





Sample	Curated Depth (mbsf)	Abundance (%)					Calculated SST (°C)
		Diatom Valves Counted	Total diatom abundance	cold-water diatoms (Xc, XC)	warm-water diatoms (Xw, XW)	Td'	
902-C9001C-1H-1, 10-11cm	0.1	458	2,781,273	24.0	5.9	19.7	14.8
902-C9001C-1H-3, 8-9cm	2.9	521	6,267,351	34.7	5.2	13.0	13.2
902-C9001C-1H-3, 99-100cm	3.8	491	3,581,665	23.8	5.9	19.9	14.9
902-C9001C-1H-5, 10-11cm	5.8	478	2,849,003	26.2	5.2	16.7	14.2
902-C9001C-2H-1, 26-27cm	7.2	582	7,099,895	45.5	4.8	9.6	12.2
902-C9001C-2H-1, 99-100cm	7.9	476	3,802,993	39.9	5.0	11.2	12.7
902-C9001C-2H-4, 10-11cm	11.3	486	313,386	42.8	2.9	6.3	10.9
902-C9001C-2H-4, 99-100cm	12.2	468	1,406,003	37.8	5.6	12.8	13.2
902-C9001C-2H-5, 48-49cm	13.2	481	1,282,503	39.1	1.9	4.6	9.9
902-C9001C-2H-5, 99-100cm	13.7	521	320,420	40.5	1.5	3.7	9.4
902-C9001C-2H-7, 10-11cm	15.9	512	977,210	44.1	1.6	3.4	9.2
902-C9001C-2H-7, 100-101cm	16.5	475	1,299,160	42.5	0.6	1.5	7.3
902-C9001C-3H-1, 10-11cm	16.8	457	14,144,591	50.8	2.2	4.1	9.7
902-C9001C-3H-1, 99-100cm	17.4	464	7,002,046	41.4	0.6	1.5	7.4
902-C9001C-3H-3, 20-21cm	19.6	459	3,904,929	31.2	0.7	2.1	8.0
902-C9001C-3H-3, 57-58cm	20.0	464	6,518,395	34.5	0.0	0.0	0.0
902-C9001C-3H-5, 44-45cm	22.8	460	13,816,467	39.6	1.3	3.2	9.0
902-C9001C-3H-5, 87-88cm	23.3	494	5,821,528	47.0	0.4	0.9	6.3
902-C9001C-3H-7, 7-8cm	25.4	462	4,492,823	44.5	6.1	12.0	13.0
902-C9001C-3H-7, 41-42cm	25.7	465	3,097,318	52.5	3.2	5.8	10.6
902-C9001C-4H-1, 10-11cm	26.0	470	12,451,036	35.7	2.3	6.1	10.8
902-C9001C-4H-1, 99-100cm	26.9	535	6,485,724	58.7	1.7	2.8	8.7
902-C9001C-4H-3, 5-6cm	28.9	466	12,131,710	48.5	5.2	9.6	12.2
902-C9001C-4H-3, 99-100cm	29.8	507	7,336,951	57.4	1.8	3.0	8.9
902-C9001C-4H-5, 10-11cm	31.9	461	11,295,885	37.3	0.4	1.1	6.8
902-C9001C-4H-5, 99-100cm	32.8	550	8,001,946	42.7	1.5	3.3	9.1
902-C9001C-4H-7, 10-11cm	34.8	478	11,228,787	47.1	4.4	8.5	11.8
902-C9001C-4H-7, 112-113cm	35.6	498	7,072,851	49.9	1.1	2.1	8.0
902-C9001C-5H-1, 20-21cm	35.8	460	6,192,533	46.3	3.3	6.6	11.0
902-C9001C-5H-1, 81-82cm	36.2	486	528,812	42.2	3.5	7.7	11.5
902-C9001C-5H-3, 10-11cm	38.4	520	8,419,011	42.7	6.9	14.0	13.5
902-C9001C-5H-3, 99-100cm	39.3	515	960,593	43.1	2.3	5.1	10.3
902-C9001C-5H-5, 10-11cm	41.4	452	5,450,096	44.5	4.9	9.9	12.3
902-C9001C-5H-5, 99-100cm	42.2	441	161,558	39.0	4.5	10.4	12.5
902-C9001C-5H-7, 8-9cm	44.3	462	9,890,570	45.0	1.9	4.1	9.7
902-C9001C-5H-7, 99-100cm	45.0	456	6,352,933	43.6	1.8	3.9	9.5
902-C9001C-6H-1, 10-11cm	45.2	468	14,133,755	56.4	2.6	4.3	9.8
902-C9001C-6H-1, 99-100cm	45.9	488	10,988,333	54.3	0.6	1.1	6.8
902-C9001C-6H-3, 10-11cm	47.8	464	4,524,109	44.0	1.5	3.3	9.1
902-C9001C-6H-5, 10-11cm	50.7	454	8,972,875	45.4	1.5	3.3	9.1
902-C9001C-6H-5, 99-100cm	51.6	458	7,299,377	38.2	3.5	8.4	11.7
902-C9001C-6H-7, 10-11cm	53.6	466	15,547,649	47.4	3.6	7.1	11.2
902-C9001C-6H-7, 99-100cm	54.5	465	6,810,690	48.2	1.1	2.2	8.1
902-C9001C-7H-1, 10-11cm	54.5	467	29,238,739	50.3	1.9	3.7	9.4
902-C9001C-7H-1, 99-100cm	55.4	470	13,608,811	53.8	1.3	2.3	8.3
902-C9001C-7H-3, 10-11cm	57.4	513	11,728,279	57.9	0.8	1.3	7.1
902-C9001C-7H-3, 99-100cm	58.3	464	26,250,025	57.5	1.7	2.9	8.8
902-C9001C-7H-5, 10-11cm	60.4	492	10,692,396	47.2	2.0	4.1	9.7
902-C9001C-7H-5, 99-100cm	61.3	477	5,689,318	30.8	1.5	4.5	9.9
902-C9001C-7H-7, 10-11cm	63.3	461	2,081,023	53.1	2.6	4.7	10.0
902-C9001C-7H-7, 99-100cm	64.0	459	5,515,148	49.2	0.4	0.9	6.3
902-C9001C-8H-1, 9-10cm	64.2	457	3,211,452	23.4	5.7	19.5	14.7
902-C9001C-8H-1, 98-99cm	64.9	466	2,479,978	33.9	5.6	14.1	13.3
902-C9001C-8H-3, 9-10cm	66.9	473	2,210,813	21.8	6.1	22.0	13.2

902-C9001C-8H-3, 103.5-104.5cm	67.9	529	2,117,595	15.7	6.6	29.7	15.8
		Abundance (%)					
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				diatoms (Xc, XC)	Td'		
902-C9001C-8H-5, 10-11cm	69.7	450	3,574,574	31.1	1.8	5.4	8.8
902-C9001C-8H-5, 98.5-99.5cm	70.6	462	1,992,310	34.0	0.9	2.5	8.5
902-C9001C-8H-7, 10-11cm	72.6	505	4,063,163	37.8	2.0	5.0	9.6
902-C9001C-8H-7, 99-100cm	73.5	504	8,337,168	46.2	3.2	6.1	10.2
902-C9001C-9H-1, 10-11cm	73.5	461	527,354	48.4	2.0	3.9	9.8
902-C9001C-9H-1, 99-100cm	74.4	463	1,514,060	33.9	2.4	6.5	10.5
902-C9001C-9H-3, 10-11cm	76.3	475	1,951,765	13.7	1.1	7.1	10.7
902-C9001C-9H-3, 99-100cm	77.2	479	1,293,801	31.7	3.5	10.1	12.4
902-C9001C-21H-5, 7.5-8.5cm	190.7	459	7,474,841	27.5	9.4	25.4	15.9
902-C9001C-21H-5, 99-100cm	191.6	470	5,145,145	24.5	8.1	24.8	15.8
902-C9001C-21H-7, 10-11cm	193.5	454	10,199,127	19.6	15.6	44.4	18.5
902-C9001C-21H-7, 99-100cm	194.0	473	7,172,726	21.8	13.3	38.0	17.7
902-C9001C-22H-1, 10-11cm	194.4	461	10,054,204	19.3	10.4	35.0	17.3
902-C9001C-22H-3, 10-11cm	197.3	463	5,042,356	15.8	12.1	43.8	18.4
902-C9001C-22H-3, 99-100	198.2	449	6,853,436	13.4	21.4	61.5	20.2
902-C9001C-22H-5, 10-11cm	198.7	454	8,108,190	18.5	9.0	32.8	17.0
902-C9001C-22H-5, 99-100cm	199.6	482	5,162,900	21.4	19.7	48.0	18.9
902-C9001C-22H-7, 10-11cm	201.6	465	9,098,188	21.5	7.7	26.5	16.1
902-C9001C-22H-7, 99-100cm	202.5	460	4,714,819	25.0	13.9	35.8	17.4
902-C9001C-25H-5, 11.5-12.5cm	227.3	463	4,888,694	24.8	0.9	4.1	9.6
902-C9001C-25H-5, 101-102cm	228.2	494	7,611,798	22.1	0.6	2.8	8.7
902-C9001C-25H-7, 9-10cm	230.1	461	5,032,171	26.7	0.7	2.5	8.5
902-C9001C-25H-7, 99-100cm	231.0	454	1,569,815	26.0	2.9	10.2	12.4
902-C9001C-26H-1, 10-11cm	232.0	520	2,123,348	26.2	6.3	19.5	14.8
902-C9001C-26H-1, 97-98cm	232.9	536	3,262,413	25.9	6.5	21.0	15.1
902-C9001C-26H-3, 10-11cm	234.8	468	3,511,729	24.4	6.8	22.9	15.4
902-C9001C-26H-3, 99-100cm	235.6	474	9,960,159	27.4	6.8	20.4	15.0
902-C9001C-26H-5, 9-10cm	237.6	496	22,298,035	19.0	0.2	1.1	6.8
902-C9001C-26H-5, 99-100cm	238.5	557	9,081,662	27.8	1.4	5.6	10.5