

Table T3. Diatom zonal assignments and datums applied to the Pliocene–Pleistocene, Hole 1138A. (See table notes. Continued on next page.)

Core, section, interval (cm)	Depth (mbsf)	Diatom zone	Lower datum		Upper datum		Time-rock unit					
			Event	Age (Ma)	Event	Age (Ma)						
183-1138A-												
1R-1, 70–71	0.70	<i>Thalassiosira lentiginosa</i>	LO <i>Actinocyclus ingens</i>	0.66	LO <i>Thalassiosira lentiginosa</i>	0.0	Pleistocene					
1R-2, 109–110	2.59											
1R-3, 69–70	3.69											
1R-4, 20–21	4.70											
1R-CC, 16–21	8.53											
2R-CC, 7–12	12.78											
3R-2, 34–35	18.94	<i>Actinocyclus ingens</i>	LO <i>Fragilariopsis barronii</i>	1.4	LO <i>Actinocyclus ingens</i>	0.66						
3R-CC, 7–12	25.57											
4R-1, 25–26	26.75											
4R-CC, 6–11	34.94											
5R-1, 100–101	37.00											
5R-2, 25–26	37.75											
5R-2, 100–101	38.50											
5R-3, 100–101	40.00											
5R-4, 100–101	41.50											
5R-5, 100–101	43.00											
5R-6, 100–101	44.50											
5R-7, 25–26	45.25											
5R-CC, 12–17	45.58											
6R-1, 100–101	46.40											
6R-2, 100–101	47.90	<i>Fragilariopsis kerguelensis</i>	LO <i>Thalassiosira kolbei</i>	1.9	LO <i>Fragilariopsis barronii</i>	1.4						
6R-3, 100–101	49.40											
6R-CC, 12–17	49.65											
7R-1, 100–101	55.80	<i>Thalassiosira kolbei</i>	LO <i>Thalassiosira vulnifica</i>	2.3	LO <i>Thalassiosira kolbei</i>	1.9	upper Pliocene					
7R-2, 100–101	57.30											
7R-3, 25–26	58.05											
7R-3, 100–101	58.80											
7R-4, 100–101	60.30											
7R-5, 100–101	61.80	<i>Thalassiosira vulnifica</i>	LO <i>Thalassiosiraceae insigna</i>	2.6	LO <i>Thalassiosira vulnifica</i>	2.3						
7R-CC, 13–18	62.31											
8R-1, 100–101	65.30							<i>Thalassiosira insigna–Thalassiosira vulnifica</i>	FO <i>Thalassiosira vulnifica</i>	3.2	LO <i>Thalassiosira insigna</i>	2.6
8R-2, 100–101	66.80											
8R-3, 100–101	68.30	<i>Fragilariopsis interfrigidaria</i>	FO <i>Fragilariopsis interfrigidaria</i>	3.8	FO <i>Thalassiosira vulnifica</i>	3.2		lower Pliocene				
8R-4, 100–101	69.80											
8R-5, 100–101	71.30											
8R-6, 100–101	72.80											
8R-CC, 10–15	74.04											
9R-1, 100–101	74.70											
9R-2, 100–101	76.20											
9R-3, 100–101	77.70											
9R-CC, 14–19	79.21											
10R-1, 25–26	83.35											
10R-1, 100–101	84.10											
10R-2, 25–26	84.85											
10R-2, 100–101	85.60											
10R-3, 100–101	87.10											
10R-CC, 13–18	87.53											
11R-1, 100–101	93.70											

Table T3 (continued).

Core, section, interval (cm)	Depth (mbsf)	Diatom zone	Lower datum		Upper datum		Time-rock unit
			Event	Age (Ma)	Event	Age (Ma)	
11R-2, 100–101	95.20						lower Pliocene
11R-3, 100–101	96.70						
11R-4, 100–101	98.20	<i>Fragilariopsis barronii</i>	FO <i>Fragilariopsis barronii</i>	4.4	FO <i>Fragilariopsis interfrigidaria</i>	3.8	
11R-5, 100–101	99.70						
11R-6, 100–101	101.20						
11R-CC, 9–14	102.39						
12R-1, 100–101	103.30	<i>Thalassiosira inura</i>	FCO <i>Thalassiosira inura</i>	4.9	FO <i>Fragilariopsis barronii</i>	4.4	
12R-2, 100–101	104.80						

Notes: Ages are compiled from the sources listed in Table T5, p. 48, and are revised to the Berggren et al. (1995) timescale. LO = last occurrence, FO = first occurrence, FCO = first common occurrence, LCO = last common occurrence.