

Table A1. SUMMARY DATA FOR A.1 JINGO- PALEOCENE

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
HB022		11	6.7	0	50	50	0	0	T
HB025		1	0.6	0	100	0	0	0	U
HB028		12	7.3	33.33	33.33	33.33	0	0	U
HB032		2	1.2	0	100	0	0	0	U
HB038		1	0.6	0	100	0	0	0	U
HB046		1	0.6	0	100	0	0	0	T
HB077		48	29.1	33.33	33.33	33.33	0	0	T
HB104		46	27.9	0	50	50	0	0	U
HB121		1	0.6	0	100	0	0	0	U
HB122		13	7.9	0	100	0	0	0	U
HB134		4	2.4	0	100	0	0	0	T
HB144		3	1.8	0	100	0	0	0	T
HB161		5	3.0	0	50	50	0	0	T
HB164		12	7.3	0	0	100	0	0	U
HB166		1	0.6	0	100	0	0	0	U
HB167		2	1.2	0	100	0	0	0	U
HB168		2	1.2	0	100	0	0	0	T
Total		165							

Table A2. SUMMARY DATA FOR A.2-PALEOCENE [LAT. Cont. of Jingo]

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
	<i>Averrhoites affinis</i>	1	1.1	100	0	0	0	0	U
	<i>Fagopsiphyllum groenlandicum</i>	2	2.2	100	0	0	0	0	T
HB172		4	4.3	33.33	33.33	0	0	33.33	T
HB173		7	7.6	50	50	0	0	0	U
HB174		25	27.2	25	25	25	0	25	T
HB176		18	19.6	33.33	33.33	33.3	0	0	U
HB177		5	5.4	50	0	0	0	50	U
HB178		6	6.5	50	50	0	0	0	U
HB182		19	20.7	33.33	33.33	33.3	0	0	U
HB183		2	2.2	0	100	0	0	0	U
	<i>Platanites raynoldsii</i>	1	1.1	0	100	0	0	0	T
	<i>Trochodendroides genetrix</i>	1	1.1	0	100	0	0	0	T
	<i>Zizyphoides flabella</i>	1	1.1	100	0	0	0	0	T
Total		92							

Table A3. SUMMARY DATA FOR B- PALEOCENE

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
	<i>Averrhoites affinis</i>	158	36.4	50	50	0	0	0	U
HB019		1	0.2	0	100	0	0	0	T
HB022		17	3.9	33.33	33.33	33.33	0	0	T
HB023		2	0.5	0	100	0	0	0	U
HB025		13	3.0	0	50	50	0	0	U
HB026		36	8.3	50	50	0	0	0	T
HB028		11	2.5	0	50	50	0	0	U
HB031		2	0.5	0	100	0	0	0	U
HB032		9	2.1	50	50	0	0	0	U
HB042		2	0.5	0	0	0	0	0	U
HB046		3	0.7	100	0	0	0	0	T
HB050		3	0.7	0	100	0	0	0	U
HB076		2	0.5	50	0	50	0	0	U
HB077		80	18.4	33.33	33.33	33.33	0	0	T
HB104		30	6.9	33.33	33.33	33.33	0	0	U
HB121		19	4.4	50	50	0	0	0	U
HB127		3	0.7	0	50	50	0	0	U
HB134		2	0.5	50	50	0	0	0	T
HB136		2	0.5	0	50	50	0	0	T
HB138		2	0.5	0	50	50	0	0	T
HB144		4	0.9	50	50	0	0	0	T
HB145		1	0.2	0	100	0	0	0	U
HB161		2	0.5	0	0	100	0	0	T
HB168		2	0.5	0	100	0	0	0	T
HB174		20	4.6	100	0	0	0	0	T
HB175		1	0.2	50	50	0	0	0	T
HB176		1	0.2	25	25	25	25	0	U
HB177		6	1.4	50	50	0	0	0	U
Total		434							

Table A4. SUMMARY DATA FOR C.1- PALEOCENE (COAL 80)

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
	<i>Averrhoites affinis</i>	1	0.4	100	0	0	0	0	U
HB172		3	1.3	0	100	0	0	0	T
HB173		1	0.4	0	100	0	0	0	U
HB174		3	1.3	50	50	0	0	0	T
HB176		12	5.2	33.3	33.3	33.3	0	0	U
HB177		3	1.3	100	0	0	0	0	U
HB178		1	0.4	0	100	0	0	0	U
HB179		1	0.4	100	0	0	0	0	U
HB183		1	0.4	0	0	0	0	100	U
	<i>Platanites raynoldsii</i>	136	59.4	25	25	25	0	25	T
	<i>Trochodendroides genatrix</i>	53	23.1	25	25	25	0	25	T
	<i>Zizyphoides flabella</i>	14	6.1	50	0	0	0	50	U
Total		229							

Table A5. SUMMARY DATA FOR C.2-PALEOCENE (coal 80)

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
	<i>Averrhoites affinis</i>	2	2.7	100	0	0	0	0	U
HB171		1	1.3	0	100	0	0	0	U
HB172		1	1.3	100	0	0	0	0	T
HB174		1	1.3	100	0	0	0	0	T
HB176		1	1.3	100	0	0	0	0	U
HB177		1	1.3	0	100	0	0	0	U
HB178		1	1.3	100	0	0	0	0	U
	<i>Platanites raynoldsii</i>	32	42.7	25	25	25	0	25	T
	<i>Trochodendroides genatrix</i>	33	44.0	25	25	25	0	25	T
	<i>Zizyphoides flabella</i>	2	2.7	100	0	0	0	0	U
Total		75							

Table A6. SUMMARY DATA FOR D.1-EOCENE [PETM rebound]

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
HB173		1	20	100	0	0	0	0	U
HB174		1	20	0	0	0	0	100	T
HB175		1	20	100	0	0	0	0	T
HB176		2	40	0	100	0	0	0	U
Total		5							

Table A7. SUMMARY DATA FOR D.2-EOCENE [PETM rebound]

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
	<i>Averrhoites affinis</i>	1	2.5	100	0	0	0	0	U
HB172		1	2.5	100	0	0	0	0	T
HB173		3	7.5	50	50	0	0	0	U
HB174		2	5	50	50	0	0	0	U
HB176		9	22.5	33.3	33.3	33.3	0	0	U
HB177		1	2.5	100	0	0	0	0	U
HB178		7	17.5	50	50	0	0	0	U
HB179		4	10	50	50	0	0	0	U
HB180		11	27.5	33.3	33.3	33.3	0	0	U
HB182		1	2.5	100	0	0	0	0	U
Total		40							

Table A8. SUMMARY DATA FOR D.3-EOCENE [PETM rebound]

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
HB173		1	9.1	100	0	0	0	0	U
HB176		5	45.5	33.3	33.3	33.3	0	0	U
HB177		1	9.1	100	0	0	0	0	U
HB178		2	18.2	50	50	0	0	0	U
	<i>Platanites raynoldsii</i>	1	9.1	0	0	100	0	0	T
	<i>Trochodendroides genatrix</i>	1	9.1	100	0	0	0	0	T
Total		11							

Table A9. SUMMARY DATA FOR E.1-EOCENE

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
	<i>Averrhoites affinis</i>	1	1.8	0	0	100	0	0	U
	<i>Fagopsiphyllum groenlandicum</i>	3	5.5	50	50	0	0	0	T
HB172		1	1.8	100	0	0	0	0	T
HB175		8	14.5	50	50	0	0	0	T
HB176		19	34.5	33.3	33.3	33.3	0	0	U
HB177		2	3.6	100	0	0	0	0	U
HB178		1	1.8	50	50	0	0	0	U
HB179		1	1.8	100	0	0	0	0	U
HB183		1	1.8	0	100	0	0	0	U
	<i>Macginitiea gracilis</i>	4	7.3	0	33.3	33.3	33.3	0	U
	<i>Platanites raynoldsii</i>	12	21.8	25	25	25	25	0	T
	<i>Trochodendroides genetrix</i>	2	3.6	100	0	0	0	0	T
TOTAL		55							

Table A10. SUMMARY DATA FOR E.2- EOCENE

Morphotype Number	Morphospecies	Total	Relative Abundance %	%Mi	%No	%Me	%Ma	%Na	Margin
	<i>Alnus sp.</i>	1	0.4	0	100	0	0	0	T
	<i>Averrhoites affinis</i>	3	1.1	50	50	0	0	0	U
HB172		1	0.4	100	0	0	0	0	T
HB173		10	3.7	50	50	0	0	0	U
HB174		1	0.4	100	0	0	0	0	T
HB175		4	1.5	50	50	0	0	0	T
HB176		155	58.1	25	25	25	25	0	U
HB177		25	9.4	50	50	0	0	0	U
HB178		21	7.9	33.3	33.3	33.3	0	0	U
HB179		1	0.4	100	0	0	0	0	U
HB181		1	0.4	0	100	0	0	0	U
HB182		3	1.1	50	50	0	0	0	U
HB183		30	11.2	33.3	33.3	33.3	0	0	U
	<i>Macginitiea gracilis</i>	1	0.4	0	0	100	0	0	U
	<i>Platanites raynoldsii</i>	9	3.4	33.3	33.3	33.3	0	0	T
	<i>Trochodendroides genatrix</i>	1	0.4	0	0	100	0	0	T
Total		267							

TABLE A11: DISTRIBUTION OF MORPHOTYPES ACROSS STRATIGRAPHIC LEVELS

Morphotype	A	B	C	D	E
<i>Alnus sp.</i>					X
<i>Averrhoites affinis</i>	X	X	X	X	X
<i>Fagopsiphyllum groenlandicum</i>	X				X
HB022	X	X			
HB023		X			
HB025	X	X			
HB026	X	X			
HB028	X	X			
HB030		X			
HB031		X			
HB032	X	X			
HB038	X				
HB042		X			
HB046	X	X			
HB050		X			
HB065		X			
HB076		X			
HB077	X	X			
HB104	X	X			
HB121	X	X			
HB122	X	X			
HB127		X			
HB134	X	X			
HB136		X			
HB138		X			
HB144	X	X			
HB145		X			
HB161	X	X			
HB164	X				
HB166	X				
HB167	X				
Morphotype	A	B	C	D	E
HB168	X	X			
HB171			X		
HB172	X		X	X	X
HB173	X		X	X	
HB174	X		X	X	
HB175		X		X	X
HB176	X	X	X	X	X
HB177	X	X	X	X	X
HB178	X		X	X	X
HB179			X	X	X
HB180				X	

HB181				
HB182	X		X	
HB183	X	X		X
<i>Macginitiea gracilis</i>				X
<i>Platanites raynoldsii</i>	X	X	X	X
<i>Trochodendroides genetrix</i>	X	X	X	X
<i>Zizyphoides flabella</i>	X	X		