

Appendix 2: Details of samples

Bandeira Gorge: Unit 1 of Bandeira Group (Locality 1, Fig. 1)

Project No.	Field Number	UWA Collection No.	Lat. (°S)	Long. (°E)	Sample type	Rock type (position in any section)
1	10_6_10_2	158445	8.91612	125.42405	TS, AP	Rudstone
2	10_6_10_3	158446	8.91612	125.42405	AP	Rudstone
3	10_6_10_4	158447	8.91612	125.42405	TS, AP	Rudstone
4	10_6_10_5	158448	8.91612	125.42405	TS, AP	Sandstone
5	10_6_10_6	158449	8.91697	125.42838	AP	Peloidal grainstone
6	10_6_10_7	158450	8.91644	125.42853	AP	Rudstone
7	11_6_10_1	158452	8.91628	125.4305	AP	Rudstone
8	19_5_10_1	158370	8.91637	125.42342	AP	Rudstone
9	19_5_10_2	158371	8.9168	125.42367	AP	Rudstone
10	19_5_10_2b	158372	8.9168	125.42367	AP	Rudstone
11	19_6_10_2	158482	8.91569	125.42244	AP	Rudstone
12	19_6_10_3	158483	8.91502	125.42072	TS, AP	Floatstone
13	20_6_10_1	158486	8.91496	125.42023	TS, AP	coarse grainstone to rudstone
14	20_6_10_2	158487	8.91496	125.42023	TS, AP	Rudstone
15	22_5_10_6	158394	8.91502	125.42052	AP	Rudstone
16	22_5_10_7	158395	8.91495	125.42033	AP	Rudstone
17	29_5_10_1		8.91612	125.42405	AP	Rudstone
18	JB_1		8.915671	125.42494	TS, AP	Rudstone
19	T2_JB		8.915671	125.42494	AP	Rudstone

Bandeira Gorge: Unit 3 of Bandeira Group (Locality 1, Fig. 1)

Project No.	Field Number		Lat. (°S)	Long. (°E)	Prep. type	Rock type (position in any section)
20	10_6_10_8	158451	8.913867	125.4321	TS, AP	Coquinite of brachiopod and bivalve shell fragments
21	10_6_10_9		8.913867	125.4321	AP	Floatstone with large calcareous sponges in peloidal grainstone
22	16_6_10_1	158465	8.91472	125.43142	TS, AP	79.6 m above base of section (at co-ordinates); peloidal grainstone and packstone
23	16_6_10_3	158467	8.91472	125.43142	TS, AP	69.3 m above base of section (at co-ordinates); peloidal grainstone and packstone
24	16_6_10_4	158468	8.91472	125.43142	TS, AP	59.7 m above base of section (at co-ordinates); wackestone with scattered fine skeletal debris
25	16_6_10_5	158469	8.91472	125.43142	TS, AP	48.2 m above base of section (at co-ordinates); wackestone
26	19_5_10_3	158373	8.9142	125.42168	AP	wackestone alternating with peloidal grainstone (cm-scale layering)
27	19_5_10_4	158374	8.91318	125.42028	AP	wackestone with scattered fine skeletal debris
28	24_5_10_9	158408	8.91418	125.4306	AP	wackestone with scattered fine skeletal debris
29	27_5_10_4	158425	8.91382	125.43382	AP	wackestone with scattered fine skeletal debris
30	27_5_10_5	158426	8.91323	125.43438	AP	wackestone with scattered fine skeletal debris
31	30_5_10_1	158436	8.914333	125.43137	AP	wackestone alternating with peloidal grainstone (cm-scale layering)
32	30_5_10_3	158438	8.913867	125.4321	AP	wackestone with scattered fine skeletal debris
33	A7012A	144199	8.91461	125.42158	AP, acid res.	wackestone with scattered fine skeletal debris

Bandeira Gorge: Unit 5 of Bandeira Group (Locality 1, Fig. 1)

Project No.	Field Number		Lat. (°S)	Long. (°E)	Sample type	Rock type (position in any section)
34	20_5_10_1	158380	8.90308	125.41732	AP	Rudstone
35	20_5_10_2	158381	8.90327	125.41773	AP	Rudstone
36	20_5_10_3	158383/158384	8.90347	125.42045	AP	Coarse grainstone
37	20_5_10_5	158386	8.90237	125.41743	AP	Rudstone
38	23_6_10_7	158510	8.91058	125.42351	AP	Rudstone
39	24_5_10_15	158411	8.91088	125.42975	AP	Rudstone
40	28_5_10_6	158432	8.910633	125.42677	AP	Rudstone (recrystallized)

Bandeira Gorge: samples from southern side of Gorge (Locality 1, Fig. 1)

Project No.	Field Number		Lat. (°S)	Long. (°E)	Sample type	Rock type (position in any section)
41	21_6_10_1	158490	8.91961	125.42025	AP	Wackestone with scattered skeletal debris
42	21_6_10_3	158492	8.92053	125.42121	AP	Wackestone with scattered skeletal debris and grainstone patches
43	22_6_10_2	158498	8.9186	125.4237	AP	Rudstone
44	22_6_10_3	158499	8.91942	125.42377	AP	Rudstone
45	22_6_10_4	158500	8.91953	125.42429	AP	Rudstone
46	22_6_10_5	158501	8.92014	125.42393	AP	Rudstone
47	22_6_10_6	158502	8.92097	125.43006	AP	Rudstone

Loelaco Mountain (Locality 3, Fig. 1)

Project No.	Field Number		Lat. (°S)	Long. (°E)	Sample type	Rock type (position in any section)
135	AB452	170793	8.98661	125.27469	AP	Rudstone
136	AB474	170808	8.96113	125.28029	AP	Rudstone
137	AB648	170930	8.95129	125.27929	AP	Rudstone
138	AB651	170931	8.98294	125.27396	AP	Rudstone
139	AB658	170937	8.98096	125.27839	AP	Wackestone to rudstone
140	AB724	170981	8.95208	125.27736	AP	Wackestone to rudstone
141	AB725	170982	8.95159	125.27722	AP	Floatstone (ammonoids) and grainstone

Lesului Mountain (Locality 2, Fig. 1)

Project No.	Field Number		Lat. (°S)	Long. (°E)	Sample type	Description (position in any section; bedding; micrfacies)
142	AB631	170917	8.92748	125.25689	AP	Rudstone
143	AB632	170918	8.92287	125.26324	AP	Floatstone
144	AB633	170919	8.92081	125.26599	AP	Rudstone
145	AB634	170920	8.92032	125.26609	AP	Rudstone

Saburai Mountain Locality 4, Fig. 1)

Project No.	Field Number		Lat. (°S)	Long. (°E)	Sample type	Description (position in any section; bedding; micrfacies)
146	AB699A	170962	9.06065	125.24577	AP	Peloidal grainstone
147	AB699B	170963	9.06065	125.24577	AP	Rudstone