



Table T8. Palynomorph data and remarks on dominant tree taxa, Hole M0027A. (See table note.)

Core, section	Depth (mbsf)	Nonsaccate arboreal pollen	Herbal pollen	Cyperaceae and poaceae pollen	Pollen spores	Fungal spores	Dinocysts	Foraminifer combined	All bisaccates including reworked	Nonsaccate arboreal pollen + herbal pollen	Dinocyst + foraminifer test linings	(Dinocysts + foraminifer test linings)/ (nonsaccate arboreal pollen + herbal pollen)	Remarks
313-M0027-													
9H-CC	19.59	61	25	17	41	1	19	1.7	195	86	20.7	0.2403	Hickory present but rare; frequent occurrences of hazelnut, birch, alder
65X-CC	195.53	220	6	10	1	7	2	1.0	7	226	3.0	0.0133	Hickory present but not frequent
67X-CC	201.22	126	9	10	0	7	3	0.0	5.5	135	3.0	0.0222	Hickory present but not frequent
69X-CC	207.44	123	12	7	1	11	13	3.0	13.5	135	16.0	0.1185	Hickory present but not frequent
91R-CC	262.05	108	4	3	0	2	8	15.3	16.5	112	23.3	0.2083	Oak and hickory pollen very frequent
101R-CC	292.91	183	11	9	1	3	9	2.0	38.5	194	11.0	0.0567	Hickory present but not frequent
104R-CC	301.86	135	12	6	1	0	2	1.0	16	147	3.0	0.0204	Oak and hickory pollen very frequent, elm extraordinarily frequent
105R-CC	304.95	107	5	8	0	1	17	4.0	34	112	21.0	0.1875	Oak and hickory pollen very frequent, elm extraordinarily frequent, from 105R to 9H frequent occurrences of grasses (Poacea)
146R-CC	417.57	134	15	1	0	2	21	6.3	7.5	149	27.3	0.1834	Hickory present but not frequent
148R-CC	423.68	97	5	8	0	0	93	5.3	44.5	102	98.3	0.9641	Oak and hickory pollen very frequent
149R-CC	426.71	160	7	1	0	2	23	6.3	22.5	167	29.3	0.1756	Oak and hickory pollen very frequent, presence of western hemlock
151R-CC	432.78	135	7	4	0	1	12	2.0	29	142	14.0	0.0986	Oak and hickory pollen very frequent
154R-CC	441.13	112	7	4	0	1	26	5.0	43	119	31.0	0.2605	Oak and hickory pollen very frequent
156R-CC	448.09	133	8	3	0	2	18	0.0	24	141	18.0	0.1277	Oak and hickory pollen very frequent
159R-CC	457.54	128	10	4	0	0	55	1.3	27.5	138	56.3	0.4082	Hickory present but not frequent
161R-CC	463.61	126	11	8	1	2	40	8.0	28	137	48.0	0.3504	Oak and hickory pollen very frequent
163R-CC	469.79	126	9	3	1	0	14	1.3	48.5	135	15.3	0.1136	Oak and hickory pollen very frequent
167R-CC	481.60	129	8	4	1	1	32	0.7	15	137	32.7	0.2384	Oak and hickory pollen very frequent
171R-CC	492.46	104	6	2	2	2	54	20.0	65	110	74.0	0.6727	Oak and hickory pollen very frequent
175R-CC	500.21	102	7	1	0	1	19	5.7	51.5	109	24.7	0.2263	Oak and hickory pollen very frequent
177R-CC	505.33	84	7	3	0	0	23	8.3	110	91	31.3	0.3443	Hickory present but not frequent
185R-CC	520.96	90	8	3	0	0	59	12.7	92	98	71.7	0.7313	Oak and hickory pollen very frequent
189R-CC	533.58	76	5	3	0	0	43	11.0	202	81	54.0	0.6667	Oak, linden, and hickory pollen very frequent
191R-CC	539.19	77	5	1	0	0	19	7.0	31.5	82	26.0	0.3171	Oak, linden, and hickory pollen very frequent
193R-CC	545.61	76	9	1	0	0	72	17.3	48	85	89.3	1.0510	Oak and hickory pollen very frequent
204R-CC	573.01	54	19	5	0	0	31	5.0	182.5	73	36.0	0.4932	Hickory present but not frequent, possibly grass pollen present
206R-CC	579.19	108	3	1	0	0	16	5.3	116.5	111	21.3	0.1922	Oak, linden, and hickory pollen very frequent
208R-CC	585.10	61	17	2	1	0	21	4.0	19.5	78	25.0	0.3205	Hickory present but not frequent
218R-CC	615.24	100	8	2	0	1	35	14.3	39.5	108	49.3	0.4568	Oak, linden, and hickory pollen very frequent
220R-CC	620.83	52	3	1	0	0	157	7.7	80	55	164.7	2.9939	Oak, linden, and hickory pollen very frequent, presence of elm pollen
223R-CC	627.58	37	5	1	0	0	92	44.0	31.5	42	136.0	3.2381	High content of oak and other, probable arboreal, nonsaccate pollen, but no hickory, no elm, and no linden pollen

Note: Remarks concerning nonsaccate pollen, like "frequent" or "rare," are always in relation to the production and transport potential of the different pollen types (e.g., "elm pollen frequent" may refer to 5 or 6 grains, whereas 5 or 6 grains of oak pollen would be regarded as "rare").