

ABERFOYLE EXPLORATION DIAMOND DRILL LOG

PROJECT : HATFIELD EL15/73 Tasmania

PROSPECT : N.W. MT CHARLES

HOLE NO : MC-11

PAGE : 2 of 6

LOGGED : AMH

DATE : 30-11-84

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION		VEINING		MINERALISATION		STRUCTURE		WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION	TYPE	INTENSITY	TYPE	INTENSITY								
40			ANDESITE LAVA BRECCIA													40
41				45.8 BLACK CHES SHALE IN BRECCIA MATRIX												41
42				46.2												42
43																43
44																44
45																45
46																46
47																47
48																48
49																49
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76																76
77																77
78																78
79																79
80																80
81																81
82																82
83																83
84																84

45.8
BLACK CHES SHALE IN BRECCIA MATRIX

46.2

45.8
DIRTY YELLOW GREEN
SERICITE ALT. - NO PINK
ALT.

50.3
CUMMINGTONITE
AND ANDESITE FRAGMENTS,
PINK FELDSPAR/SILICA
ACT. OF MATRIX

47.7
QUARTZ WITH CREAMY
CARBONATE, GREEN/YELLOW
ILLITE AND TRACE BROWN
SPHALERITE AS VEINETS
AND MATRIX PATCHES.

53.5
QUARTZ, WHITE OR LIGHT PINK
FELDSPAR, MINOR ILLITE AND
TRACE SPHALERITE IN MATRIX
VEINETS
(NOT TRUE VEINS)

77.0
MILKY QUARTZ, DARK GREEN
YELLOW ILLITE IN "VEINETS"
IN CENTER OF BRECCIA
MATRIX, RARELY AS
TRUE VEINS

47.7
FANT, 100um,
CHLORITIC PDS, CALCITE
SUB-PARALLEL TO C.A.

54.1
FANT, 20um, CHLORITIC
ROSBLE

VERY BROKEN
ALONG POWER
LEADERS AND
ILLITE VEINS

ILLITE-SERICITE ALTERATION
IN ASSOCIATION WITH FAULTING
BETWEEN 30.1 - 47.8
PET 315765, 47.9, REA 46.2 - 50.8
ANDESITIC (DAGITE?) BRECCIA,
ANGULAR FRAGMENTS OF ANDESITE
(DAGITE?), STRONGLY SER/CAL/SI
ALTERED, IN FINE GRAINED MATRIX.
LEUCOXENE AFTER MAGNETITE

ABERFOYLE EXPLORATION

DIAMOND DRILL LOG

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PROSPECT : N.W. MT CHARLES

HOLE NO : ML-11

PAGE : 3 of 6

LOGGEO : AMH

DATE : 7-12-84

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
86			ANDESITE LAVA BRECCIA									86
88												88
90												90
92												92
94												94
96												96
98			*									98
100												100
102												102
104												104
106												106
108												108
110												110
112												112
114												114
116												116
118												118
120					119.0 GRADATION ^{over} 5 METERS							120
122					OVERPRINT OF SERICITE ALTERATION ON CHLORIT- ISED ANDESITE BRECCIA FRAGMENTS. PINK ALTERATION IS INTENSIFY 3/4 IN THIS INTERVAL							122
124												124
126												126

PET. 315766, 972; REP. 503-119.0
AGGLOMERATE.
FRAGMENTS OF CHLORITISED/EPIDOTISED
ANDESITE, PINK RHODACITE IN
MATRIX CONTAINING ADULARIA, CALCITE,
CHLORITE, HYDROMUSCOVITE

ABERFOYLE EXPLORATION DIAMOND DRILL LOG

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PROSPECT : N.W. MT CHARLES

HOLE NO : ME-11

PAGE : 4 of 6

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
128			ANDESITE LAVA BRECCIA		"							128
130												130
132												132
134												134
136												136
138					137.0 GRADATIONAL OVER 2 METERS. VARIABLE FERRATE CHLORITIZATION, SERICIT- IZATION, PINK FELDSPAR SILICA ALTERATION							138
140						138.0 MILKY QUARTZ VEINS, UP TO 20m BUT PREDOM- INANTLY 1-5mm, WITH MINOR CREAMY CARBONATE AND DARK GREEN/YELLOW ILLITE. ONLY RARELY IN BRECCIA MATRIX CENTERS.						140
142												142
144			142.6 VOLCANIC SEDIME- NTARY BRECCIA *	1-10 cm CLASTS OF PINK ALTERED PORPHYRITE ANDESITE CLOSELY PACKED IN CHEST/BLACK SHAPE MATRIX. MATRIX MORE VOLCANIC TOWARDS LOWER CONTACT.								144
146			146.8 POLYMIT BRECCIA *	PREDOMINANTLY GREEN BLK 2-10cm ANDESITE FRAGMENTS, VARIOUS PINK ALTERED IN A SIMILAR MATRIX. < 5% TALC FRAGMENTS AND PYRITE FRAGMENTS.								146
148			(OR LAVA BRECCIA WITH RARE EXOTIC FRAGMENTS)									148
150												150
152												152
154			154.6 PINK ALTERED BRECCIA (ALTERATION ROCK TYPE)	TOTALLY PINK ALTERED ? ANDESITE, HYDRAULICALLY FRACTURED, WITH A NETWORK MATRIX OF FINE GRAINED PYRITE VEINS (2-10%).	155.5 VERY STRONG PINK FELDSPAR SILICA ALTERATION							154
156												156
158												158
160												160
162												162
164												164
166												166
168												168

From 167.0 GRAD into A LAVA BRECCIA
ROCK WITH WEAK FLOW STRUCTURE.
PYRITE DECREASES TO < 1% AND PINK
ALTERATION ALL DECREASES.

REF. 215767, 143-5, REF. 142.6-146.8
ANDESITE/TRACHYTE. (LAVA).
PALE TRACHYTE FRAGMENTS IN
K-FELDSPAR GROUNDMASS BANDS
OF FINE GRAINED ANDESITE
REF. 315768, 147.6, REF. 146.8-154.6
LAVA BRECCIA.
FRAGMENTS OF SODI-POTASSIC MICRO-
SYENITE IN TRACHYTIC LAVA MATRIX.

REF. 315769, 159.5, REF. 154.6-170.5
PORPHYRITIC TRACHYTE.
ALBITE PHENOCRYSTS IN GROUNDMASS
OF ALBITE, K-FELDSPAR, PATCHY
SERICITE ALTERATION. PYRITE
INTRODUCED.

ABERFOYLE EXPLORATION

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PAGE : 5 of 6

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			ROCK NAME	DESCRIPTION								
170			PINK ALTERED BRECCIA	GRADATIONAL CONTACT OVER 5M		2						170
172			ANDESITE LAVA BRECCIA, LAVA (WEAKLY PORPHYRITIC)	GREY GREEN ANDESITIC FRAGMENTS 1-5cm, in PINK FELDSPAR SILICA ALTERED MATRIX, INTERFINGERING WITH MASSIVE NON-BRECCIATED ZONE. ROCK TYPE DISTINGUISHED FROM O-1426 BY NOTABLY WEAK DEVELOPMENT OF PHENOCRYST	176.5 GRADATIONAL OVER 5 METERS. DECREASE IN INTENSITY OF PINK ALTERATION - IN THIS INTERVAL BRECCIA FRAGMENTS ARE SERICITIZED AND WEAKLY CHLORITIZED AND MATRIX IS SIMILARLY ALTERED. PINK FELDSPAR/SILICA ALTERATION OCCURS AS COMPLETELY PERVIOUS ZONES AS NOTED BELOW	172.0 Composition as ABOVE	3					172
174												174
176												176
178												178
180												180
182												182
184												184
186												186
188												188
190												190
192												192
194												194
196												196
198												198
200												200
202												202
204												204
206												206
208												208
210												210

PET. 315770; 199-6, REP PART 170-5-202.0
 PORPHYRITIC SODIC RHYOLITE.
 PINK ALBITE PHENOCRYST IN A GROUNDMASS OF PRIMARY(?) QUARTZ, ALBITE, CHLORITE/SERICITE INTRUD. POSSIBLE DEVITRIFICATION TEXTURE.

206.5 F.Z. 3-5m; CHLORITE RUBBLE

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PAGE : 6 of 6

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			ROCK NAME	DESCRIPTION								
212.0			ANDESITE LAVA, LAVA BRECCIA		211.7 As for 176.5-202.0	212.0 Composition as above 3 (Tetrahedra identified carbonate as siderite)						212
213.2					213.2 ZONE OF PERVAIVE PINK FELDSPAR/SILICA ALTERATION 5							214
219.8					219.8 As for 176.5-202.0							216
224.0					224.0 ZONE OF PERVAIVE PINK FELDSPAR/SILICA 4							218
225.6					225.6 As for 176.5-202.0							220
233.3			VEVICULAR BASALTS LAVA DARK GREEN, FINE GRAINED, MASSIVE, VEVICULAR BASALT LAVA. VEVICLES IRREGULARLY DISTRIBUTED IN PATCHES AND FILLED WITH PURPLE STAINED CARBONATE. VEVICLES ARE ELONGATED.		233.3 ZONE OF PERVAIVE PINK FELDSPAR/SILICA ALTERATION 4							222
238.9					238.9 STRONGLY CHARACTERISED As for 176.5-202.0							224
239.1			VEVICULAR BASALTS LAVA		239.1 As for 176.5-202.0	239.1 1-5cm milky Qtz, CRYSTALS CROSS.						226
240.6			ANDESITE LAVA BRECCIA (WEAKLY PAPPHITE)	As for 170.5-239.1 DARK GREEN FRAGMENTS OF ANDRAITE, DIFFUSE MANGANESE, IN A PINK FELDSPAR/SILICA ALTERED MATRIX.	240.6 As for 176.5-202.0	240.6 TRACE 1-2mm milky QUARTZ VEINS						228
246												230
248												232
250												234
252												236
254												238
256												240
258												242
260												244
262												246
264												248
266												250

PET 315771; 213.9m, REP 213.2-219.8
PORPHYRIC TRACHYTE.
ALBITE PHENOCRYSTS IN GROUNDMASS
OF ALBITE, (DEVITRIFICATION?) QUARTZ,
KAOLINITE/ILLITE (ALTERED GLASS?)

PET 315772; 239.6, REP 239.1-240.6
ALTERED? TRACHYTE.
DEVITRIFIED CHLORITE/ILLITE
ALTERED BASIC (ULTRAMAFIC)
GLASS. MINUTE CHROMITE
CRYSTALS THROUGHOUT.

VERY SHARP
IRREGULAR
CONTACT

VERY SHARP
IRREGULAR
CONTACT