

UTAH MINES LTD.

JOE GLODES PROPERTY, NEWFOUNDLAND

NTS: 12 A/16

HOLE NO:	JG-2-1	Date Started:	March 7, 1987
Coordinates:	L26N/2.75W	Date Finished:	March 9, 1987
Inclination:	-45°	Total Depth:	466'
Bearing:	288°	Logged By:	P. Legain

INTERVAL	GEOLOGY
0 - 64'	Overburden
64 - 69'	<u>Red & Green Amygdaloidal Mafic Volcanics</u>
	- Dark green with blood red patches and white spots
	- Massive fine grained-aphanitic green with red patches (normal partially hematized mafic volcanics)
	- Amygdaloidal sections with calcite fillings 0.5-5mm in diameter, making up 25% of the rock.
	- Abundant calcite fractures up to 1", making 5% of the rock
	- No alteration, no sulphide
	-65.5-66.5' - example amygdaloidal section boundaries gradational, non directional
	-74-76' - several 2-3" wide amygdaloidal mafic volcanics with contacts at 60° to core axis
	-96' - lower contact gradational
96 - 158'	<u>Mafic To Intermediate Volcanic Breccia</u>
	- Dark green with grey patches containing white spots
	- Breccia fragments make up 10-25% of the rock
	* Intermediate-felsic aphanitic volcanics with 10-30% calcite filled amygdules (look like silicified amygdaloidal, mafic volcanics), angular, 1-20 cm in size
	- Matrix - fine grained-massive 30-45% chlorite
	- No alteration, no sulphides
	-155.0' - matrix slightly schistose @ 75° to core axis
	-158' - lower contact defined by last occurrence of felsic breccia fragment
158 - 190'	<u>Fine Grained Mafic Volcanics</u>
	- Alternating dark red and green layers of fine grained slightly schistose to massive schistosity @ 60° to core axis
	- 20-40% chlorite

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- No alteration or sulphides
- Abundant calcite fractures up to 1 cm wide making up 2-5% of the rock

190 - 283'

Mafic Volcanic Breccia

- Dark green and red
- Massive to schistose mafic matrix
- 0-20% angular amygdaloidal mafic volcanic fragments up to 6 cm with calcite amygdaloidal fillings
- 0-25% massive fine grained mafic volcanic fragments (red brown)
- 80-100% fine grained massive to schistose mafic volcanic matrix
- 190-193' - occurrence of amygdaloidal mafic volcanic breccia fragments up to 6 cm making up 10-20% of the rock
- 194-198' - 25% red mafic volcanic breccia fragments up to 5 cm in dark green chlorite matrix (sheared in appearance)
- 225' - 1' felsic volcanic breccia fragment - porphyritic with 20% fine grained plagioclase crystal in aphanitic grey ground mass with abundant epidote filled fractures
- 230' - 1" epidote filled fracture @ 20° to core axis
- 236' - schistose green mafic volcanic matrix, schistosity @ 80° to core axis
- 253-256.5' fine grained massive mafic volcanic with up to 20% medium grained mafic chlorite clots
- 258.5-261' fine grained massive mafic volcanic contact @ 65° to core axis
- 270-273' - 20% silicified amygdaloidal mafic volcanic breccia fragments, angular up to 5-6 cm in size

283 - 301'

Fine Grained Mafic Dyke

- Green massive, fine grained equigranular
- Contains 40-60% mafic
- 5% calcite fractures
- No sulphides or alteration
- 283' - contact breccia zone with 1' wide with mafic breccia fragments

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301 - 331'

Mafic Volcanic Breccia

- Same as 190'-283'

- 305.7' - fine grained massive mafic dyke
1.5' wide contact @ 75° to core axis
- chilled margins
- 320.6' - fine grained massive mafic dyke,
1' wide, contact at 45° to core axis
(chilled margin)
- 322.5-331' - fine grained massive dyke
- no sulphides

331 - 366'

Amygdaloidal Mafic Volcanic

- Dark green with white spots and red patches
- Massive with 20-30% medium grained calcite filled amygdules
- 40-60% mafics
- Abundant calcite filled fractures - all orientation
- Breccia in some localities
- 10% patchy hematite

366 - 392'

Mafic Volcanic Breccia

- Same as 190'-283' (hematitic)
- Matrix slightly schistose @ 80° to core axis
- 50-60% oxblood red (hematite) in colour
- 10% amygdaloidal mafic breccia fragments, angular, up to 1' in size
- No sulphide, no alteration
- 366'- on - 50% hematitic red brown (only 10% amygdaloidal mafic breccia fragments)

392 - 403'

Fine Grained Mafic Dyke

- Green, massive equigranular
- 40% mafic(trace, fine grained fibrous amphibole)
- 0-20% medium grained chlorite clot in places
- Trace disseminated-veinlet pyrite
- No alteration
- 403' - lower contact at 60° to core axis

SAMPLES

392 - 403 #4524

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403 - 412'

Intermediate To Mafic Volcanic Breccia

- Mottled light green and dark green,
- 20-30% intermediate volcanic breccia fragments (porphyritic with 20% fine grained plagioclase phenocrysts in fine grained-aphanitic ground mass) with subtly altered rims set in granular matrix of similar material
- abundant calcite in-fillings in matrix
- no sulphides

- 412' - contact at 30° to core axis

412 - 424'

Fine Grained Mafic Dyke

- Same as 392'-403'
- Trace - 1% pyrite - As very fine grain disseminated pyrite;
- Fine-medium grained blebs of pyrite and As hair-line - pyrite filled fractures

- 424' - contact at 30° to core axis

SAMPLES

412-424 #4525

424 - 466'

Intermediate To Mafic Volcanic Breccia

- Same as 403'-412'
- No sulphides,
- No alteration
 - 427' - 6" mafic dyke at 30° to core axis
 - 440' - gradational change to mafic volcanic breccia

466'

END OF HOLE

COMMENT:

No dip test taken