

Expedition 317 Site U1351, Table T14. Invertebrate macrofossils. (See table notes.)

Taxon	Other	Hole, core, section, interval (cm)	Depth (mbsf)	Sediment type	Habitat	Age (Ma)		NZ stage	International timescale
						not > than	not < than		
317-									
<i>Limatula maoria</i> (Finlay)		U1351A-1H-1, 8		CF	Shelf; clump fauna; eurybathyal	3.6	0.0	Wwp-R	early late Pliocene to recent
<i>Diplodonta (Zemysina) globus</i> (Finlay)	Dble.	U1351A-1H-2, 130		fS/Z	Shelf, eurybathyal	19.0	0.0	PI-R	early Miocene to recent
<i>Pecten</i> s.s.	Juv.	U1351B-1H-2, 48	1.98	Sg/S	Inner shelf, usually <20 m	0.7	0.0	(MIS 16)-R	middle Pleistocene to recent
<i>Austrofusius glans</i> (Roeding)		U1351A-1H-2, 1		Z	Shelf, eurybathyal	1.6	0.0	Wc-R	Pleistocene to recent
<i>Cominella (Eucominia) nassoides otakouica</i> (Powell)		U1351A-1H-2, 89	2.38	Z	Outer shelf to upper slope; CW	2.4	0.0	Wn-R	late late Pliocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-1H-4, 35		Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-1H-CC, 16	2.56	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Chlamys</i> sp.		U1351B-2H-4, 39	12.69	CF	Shelf; clump fauna; eurybathyal				
<i>Stiracolpus symmetricus</i> (Hutton)		U1351B-2H-1, 112	8.92	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
Encrusting species A		U1351A-2H-1, 75	3.45	CF	Shelf, eurybathyal				
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-2, 14	4.34	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-2, 77	4.97	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-2, 60	4.80	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-2, 4	4.24	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351B-2H-2, 91	10.21	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Sacella bellula</i> (Adams) or <i>hedleyi</i> (Fleming)		U1351A-2H-3, 67		S/Z	Inner shelf				
<i>Tawera spissa</i> (Deshayes)	Juv.	U1351A-2H-3, 67		S/Z	Shelf to upper slope	2.4	0.0	Wn-R	late late Pliocene to recent
<i>Myadora striata</i> (Quoy and Gaimard)	Juv.	U1351A-2H-3, 67		S/Z	Shoreface to inner shelf	2.4	0.0	Wn-R	
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-3, 67		Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Chlamys (Zygochlamys) patagonica delicatula</i> (Hutton)		U1351B-2H-4, 39	12.69	Sg/Z	CW; outer shelf to upper slope	3.6	0.0	Wwp-R	early late Pliocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-5, 115	9.85	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-5I, 139	10.09	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-2H-5, 54	9.24	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351B-2H-6, 58	15.88	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
Annelida-1 (intertwined small tube colonies)		U1351A-3H-1, 110	13.30	CF/Z	Shelf; clump fauna; eurybathyal				
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-3H-3I, 139	16.59	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Tawera spissa</i> (Deshayes)		U1351A-3H-3, 37	15.57	S/Z	Shelf to upper slope	2.4	0.0	Wn-R	late late Pliocene to recent
Annelida-5 (encrusting tube, triangular ridged)		U1351A-3H-3, 37		CF	Shelf; clump fauna; eurybathyal				
<i>Stiracolpus symmetricus</i> (Hutton)		U1351B-3H-4, 34	21.54	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Cominella (Eucominia) nassoides nassoides</i> (Reeve)		U1351B-3H-4, 34		Z	Outer shelf to upper slope	2.4	0.0	Wn-R	late late Pliocene to recent
<i>Buccinulum</i> s.s. sp.		U1351A-4H-1, 28	18.48	S/Z	Shelf, eurybathyal				
<i>Pleuromeris zelandica</i> (Deshayes)		U1351B-4H-2, 77	24.37	S/Z	Shelf, eurybathyal	3.0	0.0	Wwm-R	late late Pliocene to recent
<i>Tawera spissa</i> (Deshayes)		U1351A-4H-2, 45	20.15	S/Z	Shelf to upper slope	2.4	0.0	Wn-R	late late Pliocene to recent
<i>Cominella (Eucominia) nassoides nassoides</i> (Reeve)		U1351A-4H-2, 73	20.43	Z	Outer shelf to upper slope	2.4	0.0	Wn-R	late late Pliocene to recent
<i>Notomegabalanus decorus argyllensis</i> (Buckeridge)		U1351A-4H-2, 99	20.69	CF	Shelf to upper slope				
<i>Notomegabalanus decorus argyllensis</i> (Buckeridge)		U1351A-4H-2, 118	20.88	CF	Shelf to upper slope				
<i>Notocallista (Striacallista) multistriata</i> (Sowerby)		U1351B-4H-4, 110	27.70	Z	Shelf, eurybathyal	3.6	0.0	Wwp-R	late Pliocene to recent
<i>Divaricella (Divalucina) huttoniana</i> (Vanatta)		U1351A-5H-2, 28	26.88	fS/Z	Shoreface, usually <20 m	25.2	0.0	Ld-R	late Oligocene to recent
<i>Divaricella (Divalucina) huttoniana</i> (Vanatta)		U1351A-5H-2, 28	26.88	fS/Z	Shoreface, usually <20 m	25.2	0.0	Ld-R	late Oligocene to recent
<i>Austrofusius glans</i> (Roeding)		U1351A-5H-2, 48	27.08	Z	Shelf, eurybathyal	1.6	0.0	Wc-R	Pleistocene to recent
<i>Notocallista (Striacallista) multistriata</i> (Sowerby)		U1351B-5H-3, 38	31.35	Z	Shelf, eurybathyal	3.6	0.0	Wwp-R	late Pliocene to recent
<i>Amalda (Baryspira) australis</i> (Sowerby)		U1351B-5H-3, 65	31.62	S	Inner shelf, usually <50 m	2.4	0.0	Wn-R	late Pliocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351A-6H-1, 5	27.55	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Macrozafra</i> sp. (? <i>nodicincta</i> [Suter])		U1351A-6H-1, 5	27.55	S	Shelf, eurybathyal				
<i>Stiracolpus symmetricus</i> (Hutton)		U1351B-7H-5, 110	46.30	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Cominella (Eucominia) nassoides nassoides</i> (Reeve)		U1351B-7H-5, 60	45.80	Z	Outer shelf to upper slope; CW	2.4	0.0	Wn-R	late late Pliocene to recent
<i>Chlamys gemmulata</i> (Reeve)		U1351B-8H-3, 141	52.11	CF	Shelf; clump fauna; eurybathyal	3.6	0.0	Wwp-R	late Pliocene to recent
<i>Cominella (Eucominia) nassoides otakouica</i> (Powell)		U1351B-8H-3, 141	52.11	Z	Outer shelf to upper slope; CW	2.4	0.0	Wn-R	late late Pliocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351B-11H-2, 96	72.16	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Maoricolpus roseus</i> (Quoy and Gaimard)		U1351B-11H-2, 96	72.16	S/Z	Shoreface to inner shelf	5.3	0.0	Wo-R	early Pliocene to recent
<i>Aotearillia chordata</i> (Suter)		U1351B-11H-2, 96	72.16	Z	Shelf, eurybathyal	2.4	0.0	Wn-R	late Pliocene to recent
<i>Stiracolpus symmetricus</i> (Hutton)		U1351B-11H-3, 31	73.01	Z	Shelf to upper slope	1.6	0.0	Wc-R	Pleistocene to recent
<i>Chlamys (Zygochlamys) patagonica delicatula</i> (Hutton)		U1351B-13H-1, 7	85.27	Sg/Z	CW; outer shelf to upper slope	3.6	0.0	Wwp-R	early late Pliocene to recent
<i>Neothyris ovata</i> (Hutton)		U1351B-22X-2, 140	173.30	CF	Shelf, eurybathyal				
<i>Chlamys (Zygochlamys) patagonica delicatula</i> (Hutton)		U1351B-28X-1, 24	228.24	Sg/Z	CW; outer shelf to upper slope	3.6	0.0	Wwp-R	early late Pliocene to recent
<i>Chlamys (Zygochlamys) patagonica delicatula</i> (Hutton)		U1351B-30X-1, 19	247.29	Sg/Z	CW; outer shelf to upper slope	3.6	0.0	Wwp-R	early late Pliocene to recent
<i>Neothyris ovata</i> (Hutton)		U1351B-30X-1, 55	247.65	CF	Shelf, eurybathyal				
<i>Crassostrea ingens</i> (Zittel)	Frag.	U1351B-30X-3, 49	250.59	CF	Inner shelf, usually <20 m	11.0	3.0	Tt-Wwp	late Miocene to late Pliocene
<i>Neothyris ovata</i> (Hutton)		U1351B-30X-3, 58	250.68	CF	Shelf, eurybathyal				
<i>Neothyris ovata</i> (Hutton)		U1351B-30X-3, 91	251.01	CF	Shelf, eurybathyal				
<i>Crassostrea ingens</i> (Zittel)	Frag.	U1351B-30X-5, 62	253.72	CF	Inner shelf, usually <20 m	11.0	3.0	Tt-Wwp	late Miocene to late Pliocene
<i>Neothyris ovata</i> (Hutton)		U1351B-30X-5, 32	253.42	CF	Shelf, eurybathyal				
Annelida-2 (large irregular tube, sutured one side)		U1351B-32X-2, 22	268.02	Z	Shelf; clump fauna; eurybathyal				
<i>Crassostrea ingens</i> (Zittel)	Frag.	U1351B-32X-3, 40	269.69	CF	Inner shelf, usually <20 m	11.0	3.0	Tt-Wwp	late Miocene to late Pliocene
<i>Crassostrea ingens</i> (Zittel)	Frag.	U1351B-32X-3, 45	269.74	CF	Inner shelf, usually <20 m	11.0	3.0	Tt-Wwp	late Miocene to late Pliocene
<i>Crassostrea ingens</i> (Zittel)	Frag.	U1351B-32X-3, 101	270.03	CF	Inner shelf, usually <20 m	11.0	3.0	Tt-Wwp	late Miocene to late Pliocene
<i>Stiracolpus delli</i> (Marwick)		U1351B-44X-1, 75	381.85	Z	Shelf, eurybathyal	1.6	0.0	Wc-R	Pleistocene to recent

Notes: Dble. = double valved, Juv. = juvenile, Frag. = fragment. S = sand, Z = silt, fS = fine sand, sZ = sandy silt, Sg = shell gravel, CF = clump fauna. CW = cold water. MIS = marine isotope stage.

For New Zealand (NZ) stage abbreviations, see Figure F5 in the "Methods" chapter. This table is also available in [ASCII](#).