

LOGGED BY

MINERALIZATION

TRACE 1-5%
COMMON 5-15%
ABUNDANT 15-60%
MASSIVE > 60%

DATE 23-1-84

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
		TRICONED							
	6.5							6.5	
1.4	7.9	green - pale yellow strongly weathered possibly carbonate altered very coarse							Py 21%
28									
1.1	9.0	polymictic epiclastic, fragments size ranges from 10cm to ~ 1cm, with							
11									
1.6	10.6	shape varying from subangular to subrounded. The core is very							
103									
.9	11.5	broken							
68									
1.5	13.0								
84									
1.5	14.5								
90									
1.6	16.1								
106									
1.4	17.5								
87									
1.5	19.0								
50									
.9	19.9								
12									
.6	20.50								
33									
1.6	22.1								
97									
1.4	23.5								
58									
1.2	23.6	relatively unweathered grey-pale grey carbonate altered vesicular Andesite lava; single fragment of Illite Hydromuscovite observed						23.6	Py 10%
26	24.7								

HQ
CORE

Py 21%

Py 10%

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
3-1		very fine grey pink? veinlets occur throughout increasing with depth							
232	27.8								
1.5									
84	29.3								
.7									
15	30.0								
1-2		minor occasionally wiggly quartz veins and veinlets							
15	31.2								
1.1									
0.5	32.3								
.6									
0	32.9								
.9									
28	33.8								
1.6									
77									
1.6	35.4								
14									
1.4	37.0								
24		Andesite becomes more of a pale brown - buff colour possible reflecting an increase in carbonate, with fine green chlorite fractures and dark grey alteration veins							
.7	38.4								
0	39.1								
1.1									
20	40.2								
1.1									
10	41.3								
1.3									
28	42.6								
1.3									
59	43.9								
.3									
0	44.7								
1.5									
1.6									
0.5	46.2								
.8	46.7								
0									
0.3	47.5								
1.9									
1.3	49	Ground is extremely broken Position of contact uncertain ---?---							

Py 10%

c/L .5

1m cl

1.2m cl

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A 04457 (b)	CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	10	50.3	broken ground							
	29	51.0	green sericite/chlorite altered coarse polymictic							
	0.7	51.5	reworked pyroclastic fragments are							
	0.5	52.0	Subrounded - rounded, minor reworked							
	0.9	52.9	pyrite,							
	0.8	53.7	fragment are up to 5cm and							
	18	53.7	oriented ~40° to the CA,							
	2.2		a 10cm nodular carbonate alteration							
	134	55.9	zone occurs at 54.3m							
	10	56.5								
	34	57.5								
	1.2									
	42	58.7								
	1.4									
	10									
	9	60.1								
	12	61								
	1.0									
	0	62								
	0.8									
	12	62.8								
	0.9									
	0	63.7	Ground extremely							
	0.9		broken.							
	0	64.6								
	1.4									
	0	66								
	1.8									
	0	66.8								
	0.9									
	0	67.7								
	0.7									
	0	68.4								
	1.3									
	0	69.7	11% Hydromuscovite appear within a fracture							
	0.9		with carbonate alteration							
	20	70.6								
	0.7									
	0	71.3								
	0.6									
	0	71.9								
	0.6									
	0	72.5								
	0.9									
	23	73.4								
	0.6									
	0	74								
	0.6									
	0	74.6								
	0.6									

Py < 1%

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A 04457 (D)	CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	0.5	75.2								
	10	75.7								
	0.6									
	0.7	76.3								
	0									
	0.9	77								
	0									
	0.4	77.9								
	0.7	78.3								
	0.5	79								
	0.7	79.5								
	20									
	0.6	80.20								
	0									
	0.7	80.8								
	0									
	0.7	81.50								
	0.6	82.2								
	15									
	0.7	82.8								
	20									
	0.8	83.50								
	0									
CL 0.5m	7.62	84.3								
	0									
	0.5	85.5								
	0									
	0.7	86								
	10									
	1.0	86.7								
	0									
	0.4	87.7								
	0.6	88.2								
	0.2	88.8								
	0.9	89.10								
	0									
	0.8	90								
	0									
	0.5	90.8								
	0									
	0.8	91.3								
	0									
	0.6	92.10								
CL 0.7m	0									
	0.8	92.7								
	0									
	0.8	94.2								
	0									
	0.7	95								
	0.6	95.7								
	0.2									
	0.7	96.5								
	0									
	1.0	97.2								
	18	97.3								
	1.5	98.3								
	11.3	99.8								

fragments have become more rounded and smaller to 2cm and more even grained, also an increase porous, pumiceous rock and dark fragments

g 1/2

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
1.6									
145	126.4		c						
1.5			c						
136	127.9							128	
1.6		green silica carbonate altered polymineralic epidiastitic, large rounded Pacific fragments, small silica veinlets, Plaque fragments are up to 4cm, matrix is strongly chlorite altered, however fragment textures can be seen. rare reworked pyrite.							by L196
148	129.5								
1.6									
82	131.1								
1.5									
86	132.6								
1.6									
117	134.2								
8									
72	135								
3.1		Pacific fragments increase in size and abundance, and commonly contain amygdaloidal quartz							
250	138.1								
3.1									
262									
.6	141.2								
12	141.8								
.9									
40	142.7								
2.2		Sericite alteration becomes common, Pacific fragments are more angular							
213	144.9								
3.0		147.4-147.55 - large Pacific fragment							
180	147.9								
1.4									
75	149.3								
1.1									

CASING NO
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LOGGED BY S9F

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MASSIVE > 60%

DATE

A 04457 (b)	CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
	27	200.7								
	44	201.2								
	1.2	201.9	pale grey Illite / Hydromuscovite / silica.						201.75	
	74	203.1	altered Dacite, occasionally sericite							Py ~ 70%
	29	204	altered, brecciation of the Dacite							
	2.7	204.15	Strong Illite / Hydromuscovite / carbonate alteration with silica veins, original texture is obscured by the alteration							Py ~ 5%
	216	206.7								
	3.1									
	278	209.8								
	3.1									
	267	212.9	Pale grey-greenish grey carbonate / silica altered LTP / SP, fragments and angular and commonly flattened						211.75	
	3.1									
	274	216	Grey polymictic sericite altered RNP with fragments of Illite / Hydromuscovite large Pacific fragments are angular to 10cm, unit become coarser with depth						213.9	
	2.7									
	220	218.7	Pale grey sericite / Illite / Hydromusc. alt fine py brecciated Dacite						218.35 218.65	
	1.6									
	69	220.3	Grey sericite / silica alt polymictic coarse fragmental, possibly epictastic, fragments are angular, with minor chert and Illite / Hydromuscovite							
	2.2									
	167	222.5	Pale grey pelitic alt D breccia occurs within fractures Grey fine gr polymictic RNP						221.2 221.6 222.2	Py 3-4%
	2.4									
	190	224.9	Pale grey silica / ser / Illite / Hydromuscovite altered rock, primary texture is obscured by the alteration							
			FAULTED CONTACT 1cm thick.						224.9	

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m	MINERALIZATION
				TRACE	COMMON	ABUNDANT		
16	225.6	Dark grey Illite/Hydromuscovite/Carbonate altered rock. Vague outlines of Dacite fragments are visible, quartz filled amygdaloids and carbonate veining						Py 5-10
13.5	226.1							
2.3								
170	229.4						228.5	
2.5		Pale-dark grey carbonate altered finely brecciated Dacite, c Illite/Hydromuscovite, breccia texture become stronger with depth, amygdoloidal quartz is common						Py 5-10%
183	230.9							
28	231.7							
1.7								
120	233.4	dark grey silica/carbonate altered silica/carb. vein. Polymictic reworked pyroclastic, fragments are rounded, up to 5cm, finer grained nature suggest water lens epiclastic						Py 10-15%
1.6								
55	235							
20	235.6							
0.4	236							
3.5		grey strongly sericite/silica altered reworked pyroclastic, c large silica veins						Py 20-25% 3 crystal Sphalerite
168	239.5	grey green sericite/silica/carbonate altered fragmented Volcaniclastic possibly brecciated Dacite fragments are close spaced and angular c silica/carbonate veins and rare Illite Hydromuscovite						Py 5%
3.1								
290	242.6							266.6
2.4								
204	245							
3.1								
238	248.1							
1.8								
164	249.9							

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m	MINERALIZATION
				TRACE	COMMON	ABUNDANT		
3.0								
242	252.9							Py 50%
3.0								
201	255.9							
3.0								
272	258.9							Veins of semi-massive py 35-40%
2.4								
150	261.3	Grey sericite/silical carbonate altered Polymictic reworked pyroclastic						Py 5-10%
2.2								
85	263.5	late green carbonate/sericite altered Pumiceous pyroclastic/Lapilli tuff Py stringer veins occur throughout the unit along with quartz vein, unit appear porphyritic						Veins of pyrite + chert Py 10-15%
3.1								
283	266.6							
3.1								
286	269.7							
3.1								
238	272.8							
.9								
20	273.7	Initially buff-grey green sericite/carbonate/silica altered lapilli tuff. Large dacite fragments are initially unaltered, but become increasingly altered with depth, sericite veins are common, silica veins are common						Py 10-15%
1.4								

cl. 7

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CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m	MINERALIZATION
				TRACE	COMMON	ABUNDANT		
	275.7 275.4 275.7	body broken ground 273.7-276.0, pug @ 275 m possible small reworked unit					276	
30		grey sericite / carbonate altered dacite breccia, fine 'pull apart' textures are filled with pyrite, numerous fine fracture faults						Ry 5%
151	278.9							
1.2								
56	279.9							
2.4							280.3	
123	282.3	grey strongly sericite / carbonate / (silica) altered Lapilli tuff, numerous sericite veins and veinlets @ 45° to CA, occasionally appear porphyritic with rare illite hydromuscovite fragments are angular, occasionally up to 7cm						Ry 5%
2.3								
111	284.6							
3.0								
26.8	287.6							
3.2								
28.7	290.8							
3.1								
29.6	295.9							
2.0								
17.0	295.9							
3.1								
23.1	299						297.85	
1.4		grey-brown carbonate altered porphyritic dacite ○ illite hydromuscovite						Ry 5-10%

Sericite

DIAMOND DRILL LOG

HOLE No. 04-1

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DATE

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ABUNDANT 15-60%
MASSIVE > 60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	MINERALIZATION			DEPTH m	MINERALIZATION
				TRACE	COMMON	ABUNDANT		
	30	EOH					300	

A 04457 (b)