

Aberfoyle Resources Limited

EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : MACINTOSH EL 106/87

PROSPECT : MOUNT CHARLES SOUTH

HOLE NO : MAC-25

PAGE : 2 of 26

LOGGED : RSH

DATE : 22/3/90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH	
			ROCK NAME	DESCRIPTION									
22				gn B.l./B.l.b. ± str Ce v k ch's k some Ce alteration haloes around Ce veins (21.8 - 23.2m)	21.5 mmr str Co. 1-2		mmr veinlet Py mmr Py as inclusions in vlc. mnr thin alteration haloes around Py v k discs.						
23				gn-br with B.l. ± Ce veins & uugs around Ce (22.3 - 23.0m)	23.3 mod with ⇒ Cr 2 22.8	str Ce v k str's ± mnr Py as veinlets		local b. ± Co / mnr Py mtx.					
24				gn B.l./B.l.b. ± str Ce str k v k mnr Py k veinlets k discs (23.0 - 25.3m)	25.3 wk str Co off as haloes around some vlc								
25				gn wk vas. B.l. ± mnr b. k mod. to wk Ce v k str's (25.5 - 28.5m)									
26				pale gn B.l.b. ± Ce with k mod Ce/Si off of some clasts (28.5 - 28.9m)	wk Ce / Si? alteration of some clasts @ 28.6 k 30.0								
27				Petrologist @ 28.8m (#S62243P)	patch. Ce / Si? alterat u								
28				gn B.l./B.l.b., weakly vesicular ± str to mod v k str's Ce k Co infillad vas. (28.9 - 31.8m)									
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													

note
S62243P has been identified
petrographically as a Andesitic
lava breccia. Clast variations
suggest contribution from
more than one flow.
1/2 . 11.15 Cr. 181

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : MACKINTOSH 41106/81

PROSPECT : MT CHARLES SAND

HOLE NO : MAC-25

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LOGGED : RSH

DATE : 22/3/90

DEPTH	DRILL RUNS	DRE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH	
			ROCK NAME	DESCRIPTION									
43				gn mass-alkali. B.1/B.1.b. ± mod-str cc v k sth k patchy vesicular (- Si.O.)	mmv Ca/Si k wk patch Cl alteration	str - mod cc v k sth.	mmv Py associated ± Fe staining. k sth.						
44				vesicles infilled with Ca. wk schistose in places				mod to str local brachioid ± Ca mtk					
47								Schistose (AB.6-AB.12)					
51			NR	gn-gy mass. B.1. weakly brac. ± str cc v k sth. (Si.O-Si.B.M)	Si.O	Si.O str-mod cc v k sth.	Si.O	Si.O					
52								weakly sch. str to mod b. ± cc v k sth.					
53				d.gn. mass B.1.b. ± str cc v k sth k Cl development on cleavage surfaces weakly vesicular in places ± Ca infill of vesicles. mass to weakly schistose (51.8-56.0 m)	mmv Cl development on cleavage surfaces.		mmv disc Py.						
54													
55				gn wk. ves. mass. B.1/B.1.b. ± mod cc v k sth. (56.0-60.3 m)	56.0	56.0 mod to wk v cc		minor wk. b.					
60				PROLOGUE @ 5m (#5622AAP) gn mass to wk sch. B.1/B.1.b. / cc 1-2 ± wk to mod cc v k sth (60.3-61.7 m)	60.3 patchy cc 1-2 alt of B.1 clasts.	60.3 mod to wk cc v k sth.		mod b. (hypoblastic) wk local sch. 61.7					
61													
62				gn wk. ves. B.1 E mod to wk. v cc wk local b. @ 62.2-62.4 m. (61.7-62.7 m)	61.7 parv. pat cc 1 alt so2 cc 1 alt of b. clasts 62.2-62.4		mod Py v. k disc. @ 62.2-62.4.	b. @ 62.2-62.4 ± cc mtk					
63													

NOTE:
Petrographic examination indicates
#5622AAP is an augite/plagioclase
phyric andesitic lava/lava breccia
11/2r : 20.56 Cr : 175

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : MACLINKOSH EL 106/87

PROSPECT : MT CHARLES SOUTH

HOLE NO: MAC-25

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LOGGED: RH

DATE: 27/3/90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
64												
65	64.9											
66												
67												
68	67.9											
69												
70												
71	70.9											
72												
73												
74	73.9											
75												
76												
77												
78												
79												
80												
81												
82												
83	82.9											
84												

gn-qtz wk vas B.I. ± patch wk silicificatⁿ
 to wk to mod Cc v k stn.
 vas infilled ± Cc.
 (68.7 - 74.2 m)

minor wispy veinlets & masses chert
 around 72.3 - 74.2 m.

gn massive to wk vas. B.I. (pillowed)
 ± inter-pillow cherts & wk Cc v.
 (74.2 m - 81.2 m)

gn B.I. to ± Cc mtk
 (81.2 - 81.4 m)

gn mass to wk vas. B.I. ± stn
 Cc/Qtz veins (to 10cm thick)
 (81.4 - 81.1)

68.7
 minor patch Cc/Sil-2
 alteration

74.2

minor patch Cc/Sil-2
 alterationⁿ

mod to wk Cc v k stn.

68.7
 wk to mod Cc v k stn
 str Cc/Cl v to 10.0 m.

74.2

wk Cc v.

81.2
 irreg spaced Cc/Cl
 str veins (to 10cm)

68.7
 minor Py/Sph as
 disseminations &
 veinlets assoc. ±
 Cc/Sil alteration
 asp. 72.3 - 74.2 m.

74.2 m

minor disse Py/Sph
 throughout.

Py & Sph veinlets
 & disseminations
 in inter-pillow cherts
 & as veins to chert
 in B.I.

81.2

74.2
 pillow lava
 sequence
 ± inter-pillow
 cherts

81.2
 ± Cc mtk
 @ 81.2 - 81.4 m.

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DIAMOND DRILL LOG

PROJECT : MACKINTOSH 42 106/81

PROSPECT : MT CHARLES SOUTH

HOLE NO : UAC-25

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LOGGED : RJA

DATE : 14/00

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
81.6				H. gn B.l.b. ± Co mtk (81.1-81.6m)	as for sheet 4.		as for sheet A					
89.8				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-89.8m)	81.6 wk to mod Co 1-2 mnr scale Cl/Sa 1.		81.6m					
92.8				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-92.8m)	89.8							
93.8				wk to mod Co 1	93.8							
98.4				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-98.4m)	98.4							
98.5				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-98.5m)	CC-2							
98.5				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-98.5m)	98.5							
99.4				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-99.4m)	99.4							
102.4				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-102.4m)	pat. Co 1-2							
102.4				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-102.4m)	99.4m							
103.4				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-103.4m)	por. Co 1-2							
103.4				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-103.4m)	102.4m							
104.9				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-104.9m)	104.9m							
104.9				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-104.9m)	por. Co 2							
104.9				gn var Co alt. mass-wk ves. B.l. ± local b. k interpillow chert. (86.1-104.9m)	104.9m							

BRACKEN GROUND 91.5-91.9m

schistose brecciated
ground
91.2-91.5m.
b.d 92.6 m.

strongly pillowed
91.1-91.5m

Coalt B.l.b. ± Co
mtk k Py/Sph/Sp
min.
102.2-102.7m.

mnr Sph discs
& veinlets or rim
to interpillow chert
& associated
± Co veins to shvs.

mnr disc Py in
interpillow chert
& massive B.l.

disc Py/Sph/Sp min ±
Co mtk in breccia.

mod to wk Co v ksh
Co infill of vesicles.

PROJECT : MACKINTOSH LA 106/187
 PROSPECT : MI CHARLIE SOUTH

Aberfoyle Resources Limited
 EXPLORATION DIVISION
DIAMOND DRILL LOG

HOLE NO: MAC-25
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 LOGGED: RSH
 DATE: 4/4/90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
76				gn mac. to blk ves B.I. ± interpillow chert & calc. v. & sh. (104.9 - 109.0m)	patchy Ca 1-2							
77	10.0				100.0							
78												
79	10.0											
80												
81												
82												
83	12.0											
84				gn mac-ves B.I. ± int. Ca alk. & interpillow chert. blk to str Ca v. & sh. ± min Py & Sph or disc & veinlets. locally associated with Ca alk. (100.0 - 121.5m)	patchy Ca 1	mod to str Ca v. sh. min calc. v. (to 5cm thick)	min Sph. associated with interpillow chert as discontinuities on chert margins.	locally, likely to be with Ca/min. Sph alk.				
85	12.0											
86												
87												
88	16.0											
89												
90												
91												
92												
93	12.0											
94												
95	12.0											
96												
97												
98												
99												
100												
101												
102	12.0											
103												
104												
105	12.0											
106												
107												
108												
109												
110												
111												
112												
113												
114												
115												
116												
117												
118												
119												
120												
121												
122												
123												
124												
125												
126												

121.5m
 125.38m
 SPILL CORE
 125.38m

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : Mackintosh CL 106/87

PROSPECT : NK CHARLES SOUTH

HOLE NO : MAC-25

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LOGGED : RJA

DATE : 1/1/90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
148				gn wk sch, wk var B.1/Cc 1-2 (patchy) ± Co k calccl v k stn.	Sa1-2 all of same to. clastic @ 150.3 patch. Cc 1-2 all.	wk to med Cc v k stn		locally b. ± Cc mtk 144.7 - 146.0 m				
149												
150												
151												
152												
153												
154												
155												
156												
157				gn B.1/D.1 vcl. ± Py as vcl mtk (NK CHARLES HORIZON) (156.2 - 156.33 m) Petrograph @ 156.3 m (#562248)	156.2	156.2 156.32	156.2 156.32 Py min as vcl mtk	med. b. ± Cc mtk 152.3 - 152.6 m				
158				gn mac D.1. ± mnr calc Cc v. v. v. v. v. (156.33 - 156.9 m)			mnr calc v	b. ± Cc mtk 154.3 - 155.0 m				
159				gn mac D.1. p. l. ± patch sil. k mnr v calc. (156.9 - 164.3 m)	156.9			dr. vesicular 155.0 - 155.9 m				
160												
161												
162												
163												
164												
165												
166				patch gn mac D.1. (Si 2-4. ± mnr calccl v. v. v. (164.3 - 170.2 m)	164.3	164.2						
167												
168												
169												
170												

SPLIT

157.0m ORIENTATION

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DIAMOND DRILL LOG

PROJECT : MACKINTOSH LU 106187

PROSPECT : MT CHARLES SOUTH

HOLE NO: MAC-25

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DATE: 6/4/90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
0					as for strike			as for strike				
10												
15												
20												
25												
30												
35												
40												
45												
50												
55												
60												
65												
70												
75												
80												
85												
90												
95												
100												
105												
110												
115												
120												
125												
130												
135												
140												
145												
150												
155												
160												
165												
170												
175												
180												
185												
190												
195												
200												
205												
210												
215												
220												
225												
230												
235												
240												
245												
250												
255												
260												
265												
270												
275												
280												
285												
290												
295												
300												

gn-pk mac f.p. D1/D1.b. ±
wtr v.c.
(192.2-198.5m)

pk-gn D1/D1.b.
± Q/C/ce veining and
wtr silicification
(198.5-201.7m)

gn sch D1. ± mod ce v. sch
w. cl. det. on clean surf.
(201.7-203.2m)

gn mac D1.
(203.2-203.6m)

gn-pk sil. D1. ± Q/C/ce v.
(203.6-211.5m)

as for strike

192.3m
wk mtr v.c.

198.5
wk patch sil.
201.7m

wk siliceous sil-2

201.7
cl alt k det. on
cleared surfaces.
203.2

perd sil-2 alt.

as for strike

201.7

mod Q/C/wtr ce
v. sch 20° to LCA

201.7
mod ce v. sch w.
203.2

il. spread Q/C/ce
veins (to 1cm thick)
wtr ce v.

as for strike

192.3
wk sch.
wk b.

198.5

wk schistose
wk bracciated
tautobaccia?

201.7
± 201.7-203.2m
20° to LCA
(D1/D1.2 w.c.)
203.2

wk schistose
in places

Broken Grounds 201.7 - 203.2 m.

196.6 m orientation

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : MACLINKOST 42 106/87

PROSPECT : MT CHARLES SOUTH

HOLE NO : MAC-25

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DATE : 10/4/00

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	RE MARKS	DEPTH
			ROCK NAME	DESCRIPTION								
214												
215	214.9											
216												
217												
218	217.9											
219												
220												
221												
222												
223	222.9											
224												
225												
226												
227	226.9											
228												
229												
230												
231	230.9											
232												
233	232.9											
234												

as for sheet 13

as for sheet 13

as for sheet 13

pk -gn mottled D.vcl. & mac
w/ sp to strip clasts in a
gn sp mte. Mr Alce v.
(231.4 - 234.4m)

Q1-2 alteration of
mtx - g' msc

mr Alce v.

fr. disc Pg.

236.9 m orientated

PROJECT : MACLINKIEH KLDG/87
 PROSPECT : MT CAROLINE SOUTH.

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 EXPLORATION DIVISION
DIAMOND DRILL LOG

HOLE NO: MAC-26
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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
216												
217	216.0											
218												
219												
220												
221	219.0			gn - plk mass f. p. D.1/D.1.ub.1. = mmr Ce v ksch (304.0 - 321.8m)	porphy (clast/mix rel.) Cl-2. Q1 alt. #							
222	221.0											
223												
224												
225												
226	225.0											
227												
228												
229	228.0											
230												
231												
232	231.0											
233												
234												
235	234.0											
236												

gn - plk mass f. p. D.1/D.1.ub.1.
= mmr Ce v ksch
(304.0 - 321.8m)

porphy (clast/mix rel.)
Cl-2. Q1 alt. #

ulk Ce varix k. shd.
'wispy' varixlets.
Ce shd mix to b.

tr. disc Pg.

ulk. local b.
k ulk schistose
in places

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : MACKINTOSH EL 106/87

PROSPECT : MT CHARLES SOUTH.

HOLE NO : MAC-25

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DATE : 11/4/90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
400												
401	400.7											
402												
403												
404	403.2											
405												
406												
407	405.0											
408												
409												
410	408.0											
411												
412												
413	412.6											
414												
415												
416	415.7											
417												
418												
419	418.8											
420												

PERIODICITY @ 402.0m (#SL2455 P)

as for sheet 10

as for sheet 10

pale gn D.I. / Si 2-3
± mnv Qlce u
(401.6 - 408.0m)

401.6
Si 2-3 alt h

401.6
mnv Qlce u
str Qlcl/ce v @
408.0m.

gn mass f.p. D.I. / Si 1-2, Cl 2

408.0
Der. Si 1-2, Cl 2 alt h

408.0
mass Ql mnv Cl v.

gn str sch f.p. D.I. ± str Cl/als
k Ql mnv Cl v.
FAULT ZONE
(410.3 - 412.1m)

410.3
str Qlcl/als dngl.
on cleav. surfaces

410.3
dngl Ql mnv Cl v.

410.3
str sch.
410.3-412.1m
D ~ 20° to LCA
[alt D.I.]
412.1

pk-gn f.p. mass D.I. ± mnv
D.I. vcl k mnv Ql Cl v.
(412.1 - 424.4m)

412.1m

412.1

peri. to patchy
Cl 1-2 alt h

mnv f. ce sch
& Qlce u.

alt schidose

Broken Ground 410.3 - 412.1m.

406.0m ORIENTATION

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EXPLORATION DIVISION

DIAMOND DRILL LOG

PROJECT : MACKINTOSH EL 106187

PROSPECT : MT CHARLES SOUTH

HOLE NO: MAC-25

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LOGGED: RH

DATE: 12/1/90

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION	VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION								
484												
485												
486												
487												
488												
489												
490												
491												
492												
493												
494												
495												
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589												
590												
591												
592												
593												
594												
595												
596												
597												
598												
599												
600												

Petrologist @ 486.9m (#S2451P)

bk-gy slab Gnd to bk granitic sh.
± v. calc.
(489.9 - 502.9m)

shd calc alt. ± v. calc
@ 500.3m.

petrologist @ 502.6m (#S2455P)

as for sheet 23.

489.9

shd calc to
calc v. as 'enprint'
on cleavage.
min calc sh.

as for sheet 23

489.9

mod to sh
schistose.
f 493.9
@ 50° to 60°
[calc to sh]

NOTE:
#S2451P has been Petrographically
identified as a tuffaceous
epiclastic sediment derived from
Pleistocene volcanics. → tuffaceous
sandstone.

NOTE:
#S2455P has been identified
as greywacke derived from
Pleistocene volcanics with some
detrital volcanic quartz
→ correlate of Arundel Creek GLENNWATER

