

Expedition 317 Site U1351, Table T11. Planktonic foraminiferal summary, Hole U1351B. (See table notes.)

Core, section	Top depth CSF-A (m)	Interpreted age	NN zone	NZ stage correlation	NZ stage	Age (Ma)	Planktonic foraminifer (%)	Oceanicity	Key species and comments			
317-U1351B-1H-CC	7.71	Pleistocene	NN21	Haweran to upper Castlecliffian (Wq-uWc)	Wq-uWo	0-4.3	16	Outer neritic	<i>Globoconella inflata</i>			
2H-CC	16.66				Wq-uWo	0-4.3	9	Inner neritic	<i>Globoconella inflata</i>			
3H-CC	22.29				Wq-uWo	0-4.3	15		<i>Globoconella inflata</i>			
4H-CC	28.17				Wq-uWc	0-1.1	6	<i>Truncorotalia truncatulinoides</i> , <i>Globoconella inflata</i>				
5H-CC	32.34				Wq-uWo	0-4.3	14	<i>Globoconella inflata</i>				
6H-CC	39.27				Wq-uWo	0-4.3	56	Extraneitic	<i>Globoconella inflata</i>			
7H-CC	47.83				Wq-uWo	0-4.3	25	Outer neritic	<i>Globoconella inflata</i>			
8H-CC	56.46				Wc-uWo	0.6-4.3	24		<i>Globoconella inflata</i> ; [benthic HO <i>Bolivinita plozea</i> , >0.6 Ma]			
9H-CC	65.91				Wq-uWo	0-4.3	33	Extraneitic	<i>Globoconella inflata</i>			
10H-CC	69.83				Wq-uWo	0-4.3	4	middle Pliocene	<i>Globoconella inflata</i> ; [11H-1, 128 cm; HO <i>Pseudoemiliana lacunosa</i> , base NN20, 0.44 Ma]			
11H-CC	75.57				NN19?-NN16	Castlecliffian to Waipipian (Wc-Wp)	Wq-uWo		0-4.3	7	<i>Globoconella inflata?</i>	
12H-CC	76.92						Wq-uWo		0-4.3	1	Inner neritic	<i>Globoconella inflata</i>
13H-CC	90.02						Wq-uWo		0-4.3	3		<i>Zeaglobigerina cf. woodi</i> , <i>Globoconella inflata</i>
14X-CC	97.11						Wq-uWo		0-4.3	6		<i>Globoconella punctuloides</i> (1.5-4.3 Ma, HO poorly dated)
15X-CC	103.42	Wq-uWo	0-4.3	6			<i>Zeaglobigerina woodi</i> , <i>Globoconella inflata</i>					
16X-CC	120.24	Wq-uWo	0-4.3	10			No planktonics					
18X-CC	134.48	?IWm-uWo	72.7-4.3	3			ND					
19X-CC	147.55	?IWc-uWo	71.5-4.3	1			No planktonics					
20X-CC	160.16	IWm-uWo	2.7-4.3	9			No planktonics					
21X-CC	168.48	?IWc-uWo	71.5-4.3	2			No planktonics					
22X-CC	175.27	?IWc-uWo	71.5-4.3	4			<i>Globoconella punctuloides?</i>					
23X-CC	180.13	?IWm-uWp	72.45-3.04?	6			<i>Globoconella cf. punctuloides</i>					
24X-CC	189.75	?IWc-uWo	71.5-4.3	18			<i>Truncorotalia crassaformis</i> (upper dextral coiling zone?, poorly constrained), <i>Globoconella punctuloides</i>					
25X-CC	202.59	IWm-uWo	2.7-4.3	17			<i>Globoconella inflata?</i> , <i>Globoconella punctuloides</i>					
26X-CC	208.96	Wq-uWo	0-4.3	9	<i>Zeaglobigerina woodi</i> , <i>Globoconella inflata?</i> , <i>Globoconella punctuloides</i>							
27X-CC	226.27	Wq-uWo	0-4.3	1	<i>Globoconella inflata?</i>							
28X-CC	236.17	?IWc-uWo	71.5-4.3	2	No planktonics							
29X-CC	247.35	?IWc-uWo	71.5-4.3	3	No planktonics							
30X-CC	255.06	IWm-uWo	2.7-4.3	9	<i>Globoconella punctulata</i> s.l., <i>Globoconella cf. punctuloides</i> , <i>Truncorotalia cf. crassaformis</i> , <i>Zeaglobigerina woodi</i>							
31X-CC	263.61	Wq-uWo	0-4.3	1	No planktonics							
32X-CC	270.97	?IWc-uWo	71.5-4.3	2	<i>Globoconella inflata</i> , <i>Globoconella punctulata</i> s.l.							
33X-CC	278.34	Wq-uWo	0-4.3	7	early Pliocene	LO <i>Globoconella inflata</i> s.s. (lowest population)						
34X-CC	286.38	?IWc-uWo	71.5-4.3	4		<i>Globoconella cf. punctulata</i>						
35X-CC	295.31	?IWc-uWo	71.5-4.3	1		<i>Globoconella punctuloides</i>						
36X-CC	309.74	Wq-uWo	0-4.3	7		<i>Globoconella punctulata</i>						
37X-CC	317.04	?IWc-uWo	71.5-4.3	9		<i>Globoconella inflata</i> , <i>Globoconella punctulata</i> , <i>Zeaglobigerina woodi</i>						
38X-CC	323.69	?IWc-uWo	71.5-4.3	2		Inner neritic	<i>Globoconella inflata</i> , <i>Globoconella punctulata</i> , <i>Zeaglobigerina woodi</i>					
39X-CC	337.44	IWo	4.3-5.30	9			<b>HO <i>Globoconella punctulata</i> s.s. (highest population)</b> , <i>Globoconella punctuloides</i> , <i>Zeaglobigerina woodi</i>					
40X-CC	345.67	IWo	4.3-5.30	9		<i>Globoconella punctulata</i> , <i>Globoconella punctuloides</i> , <i>Zeaglobigerina woodi</i>						
41X-CC	354.21	IWo	4.3-5.30	3		<i>Globoconella punctulata</i>						
42X-CC	362.15	IWo	4.3-5.30	5		<i>Globoconella punctulata</i>						
43X-CC	372.13	IWo	4.3-5.30	9		<i>Globoconella punctulata</i> , <i>Truncorotalia cf. crassaformis</i> , <i>Zeaglobigerina woodi</i>						
44X-CC	382.57	IWo	4.3-5.30	9		No sample						
45X-CC	393.34	IWo	4.3-5.30	9		No sample						
47X-CC	411.72	IWo	4.3-5.30	3		No sample						
48X-CC	421.03	IWo	4.3-5.30	9	<i>Globoconella inflata</i> , <i>Zeaglobigerina woodi</i>							
49X-CC	429.14	IWo	4.3-5.30	6	<i>Globoconella punctulata</i>							
50X-CC	—	IWo	4.3-5.30	5	<i>Globoconella inflata</i> , <i>Zeaglobigerina woodi</i>							
51X-CC	—	IWo	4.3-5.30	6	<i>Globoconella punctulata</i>							
52X-CC	—	IWo	4.3-5.30	17	<i>Globoconella punctulata</i> , <i>Zeaglobigerina woodi</i>							
53X-CC	467.79	IWo	4.3-5.30	2	No sample							
54X-CC	477.24	IWo	4.3-5.30	8	<i>Globoconella punctulata</i>							
55X-CC	486.50	IWo	4.3-5.30	17	No planktonics							
56X-CC	—	IWo	4.3-5.30	8	<i>Zeaglobigerina woodi</i>							
57X-CC	507.35	IWo	4.3-5.30	2	<i>Globoconella punctulata</i> , <i>Globoconella cf. punctuloides</i>							
58X-CC	—	IWo	4.3-5.30	3	<i>Globoconella punctulata</i>							
59X-CC	510.49	IWo	4.3-5.30	3	<i>Globoconella punctulata</i>							
60X-CC	512.76	IWo	4.3-5.30	3	<i>Globoconella punctulata</i>							
61X-CC	525.29	IWo	4.3-5.30	3	<i>Globoconella punctulata</i>							
62X-CC	534.28	IWo	4.3-5.30	3	<i>Globoconella punctulata</i>							
63X-CC	543.92	IWo	4.3-5.30	3	<i>Globoconella punctulata</i>							
64X-CC	556.27	IWo	4.3-5.30	1	<i>Globoconella punctulata</i>							
65X-CC	563.80	IWo	4.3-5.30	6	<i>Globoconella punctulata</i> , <i>Truncorotalia cf. crassaformis</i>							
66X-CC	564.07	IWo	4.3-5.30	2	late Miocene	<i>Globoconella punctulata</i>						
67X-CC	572.90	IWo	4.3-5.30	1		No planktonics						
68X-CC	—	IWo	4.3-5.30	11		<i>Globoconella punctulata</i>						
69X-CC	591.90	IWo	4.3-5.30	17		<i>Globoconella punctulata</i>						
70X-CC	603.49	IWo	4.3-5.30	8		<i>Globoconella punctulata</i> , <i>Zeaglobigerina woodi</i>						
71X-CC	611.69	IWo	4.3-5.30	21		<i>Globoconella punctulata</i>						
72X-CC	623.60	IWo	4.3-5.30	17		<i>Globoconella punctulata</i>						
73X-CC	631.41	IWo	4.3-5.30	15		<i>Globoconella punctulata</i> , <i>Truncorotalia crassaformis</i>						
74X-CC	640.12	IWo	4.3-5.30	12		<i>Globoconella punctulata</i>						
75X-CC	649.79	IWo	4.3-5.30	12		<i>Globoconella punctulata</i>						
76X-CC	659.58	IWo	4.3-5.30	18		<i>Globoconella punctulata</i>						
77X-CC	669.72	IWo	4.3-5.30	44		<i>Globoconella punctulata</i>						
78H-CC	678.99	IWo	4.3-5.30	34		<i>Globoconella punctulata</i>						
79X-CC	679.46	IWo	4.3-5.30	6		<i>Globoconella punctulata</i> , <i>Zeaglobigerina woodi?</i>						
80X-CC	688.06	IWo	4.3-5.30	10	<i>Globoconella punctulata</i>							
81X-CC	697.67	IWo	4.3-5.30	7	<i>Globoconella punctulata</i>							
82X-CC	707.27	IWo	4.3-5.30	21	<i>Globoconella punctulata</i>							
83X-CC	716.94	IWo	4.3-5.30	51	<i>Globoconella punctulata</i> , <i>Truncorotalia crassaformis</i>							
84X-CC	726.71	IWo	4.3-5.30	21	<i>Globoconella punctulata</i>							
85H-CC	736.41	IWo	4.3-5.30	20	<i>Globoconella punctulata</i>							
86X-CC	737.59	IWo	4.3-5.30	24	<i>Globoconella punctulata</i>							
87X-CC	745.30	IWo	4.3-5.30	23	<i>Globoconella punctulata</i>							
88X-CC	757.33	IWo	4.3-5.30	38	<i>Globoconella punctulata</i> , <i>Zeaglobigerina cf. woodi</i>							
89X-CC	766.94	IWo	4.3-5.30	31	<i>Globoconella punctulata</i>							
90X-CC	778.52	IWo	4.3-5.30	50	<i>Globoconella punctulata</i> , <i>Zeaglobigerina woodi</i>							
91X-CC	784.04	IWo	4.3-5.30	23	<i>Globoconella punctulata</i> s.s.							
92X-CC	796.33	IWo	4.3-5.30	26	<i>Globoconella punctulata</i> s.s.							
93X-CC	812.51	IWo	4.3-5.30	54	LO <i>Globoconella punctulata</i> s.s., base Wo (5.30 Ma)							
94X-CC	819.12	uTk	5.30-5.60	26	HO <i>Globoconella sphericomiozea</i> s.s., top Tk (5.30 Ma)							
95X-CC	822.69	uTk	5.30-5.60	42	<i>Globoconella sphericomiozea</i>							
96X-CC	832.15	uTk	5.30-5.60	68	<i>Globoconella sphericomiozea</i>							
97X-CC	846.43	uTk	5.30-5.60	17	<i>Globoconella sphericomiozea</i>							
98X-CC	851.64	uTk	5.30-5.60	17	<i>Globoconella sphericomiozea</i>							
99X-CC	861.39	uTk	5.30-5.60	46	LO <i>Globoconella sphericomiozea</i> s.s., base upper Tk (5.60 Ma)							
100X-CC	877.62	ITk	5.60-7.07	59	HO <i>Globoconella conomiozea</i> s.s., top lower Tk (5.60 Ma)							
101X-CC	882.55	ITk	5.60-7.07	83	<i>Globoconella conomiozea</i>							
102X-CC	889.81	ITk	5.60-7.07	47	<i>Globoconella conomiozea</i>							
103X-CC	900.59	ITk	5.60-7.07	68	<i>Globoconella conomiozea</i>							
104X-CC	913.35	ITk	5.60-7.07	78	<i>Globoconella conomiozea</i>							
105X-CC	918.77	ITk	5.60-7.07	30	<i>Globoconella conomiozea</i>							
106X-CC	933.14	ITk	5.60-7.07	51	<i>Globoconella conomiozea</i>							
107X-CC	938.22	ITk	5.60-7.07	56	<i>Globoconella conomiozea</i>							
108X-CC	947.70	ITk	5.60-7.07	30	<i>Globoconella conomiozea</i>							
109X-CC	961.40	ITk	5.60-7.07	76	<i>Globoconella conomiozea</i>							
110X-CC	966.74	ITk	5.60-7.07	76	<i>Globoconella conomiozea</i>							
111X-CC	976.66	ITk	5.60-7.07	52	<i>Globoconella conomiozea</i>							
112X-CC	991.22	ITk	5.60-7.07	36	<i>Globoconella conomiozea</i>							
113X-CC	998.34	ITt	10.50-10.91	32	HO <i>Hirsutella panda</i> , <i>Globoconella miotumida</i> (sinistral population), <i>Truncorotalia cf. juanai</i>							
114X-CC	1005.34	ITt	10.64-10.91	86	<i>Hirsutella panda</i> (>5% abundance), HO <i>Paragloborotalia mayeri</i> s.l.							
115X-CC	1014.56	ITt	10.66-10.91	33	lower Tt assemblage age: <i>Globoconella miotumida</i> (sinistral), <i>Hirsutella panda</i>							
116X-CC	1024.39	ITt	10.66-10.91	33								

Notes: ND = not determined. HO = highest occurrence, LO = lowest occurrence. Bold = age-diagnostic species. For New Zealand (NZ) stage abbreviations, see Figure F5 in the "Methods" chapter. This table is also available in ASCII.