

Hole No. : MXUD01		Collar Location		Graphical Drill Hole Log		Logged by : MB		Massive									
Project : EL 34-2010		East :				Drilled by : EDrill		Pervasive									
Prospect : Murchison Mine		North :				Drill type : LF70		Disseminated									
Grid :		Proj. :		Total Depth :		Drill Date		Narrow vein									
		0.062 1/4 1 4 16 64 mm															
From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grain size	Description	Alteration					Mineralization			
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	% Vein Disseminated
0	1							0-3.6 siliclastic glacial deposits									
1	2																
2	3																
3	4							3.6-4.8 green-brown clays									
4	5							4.8-7.7	/		/						
5	6							weathered zone in carb altered	/		/						
6	7							dacitic lavas.	/		/						
7	8																
8	9							7.7-11 weakly foliated, weakly	/		/						
9	10							dacitic clast bearing dk green carb	/		/						
10	11							altered dacitic lava or volcaniclastic									
11	12							11-19.8			X						
12	13							v. strongly carbonated altered	/		X	/					
13	14							possible dacite hyaloclastite or			X						
14	15							hydraulic jigsaw breccia.			X						
15	16										X						
16	17							dacitic clasts supported by	/		X						
17	18							carbonate rich matrix			X						
18	19							no significant min.	/		X						
19	20										X						
20	21							19.7-32.4m.									
21	22							dark green, strongly carbonate	/		/						
22	23							veined, leucocratic (mm) flecked									
23	24							fine grained dacitic lava.	/		/						
24	25																
25	26								/		/						
26	27																
27	28								/		/						
28	29																
29	30																

* PLANNED COLLAR LOCATION 382575 E, 5370500 N, 463 RL.
GPS Pickup pending 24/5/12.

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 Prospect : Murchison Mine
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 Collar Location
 East :
 North :
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Graphical Drill Hole Log

Logged by
 Drilled by
 Drill type
 Drill Date

MB
 ED
 LF70

Massive
 Pervasive
 Disseminated
 Narrow vein



Total Depth :

0 002 1/4 1 4 16 64 mm

From	To	Colour Weathering	Structure type 1	Structure type 2	Angle C/A	Graphic structure	Log grain size	Description	Alteration						Mineralization			
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	% veining	Dissemination Pervasive
30	31																	
31	32																	
32	33							32.4 - 33.9m bleached zone with fault 33.3-33.7m	X	X		X						
33	34								X	X		X						
34	35							33.9-45.2	/	/		/						
35	36							mottled dark green <u>diacitic</u>	/	/		/						
36	37							<u>pebble breccia</u>	/	/		/						
37	38							matrix supported	/	/		/						
38	39								/	/		/						
39	40							1-3cm carbonate veins	/	/		/						
40	41							trace f.g. dissem. py	/	/		/						
41	42								/	/		/						
42	43							pink, cream & green diacitic clasts.	/	/		/				no		
43	44								/	/		/				significant		
44	45								/	/		/				min		
45	46							45.2-63.8	/	/		/						
46	47							sequence of dark-green	/	/		/						
47	48							strongly carbonate altered <u>diacitic</u>	/	/		/						
48	49							to andesitic <u>volcaniclastic</u> graded	/	/		/						
49	50							<u>bed wite</u>	/	/		/						
50	51								/	/		/						
51	52							strong carbonate veining throughout	/	/		/						
52	53							weak foliation	/	/		/						
53	54								/	/		/						
54	55							trace f.g. pyrite dissem	/	/		/						
55	56								/	/		/						
56	57								/	/		/						
57	58								/	/		/						
58	59								/	/		/						
59	60								/	/		/						

56°
 class
 alignment

60°
 facing
 West

58°
 class
 fol

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Collar Location

Graphical Drill Hole Log

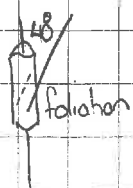
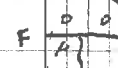
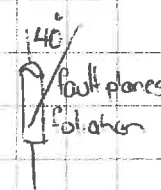
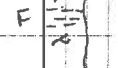
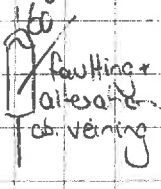

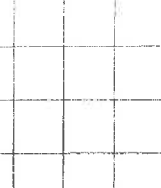





Total Depth :

Logged by
Drilled by
Drill type
Drill Date

MB
EDrill
LF70

Massive
Pervasive
Disseminated
Narrow vein



0.002 1/4 4 10 64 mm										Alteration					Mineralization									
From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grain size	Description	Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	% Veining	Disseminated	Pervasive					
60	61							63.8-95.5m				/	/											
61	62							dark green <u>dacitic to andesitic</u> fine				/	/											
62	63							grained to mm feldspar phytic				/	/											
63	64							<u>volcanics / volcaniclastics</u>				/	/											
64	65							Strongly carbonatic veined with				/	/											
65	66							multiple faults & bleached fuchsite- sericite-haematite altered zones.				/	/											
66	67							65.9-66.2 faulted, bleached				/	/											
67	68											/	/											
68	69							68.2-68.4 strong fuchsite-haematite alt vein mixed.				/	/											
69	70											/	/											
70	71											/	/											
71	72											/	/											
72	73							72.4-72.7m strong bleaching fuchsite - sericite alt - faulted.				/	/											
73	74											/	/											
74	75							overall no significant mineralisation				/	/											
75	76											/	/											
76	77											/	/											
77	78							fuchs, haem, cb alt				/	/											
78	79											/	/											
79	80											/	/											
80	81							81-81.4 bleached, faulted				/	/											
81	82											/	/											
82	83							82.2-82.4 as above				/	/											
83	84											/	/											
84	85											/	/											
85	86							85.1-85.5 mod. fuchsite, carb, haem alt				/	/											
86	87											/	/											
87	88											/	/											
88	89											/	/											
89	90											/	/											

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Massive
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Disseminated
Narrow vein



0.063 1/4 1 4 16 64 mm

From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grain size	Description	Alteration						Mineralization			
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	%	Veining Dissemination Pervasive
90	91																	
91	92							92.64 closed HQ → NO										
92	93																	
93	94							intense cob + quartz veining										trace to
94	95																	1% generally
95	96							95.5-102.1 m										f.g. to
96	97							distinctive dk green, cream spotted xtal rich dacite/diabase set.										1mm euhedral
97	98																	disseminated
98	99							feldspar 2-3mm										
99	100							moderately silicified										
100	101																	
101	102																	
102	103							102.1-103.5 fine grained dacite volcanic tuff										
103	104																	
104	105							103.5-127.8 strongly 1-3mm feldspar phytic dacite as at 95.5m										
105	106																	
106	107																	
107	108							veining = quartz + carbonate up to 10 cm strong 40° to near to VCA										no significant min
108	109																	
109	110																	
110	111							no significant mineralisation										
111	112							trace f.g. py										
112	113																	
113	114							silicification increasing slightly										
114	115							downhole										
115	116																	
116	117																	
117	118																	
118	119																	
119	120																	

60°
contacts
sharp

50°
weak foliation

40°
foliation +
general veins

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Grid :		RL :		Drill Date				Narrow vein										
Proj.				Total Depth :														
		0.062 1/4 1 4 16 64 mm																
From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grainsize	Description	Silica	Seiote	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	z%	Veining Pervasive
120	121						F		/		/							
121	122						F		/		/					trace		
122	123						F		/		/					fig to w		
123	124						F		/		/					euhedral		
124	125						F		/		/					py		
125	126						F		/		/							
126	127						F		/		/							
127	128	x					F		/		/							
128	129						F	127.7 - 168.5M.	/		/							
129	130						F	sequence of uphole facing (west facing)	/		/							
130	131						F	graded dacite volcanoclastic ls.	/		/							
131	132						F	sandstone & fine sandstone units	/		/							
132	133						F		/		/					trace fig		
133	134	Veins mostly grey					F	white	/		/					g. dissem		
134	135	VCA.					F	mod - strong ^ carbonate - qtz + chlorite	/		/					throughout		
135	136						F	veining to 10 cm throughout.	/		/							
136	137						F		/		/							
137	138						F		/		/							
138	139						F		/		/							
139	140	x					F	coarse bed bases are polymict	/		/							
140	141						F	cream, orange, green dacite clasts +	/		/							
141	142						F	tube pieces to 5cm.	/		/							
142	143						F	coarse bases are generally mod.	/		/							
143	144						F	silicified, increasing silicification	/		/							
144	145						F	downhole.	/		/							
145	146						F		/		/							
146	147	x					F		/		/							
147	148						F		/		/							
148	149						F		/		/							
149	150						F		/		/							

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0.062 1/4 1 4 16 64 mm

From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle CA	Graphic structure	Log grain size	Description	Alteration						Mineralization		
									Silica	Sericite	Albite	Carbonate	Chlorite	Hematite	Vein Qtz %	Mineralisation Assemblage	% Veining Dissemination Pervasive
150	151																
151	152																
152	153																
153	154																
154	155																
155	156																
156	157	x						- clast rich									
157	158																
158	159							dacitic volcanoclastic breccia								trace to	
159	160							as above - juvenile : clasts								trace f.g.	
160	161							sub round to angular								dissemin.	
161	162																
162	163							filled with mm leucocrine									
163	164	x						throughout.									
164	165																
165	166																
166	167																
167	168							168.5 - 170.2m Henry Fault. ?									
168	169							cream green intensely sericised								trace.	
169	170							thickened fault.									
170	171							trace dark f.g. sulphide									
171	172							170.2 - 174.3 dacitic								slightly	
172	173							green grey clast rich volcanoclastic								increased	
173	174							sandstone to pebble conglomerate								silicifications	
174	175							mod sericite - carb altered								reduced carb	
175	176							weakly 1-2mm quartz phytic.								veining.	
176	177							no significant sulphide (trace)									
177	178							174.3 - 184.2									
178	179							distinctive foliated qtz xtal and polymict									
179	180	x						hyalitic clast rich graded mass									
								flow deposits									
								qtz xtal sandstones to hyalitic pebble									
								conglomerate juvenile angular clasts.									

striking pale green sericite fabric
 wrapping around xtal and clasts.

Massive
Pervasive
Disseminated
Narrow vein

Total Depth :

0.062 1/4 1 4 16 64 mm

0.002 1/4 1 4 16 64 mm										Alteration					Mineralization		
From	To	Colour/ Weathering	Structure type 1	Structure type 2	Angle C/A	Graphic structure	Log grain size	Description	Silica	Serpentine	Albite	Carbonate	Chlorite	Homelite	Vein Qtz %	Mineralisation Assemblage	Veining Dominant Phase
180	181	x	150° foliation						/	/						trace	
181	182							= seratic? micr porphyrous or glassy fabric.	/	/						patchy	
182	183								/	/						g disse	
183	184							184.2-186.8	/	/							
184	185							dark green, chloritic volcaniclastic sandstone. no significant min	/	/							
185	186								/	/							
186	187							contact 30°/VCA →	/	/							
187	188							186.8-192.5	/	/							
188	189							juvenile rhyolitic cobble breccia as at 198.5m	/	/						trace patchy	
189	190								/	/						g disse	
190	191	x	60° foliation						/	/							
191	192								/	/							
192	193							contact 60°/VCA	/	/							
193	194							192.5-198.5	/	/							
194	195							weakly quartz phylic to dacitic volcaniclastic fine sandstone. feldspar dominant	/	/						no significant min	
195	196							bleached strong carb alt veins →	/	/							
196	197							strong bleaching + seratic + carbonate alteration @ 195-195.5m	/	/							
197	198								/	/							
198	199							contact 60°/VCA sharp, seratic	/	/							
199	200							198.5-206.4	/	/							
200	201							dishrative orange, cream, brown green rhyolitic clast rich volcaniclastic pebble to cobble breccia	/	/						rare to trace	
201	202	x	60° foliation						/	/							
202	203							dominantly juvenile clasts to 10cm ⁺ ? redeposited hyaloclastite	/	/						P.g py in matrix within clasts	
203	204							weak carb veining, well foliated.	/	/							
204	205								/	/							
205	206							206.4-210.5	/	/							
206	207							rhyolitic cobble breccia	/	/						as above	
207	208	x	45° foliation					mass flow as at 198.5m	/	/						* rare cpy within rhy. clasts.	
208	209								/	/							
209	210								/	/							

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 Pervasive
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[illegible]