

## Appendix I

Analytical results of pollen and spores in the sedimentary rocks and sediments cored and dredged by Dr. S. TOKUNAGA of Palynosurvey Co.. Numbers are expressed in percent except No. 6, 7, 8, 10, 11 and 18 in which numbers are counts.

Pollen and Spores	Sample No.					6 D288-1	7 D288-2	8 D281	9 D263	10 D263-1
	1 P127 Catcher	2 P125 Catcher	3 P130 Catcher	4 P124 Catcher	5 RC25 Catcher					
Abies	0.8	1.2	3.1	3.2	6.7					
Picea	0.5	0.8	4.3	1.5	2.4					
Pinus	8.5	5.8	28.6	9.7	38.9		1	5	35.4	
Tsuga sieboldii	2.8	1.2		5.7	1.0		2		1.5	
Tsuga diversifolia	1.3			0.9						
Taxodiaceae	22.5	1.2	2.5	24.8	2.4					
Cryptomeria	10.9		1.2	4.7	1.0		1			
Ephedra	0.3									
Carya	0.3		0.6						3.1	
Juglans	0.3			0.3						
Pterocarya	0.5		0.6	0.9	0.5				1.5	
Alnus	6.5	12.4	5.6	4.1	0.5			1		
Betula	1.8	9.3	0.6	4.1	7.7					
Castanea	0.3	1.9			0.5				1.5	
Castanopsis		0.8		0.3						
Fagus	0.3		1.9	0.8	0.5					
Cyclobalanopsis	1.3	0.4	0.6	0.6	0.5					
Lepidobalanus	7.2	2.7	2.5	8.3	5.3				1.5	
Ulmus	3.4	3.9	1.9	3.2	1.4				3.1	
Zelkova	0.3	0.8	1.2	1.2	0.5				1.5	
Liquidambar			0.6							
Nyssa										
Chenopodiaceae	0.5	6.6		0.6	3.4					
Artemisia	5.2	14.0		5.0	4.8					
Gramineae	2.3	7.8		0.3	1.4	1		1		
Cyperaceae	5.9	6.6	1.9	5.0						
Sphagnum	0.3	0.4	4.3		4.8			1		
Monolete spore	2.3	3.5	19.3	2.1	6.3			3	7.7	
Trilete spore			6.2		1.0				24.6	
Σ AP-1 (N)	189	26	73	178	110	0	4	5	28	0
(%)	48.8	10.1	45.3	52.5	52.9				43.1	
Σ AP-2 (N)	117	104	31	108	46	0	0	3	11	0
(%)	30.2	40.3	19.3	31.9	22.1				16.9	
Σ NAP (N)	60	98	3	44	20	1	0	1	0	0
(%)	15.5	38.0	1.9	13.0	9.6					
Σ FGP (N)	10	20	4	2	6	0	0	0	5	0
(%)	2.6	7.8	2.5	0.6	2.9				7.7	
Σ FS (N)	11	10	50	7	26	0	0	4	21	0
(%)	2.8	3.9	31.1	2.1	12.5				32.3	

11	D268	12	D282	13	D279	14	RC24	15	St D269-1	16	St D269-2	17	St 1088 D270	18	St 1089 D271	19	St 119 P129	20	St 1120 D295	21	D291-2	22	D291-3	23	RC25 63 66	24	RC25 137 140	25	D290	26	D300 1126	27	St 1124 D298	28	P128	29	D293	30	St 118 D294
	1.3	6.0						2.2	3.9	5.8						1.5	2.2	1.8	2.3	2.0	0.4	0.4	12.9	2.9	7.3	9.7	5.5												
		0.6	1.7	1.5	0.4	0.4										0.6	0.6	1.4	1.6	2.0	2.4	0.4	7.8	1.1	3.4	4.0	1.2												
	26.8	30.1	43.8	42.7	53.1	36.5								1	18.1	28.2	6.8	10.5	23.2	4.9	5.5	21.2	20.1	24.2	28.3	27.0													
	3.0	12.2	2.5	1.1	7.5	3.6									0.3	1.1	2.9	3.1	2.0	0.8	4.7	1.2	4.3	10.7	5.7	5.9													
		0.3																				0.4																	
	8.1	7.8	10.7	1.5	5.3	1.8									9.7	24.9	19.7	3.9	18.2	18.0																			
	0.4	0.9	0.8												1.8	1.1	0.4		2.0	0.8																			
	0.9														0.3																								
	1.3			6.0	0.4	5.1									0.3		1.1	3.5				3.0																	
	0.4		1.7	1.1		1.1									0.9	2.2	0.7	0.4																					
	2.6	0.3	2.5	1.9	1.3	2.6									0.6	1.7	3.6	1.2					2.5																
	4.3	8.2	1.7	0.7	1.8	2.6									15.7	6.1	3.2	3.1	17.2	14.7																			
	2.6	2.2		0.4	0.4	0.4									7.9	0.6	2.5	3.9	9.1	4.1																			
	2.1		0.8	5.6	0.9	2.6									1.5	0.6	3.2	1.9	2.0																				
	2.6			7.1	2.2	1.5									0.3		5.0	1.9																					
	7.7		2.5														0.6	3.2	1.2																				
	1.3	0.3	1.7	3.4		3.6									1.8	1.1	3.6	5.8																					
	4.7	5.6	3.3	1.9	2.2	2.9									4.5	2.8	10.0	3.9																					
	0.9	1.9	3.3	0.7	2.2	0.7									1.2	1.1	3.9	4.3																					
	0.4	0.6			0.4	3.3									0.9	0.6	3.2	2.7	1.0																				
	1.3			1.1	1.3	2.6									0.3		0.7	0.4																					
				1.1		0.4																																	
	1.3	0.6	1.7	1.1		0.7									1.2		2.2	2.7	4.0	4.1	2.1	1.6																	
	6.0	4.1	0.8		1.8										8.2		0.4		5.1	24.1	1.3	3.9	1.1	0.6	8.1														
		1.6			2.6	0.4									1	0.9	0.6	1.4	0.4																				
	1.3	0.9	3.3	0.4		1.1									0.9	1.7	1.4	1.2																					
		0.3													0.6																								
	4.7	6.0	1.7	1.5	2.2	0.7									2.1	10.5	0.7		2.0	1.2	0.8	8.2	8.6	1.7	6.9	1.2													
	0.9	1.6	0.8		0.4	0.4									0.3	3.3																							
0	104	187	75	135	165	135								1	121	105	102	72	52	83	52	117	126	114	122	118													
	44.3	58.6	62.0	50.6	72.4	49.3									36.6	58.0	36.6	27.9	52.5	33.1	22.0	45.9	45.2	64.0	49.4	46.1													
0	83	74	30	96	34	97								0	149	35	142	110	32	64	135	80	110	40	39	96													
	35.3	23.2	24.8	36.0	14.9	35.4									45.0	19.3	50.9	42.6	32.3	26.1	57.2	31.4	39.4	22.5	15.8	37.5													
0	20	24	7	4	11	6								1	40	6	18	11	9	80	22	26	13	8	44	4													
	8.5	7.5	5.8	1.5	4.8	2.2									12.1	3.3	6.5	4.3	9.1	32.7	9.3	10.2	4.7	4.5	17.8	1.6													
0	11	7	6	28	10	31								0	10	7	13	62	3	12	25	6	4	11	15	34													
	4.7	2.2	5.0	10.5	4.4	11.3									3.0	3.9	4.7	24.0	3.0	4.9	10.6	2.4	1.4	6.2	6.1	13.3													
0	17	27	3	4	8	5								0	11	28	4	3	3	6	2	26	26	5	27	4													
	7.2	8.5	2.5	1.5	3.5	1.8									3.3	15.5	1.4	1.2	3.0	2.4	0.8	10.2	9.3	2.8	10.9	1.6													