

Table 6. Palynology samples from the Kiowa #1 core and corresponding age interpretations

Field Number	Core Depth (top)	Core Depth (bottom)	Core Tube	Palynology Slides (number of slides - not processed if blank)	Pollen Zone*	Age Interpretation**
FF9901-A	78.10	78.20	2	2		(latest Paleocene or younger)
FF9901-B	95.30	95.40	6	2		(latest Paleocene or younger)
FF9901-C	142.80	142.90	15	2		(latest Paleocene or younger)
FF9901-D	169.90	170.00	20	2		(latest Paleocene or younger)
FF9901-E	219.10	219.20	31	2		(latest Paleocene or younger)
FF9901-F	249.20	249.30	37	3		(latest Paleocene or younger)
FF9901-G	269.80	269.90	41	3		(latest Paleocene or younger)
FF9901-H	307.30	307.40	49	1		(latest Paleocene or younger)
(No field number)	327.20	327.30	53	2	P6/E	latest Paleocene/earliest Eocene
FF9901-I	329.50	329.60	53	4		(latest Paleocene/earliest Eocene)
(No field number)	330.50	330.60	54	2		(latest Paleocene/earliest Eocene)
FF9901-J	332.40	332.50	54	4	P6/E	latest Paleocene/earliest Eocene
(No field number)	335.60	335.70	55	1		(barren - Paleocene)
FF9901-K	336.50	336.60	55	1		(barren - Paleocene)
(No field number)	340.40	340.50	56			(barren - Paleocene)
FF9901-L	352.70	352.80	58	3		(barren - Paleocene)
(No field number)	373.40	373.50	61	2		(barren - Paleocene)
FF9901-M	375.60	375.70	62	2		(barren - Paleocene)
(No field number)	384.70	384.80	64	1		(barren - Paleocene)
FF9901-N	406.80	406.90	69	2		(barren - Paleocene)
(No field number)	411.30	411.50	70	2	P2(P3?)	Paleocene
(No field number)	420.80	420.90	72	2		(Paleocene)
FF9901-O	426.50	426.60	74	2		(Paleocene)
FF9901-P	447.90	no data	79	1		(Paleocene)
FF9901-Q	482.90	483.00	86	2		(Paleocene)
FF9901-R	491.90	492.00	88	2		(Paleocene)
FF9901-S	507.00	507.10	92	2		(Paleocene)
FF9901-T	538.00	538.10	98	2		(Paleocene)
FF9901-U	569.70	no data	unknown	2	P1	Paleocene
FF9901-V	577.10	577.20	106	4		(Paleocene)
FF9901-W	590.60	590.80	109	2	P1	Paleocene
FF9901-X	635.90	636.00	120	2		(Paleocene)
FF9901-Y	656.00	no data	126	2		(Paleocene)
FF9901-Z	679.60	679.60	131			(Paleocene)
FF9901-A2	701.50	701.25	137			(Paleocene)
FF9901-B2	706.40	706.45	138			(Paleocene)
FF9901-C2	716.00	716.10	140			(Paleocene)
FF9901-D2	727.35	727.45	142	4		(Paleocene)
FF9901-E2	742.60	742.70	145			(Paleocene)
FF9901-F2	754.80	754.90	148			(Paleocene)
FF9901-G2	770.30	770.40	152			(Paleocene)
FF9901-H2	783.90	784.00	154			(Paleocene)
FF9901-I2	786.80	786.90	155			(Paleocene)
FF9901-J2	797.00	797.10	158			(Paleocene)
FF9901-K2	810.70	no data	160	2		(Paleocene)
FF9901-L2	817.80	no data	162			(Paleocene)
FF9901-M2	824.90	825.10	164			(Paleocene)
FF9901-N2	835.40	835.50	166			(Paleocene)
FF9901-O2	841.10	841.20	168	2		(Paleocene)
FF9901-P2	847.70	847.80	169			(Paleocene)
FF9901-Q2	857.00	857.10	171			(Paleocene)
FF9901-R2	861.00	861.10	172			(Paleocene)
FF9901-S2	872.00	872.10	175	2		(Paleocene)
FF9901-T2	874.80	874.90	176	2	P1	Paleocene
(No field number)	876.80	876.90	unknown	2	P1	Paleocene
(No field number)	878.30	no data	unknown	2	P1	Paleocene
(No field number)	880.20	880.30	unknown	2	W.s. AZ	Late Cretaceous - Maastrichtian
(No field number)	880.50	880.60	unknown	2	W.s. AZ	Late Cretaceous - Maastrichtian
FF9901-U2	881.40	881.45	177	2	W.s. AZ	Late Cretaceous - Maastrichtian
FF9901-V2	890.30	890.40	179	2	W.s. AZ	Late Cretaceous - Maastrichtian
FF9901-W2	899.35	899.40	181	2	W.s. AZ	Late Cretaceous - Maastrichtian
FF9901-X2	910.50	no data	184	2		(Late Cretaceous - Maastrichtian)
FF9901-Y2	922.40	922.50	186	2		(Late Cretaceous - Maastrichtian)
FF9901-Z2	931.50	931.60	189			(Late Cretaceous - Maastrichtian)
FF9901-A3	941.30	941.40	191			(Late Cretaceous - Maastrichtian)
FF9901-B3	953.45	953.50	194	2		(Late Cretaceous - Maastrichtian)
FF9901-C3	962.80	961.85	197			(Late Cretaceous - Maastrichtian)
FF9901-D3	974.80	974.85	199			(Late Cretaceous - Maastrichtian)
FF9901-E3	984.70	984.75	201			(Late Cretaceous - Maastrichtian)
FF9901-F3	994.50	994.55	203	2	W.s. AZ	Late Cretaceous - Maastrichtian

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FF9901-G3	1015.45	1015.50	208	2		(Late Cretaceous - Maastrichtian)
FF9901-H3	1025.00	1025.10	210			(Late Cretaceous - Maastrichtian)
FF9901-I3	1035.00	1035.20	unknown			(Late Cretaceous - Maastrichtian)
FF9901-J3	1045.30	1045.40	unknown	2	W.s. AZ	Late Cretaceous - Maastrichtian
FF9901-K3	1068.40	1068.50	unknown			(Late Cretaceous)
FF9901-L3	1078.50	1078.60	222			(Late Cretaceous)
FF9901-M3	1084.60	1084.70	224			(Late Cretaceous)
FF9901-N3	1094.25	1094.30	226			(Late Cretaceous)
FF9901-O3	1107.40	1107.45	229			(Late Cretaceous)
FF9901-P3	1114.10	1114.20	231			(Late Cretaceous)
FF9901-Q3	1143.70	1143.80	238			(Late Cretaceous)
FF9901-R3	1162.40	1162.50	243			(Late Cretaceous)
FF9901-S3	1193.00	1193.10	249			(Late Cretaceous)
FF9901-T3	1223.10	1223.20	256			(Late Cretaceous)
FF9901-U3	1246.70	1246.80	261			(Late Cretaceous)
FF9901-V3	1270.80	1270.90	266			(Late Cretaceous)
FF9901-W3	1295.40	1295.50	271			(Late Cretaceous)
FF9901-X3	1314.90	1315.00	276			(Late Cretaceous)
FF9901-Y3	1336.80	1336.90	281			(Late Cretaceous)
FF9901-Z3	1363.70	1363.80	287			(Late Cretaceous)
FF9901-A4	1383.80	1383.90	292			(Late Cretaceous)
FF9901-B4	1403.20	1403.30	297			(Late Cretaceous)
FF9901-C4	1426.65	1426.75	302			(Late Cretaceous)
FF9901-D4	1463.80	1463.90	309			(Late Cretaceous)
FF9901-E4	1486.20	1486.30	314			(Late Cretaceous)
FF9901-F4	1514.70	1514.80	320			(Late Cretaceous)
FF9901-G4	1551.45	1551.50	330			(Late Cretaceous)
FF9901-H4(a)	1566.20	1566.25	unknown			(Late Cretaceous)
FF9901-H4(b)	1578.50	1578.60	338			(Late Cretaceous)
FF9901-I4	1600.30	1600.40	343			(Late Cretaceous)
FF9901-J4	1649.10	1649.20	353			(Late Cretaceous)
FF9901-K4	1677.80	1677.90	359			(Late Cretaceous)
FF9901-L4	1704.20	1704.30	366			(Late Cretaceous)
FF9901-M4	1729.60	1729.70	371			(Late Cretaceous)
FF9901-N4	1756.00	1756.10	378			(Late Cretaceous)
FF9901-O4	1790.40	1790.50	387			(Late Cretaceous)
FF9901-S4	1800.90	1801.00	1A			(Late Cretaceous)
FF9901-P4	1814.40	1814.50	391			(Late Cretaceous)
FF9901-T4	1825.00	1825.10	7A			(Late Cretaceous)
FF9901-Q4	1837.85	1837.90	397			(Late Cretaceous)
FF9901-U4	1848.50	1848.60	12A			(Late Cretaceous)
FF9901-R4	1850.50	1850.60	401			(Late Cretaceous)
FF9901-V4	1979.50	no data	40A			(Late Cretaceous)
FF9901-W4	2003.90	2004.00	45A			(Late Cretaceous)
FF9901-X4	2050.70	2050.80	55A			(Late Cretaceous)

*Pollen Zone: Samples are assigned to Western Interior pollen zones based on palynomorphs contained in the assemblages from the sample. P1-P6 are zones published by Nichols and Ott (1978). W.S. AZ = *Wodehouseia spinata* Assemblage Zone of Nichols and Ott

**Age interpretations in bold are based on pollen assemblages in the slide, all others are based on stratigraphic position