614082

DRILL LOG COVER SHEET

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-2
Co-ordinates: **E** 363605 **N** 5310322 **Logged by:** Luke Vanzino

RL Collar: 25mASL

Azimuth: 29m/277g
Inclination: -45deg
Depth: 361.2

Hole Size:

	FROM	TO
HQ	0	210
NQ	210	261.2

Commenced: 02 June 1999
Completed: 19 June 1999
Drillers: DDT - Jamie Kaye/Justin
Drill Type: LF70
Comments:

GEOLOGICAL LOG

Project:	**Cape Sorell**	**Exploration Licence:**	**EL10/97**
Prospect:	**Pelias Cove**	**Hole Number:**	**PC-2**
Logged By:	**Luke Vanzino**		

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
0	0	2.5	0	**0-2.6m**: White surficial clays with quartz fluviatile pebbles. Extensive Core Loss.		0	
1	2.5	4.7	36			0	
2				**2.6-5.0m:** SANDSTONE. 1/4-1/2mm medium grained, poor consolidated.		0	
3						0	
4	4.7	7.7	30			0	
5				**5.0-12.0m**: SILTSTONE. Cream pale brown in colour, laminated.		0	
6						0	
7	7.7	10.7	83			0	
8						0	
9						0	
10	10.7	13.7	36			0	
11						0	
12				**12.0-15.0m**: UNCONSOLIDATED. Sand, silt and clay.		0	
13						0	
14	13.7	15	84			0	
15	15	16.7	88	**15.0-25.7m:** SILTSTONE. Cream pale brown in colour, laminated.		0	
16	16.7	19.7	70			0	
17						0	
18						0	
19	19.7	20.6	100			0	
20	20.6	22.7	100			0	
21						0	
22	22.7	25.7	46			0	
23						0	
24						0	
25	25.7	27.9	100	**25.7-27.6m**: UNCONSOLIDATED. Sand, silt and clay.		0	
26						0	
27	27.9	30	100	**27.6-28.25m**: SANDSTONE. Subrounded to subangular, fire 1/8 to 1/4mm.		0	

614083

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
28				**28.25-51.90m:** SILTSTONE. Cream pale brown in colour, laminated.		0	
29						0	
30	30	31.7	100			0	
31	31.7	34.4	40			0	
32						0	
33						0	
34	34.4	36.3	100			0	
35						0	
36	36.3	39.2	61			0	
37						0	
38						0	
39	39.2	41.4	40			0	
40						0	HQ Drill string snapped @ 40m. 170m of HQ rods in hole (40m-210m)
41	41.4	43.7	65			0	
42						0	
43	43.7	44.9	100			0	
44						0	
45	44.9	46.7	77			0	
46	46.7	49.7	100		CB 55deg	0	
47						0	
48						0	
49	49.7	52.7	48			0	
50						0	
51				**51.9-61.9m**: BRECCIA. Sedimentary breccia, poortly sorted, polymictic with sedimentary clasts, matrix supported. Clasts range from granule to pebble size in a poor to moderately consolidated matrix of clay and silt.		0	Camera Shot - Dip 47deg Az 287grid/274mag
52	52.7	55.7	93			0	@52.90m - 10cm quartz vein.
53						0	
54						0	
55	55.7	58.5	42			0	
56						0	
57						0	
58	58.5	60.7	100			0	
59						0	
60	60.7	61.8	100			0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
61	61.8	62.9	100	**61.9-72.4m**: SILTSTONE. Poorly consolidated, cream pale brown in colour, laminated.		0	
62	62.9	64.4	100			0	
63					CB 30deg	0	
64	64.4	66.1	100			0	
65						0	
66	66.1	67.7	100			0	
67	67.7	70.4	100			0	
68						0	
69					CB 45deg	0	
70	70.4	72.4	100			0	
71						0	
72	72.4	75.5	77	**72.4-75.5m**: BRECCIA. Poorly consolidated, cream pale brown in colour, laminated.		0	
73						0	
74						0	
75	75.5	78.1	100	**75.5-123.8m**: SILTSTONE. Poorly consolidated, variably ferruginous, ochre to orange brown in colour, variable fine laminations with subordinate sandstone bands. Poorly consolidated, subangular, fine grained and poorly sorted. Quartz, mica and lithic components.		0	
76						0	
77						0	
78	78.1	79.7	100			0	
79	79.7	82.3	57			0	
80						0	
81						0	
82	82.3	85	100			0	
83						0	
84						0	
85	85	87.1	85			0	
86						0	
87	87.1	89.1	65			0	
88						0	
89	89.1	90.2	100			0	
90	90.2	92.3	95			0	
91						0	
92	92.3	93.8	100		CB 55deg	0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
93	93.8	95.8				0	
94						0	
95	95.8	97.7	100			0	
96						0	
97	97.7	100.4	100			0	
98						0	
99						0	
100	100.4	103.2	75			0	Camera shot @ 101m - Dip 48deg Az 283grid 270m
101						0	@101-101.10 thin sedimentary breccia band.
102						0	
103	103.2	104.5	100			0	
104	104.5	106.7	95			0	
105						0	
106	106.7	108.4	82			0	
107						0	
108	108.4	110.6	100			0	
109						0	
110	110.6	112.7	95			0	
111						0	
112	112.7	114.3	100			0	
113						0	
114	114.3	117.2	100			0	
115						0	
116						0	
117	117.2	120.3	93			0	
118						0	
119					CB 40deg	0	
120	120.3	123.3	93		CVA 35deg	0	@120m, small interval of talcose clay @120.95 - 5cm wide qtz vein with remnant leach voids
121					CBA 85deg	14	@121.95 - 5cm wide qtz vein with remnant leach voids with zone of wall rock siliafication characterised by coarsely, crystalline euhedral quartz. Zone width 120.7-123.3m.
122						5	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
123	123.3	125.6	100	**123.8-127.7m:** BRECCIA. Poor consolidated *sedimentary breccia, poorly sorted, polymictic* with sedimentary clasts, matrix supported. Clasts range from granule to pebble size in a poor to moderately consolidated matrix of clay and silt.		0	
124						11	
125	125.6	127.7	96			9	
126						0	
127	1127.7	129.8	90	**127.7-130.9m:** SILTSTONE. Ferruginous, mottled in colour poorly consolidated.		8	
128						7	
129	129.8	131.9	100			0	
130				**130.9-132.9m:** SANDSTONE. Subangular, fine to medium, quartz rich.	CVA 65deg	0	@130.8 1cm wide euhedral quartz vein.
131	131.8	133.7	100			1	
132				**132.9-151.3**m: SILTSTONE. Poorly consolidated, ferruginous laminated.		15	
133	133.7	136.2	100			0	
134						40	
135						2	
136	136.2	138	100			0	
137						0	
138	138	139.7	100		CB 45deg	0	
139	139.7	142.4	91			0	
140						0	
141						0	
142	142.4	145.5	74			0	
143						0	
144						0	
145	145.5	148	100			11	
146					CVA Not Determ.	0	@146.20m 20cm euhedral quartz vein with leach voids (after carb?)
147						0	
148	148	151.1	93		CVA 75deg	0	@148.05 15cm euhedral quartz vein with leach voids (after carbz?)
149						0	
150						0	
151	151.1	156.7	100	**151.3-152.15**m: SANDSTONE. Pale grey subangular, fine to medium, quartz rich.		0	Camera shot Dip 48deg Az 279Grid/266Mag

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
152				**152.15-156.7m:** SILTSTONE. Ferruginous, mottled, mid orange brown.		0	
153						0	
154						0	
155						0	
156	156.7	159.8	100	**156.7-181.7m:** ALTERED SILTSTONE. First appearance of talc alteration at 156.7.		0	
157				@156.7-166.0 whitish pale brown alteration obscures lamination.		0	
158						0	
159	159.8	161.7	100			0	
160						0	
161	161.7	163.6	73			0	
162						0	
163	163.6	166.7	100			0	
164						0	
165						0	
166	166.7	169.7	100			0	
167						0	
168						0	
169	169.7	172.7	100			0	
170						0	
171						0	
172	172.7	175.7	100			0	
173						0	
174						0	
175	175.7	178.7	100			11	
176						29	
177						2	
178	178.7	181.7	100			0	
179						0	
180					CB 45deg	4	
181	181.7	184.7	100	**181.7-353.47m:** Zone intense, pervasive silica-talc alteration. Silica flooding has totally obscured the siltstone protolith. Brecciation noted throughout the interval plus a late stage post brecciation/alteration quartz veining event. (dolomitic siltst protolith??)		0	At hand specimen scale the rock displays brecciation of the protolith, with the individual clasts being intensely silicified and the interstitial area composed of silica and talc.
182						0	
183						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
184	184.7	187.7	100			1	
185						1	
186						0	
187	187.7	190.7	100			25	
188						7	
189						0	
190	190.7	193.2	96			1	
191						6	@191-192.1 Yellow ochre, ferruginous zone.
192						2	
193	193.2	196.3	100			8	
194						12	
195						11	@195.5-198.85 Yellow ochre, ferrignous zone.
196	196.3	199.4	100			5	
197						0	
198						1	
199	199.4	202.5	100			0	
200						38	*@200.3-200.8 Yellow ochre, ferruginous* zone.
201						4	
202	202.5	205.6	96			1	
203						0	
204						0	
205	205.6	208.7	100			0	
206						0	
207						0	Camera shot - Dip 49deg Az 381grid/268deg mag
208	208.7	209.8	100			0	
209	209.8	211.7	100			0	
210						5	Sample for thin section @210.35. Wte, pervasive altd rock, dolomitic sltst protolith?
211	211.7	214.7	100			8	
212						13	
213						1	
214	214.7	217.7	100			0	
215						0	
216						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
217	217.7	218.9	100			0	
218	218.9	222.2	97			0	
219						0	
220						0	
221						0	
222	222.2	225.5	94			0	
223						0	@223.3-223.8 Yellow ochre, ferruginous zone. Sample for thin section @ 223.45.
224						0	@224.4-224.7 Yellow ochre, ferruginous zone.
225	225.5	228.6	100			0	
226						0	
227						0	@227.1-227.6 Yellow ochre, ferruginous zone.
228	228.6	228.8	100			0	
229	228.8	231.9	100			0	
230						0	
231	231.9	235.1	100			0	
232						0	
233						0	
234						0	
235	235.1	238.2	100			0	
236						0	
237						0	
238	238.2	241.3	100			0	
239						1	
240						0	
241	241.3	244.4	100			0	@241.85-242.30 Yellow ochre, ferruginous zone.
242						0	
243						0	
244	244.4	247.5	100			0	
245						0	
246						0	
247	247.5	250.7	96			0	
248						0	
249						0	
250	250.7	253.7	100			1	
251						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
252						10	
253	253.7	256.7	100			0	
254						0	
255						0	Camera Shot - Dip 49deg Az 281grid 268mag
256	2556.7	259.7	96			0	
257						1	
258						1	@258.1-258.25 Yellow ochre, ferruginous zone.
259	259.7	262.7	100			1	
260						12	
261						2	
262	262.7	265.7	100			16	
263						7	
264						4	
265	265.7	267.1	100			1	
266						0	
267	267.1	270.2	100			0	
268						1	
269						0	
270	270.2	270.4	100			1	
271	270.4	273.5	100			0	
272						1	
273	273.5	276.6	100			2	
274						4	
275						0	
276	276.6	279.7	100			0	
277						0	
278						0	
279	279.7	282.8	100			0	
280						0	
281						0	
282	282.8	285.9	100			0	
283						0	
284						0	
285	285.9	289.2	94			0	
286						0	
287						2	
288						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
289	289.2	292.3	100			0	
290						0	
291						2	
292	292.3	295.4	100			0	
293						0	
294						0	
295	295.4	295.7	66			18	
296	295.7	298.7	100			0	
297						0	
298	298.7	301.7	100			0	
299						0	
300						0	
301	301.7	304.7	100			0	
302						0	
303						0	
304	304.7	307.7	100			0	
305						0	
306						0	Camera shot - Dip49deg Az 283grid/270mag
307	307.7	310.7	100			0	
308						0	
309						0	
310	310.7	313.7	100			0	
311						0	
312						0	
313	313.7	316.7	100			0	
314						0	
315						0	
316	316.7	319.7	100			0	
317						0	
318						0	
319	319.7	322.7	100			0	
320						0	
321						0	
322	322.7	325.7	100			0	
323						0	
324						0	
325	325.7	328.7	100			0	
326						0	
327						0	

614092

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
328	328.7	331.7	100			0	
329						0	
330						0	
331	331.7	334.7	100			0	
332						0	
333						0	
334	334.7	337.7	100			0	
335						0	
336						0	
337	337.7	340.7	100			0	
338						0	
339						0	
340	340.7	343.7	93			0	
341						0	
342						0	
343	343.7	346.7	100			0	
344						0	
345						0	
346	346.7	349.7	100		CVA 75deg	0	@346.2-353.47 Late stage, milky white quartz veining.
347						0	
348						0	
349	349.7	352.7	100			0	@349.15-249.55 Very fine pyrite along bedding/cleavage planes.
350						0	
351						0	
352	352.7	355	86			0	
353				**353.47-361.2m:** PELITE. Dark grey pelite exhibiting a mineral grain lineation of elongated quartz grains (metamorphic??) defining a distinct preferred orientation parallel to bedding.		0	
354						0	
355	355	358.1	100			0	
356					CB 40deg	0	
357						0	
358	358.1	361.2	100			0	
359						0	
360						0	Camera shot - Dip 48deg Az 287grid/274mag

614093

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
361				**361.2m: END OF HOLE**		0	End of hole 361.2m - Slotted ploypipe in the hole for possible downhole EM.