



DMAG

DECADE OF NORTH AMERICAN GEOLOGY GEOLOGIC TIME SCALE

GEOLOGICAL SOCIETY
OF AMERICA



CENOZOIC				MESOZOIC				PALEOZOIC				PRECAMBRIAN									
AGE (Ma)	PERIOD	EPOCH	AGE	AGE (Ma)	PERIOD	EPOCH	AGE	AGE (Ma)	PERIOD	EPOCH	AGE	AGE (Ma)	ERA	BDY AGES (Ma)							
0.01	QUATERNARY	HOLOCENE	CALABRIAN	66.4	CRETACEOUS	LATE	MAASTRICHTIAN	245	PERMIAN	LATE	TATARIAN	245	LATE	570							
1.6	NEOGENE	PLIOCENE	PIACENZIAN	70			EARLY	NEOCOMIAN			KAZANIAN	253		EARLY	KAZANIAN	253	LATE	570			
3.4			ZANCLEAN	33							HAUTERIVIAN	124				KURUMIAN			258	KURUMIAN	258
5.3			MESSINIAN	33							VALANGINIAN	131				ARTINSKIAN			263	ARTINSKIAN	263
6.5	MIOCENE	L	TORTONIAN	80			ALBIAN	113			SAKMARIAN	268		SAKMARIAN	268	EARLY	ASSELLIAN	286	MIDDLE	570	
11.2			SERRAVALLIAN	100			CENOMANIAN	97.5			GZELIAN	286		KASIMOVIAN	296		LATE	MOSCOWIAN			296
15.1			LANGHIAN	110			EARLY	APTIAN			119	BASHKIRIAN		315	BASHKIRIAN			315			
16.6			BURDIGALIAN	120							BARREMIAN	124		SERPUKHOVIAN	320		SERPUKHOVIAN	320			
21.8	OLIGOCENE	E	AQUITANIAN	130			MIDDLE	VALANGINIAN			131	MIDDLE		EIFELIAN	387	EARLY	EMSIAN	387	EARLY	570	
23.7			CHATTIAN	140							BERRIASIAN				144			DEVONIAN			380
30.0	EOCENE	L	RUPELIAN	150	LATE	TITHONIAN	152	EARLY	SIEGENIAN	394	EARLY	SIEGENIAN	394	LATE	2500						
36.6			PRIABONIAN	160			KIMMERIDGIAN			156			DEVONIAN			400	DEVONIAN	400			
40.0			BARTONIAN	170			OXFORDIAN			163			DEVONIAN			420	DEVONIAN	420			
43.6	PALEOCENE	E	LUTETIAN	180	MIDDLE	BAUDOCIAN	176	MIDDLE	CARADOCIAN	448	MIDDLE	CARADOCIAN	448	LATE	2750						
45							YPRSIAN			190			BAUDOCIAN			183	DEVONIAN	460	DEVONIAN	460	
52.0	PALEOGENE	M	LUTETIAN	190	EARLY	TOARCIAN	187	EARLY	LLANVIRNIAN	468	EARLY	ARENIGIAN	478	MIDDLE	3000						
57.8							SELIANDIAN			200			PLENSBACHIAN			193	DEVONIAN	480	DEVONIAN	480	
60.6							THANETIAN			210			SINEMURIAN			198	DEVONIAN	500	DEVONIAN	500	
63.6	PALEOCENE	L	YPRSIAN	220	LATE	NORIAN	204	LATE	TREMADOCIAN	488	LATE	TREMADOCIAN	488	MIDDLE	3250						
66							DANIAN			230			HETTANGIAN			208	DEVONIAN	500	DEVONIAN	500	
63.6	PALEOCENE	E	DANIAN	230	EARLY	NORIAN	208	EARLY	TREMADOCIAN	488	EARLY	TREMADOCIAN	488	MIDDLE	3500						
66							UNNAMED			240			CARINIAN			225	DEVONIAN	520	DEVONIAN	520	
63.6	PALEOCENE	L	DANIAN	240	MIDDLE	LADINIAN	235	MIDDLE	FRANCONIAN	523	MIDDLE	FRANCONIAN	523	EARLY	3750						
66							UNNAMED			245			ANISIAN			240	DEVONIAN	540	DEVONIAN	540	
63.6	PALEOCENE	E	DANIAN	240	EARLY	SCYTHIAN	245	EARLY	DRESBACHIAN	536	EARLY	DRESBACHIAN	536	EARLY	3800?						
66							UNNAMED			250			CARINIAN			245	DEVONIAN	540	DEVONIAN	540	
63.6	PALEOCENE	L	DANIAN	250	LATE	NORIAN	245	LATE	FRANCONIAN	536	LATE	FRANCONIAN	536	EARLY	3800?						
66							UNNAMED			250			CARINIAN			245	DEVONIAN	540	DEVONIAN	540	
63.6	PALEOCENE	E	DANIAN	250	EARLY	SCYTHIAN	245	EARLY	DRESBACHIAN	536	EARLY	DRESBACHIAN	536	EARLY	3800?						
66							UNNAMED			250			CARINIAN			245	DEVONIAN	540	DEVONIAN	540	
63.6	PALEOCENE	L	DANIAN	250	MIDDLE	LADINIAN	235	MIDDLE	FRANCONIAN	523	MIDDLE	FRANCONIAN	523	EARLY	3800?						
66							UNNAMED			250			CARINIAN			245	DEVONIAN	540	DEVONIAN	540	
63.6	PALEOCENE	E	DANIAN	250	EARLY	SCYTHIAN	245	EARLY	DRESBACHIAN	536	EARLY	DRESBACHIAN	536	EARLY	3800?						
66							UNNAMED			250			CARINIAN			245	DEVONIAN	540	DEVONIAN	540	

RAPID POLARITY CHANGES