

**Biltion Exploration Canada Ltd.
Diamond Drill Log**

DRILLED BY: Petro Drilling

LOCATION: L0+00 BL0+00 on Millertown Grid

Grid Map Reference: 12A / 15

Claim #: 6375M

Location: UTM NAD 27, Zone 21 533053E, 5405859N (Handheld GPS)

PROPERTY: Millertown

LOGGED BY: Trevor Rice

DATE STARTED: 05/23/00

DATE COMPLETED: 05/26/00

TOTAL Meterage: 291.08 m

AZIMUTH: 314°

Dip of Hole at: Collar -54° → 314° at: 244 m -56° → 316°

FROM	TO	DESCRIPTION
0	7.43m	Overburden
7.43	19.3	Mafic Flow? - Strongly foliated maroon and red-ochre coloured hematized mafic flow. Maroon sections are locally amygdaloidal (Calcite amygdules = 1-3 mm, rounded). Maroon sections can appear as subangular clasts (1-6 cm) and stretched lens within softer red-ochre sections. - Red-ochre sections are strongly foliated with calcite/carbonate veining along foliation planes (30-40° to c.a.). - Thin fault seam at 30° to ca at 13.42 m. - Fine grained mafic dyke at 8.63m – 10.09 m. Upper contacts sharp at 45° to ca and filled with calcite veining. Lower contact nebulous. - Lower contact for interval is sharp at 30° to ca.
19.3	32.61	Bleach Mafic Flow - Light lime green bleached mafic flow. Intermitted with siliceous maroon hematized mafic. - Both sections are amygdaloidal. Amygdules are rounded to oblong shape, calcite filled (size range from 1mm – 10mm). They appear largest in bleached sections. - Calcite/carbonate veining is pervasive. Wormy textured appearance. Often defining foliation at near 45° to ca - There is no complete distinction between maroon and bleached mafics. Both are intermixed. - 31.61 m – 32.31 m. Core is broken. Composed of fine-grained dyke-like mafics. Dyke extends to lower contact of interval. Contact is sharp at 10° to ca.
32.61	159.14	Mafic Flow - Variably hematized non-magnetic mafic flow similar to unit above. Consists of alternating intervals of maroon and ochre-red coloured mafics. Maroon mafics are locally amygdaloidal; amygdules are filled with pinkish calcite. Maroon mafics can be continuous along c.a. and appear as pseudo-clasts wrapped by ochre hematized mafics. Ochre-red mafics are generally more foliated (30 to 45° to c.a.) - Unit cut by numerous fine-grained mafic dykes. Dykes generally contain epidote veinlets. Usually, mafic minerals altered to chlorite. Contacts are both sharp and nebulous. Mafic dykes occur at following intervals: 53.74 -70.72 m-zone of multiple dykes cutting maroon – coloured mafic flow. Possibly related to shear zone at 59.84 m (70° to c.a.) 75.97 – 81.4 m – dyke bounded by thin calcite shear at 65° to c.a. at top. Lower contact sharp at bottom (20° to c.a.) 118.05 – 120.2 m – upper contact siliceous. Lower contact sharp at 45° to c.a. 131.34 – 133.93m - Upper contact along calcite filled shear at 50° to c.a. Minor graphite along shear planes. Down dip sense along plane of shear. 136.36 – 138.56m – dyke bounded by thin calcite filled shear at 45° at top. Lower contact is sharp at 70° to c.a. 148.2 – 150.39m – Upper contact is sharp at 30° to c.a. Lower contact nebulous-inflooding marooned mafic flow. 151.4 - 153.09 m– Upper contact sharp at 20° to c.a. Lower contact at 85° to c.a. - Lower contact for interval is bounded by a mafic dyke. Contact is sheared and calcite filled at 70° to c.a.

Mineralization

- Minor stringer pyrite present. Usually associated with calcite veining / alteration and broken core.

These sections include:

67.7 – 68.0 m blebby pyrite along fracture plane. - < 1%

81.9 – 83.3 m stringer and blebby fg – mg pyrite tr – 1%

70% core recovery. Bit grounded up core. Fault / Sand seam. No sand present.

92.3 – 92.6 m stringer (4mm wide) fine grained pyrite in hematized mafic; pyrite association with calcite veining.

159.14 161.74 Felsic Pyroclastic

- Light olive green felsic pyroclastic.
- Moderately sericitized. Well-developed fabric at 50° to c.a. Locally, sericitized wispy veinlets have appearance of thin altered pumice tubes.
- Quartz phenocrysts present usually < 2mm.
- Other fragments include calcite and hematized clasts (1 – 2 cm oblong shaped). Fragments are usually parallel to fabric.
- Unit is hematized from 159.24 - 160.14
- Lower contact is obscured in 20 cm calcite filled shear zone at 70° to c.a.

161.7 169.18 Pyroclastic

- Sericitized pyroclastic flow like noted above. However fabric at 60° to c.a.
- Lower contact bounded by calcite filled shear at 60° to c.a.

169.15 184.30 Pyroclastic?

- Light green calcite/carbonate flooded pyroclastic? / altered mafic flow?
- Wispy sericitic veinlets define a weak fabric near parallel to c.a.
- Local zones are quartz phyric while others are igneous textured and amygdaloidal.
- Strong hematization from 172.41 – 173.61 and in bottom 4 m of unit.
- Lower contact at 40° to c.a. Calcite filled shear.

184.30 188.5 Felsic pyroclastic

- Weakly hematized pyroclastic unit.
- Well developed fabric at 5-10° to c.a. defined by wispy sericitic veinlets.
- Lower contact defined by 15 cm shear zone at 80° to c.a. Shear is calcite filled and locally graphitic.

185.50 199.13 Mafic Flow

- Maroon and ochre-red hematized mafic flow.
- Locally amygdaloidal; calcite amygdules
- Flooded over 80% with fine grained mafic dyke material
- Lower contact is defined by termination of mafic dyke at 40° to c.a.

199.13 – 203.9

Pyroclastic?

- Weakly to moderately sercitized pyroclastic. sercitic veinlets define fabric at 45° to c.a.
- Unit locally sheared
- Fragments include calcite and siliceous material. No quartz recognized. Maybe unit representative of an altered mafic?
- Trace local blebby pyrite
- Upper contact hematized.

205.9 – 233.4

Mafic Flow

- Pervasively hematized mafic flow
- Consists of alternating amygdaloidal maroon and ochre-red mafics.

233.4 – 241.82

Altered Mafic Flow

- Weakly silicified and sercitized mafic flow?
- Amygdaloidal (rounded pink calcite amygdules – 1-10 mm)
- Flooded by thin sercitic veinlets at 30 – 40 ° to c.a.
- 20% calcite /carbonate flooding
- Lower contact nebulous

241.82 – 245.30

Felsic Pyroclastic

- Wispy sercitic textured pyroclastic flow.

254.30 – 260.55

Mafic Flow

- Locally hematized amygdaloidal mafic flow. Calcite amygdules rounded (1-4mm)
- 251.0 – 257.0 m maybe more related to a light green poorly sorted lithic wacke than a mafic volcanic. Py, calcite, sercitized plag crystals present.
- Lower contact bounded by 3 cm calcite filled shear at 55° to c. a.

260.55 – 267.2

Pyroclastic?

- Light green in colour
- Sercitic veinlets throughout. Possible pumice tubes at bottom of unit
- Fabric developed at 30 – 40 ° to c.a.
- 10% carbonate / calcite veining.

267.2 – 291.08

Mafic Flow?

- Variably hematized mafic flow? Unhematized sections are bleached in colour.
- Calcite amygdules are located throughout bleached and maroon coloured mafic.
- Local wispy sercitic veinlets and quartz flooding.
- Bleached sections may be tuffaceous in nature and represent a mixed sedimentary mafic package. Amygdules exist but appear to be related to sub-rounded pseudo-clasts.
- Maroon sections are characteristically similar to what is seen uphole.

291.08

End of Hole