

4M-12-53 Dicks

BUCHAN'S MINING CO., LTD.  
DIAMOND DRILL HOLE RECORD

Location Crown Lands-Buchans Junction Area - No. 2 Siding  
Direction Down Dip Vertical  
Started July 13, 1962 Finished June 11, 1963

Buchans Mine COORDINATES - Approximate  
N 2260 E 39,250  
Elevation 1060

Hole No. B.J. 42  
Depth 2478

| General                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DESCRIPTION |      |                | CORE              |            |         |         |       |       |       |       | SLUDGE          |            |         |         |       |       |       |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|----------------|-------------------|------------|---------|---------|-------|-------|-------|-------|-----------------|------------|---------|---------|-------|-------|-------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Section     |      | Core<br>Rec. % | Economic          | Sample No. | Oz. Au. | Oz. Ag. | % Cu. | % Pb. | % Zn. | % Fe. | Sludge<br>Sect. | Sample No. | Oz. Au. | Oz. Ag. | % Cu. | % Pb. | % Zn. | % Fe. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | From        | To   |                |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
| 0-8 Overburden.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |      |                |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
| 8-1004 Rhyolite porphyry.<br>Mottled color, grey-brown, grey, buff<br>& grey-green. About 1% quartz<br>phenocrysts. Erratic banding about<br>75-80° to core. Narrow diabase sills<br>563-565, 572-591, 927-928.5.<br>Fractured throughout, calcite veining.                                                                                                                                                                                                                                                                                                                                                          | 8           | 1001 | 82             | 8-1004 Barren.    |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
| 1004-2439 Dacite tuff. Dark<br>greyish color. Medium to coarse<br>grained quartz & feldspar grains.<br>A few small siliceous lava grains<br>and occasional siliceous lava fragment.<br>Considerable fracturing & calcite<br>veining. Intrusive diabase sills<br>and dykes 1012-1014, 1021-1023,<br>1618-1620, 1699-1700, 1810-1811,<br>1817-1826, 1839-1840.5, 1851-1852,<br>1854-1855, 1880-1896, 2152-2166,<br>2191-2197, 2271-2276, 2280.5-2303.<br>Rhyolite porphyry intrusions<br>1081-1107, 1208-1216, 122-1230,<br>1260-1275, 1313-1333, 1641.5-1727,<br>1797-1817; reddish brown & reddish<br>orange colors. | 1001        | 1080 | 93             | 1004-2439 Barren. |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1080        | 1107 | 64             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1107        | 1207 | 76             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1207        | 1216 | 51             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1216        | 1222 | 43             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1222        | 1228 | 88             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1228        | 1259 | 100            |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1259        | 1279 | 100            |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1279        | 1314 | 100            |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1314        | 1642 | 100            |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1642        | 1730 | 80             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1730        | 1797 | 82             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1797        | 1816 | 71             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1816        | 1878 | 90             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1878        | 1894 | 88             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1894        | 2150 | 64             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2150        | 2167 | 64             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2167        | 2280 | 68             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2280        | 2303 | 87             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2303        | 2378 | 75             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2378        | 2438 | 48             |                   |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |
| 2439-2444 Diabase sill. Fine<br>grained, dark greyish, Minor fracture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2438        | 2448 | 100            | 2439-2444 Barren  |            |         |         |       |       |       |       |                 |            |         |         |       |       |       |       |

SIZE OF CORE  
3" Pipe From 0 To 3  
BX Core From 3 To 20  
AX Core From 20 To 2478  
From      To     

REMARKS  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Examined by E. H. Swanson Engineer

Approved \_\_\_\_\_ Manager