

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

PROJECT: Buchans Junction **DRILLED BY:** Petro Drilling **DATE STARTED:** 20.7.99 **AZIMUTH:** 150 **LOCATION:** L78+00E 85+00N **HOLE #:** BJ-99-01

PROPERTY: **LOGGED BY:** Barry Greene **DATE COMPLETED:** **DIP:** -70 **SHEET #:** 1
LICENCE: 6167M **CORE SIZE:** NQ **TOTAL DEPTH:** 267m

FROM	TO	DESCRIPTION	SAMPLE #	FROM	TO	LENGTH	%REC	Cu	Pb	Zn	Au
0	6.76m	Overburden / casing									
5.76	246.95m	Hematitic Basalt Massive, maroon to red, hematitic mafic pillowed flow. - non magnetic - amygdular with variable size and abundance of amygdules Concentration of amygdules locally up to 30% and size from 1mm to 8mm. Calcite filled. Generally round but somewhat irregular in part. - 2 – 5 % random orientated white calcite (effervescent) microveinlets to 1cm veins throughout - interpillow (selvages) are light to med green weakly epitotized with minor remnant hematitic haloes around calcite veinlets. - 45.20 – 55.71m – predominantly less hematitic and lighter green with 5 – 10 % epidote. < 1% of amygdules and locally calcite veinlets contain a soft, anomalous bright green mineral throughout the overall interval. - plagioclase and locally pyroxene phyric with tiny <1-2mm euhedral phenocrysts. - 80.09 – 80.45m - fault gouge @ 80 degreeTCA zone of cataclastic breccia and deformation. This fault zone from 80.09 – 92.70m either exploits a less competent pillow breccia with chloritic, hydroclastic textured matrix or the breccia is a fault related bx, healed for the most part. - 85.50 – 87.50m - badly broken core with several 10cm zones of gouge.									

- 87.50 – 92.70m – Healed fault breccia

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- 119.59 – 126.55m - diabase dyke
 - weakly magnetic
 - med. green sharp upper contact @ 75 degree TCA
 - plag + px porphyritic throughout with equigranular, 2-3mm, cream coloured, somewhat sausseritized plag and black to dark green chloritized px.
 - basal contact is nebulous.
- 139.12 – 146.02m - pillow breccia consisting of variable sized fragments of round, hematitic calcite amygduloidal pillows with green fine grained, chlorite / epidote rich matrix or interpillow material.
 - Calcite amygdules reach up to 3cm diameter.
- 146.02 – 183.51m - mafic pillow laves continues with large calcite amygdules up to 2cm diameter.
 - 163.81 – 170.10m – interpillow breccia with angular and round hematitic, amygdular pillow fragments in a green chloritic matrix.
 - no mineralization or alteration.
- 183.51m - fairly sharp contact @ 70 degree TCA between different mafic flows.
 - Below this, the lithology appears to be the same but distinctive large, round amygdules are replaced by 1 – 4mm (locally 8mm) calcite + quartz amygdules. some “ amygdules” appear to have quartz type crystal terminations and look somewhat like phenocrysts. This interval is still strongly hematitic, akin to entire hole to this point.
 - interpillow material is light green and epidote + hematite altered

246.95 267.0m Green mafic flow, in part pillowed and brecciated, lighter green to green grey and bleached. Not mineralized.

- End of pervasive hematization but still contains local hematite / epidote veinlets. Epidote / silica infilling matrix to bx – where developed.
- large 1cm to small 2-3mm calcite amygdules.

265.46 – 266.27m – hematitic interval in brecciated over initial 17cm with hematite matrix and 2-4cm green, amygdular round mafic frags.



267m

267m - END OF HOLE