.0-894.1 | | | | | | | | | | | |
| 924.6 | 997.9 | <u>Tuff and Breccia:</u> Light med. green, some chlorite, serici- | 1.7 | 959.4-961.1 | .005 | .09 | 0.39 | | | 29893 | | | |
| | | tized, more siliceous than above, a highly sheared | | | | | | | | | | | |
| | | (Sectionally in buttons) | | | | | | | | | | | |
| | | Fes ₂ -Gufes ₂ : 931.6-932.5 5% (In threads); 960.0- | 2.4 | 972.6-975.0 | .01 | .25 | 2.17 | | | 29894 | | | |
| | | 960.3; 972.2(1"); 973.3(1/2"). | | | | | | | | | | | |
| | | Small Threads Zns. Fes ₂ : 980.4-997.7 | | | | | | | | | | | |
| 997.9 | 1098.5 | <u>Tuff and Breccia:</u> (Altered to Chlorite-Sericite Schist). | | | | | | | | | | | |
| | | gray green, siliceous, fine grained, softer | | | | | | | | | | | |
| | | than above. | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. #130

Completed _____

Dep. _____

Elev _____

Sheet No. (5)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|--------|---|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| | | Disseminated and narrow veinlets Fes_2 less than 2%. | | | | | | | | | | | | |
| | | Threads Zns. at 1041.3; 1043.9; 1076.9. | | | | | | | | | | | | |
| | | Diorite Dikes: 1013.4-1018.0 | | | | | | | | | | | | |
| | | Qtz. Carb. 1008.0(2"); 1026.3($\frac{1}{2}$ "); 1036.6-1037.8 20%; | | | | | | | | | | | | |
| | | 1039.0($\frac{1}{2}$ "); 1052.2(3"); 1082.0 (1"); 1093.8(1"). | | | | | | | | | | | | |
| | | Lost Core: 1002.7-1006.3. | | | | | | | | | | | | |
| 1098.5 | 1133.7 | Diorite Dike: Qtz. Carb. 1109.2-1110.8 50%; 1112.9(1"); | | | | | | | | | | | | |
| | | 1117.7-1119.7 40%; 1121.2(1"); 1122.5(2"); 1129.0- | | | | | | | | | | | | |
| | | 1130.8 90%. | | | | | | | | | | | | |
| 1133.7 | 1265.3 | Tuff and Breccia: (Chlorite-Sericite Schist) Dull gray green | | | | | | | | | | | | |
| | | quite highly sheared, siliceous but fairly soft due | | | | | | | | | | | | |
| | | to alteration. | | | | | | | | | | | | |
| | | Tiny threads Zns: 1211.0-1245.7 (very sparse). | | | | | | | | | | | | |
| | | Cufes ₂ 1244.5($\frac{1}{4}$ "). | | | | | | | | | | | | |
| | | Folding: 1183.1; 1205.4; 1239.4. | | | | | | | | | | | | |
| | | Qtz. Carb. 1151.8(1"); 1164.7-1165.5 90%; 1206.8(2"); | | | | | | | | | | | | |
| | | 1239.2(1"); 1264.4(1"). | | | | | | | | | | | | |
| | | Lost Core: 1166.3-1168.1; 1170.5-1172.7; 1177.7-1179.1; | | | | | | | | | | | | |
| | | 1231.6-1233.2; 1247.9-1249.1; 1252.5-1253.5. | | | | | | | | | | | | |
| 1265.3 | 1316.1 | Diorite Dike: Qtz. Carb. Narrow stringers 3-5% | | | | | | | | | | | | |
| 1316.1 | 1351.5 | Tuff and Breccia: Med. to med. gray green, chloritic, | | | | | | | | | | | | |
| | | Siliceous, highly sheared, sectionally altered | | | | | | | | | | | | |
| | | to chlorite sericite schist. | | | | | | | | | | | | |
| | | Qtz. Carb. 1316.4(2"); 1318.0(1"); 1380.0-1336.9 20%. | | | | | | | | | | | | |
| | | 1339.0(1"); 1340.1-1340.8; 1348.2-1349.6. | | | | | | | | | | | | |
| 1351.5 | 1382.9 | Diorite Dike: Some shearing and sericite alteration. | | | | | | | | | | | | |
| | | a few large pyrite crystals ranging up to $\frac{1}{4}$ ". | | | | | | | | | | | | |
| | | Qtz. Carb. 1352.0(1"); 1369.6-1370.3 80%. | | | | | | | | | | | | |
| 1382.9 | 1429.8 | Tuff and Breccia: Light med. green, some Chlorite and | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips _____

Started _____

Lat. _____

Bearing _____

Hole No. _____

Q.M. # 130

Completed _____

Dep. _____

Elev _____

Sheet No. _____

(6)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|--------|---|----------------------|---------------|------------------------------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| | | Sericite, lightly carbonated, siliceous, highly sheared more fragmental than previous section of tuff and breccia. Lost Core: 1423.7-1426.0 | | | | | | | | | | | | | | | |
| 1429.8 | 1445.5 | Diorite Dike: Dark, hard, very massive, carbonated, fine grained, inclusions of chlorite-sericite schist 1430.7-1435.9; 1441.6-1442.3 Lost Core: 1434.0-1435.9 | | | | | | | | | | | | | | | |
| 1445.5 | 1507.3 | Tuff and Breccia: Med. green, chloritic, hard, siliceous, fragmental, sheared, flecked with carbonate. Fes ₂ -Cufes ₂ : 1448.4(2 1/2") (Coarse grained) Coarse Fes ₂ only: 1500.5(2") Diorite Dikes: 1454.5-1455.0; 1455.8-1456.2 | 1.6 | 1448.4-1450.0 | Tr | .04 | 0.45 | | | | 30120 | | | | | | |
| | | | 1.5 | 1500.0-1501.5 | Tr | .02 | 0.05 | | | | 30121 | | | | | | |
| 1507.3 | 1535.9 | Diorite Dike: Dark gray, hard, massive, coarse grained Fes ₂ : 1513.0 (a few crystals). fracture filling Cufes ₂ veinlets: 1521.9(1/2") (with Qtz.) Qtz. Carb. 1511.0-1516.1 10%; 1521.8(1/2"); 1526.2-1533.2 Narrow veinlets 5-10%. | | | | | | | | | | | | | | | |
| | | | | | <u>TROPARI COMPASS TESTS</u> | | | | | | | | | | | | |
| | | | | | S 22° 0' E @ 400' | | | | | | | | | | | | |
| | | | | | S 23° 30' E @ 800' | | | | | | | | | | | | |
| | | | | | S 25° 30' E @ 1200' | | | | | | | | | | | | |
| | | | | | S 22° 30' E @ 1400' | | | | | | | | | | | | |
| | | | | | S 22° 30' E @ 1600' | | | | | | | | | | | | |
| 1535.9 | 1585.5 | Tuff and Breccia: Med. green, chloritic, siliceous, quite fragmental, cherty at start of section and becoming gradually softer more highly altered and schisted, sheared, some carbonate chiefly with cherty section. Qtz. Carb. 1536.7(1"). | | | | | | | | | | | | | | | |
| 1585.5 | 1695.5 | Tuff and Breccia: Very similar to above, sheared, some chlorite, sericitized, specks and large blebs of carbonate, siliceous. Minor Fes ₂ : 1616.9(1/2"). Qtz. Carb. 1603.2(1"); 1605.5(1"); 1677.1(1"); 1679.2(1"); Diorite Dikes: 1648.3-1649.1; 1658.0-1659.5. | 795.5-810.0 = 14.5@ | | .005 | .07 | 1.37 | | | | | | | | | | |
| | | | 795.5-831.9 = 36.4 @ | | .004 | .08 | 0.81 | | | | | | | | | | |
| | | | 903.6-910.8 = 7.2 @ | | .008 | .34 | 1.75 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 1695.5 End of Hole | | | | | | | | | | | | | | | |

44° 45' A 200'
 37° 45' @ 400'
 34° 00' @ 600'
 28° 15' @ 800'
 23° 00' @ 1000'

QUEBEC MANITOU MINES LIMITED
 MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started April 19, 1967 Lat. 15,750 Bearing S 5° E Hole No. Q.M. # 131
 Completed April 25, 1967 Dep. 29943 Elev Sheet No. (1)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|-------|---|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| 0.0 | 14.0 | Casing | | | | | | | | | | | | |
| 14.0 | 55.6 | Diorite: Highly altered, sheared, fairly soft, fine grained, chloritized, vague green layered flecking. Andesite Inclusion: 49.0-49.8 Qtz. Carb. Narrow stringers ranging up to 1/2" about 3%. | | | | | | | | | | | | |
| 55.6 | 133.6 | Andesite: Med. green, some chlorite, moderately sheared, highly epidotized, sectionally porphyritic with fine grained feldspar. Qtz. Carb. 79.7(1"); 84.8-85.8 90%; 90.4(2"); 98.5(2"); 105.1-109.8 narrow stringers 10%; 118.2(1"). Other narrow veinlets 1/2" or less 1-2%. Red Fe 203 staining: 98.5-118.4 | | | | | | | | | | | | |
| 133.6 | 167.6 | Andesite Porphyry: Hard massive coarse grained with feldspar phenocrysts ranging up to 1/4"; epidotized, a little carbonate. | | | | | | | | | | | | |
| 167.6 | 182.3 | Andesite: Med. green, hard, fine grained, moderately sheared, short porphyritic inclusions, sparse small round blob of epidote. Red Fe 203 staining: 176.7-177.3 Qtz. Carb. 173.9(1/2"). | | | | | | | | | | | | |
| 182.3 | 246.6 | Tuff and Breccia: Med. green, chloritized, siliceous, sheared, minor sericite fragments very vague and sheared out, fine grained. Qtz. Carb. Numerous stringers ranging up to 1" about 3%. Folding: 212.5; 216.7 | | | | | | | | | | | | |
| 246.6 | 322.6 | Andesite porphyry: Med. green, hard massive, fairly coarse feldspar in a fine grained matrix. | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started _____

Lat. _____

Bearing _____

Hole No. O.M. # 131

Completed _____

Dep. _____

Elev _____

Sheet No. (2)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|-------|---|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| | | Lightly epidotized and carbonated. Qtz. Carb. 248.4-253.6 50%; 257.3-264.8 10%; 272.7-273.7 50%; 280.0-322.3 narrow veinlets less than 1/2" 1-2% | | | | | | | | | | | | |
| 322.6 | 356.8 | <u>Tuff and Breccia:</u> Med. dark green, chloritized fine grained sheared, siliceous, minor sericite, fragments very vague and sheared out. Phorphyritic Andesite Inclusion: 331.2-333.0 Qtz. Carb. 322.6-328.3 40%; 336.0(1"); 343.0-344.1 90%; 351.2-354.7 60%; 356.2(1/2"). | 3.5 | 351.2-354.7 | Tr. | .06 | | | | | 30409 | | | |
| 356.8 | 382.4 | <u>Tuff and Breccia:</u> Light gray, bleached, siliceous, well sheared, sericitized. Few Grains FeS ₂ : 363.0 Folding: 367.4-372.0 Qtz. Carb. 364.8(1"); 369.6(1"); 370.0-370.5; 372.5 -373.0; 375.2-376.0 40%. Lost Core: 373.6-374.6 | 5.0 | 360.0-365.0 | | .005 | .01 | | | | 30410 | | | |
| 382.4 | 566.2 | <u>Tuff and Breccia:</u> Med. gray to fairly dark green, fine grained, chloritized, siliceous, generally well sheared, lightly carbonated, fragments appear larger and more well defined in centre part of section but with no distinct contacts. Qtz. Carb. 395.8(2"); 400.8-401.3 90%; 402.2(1"). 418.2-418.8 75%; 420.9(1"); 428.1(1"); 453.7(1"); 524.3(1"); 526.5(1"); 551.8(4"). Diorite Dike: 401.4-401.8 Lost Core: 402.6-403.9; 407.3-408.4; 410.0-411.1; 444.2-445.5; 453.7-454.7; 520.0-521.0. | | | | | | | | | | | | |
| 566.2 | 582.0 | <u>Tuff and Breccia:</u> Light med. green, hard, siliceous, very fragmental (Large Fragments), normal | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 131

Completed _____

Dep. _____

Elev _____

Sheet No. _____

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | |
|-------------------|-------|---|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | |
| | | shearing | | | | | | | | | | | | | |
| | | Qtz. Carb. 568.1(1/2"); 581.4(1"). | | | | | | | | | | | | | |
| 582.0 | 609.1 | Andesite: Dark, well chloritized, considerable shearing, fine grained, softer than normal lightly carbonated. | | | | | | | | | | | | | |
| | | Qtz. Carb. 584.0-587.4 15%; 593.4-594.1; 601.0(1") 605.3-606.5 25%. | | | | | | | | | | | | | |
| 609.6 | 632.3 | Tuff and Breccia: Gray green, chloritized, some sericite, more siliceous than above, well sheared, Qtz. Carb. 610.0-610.4 40%; 631.4-631.7 50%. | | | | | | | | | | | | | |
| 632.3 | 742.3 | Andesite and Andesite porphyry: Interfingered, andesite is dark chloritized, softer than normal, fine grained with considerable shearing, while the andesite porphyry is more massive, very hard, siliceous, lighter color. Very pale red Fe 203 staining: 716.1-729.1 Few grains or flecks Fes ₂ -Cufes ₂ : 719.2; 727.6; 729.6 very minor. Qtz. Carb. 657.6-658.1 30%; 668.1-670.4 30%; 672.9-673.3; 703.0-706.6 25%; 714.2(1"); 736.7-741.5 50%; | | | | | | | | | | | | | |
| 742.3 | 823.8 | Tuff and Breccia: Fairly dark grayish green, chloritized lightly carbonated, a little sericite, sheared, vague sheared out fragments. | 2.0 | 763.0-765.0 | .005 | .06 | 0.40 | | | | 30448 | | | | |
| | | small flecks and tiny veinlets Fes ₂ -Cufes ₂ : 744.0-794.5. Very sparse. | 2.0 | 770.0-772.0 | .005 | .01 | 0.30 | | | | 30449 | | | | |
| | | Qtz. Carb. 742.5-746.9 10%; narrow stringers in remainder 1" or less 1-2%. | 2.5 | 792.0-794.5 | .005 | .03 | 0.20 | | | | 30450 | | | | |
| 823.8 | 892.2 | Andesite: Dark gray green, some chlorite, carbonated, slightly porphyritic, highly silicified | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 131

Completed _____

Dep. _____

Elev _____

Sheet No. (4)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|--------|--|--------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| | | Inclusions with pale Fe 203 Staining: 826.1-832.8; 864.3-873.3 | 3.5 | 870.0-873.5 | .005 | .03 | | | | | 30515 | | | |
| | | Coarse Fe ₂ O ₃ : 834.2-836.3; 860.8-873.5 very minor | | | | | | | | | | | | |
| | | Qtz. Carb. 844.8(1"); 856.7-858.1 60%; 865.4-866.1 90%; 871.1-872.9 80%; 882.4-883.0 70%; 891.7(4") | | | | | | | | | | | | |
| 892.2 | 1044.7 | <u>Tuff and Breccia:</u> (Altered to chlorite-sericite schist). light to med. gray green, siliceous, normal shearing, local very light bleached inclusions which appear more siliceous. Generally more bleaching and more shearing near end of section | 2.7 | 906.2-908.9 | Tr. | Tr. | | | | | 30516 | | | |
| | | Widely scattered narrow threads (1/4" or less) Fe ₂ O ₃ and Zns. Min. throughout most of section. | 5.0 | 935.0-940.0 | Tr. | Tr. | | | | | 30517 | | | |
| | | Diorite Dikes. 921.9-923.4; 999.0-1000.3 | 5.0 | 940.0-945.0 | Tr. | .02 | | | | | 30518 | | | |
| | | Qtz. Carb. 908.4(3"); 975.1-977.6 90%. Other narrow veinlets 1%. | 2.0 | 965.0-967.0 | Tr. | .04 | | | | | 30519 | | | |
| | | Andesite: Med. green, some chlorite, fairly massive hard, siliceous, minor fracture filling carbonate veinlets. | 4.0 | 989.0-993.0 | Tr. | .06 | | | | | 30520 | | | |
| 1044.7 | 1068.9 | <u>Tuff and Breccia:</u> Light gray, hard, siliceous, fine grained, moderately sheared, some sericite lightly carbonated, possibly thymolite. Diorite Dike: 1075.9-1076.8 | 5.0 | 1010.0-1015.0 | Tr. | .02 | | | | | 30521 | | | |
| 1068.9 | 1095.0 | Andesite: Med. green, some chlorite, fairly massive hard, siliceous, minor fracture filling carbonate veinlets. | 5.0 | 1040.0-1045.0 | .005 | .09 | | | | | 30522 | | | |
| | | <u>Tuff and Breccia:</u> Light gray, hard, siliceous, fine grained, moderately sheared, some sericite lightly carbonated, possibly thymolite. Diorite Dike: 1075.9-1076.8 | | | | | | | | | | | | |
| | | 1095.0 END OF HOLE | | | | | | | | | | | | |

QUEBEC MANITOU MINES LIMITED
MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips **-75°**
-70° 00' @ 200'
-55° 00' @ 400'
-48° 00' @ 600'
-44° 00' @ 800'

Started **April 4, 1967**

Lat. **15,823**

Bearing **S 5° E**

Hole No. **Q.M. # 132**

Completed **April 17, 1967**

Dep. **26,766**

Elev

Sheet No. **(1)**

GEOLOGICAL RECORD

CORE SAMPLE RECORD

| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | |
|---------|-------|--|---------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|
| TO | FROM | | | | | | | | | | PB | ZN | CU |
| 0.0 | 28.0 | Casing. | | | | | | | | | | | |
| 28.0 | 136.7 | <u>Andesite Porphyry:</u> Light med. green, siliceous, hard, massive, some fracturing, number and size of feldspar phenocrysts decreases gradually from collar to end of section. Minor dark red staining along fractures at 118.0-129.8. Qtz. Carb. 79.5-136.7 narrow veinlets 5%. | 5.0 | 118.5-123.5 | .01 | .13 | | | | 30274 | | | |
| 136.7 | 210.0 | <u>Tuff and Breccia:</u> Med. green, minor chlorite, hard siliceous, predominantly fragmental with normal shearing, a few short inclusions of more highly sheared finer grained material. Pink Fe 203 Staining: 160.6-161.8; 172.4-173.0 Qtz. Carb. 136.7-138.6 narrow veinlets 10%; 161.4(2 1/2"); 163.5(1"); 172.2(1/2"). | | | | | | | | | | | |
| 210.0 | 322.6 | <u>Tuff and Breccia:</u> Light med. green as above, less fragmental with smaller fragments gradually decreasing to end of section, normal shearing with short inclusions of softer schisted, more tuffaceous material. very light carbonate flecking. No sulphides. Qtz. Carb. 213.0(1/2"); 235.8(1/4"); 243.4(1"); 249.2(2"). 250.2(1"); 291.4(1"); 294.0-318.8 narrow stringers 1" or less 5%. | | | | | | | | | | | |
| 322.6 | 347.3 | <u>Tuff and Breccia:</u> Light med. to med. green, chloritic, fine grained, very hard, siliceous, speckled with carbonate phenocrysts. Scattered large light colored, slightly sheared out fragments. | | | | | | | | | | | |
| 347.3 | 396.0 | <u>Tuff and Breccia:</u> Similar to above but more shearing with generally finer, highly sheared out fragments little or no carbonate. | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 132

Completed _____

Dep. _____

Elev _____

Sheet No. (2)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|-------|--|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| | | Qtz. Carb. narrow veinlets under 1/2" 1-2% | | | | | | | | | | | | |
| 396.0 | 531.7 | <u>Tuff and Breccia:</u> Light med. green, very hard, siliceous, with coarse fragments, sheared with a little Fe 203 found locally along shear planes Diorite Dikes: 466.9-467.5; 476.4-478.7; 480.6-481.1; 481.4(2); 483.7-484.5; 485.2-485.7; 514.8-515.3. Qtz. Carb. narrow veinlets along shear planes 2-3%. 506.6-509.1 75%; 515.3(1"); 523.7(1"). | | | | | | | | | | | | |
| 531.7 | 549.3 | <u>Tuff:</u> Dark gray green, chloritized, highly carbonated a little sericite, moderately sheared, med. coarse grained, an occasional small siliceous fragments Noted. Qtz. Carb. 531.8-548.6 blob and veinlets 10-15%. | | | | | | | | | | | | |
| 549.3 | 677.0 | <u>Andesite Porphyry:</u> 80% Remainder fine grained siliceous Andesite: porphyry is coarse grained, hard, massive, lightly carbonated with epidote, From 625.8-673.3 Some Fracturing with considerable Qtz. Carb. injected. Tuffaceous Inclusions: 566.6-571.4 (Well Sheared) Qtz. Carb. 550.8-591.4 narrow stringers (Up to 4") 10%; 592.6-597.8 80%; 605.8-622.0 Tiny veinlets 3%; 660.0-675.0 Narrow stringers up to 2" 10-15%. | | | | | | | | | | | | |
| 677.0 | 732.1 | <u>Andesite Porphyry:</u> Med. green, hard, siliceous, finer grained with considerably less feldspar than above fairly massive but with softer highly sheared inclusions E.G. 677.0-685.5; 706.2-712.0 some carbonate and epidote. Fes ₂ -Cufes ₂ : 706.5-707.9(In Qtz.); Qtz. Carb. 677.0-682.5 10%; 684.2(4"); 685.2(1"); 706.5-707.9 50%; 714.6(1"). | 1.5 | 706.4-707.9 | .005 | .07 | 0.68 | | | 30323 | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 132

Completed _____

Dep. _____

Elev _____

Sheet No. (3)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | |
|-------------------|-------|---|--|---|--|---|--|------|---|------------|-----------|----|----|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | |
| 732.1 | 762.0 | <u>Tuff and Breccia:</u> Contact zone with considerable andesite also chloritized, siliceous, rock is mostly quite highly sheared and broken. Minor $Fes_2-Cufes_2$: 745.7; 755.2 Lost Core: 748.8-750.0; 756.9-757.8; 760.0-760.9 Core Recovery around 60%. Qtz. Carb. 740.7(1"); 755.2($\frac{1}{2}$ "). | | | | | | | | | | | | | |
| 762.0 | 791.6 | <u>Tuff and Breccia:</u> Med. green, chloritic lightly sericitized, siliceous, fine grained, sheared but generally compact. Minor $Fes_2-Cufes_2$: 770.6; 781.8; 788.3. Qtz. Carb. 775.4(4"); 784.8(2"). | | | | | | | | | | | | | |
| 791.6 | 882.3 | <u>Tuff and Breccia:</u> Mod. to dark green, well chloritized, highly sheared, fragments very vague and sheared out, sectionally schisted and sericitized, softer and less siliceous than above. $Fes_2-Cufes_2$: 794.2($\frac{1}{2}$ "); 796.5-797.2 (Minor); 805.5(1") 807.5($\frac{1}{4}$ "); 820.0(1"); 822.5($\frac{1}{4}$ "); 822.9($\frac{1}{2}$ "); 844.5(1"); 865.8($\frac{1}{4}$ "); 825.0($\frac{1}{2}$ "); 876.2($\frac{1}{2}$ "); 881.5($\frac{1}{4}$ "). Qtz. Carb. 799.3(2"); 828.8(1"); 836.4-837.1; 851.8- 852.2 80%. Lost Core: 860.4-861.5; 869.0-870.0 | 5.5 3.3 7.9 2.5 7.5 4.5 5.5 10.0 8.1 | 788.3-793.8 793.8-797.1 797.1-805.0 805.0-807.5 807.5-815.0 815.0-819.5 819.5-825.0 825.0-835.0 835.0-843.1 | .005 .005 Tr. Tr. Tr. Tr. .005 Tr. Tr. | .09 .19 .04 .14 .04 .02 .31 .02 .04 | 0.20 0.58 0.09 0.60 0.20 0.08 0.33 0.08 0.10 | | 30351 30352 30353 30354 30355 30356 30357 30358 30359 | | | | | | |
| 882.3 | 990.6 | <u>Tuff and Breccia:</u> Gray green, some chlorite, fine grained siliceous, considerably sheared (Sectionally in buttons) more sericite alteration than above notably along shear planes. $Fes_2-Cufes_2$: Narrow veinlets less than $\frac{1}{2}$ "; 882.6; 902.3; 937.6; 954.3; predominantly Fes_2 . Fes_2 Only: 970.9-973.8 5%; 979.7-990.6 narrow veinlets 1-2%. Diorite Dikes: 953.6-954.0 | 1.9 2.0 8.0 5.0 2.6 5.6 | 843.1-845.0 865.0-867.0 867.0-875.0 875.0-880.0 880.0-882.6 968.4-974.0 | .005 Tr. Tr. Tr. .005 Tr. | .11 .06 .02 .04 .11 .13 | 0.20 0.65 0.13 0.08 0.33 0.13 | | 30360 30361 30362 30363 30364 30365 | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. / 132

Completed _____

Dep. _____

Elev _____

Sheet No. (4)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|--------|--|-----------------------|---------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| | | Small Folds: 893.8; 933.6. | | | | | | | | | | | | | | | |
| | | Qtz. Carb. 884.8-885.3 80%; 940.4(1/2"); 988.6(1/2"). | | | | | | | | | | | | | | | |
| 990.6 | 1064.0 | Tuff and Breccia: Gray green, a little softer and more compact than above, siliceous, very vaguely fragmental, a little chlorite more sericite | 2.4 | 1022.6-1025.0 | .005 | .17 | | | .075 | 30366 | | | | | | | |
| | | than above, becomes gradually more highly chloritized | 3.6 | 1037.0-1040.6 | .005 | .11 | | | 1.20 | 30367 | | | | | | | |
| | | tiny veinlets Fe ₂ 1%. | 4.4 | 1040.6-1045.0 | Tr. | .06 | | | 0.25 | 30368 | | | | | | | |
| | | Small Veinlets Zns. 1010.6-1046.9 very minor. | 2.2 | 1045.0-1047.2 | .005 | .05 | | | 0.60 | 30369 | | | | | | | |
| | | Qtz. Carb. 1018.6(1"); 1020.5-1027.8 narrow stringers 2-3%; 1039.4(1"). | | | | | | | | | | | | | | | |
| | | 1064.0 END OF HOLE | | | | | | | | | | | | | | | |
| | | | 793.8-807.5 = 13.7% | | .001 | 0.09 | 0.30 | | | | | | | | | | |
| | | | 1037.0-1047.2 = 10.2% | | .003 | 0.07 | | | 0.66 | | | | | | | | |
| | | <u>TROPARI COMPASS TESTS.</u> | | | | | | | | | | | | | | | |
| | | S 15° 30' E -70° @ 200' | | | | | | | | | | | | | | | |
| | | S 20° 30' E -55° @ 400' | | | | | | | | | | | | | | | |
| | | S 19° 30' E -48° @ 600' | | | | | | | | | | | | | | | |
| | | S 23° 0' E -44° @ 800' | | | | | | | | | | | | | | | |

QUEBEC MANITOU MINES LIMITED
MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started April 22 1967

Lat. 15,523

Bearing S 5° E

Hole No. Q.M. # 133

46° 15' @ 200'
39° 30' @ 400'
33° 15' @ 600'
29° 00' @ 800'
26° 00' @ 1000'

Completed May 15, 1967

Dep. 24,595

Elev

Sheet No. (1)

GEOLOGICAL RECORD

CORE SAMPLE RECORD

| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | |
|---------|-------|---|---------------|---------|--------|--------|------|------|------|------------|-----------|----|----|
| TO | FROM | | | | | | | | | | PB | ZN | CU |
| 0.0 | 25.0 | Casing | | | | | | | | | | | |
| 25.0 | 70.0 | Tuff and Breccia: Med. dark green, well chloritized, some sericite, quite highly sheared. Qtz. Carb. narrow veinlets 1% Lost Core: 64.6-65.9; 66.6-67.5 | | | | | | | | | | | |
| 70.0 | 103.2 | Andesite and Tuff and Breccia: Gradational generally well sheared, minor carbonate. Qtz. Carb. 77.4-84.6 20%; 88.9(1"); 99.9(1"); narrow veinlets too numerous too log 2-3%. | | | | | | | | | | | |
| 103.2 | 183.3 | Andesite: Gray green, generally some shearing, predominantly fine grained with local small leikdspar phenocrysts. considerably carbonate speckling. May be some inclusions of tuff and breccia. Soft fine grained chloritized tuff: 143.0-165.0 Qtz. Carb. 177.7-178.9 80%; 180.0(3") other narrow threads and veinlets 1-2%. Lost Core: 167.7-169.0 | | | | | | | | | | | |
| 183.3 | 286.8 | Andesite Porphyry: Light to med. gray green, coarse grained carbonated and epidotized 183.3-223.0. Some shearing, broken remainder massive. Considerable Fe 203 staining 209.2-277.0 most intense in centre part of section. Qtz. Carb. 193.7(1#); 198.8(1"); 207.7-208.9 90%; 253.2-253.7 60%. Other narrow threads 1%. | | | | | | | | | | | |
| 286.8 | 321.7 | Andesite: Gradational from above, becomes gradually softer, more highly sheared and more chloritic, short local inclusions. of porphyry with epidote. Qtz. Carb. narrow stringers and veinlets throughout 3-4% | | | | | | | | | | | |
| 321.7 | 387.8 | Tuff and Breccia: Med. green, chloritic, well sheared, fragmental with well defined large fragments. | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. # 133

Completed _____

Dep. _____

Elev _____

Sheet No. (2)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | |
|-------------------|-------|---|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | |
| | | Some carbonate, short inclusions (Usually ground) of Fe 203 staining. | | | | | | | | | | | | | | |
| | | Qtz. Carb. 338.8-341.2 15%; 373.6(4"); 376.0(1"); Lost Core: 335.2-336.4; 374.2-375.0; 383.4-384.0; 386.9-387.6. | | | | | | | | | | | | | | |
| 387.8 | 451.2 | <u>Andesite and Andesite porphyry:</u> Fairly dark, chloritic, well sheared, softer than normal, any phenocrysts are small and usually sparse, lightly carbonated. Qtz. Carb. 401.4(1/2"); 426.8-449.8 5%. Lost Core: 414.1-414.7; 417.7-418.2; 420.4-421.2. | | | | | | | | | | | | | | |
| 451.2 | 485.9 | <u>Tuff and Breccia:</u> (Predominantly tuff) Med. gray green sheared, chloritized, sectionnaly flecked with carbonate, soft. Qtz. Carb. 472.0-472.8 70%; small threads in remainder 1-2%. | | | | | | | | | | | | | | |
| 485.9 | 499.5 | <u>Andesite Porphyry:</u> Med. hard, fine grained, some shearing, altered to chlorite. | | | | | | | | | | | | | | |
| 499.5 | 539.8 | <u>Tuff and Breccia:</u> Chiefly a fairly dark chloritized Tuff, med. soft, fine grained, sheared, a little sericite sparsely mineralized. Fes ₂ -Cufes ₂ (Threads): 516.9-519.5; 526.6; 531.6-534.6; (542.6; 549.2) Qtz. Carb. Narrow Veinlets 1-2%. | 2.6 | 516.9-519.5 | Tr. | Tr. | 0.50 | | | | 30568 | | | | | |
| | | | 3.0 | 531.6-534.6 | .005 | Tr. | 0.10 | | | | 30569 | | | | | |
| 539.8 | 551.0 | <u>Andesite:</u> Med. green, hard, siliceous, some shearing, slightly porphyritic, minor carbonate. a few crystals Fes ₂ -Cufes ₂ : 542.7; 549.2 Qtz. Carb. veinlets 1/2 or less 1-2%. | | | | | | | | | | | | | | |
| 551.0 | 593.8 | <u>Tuff and Breccia:</u> Med. grayish green, some chlorite and sericite, sheared, siliceous but softer than above flecked with carbonate, sectionnaly more andesitic | | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. 133

Completed _____

Dep. _____

Elev _____

Sheet No. (3)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|-------|---|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| | | A few crystals FeS ₂ -CuFeS ₂ : 542.7; 549.2 Qtz. Carb: Veinlets 1/4" or less 1-2% | | | | | | | | | | | | | | | |
| 551.0 | 593.8 | Tuff and Breccia: Med. Grayish green, some chlorite and sericite sheared, siliceous but softer than above flecked with carbonate, sectionally more andesitic in appearance. Threads FeS ₂ -CuFeS ₂ : 576.0; 588.7 Qtz. Carb: 560.9 (1"); 577.5 (2"); 584.5 (1/2"); 588.2-588.8 70%. Other narrow veinlets 1/4" or less 1-2% | | | | | | | | | | | | | | | |
| 593.8 | 680.8 | Andesite and Andesite Porphyry: Grayish green; a little chlorite, sectionally, lightly sericitized, sheared, siliceous but mostly fairly coarse grained, lightly carbonated, harder than above. A few inclusions of chloritized Tuff and Breccia 599.5-610.2; 649.0-655.1; 673.8-677.4; FeS ₂ crystals: 637.4-637.8; 647.3; 653.5-673.2 Very minor, less than 1%. Qtz. Carb: 600.8-605.4 10%; 637.6 (1"); 647.1 (1"); 665.7-666.3 75%; Other tiny veinlets 1%. Lost Core: 676.1-677.2; 678.3-679.6 | | | | | | | | | | | | | | | |
| 680.8 | 708.1 | Andesite Porphyry: Light Med. Green, hard siliceous, moderately sheared, pale pink Fe2O3 staining: 685.5-688.9; 696.6-698.2 | | | | | | | | | | | | | | | |
| 708.1 | 714.3 | Andesite Gradational Phase: Finer grained, more alteration than above, sheared. | | | | | | | | | | | | | | | |
| 714.3 | 752.5 | Tuff and Breccia: Gray green, some chlorite, sericitized, siliceous, sheared, light carbonate flecking, very few distinct fragments Coarse FeS ₂ crystals: 739.5; 740.4 Lost Core: 719.2-720.0 | | | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. 133

Completed _____

Dep. _____

Elev _____

Sheet No. (4)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | | |
|-------------------|--------|---|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | | |
| | | Qtz. Carb: 723.8 (1"); 724.5-725.7; 734.2-734.7 | | | | | | | | | | | | | | | | |
| 752.5 | 858.1 | Tuff and Breccia: Med. Green, chloritic, normal shearing, fragmental. A few inclusions of more Tuffaceous and more highly chloritized rock. | 3.0 | 756.3-759.3 | .005 | .06 | 0.28 | | | | 30630 | | | | | | | |
| | | FeS ₂ with traces CuFeS ₂ : 756.3-759.3; 772.4-803.6 disseminated and narrow veinlets ranging up to 1/4" 5% or less. | 7.6 | 772.4-790.0 | TR | .02 | 0.05 | | | | 30601 | | | | | | | |
| | | FeS ₂ with traces CuFeS ₂ : 756.3-759.3; 772.4-803.6 disseminated and narrow veinlets ranging up to 1/4" 5% or less. | 5.6 | 798.0-803.6 | TR | .02 | 0.13 | | 0.65 | | 30645 | | | | | | | |
| | | FeS ₂ -CuFeS ₂ : 828.0-830.0; 845.7-846.2; 846.7, remainder of section finely disseminated FeS ₂ 1-2% with an occasional trace of CuFeS ₂ . | 3.0 | 825.0-838.0 | TR | .04 | 0.11 | | | | 30632 | | | | | | | |
| | | Diorite Dike: 807.0-808.9 | 2.0 | 828.0-830.0 | TR | .06 | 0.50 | | | | 33 | | | | | | | |
| | | Qtz. Carb: 828.0-830.0; 845.7-846.2; 846.7, remainder of section finely disseminated FeS ₂ 1-2% with an occasional trace of CuFeS ₂ . | 8.2 | 830.0-838.2 | TR | .04 | 0.10 | | | | 34 | | | | | | | |
| | | Diorite Dike: 807.0-808.9 | 1.8 | 838.2-840.0 | .005 | .07 | 0.30 | | | | 35 | | | | | | | |
| | | Qtz. Carb: 753.2 (2"); 768.2-786.8 Narrow stringers 20%; 849.1 (1") | 5.0 | 840.0-845.0 | .005 | .03 | 0.08 | | | | 36 | | | | | | | |
| | | Diorite Dike: 807.0-808.9 | 2.1 | 845.0-847.1 | .005 | .23 | 1.03 | | | | 37 | | | | | | | |
| | | Qtz. Carb: 753.2 (2"); 768.2-786.8 Narrow stringers 20%; 849.1 (1") | 5.0 | 847.1-852.1 | TR | .02 | 0.10 | | | | 38 | | | | | | | |
| 858.1 | 925.0 | Tuff and Breccia: Varies from light to a darker dull gray, some bleaching, siliceous, sheared, sericitized, coarser grained than above. Disseminated and narrow threads and veinlets FeS ₂ less than 5%. A few tiny veinlets. E. 6: 877.5; 907.6 | 7.9 | 852.1-860.0 | TR | TR | 0.06 | | | | 39 | | | | | | | |
| | | Qtz. Carb: Tiny veinlets less than 1% | 5.0 | 860.0-865.0 | TR | TR | 0.05 | | | | 40 | | | | | | | |
| | | Lost Core: 896.6-898.0 | 5.3 | 881.7-887.0 | TR | .04 | 0.05 | | 0.20 | | 41 | | | | | | | |
| | | Tuff and Breccia: Light, bleached, siliceous, sheared sericitized FeS ₂ : Disseminated and narrow stringers 3%. No Zns noted. | 4.6 | 887.0-891.6 | .005 | .03 | 0.05 | | 0.20 | | 42 | | | | | | | |
| | | Diorite Dikes: 953.0-954.0; 955.8-957.5 | 5.0 | 905.0-910.0 | TR | .02 | 0.06 | | 0.65 | | 43 | | | | | | | |
| | | Qtz. Carb: 943.0 (1/2") | 5.0 | 920.0-925.0 | .005 | .08 | 0.05 | | 0.15 | | 44 | | | | | | | |
| 925.0 | 987.2 | Tuff and Breccia: Light, bleached, siliceous, sheared sericitized FeS ₂ : Disseminated and narrow stringers 3%. No Zns noted. | 6.0 | 925.0-931.0 | .005 | .23 | 0.08 | | 0.30 | | 30678 | | | | | | | |
| | | Diorite Dikes: 953.0-954.0; 955.8-957.5 | | | | | | | | | | | | | | | | |
| | | Qtz. Carb: 943.0 (1/2") | | | | | | | | | | | | | | | | |
| 987.2 | 996.6 | Diorite Dike: Dark, chloritized, carbonated. | | | | | | | | | | | | | | | | |
| 996.6 | 1007.5 | Tuff and Breccia: Dark, highly chloritized, soft, sheared, fine grained, predominantly Tuff. | | | | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -50°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. 133

Completed _____

Dep. _____

Elev _____

Sheet No. (5)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | |
|-------------------|--------|---|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | |
| | | Lost Core: 1001.5-1002.7 | | | | | | | | | | | | | | |
| 1007.5 | 1068.9 | Tuff and Breccia: Light gray, green, a little chlorite, hard, siliceous, normal shearing, minor sericite along shear planes, rhyolitic. A few coarse crystals FeS ₂ : 1011.7; 1031.7; 1035.6 Chloritized Dikelet: 1035.1 (3") Qtz. Carb: 1026.4 (1"); 1043.7-1044.1; 1066.8 (1"); Other tiny veinlets 1% | | | | | | | | | | | | | | |
| 1068.9 | 1093.9 | Andesite: Med. Green, some chlorite, siliceous, hard, massive fine grained, locally slightly porphyritic. No Min. Qtz. Carb: 1069.3 (1"); 1091.0 (2"); 1092.2-1093.9 50%. | | | | | | | | | | | | | | |
| 1093.9 | 1100.0 | Tuff and Breccia: Same as sections 1007.5-1068.9. A few carbonated phenocrysts - Feldspar? Qtz. Carb: 1099.7 (3"). | | | | | | | | | | | | | | |
| | | 1100.0 End of Hole. | | | | | | | | | | | | | | |

QUEBEC MANITOU MINES LTD.
MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started May 16, 1967

Lat. _____

Bearing S 62° E

Hole No. Q.M. 134

-62° @ 200'

-52° @ 400'

-45° @ 600'

-56° @ 800'

Completed May 24, 1967

Dep. _____

Elev _____

Sheet No. (1)

GEOLOGICAL RECORD

CORE SAMPLE RECORD

| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
|---------|-------|---|---------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| 0.0 | 8.0 | Casing | | | | | | | | | | | | |
| 8.0 | 95.5 | <u>Andesite:</u> Dark, chloritic, fairly massive, coarse grained, porphyritic, epidotized, becomes gradually finer grained with a little more shearing towards end of section. 69.6-71.6 Sericite schist. Qtz. Carb: Small fracture filling blobs and veinlets 3%. | | | | | | | | | | | | |
| 95.5 | 169.5 | <u>Andesite:</u> Dark, highly chloritized, Med. soft, moderately sheared uniform texture, 107.0-169.5 more shearing, a little sericite, some carbonate flecking possibly tuff and breccia. 160.4 crystals Pbs. in Qtz. (very minor) Qtz. Carb: 111.1 (1"); 125.0 (1"); 160.0-161.0 70%; 163.2 (1"); Other small fractures filling threads and veinlets 1-2 %. | 3.3 | 160.0-163.3 | .005 | .19 | tr | | | 30712 | | | | |
| 169.5 | 193.9 | <u>Tuff & Breccia ?</u> Gray green, some chlorite and sericite, sheared vaguely fragmental. Qtz. Carb: 173.1 (1"); 177.9 (1"); | | | | | | | | | | | | |
| 193.9 | 268.7 | <u>Andesite:</u> Med. to dark green, chloritized, mostly lightly sericitized, moderately sheared, very light carbonate flecking. 234.9-251.3 more siliceous fragmental, same as above Tuff & Breccia. Qtz. Carb: Fracture filling blobs and veinlets throughout section 5-7 %. | 5.0 | 230.0-235.0 | tr | .04 | | | | 13 | | | | |
| | | | 5.0 | 235.0-240.0 | .005 | .05 | | | | 14 | | | | |
| | | | 5.1 | 252.6-257.7 | tr | .02 | | | | 15 | | | | |
| 268.7 | 300.8 | <u>Andesite:</u> Med. green, hard, very fine grained, more massive, spotted with 1/8" dots of epidote. Qtz. Carb: fracture filling threads and veinlets 10%. | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. 134

Completed _____

Dep. _____

Elev _____

Sheet No. (2)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | |
|-------------------|-------|--|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | |
| 300.8 | 342.0 | <u>Andesite:</u> Porphyry: Med. green, hard, massive, epidotized (large blobs), coarser grained than above, some carbonate. Qtz. Carb: Small veinlets 1-2 %. | | | | | | | | | | | | |
| 342.0 | 394.4 | <u>Andesite and Andesite Porphyry:</u> Same as above except for local inclusions of sheared, more highly chloritized material, and sectionally net porphyritic. Massive inclusions are generally fractured with Qtz. and chlorite in the fractures. Qtz. Carb: 374.7-375.4 75%; numerous blobs and veinlets 5% or more. | 4.6 | 373.9-378.5 | .005 | .07 | | | | | 30733 | | | |
| 394.4 | 436.1 | <u>Andesite:</u> Dark, chloritic, fine grained, fairly hard, sheared, core badly broken. 419.2-420.0 Fe ₂ O ₃ staining. Lost Core: 421.0-422.0 Qtz. Carb: Narrow veinlets 1" or less chiefly along shear planes. 1% | | | | | | | | | | | | |
| 436.1 | 472.6 | <u>Tuff and Breccia:</u> Dark, well chloritized, highly sheared, a little sericite, siliceous fragments are very sparse sheared out. Light carbonate speckling. Qtz. Carb: 471.1 (2"); Lost Core: 445.8-447.0; 451.6-453.1; 459.0-460.0; 465.6-466.7; | | | | | | | | | | | | |
| 472.6 | 526.4 | <u>Tuff and Breccia:</u> Gray green, chloritized, Highly sheared, schisted, considerable sericite alteration. Folding: 496.9-498.9 Qtz. Carb: 488.6-494.2 10%; 521.8 (2"); Other narrow veinlets 1/2" or less 1%. | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started _____

Lat. _____

Bearing _____

Hole No. Q.M. 134

Completed _____

Dep. _____

Elev _____

Sheet No. (3)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|-------|--|--------------------|-------------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| | | Lost Core: 507.5-508.5; 511.5-515.3; 521.7-523.0; 528.6-530.0; 543.4-544.5. | | | | | | | | | | | | | | | |
| | | Diorite Dike: 514.9-517.9 | | | | | | | | | | | | | | | |
| 526.4 | 600.0 | <u>Tuff and Breccia</u> : Med. green, chloritic, harder, more siliceous than above, fragmental, speckled with carbonate phenocrysts normal shearing but with a few short fairly massive inclusions | 4.0 | 550.0-554.0 | tr | .04 | | | | | 30740 | | | | | | |
| | | Qtz. Carb: 541.7 (1/2"); 547.5-547.8 30%; 550.4-554.0 50%; 555.4-561.3 5%; 566.2 (2"); Diorite Dike: 533.9-536.6 | | | | | | | | | | | | | | | |
| 600.0 | 641.9 | <u>Tuff and Breccia</u> : Darker more highly chloritized than above, softer, some carbonate, fragments are vague and highly sheared out. | | | | | | | | | | | | | | | |
| | | Qtz. Carb: 601.8 (1/2"); 607.8 (4"); 616.7 (1/2"); 617.7 1 1/2"; other narrow veinlets under 1/2" 2%. | | | | | | | | | | | | | | | |
| 641.9 | 676.4 | <u>Tuff and Breccia</u> : Gray green, some chlorite, carbonated, ragged fragmental, coarser grained texture, siliceous, well sheared. | | | | | | | | | | | | | | | |
| | | Qtz. Carb:; narrow threads 1% | | | | | | | | | | | | | | | |
| 676.4 | 728.5 | <u>Tuff and Breccia</u> : Med. green becoming gradually lighter with less chlorite, some sericite, very fine grained, siliceous, well sheared. | | | | | | | | | | | | | | | |
| | | Qtz. Carb: 676.8 (1/2"); 698.3 1 1/2"; 703.0 (1/2"); 728.3 (1/2"); Lost Core: 718.0-719.3 | | | | | | | | | | | | | | | |
| 728.5 | 763.9 | <u>Tuff and Breccia</u> : Dull gray green, some chlorite, Med. hard, normal shearing, very little sericite, coarser grained, siliceous, well sheared. | | | | | | | | | | | | | | | |
| | | Qtz. Carb: 731.5-731.8 75%; 735.7-736.0 70%; 737.5-739.7 90%; 740.4-741.9 15%; 763.0 (2 1/2"); | 4.0 | 735.7-739.7 | .005 | .07 | | | | | 30741 | | | | | | |
| | | Sparse disseminated FeS ₂ crystals under 1% | | | | | | | | | | | | | | | |

MANITOU BARVUE MINES LIMITED

DIAMOND DRILL LOG

Dips -75°

Started _____

Lat. _____

Bearing _____

Hole No. Q.X. 134

Completed _____

Dep. _____

Elev _____

Sheet No. (4)

| GEOLOGICAL RECORD | | | CORE SAMPLE RECORD | | | | | | | | | | | | | | |
|-------------------|-------|--|--------------------|---------|--------|--------|------|------|------|------------|-----------|----|----|--|--|--|--|
| FOOTAGE | | DESCRIPTION | AVERAGE VALUE | FOOTAGE | OZS AU | OZS AG | % CU | % PB | % ZN | SAMPLE NO. | ESTIMATES | | | | | | |
| TO | FROM | | | | | | | | | | PB | ZN | CU | | | | |
| 763.9 | 778.3 | <u>Tuff and Breccia:</u> Predominantly a light med. green, siliceous fragmental rock, but with small inclusions of darker fine grained chlorite schist. FeS ₂ crystals less than 1% | | | | | | | | | | | | | | | |
| 778.3 | 803.8 | <u>Tuff and Breccia:</u> Similar to above but generally less fragmental and a larger amount of soft chlorite schist, well sheared, generally med. hard, siliceous, some sericite alterations. FeS ₂ crystals 1% Qtz. Carb: 781.0 ($\frac{1}{4}$ ""); 782.4 ($\frac{1}{4}$ ""); 783.8 (1""); 790.8-799.5 small veinlets 3-4 % | | | | | | | | | | | | | | | |
| 803.8 | 828.0 | <u>Tuff and Breccia:</u> (Chlorite-Sericite schist) Dull gray green, soft, highly sheared, fragments completely sheared out. No min. Qtz. Carb: 817.2-818.2 75%; 820.6-823.1 small threads 15% | | | | | | | | | | | | | | | |
| | | 828.0 End of Hole | | | | | | | | | | | | | | | |
| | | <u>Tropari Compass Tests</u> | | | | | | | | | | | | | | | |
| | | S 45° 30' E -62° @ 200' | | | | | | | | | | | | | | | |
| | | S 29° 30' E -47° @ 500' | | | | | | | | | | | | | | | |