

APPENDIX

Key Species and Approximate Ages

Core, section, interval (cm)	Epoch	Stage	Zone	Age (Ma)	Bryozoans	<i>Buliminina consanguinea</i>	<i>Buliminina schenki</i>	<i>Buliminina semicostata</i>	<i>Buliminina semicostata lacrima</i>	<i>Buliminina</i> sp.	<i>Cibicidoides blanpliedi</i>	<i>Cibicidoides cf. sassei</i>	<i>Cibicidoides eocenius</i>	<i>Cibicidoides kennensis</i>	<i>Cibicidoides laurisae</i>	<i>Cibicidoides sassei</i>	<i>Cibicidoides scrobiculata</i>	<i>Discorbis</i> sp.	Echinoid spines	<i>Globorotalia acuta</i> *	<i>Globorotalia ampliapertura</i> *	<i>Globorotalia aragonensis?</i>	<i>Globorotalia cf. aragonensis*</i>	<i>Globorotalia cf. spinuosa</i> *	<i>Globorotalia cf. wilcoxensis</i> *	<i>Globorotalia nicoli</i> *	<i>Globorotalia pseudotopolensis?</i> *	<i>Globorotalia</i> sp.*	<i>Globorotalia triloculinoides</i> *	<i>Globorotalia unicinata</i> *	<i>Globorotalia yequensis</i> *	<i>Hemicythere</i> sp.	<i>Lagenia</i> sp.	<i>Marginulina</i> sp.	Ostracodes	<i>Quinqueloculina</i> cf. <i>yequensis</i>	<i>Quinqueloculina josephina</i>	<i>Quinqueloculina</i> sp.	<i>Quinqueloculina yequensis</i>	<i>Silicosigmoilina</i> sp.	<i>Silicosigmoilina californica</i>	<i>Tritaria</i> sp.	<i>Valvulinaria</i> scrobiculata						
197-1206A-																																																	
22R-2, 72-74	Barren																																																
27R-2, 52-56	Eocene	Ulatisian–Narizian	P6–P16	53–41																																													
30R-2, 112–114	Eocene	Penutian–Ulatisian	P7–P9	52–49																																													
30R-2, 49–51	Essentially barren																																																
30R-2, 73–75	Eocene	Ulatisian–Narizian	P7–P11	51–47																																													
30R-3, 136–138	Eocene	Penutian	P6–P7	53–51																																													
30R-4, 45–47	Eocene		P8–P14	51–44																																													
30R-4, 92–94†	Eocene	Penuthian–Early Ulatisian	P7–P9	51–49	R	R	F	A																																									
34R-2, 116–118	Eocene	Penutian–Ulatisian	P7–P8	52–50																																													
34R-2, 35–37	Eocene	Penutian–Narizian	P6–P14	52–44	F	F																																											
34R-2, 6–9	Eocene	Penutian–Narizian	P7–P12	51–46																																													
34R-2, 96–98	Eocene	Penutian	P7	52–51																																													
34R-3, 104–106	Barren																																																
34R-4, 135–138	Eocene	Penutian–Ulatisian	P6–P8	53–50																																													
34R-4, 5–7	Eocene	Penutian–Narizian	P7–P12	51–46																																													
34R-5, 129–131	Eocene	Penutian	P6–P7	53–51	VR																																												
34R-5, 69–72	Barren																																																
35R-1, 26–29	Barren																																																
35R-2, 21–24	Barren																																																
35R-2, 75–77	Essentially barren																																																
35R-3, 101–103	Barren																																																
35R-4, 10–12	Barren																																																
35R-5, 1–3																																																	
35R-5, 98–101	Barren																																																
36R-1, 18–22	Eocene	Penutian–Narizian	P7–P12	51–46	R																																												
41R-3, 32–34	Barren																																																
45R-2, 111–113	Eocene	Penutian–Ulatisian	P6–P7	52–51	R	R																																											
45R-2, 93–95	Eocene	Penutian	P6–P7		VR																																												
45R-3, 56–58	Eocene	Ulatisian–Narizian	P9–P16	50–40	VR																																												
45R-3, 89–91	Eocene	Ulatisian–Narizian	P7–P11	51–47	VR																																												

Notes: * = planktonic foraminifer. † = faunal change. Abundance: A = abundant (>25 specimens), C = common (15–25 specimens), F = frequent (7–10 specimens), R = rare (4–6 specimens), VR = very rare (2–3 specimens).