
Mary MacKillop Penola Centre

GEOLOGICAL TIME SCALE: THE GOUDEY COLLECTION FOSSILS



F42 *Mesopeplum gambierense* (1867)

MYA = million years ago

F=Fossil

BF=Botanical Fossil

F47; BF3 at 14.3.07

ERA	PERIOD Epoch	MYA	FOSSILS NAMED BY WOODS in The Goudey Collection (Note: F16, F23, F31, F33 renamed; F9 named by others)
CAINOZOIC	QUATERNARY		
	Holocene	0	
	Pleistocene	2	[Late Pliocene-Pleistocene F15]
	TERTIARY		
	Pliocene	5	Late Pliocene-Pleistocene F15 <i>Austrothyro grandis</i> (1865) Glenelg River, Dartmoor, Vic F47 <i>Lovenia woodsi</i> (Etheridge, 1875) Murray River Cliffs, Sunlands, SA, Loxton Sands Formation [2]
	Miocene	25	Late Miocene

		<p>Middle Miocene</p> <p>F2 <i>Serripecten yabliensis</i> (1865) Muddy Creek, Hamilton, Vic</p> <p>F5 <i>Friginatica wintlei</i> (1876) Muddy Creek, Hamilton, Vic</p> <p>F6 <i>Lilax conobelix</i> (1877) Fossil Beach, Mornington, Vic</p> <p>F8 <i>Parviconus pullulenscens</i> (1879b) Muddy Creek, Hamilton, Vic</p> <p>F10 <i>Architectonica balcombensis</i> (Finlay, 1927b) Murray River Cliffs, Murbco, SA. Woods had named it "<i>Solarium acutum</i>" 1879a.</p> <p>F11 <i>Niso psila</i> (1879b) Fossil Beach, Mornington, Vic</p> <p>F13 <i>Ellicea succinta</i> (1879b) Muddy Creek, Hamilton, Vic</p> <p>F14 <i>Cyclaster archeri</i> (1867) Murray River Cliffs, Morgan, SA.</p> <p>F16 <i>Gyrineum mccoysi</i> (Pritchard 1893) Batesford Quarry, Geelong, Vic. Woods had named it <i>Triton prattii</i> after Samuel Pratt Winter but it was preoccupied and Pritchard renamed it.</p> <p>F17 <i>Hypocassis exigua</i> (1879b) Muddy Creek, Hamilton, Vic</p> <p>F19 <i>Glycymeris cainozoica</i> (1877) Muddy Creek, Hamilton, Vic</p> <p>F20 <i>Conus ralphii</i> (1878a) Muddy Creek, Hamilton, Vic</p> <p>F24 <i>Austrolithes tateana</i> (1877) Fossil Beach, Mornington, Vic</p> <p>F25 <i>Austrotriton woodsii</i> (1879a) Batesford Quarry, Geelong, Vic Tate named this species but Woods described it.</p> <p>F27 <i>Cancellaria varicifera</i> (1879a) Fossil Beach, Mornington, Vic</p> <p>F28 <i>Micantapex rhomboidalis</i> (1879a) Fossil Beach, Mornington, Vic</p> <p>F29 <i>Chama lamellifera</i> (1877) Batesford Quarry, Geelong, Vic</p> <p>F30 <i>Eumitra alokiza</i> (1879b) Batesford Quarry, Geelong, Vic</p> <p>F32 <i>Jetwoodsia apbeles</i> (1879) Muddy Creek, Hamilton, Vic</p> <p>F37 <i>Aturia cubaensis</i> (Lea 1841) Woods had named it <i>Aturia ziczac</i> c1862.</p> <p>F42 <i>Mesopeplum gambierense</i> (1867) Henschke's Quarry, Naracoorte SA</p> <p>F43 <i>Hina cainozoica</i> (1877) Murray River Cliffs, Merbco, SA</p> <p>F45 <i>Lucerapex murndaliana</i> (1879) Muddy Creek, Hamilton, Vic [2]</p> <p>F46 <i>Celleporaria nummularia</i> (1862) Murray River Cliffs, Morgan, SA. Cited as named by Busk 1860 but no description. Woods becomes the author.</p>
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			<p>Early Miocene</p> <p>F1 <i>Austrocypraea archeri</i> (1876) Fossil Bluff, Wynyard, Tas F3 <i>Panope agnewi</i> (1876) Fossil Bluff, Wynyard, Tas F7 <i>Nannamoria weldii</i> (1876) Fossil Bluff, Wynyard, Tas F21 <i>Typhis mccoysi</i> (1876) Fossil Bluff, Wynyard, Tas</p> <p>F22 <i>Paziella eyrie</i> (1877) Fossil Bluff, Wynyard, Tas F26 <i>Austrosassia abboti</i> (1876) Fossil Bluff, Wynyard, Tas F39 <i>Glans gracilicostata</i> (1877) Fossil Bluff, Wynyard, Tas F40 <i>Eucrassatella oblonga</i> (1876) Fossil Bluff, Wynyard, Tas F41 <i>Colpospira warburtonii</i> (1876) Fossil Bluff, Wynyard, Tas F44 <i>Echinolampas gambierensis</i> (1876) Mt Gambier, SA</p> <p>Late Oligocene</p> <p>F4 <i>Fusinus meredithae</i> (1876) Jan Juc, Vic F9 <i>Belaphas woodsii</i> (Tate 1888) Named in honour of Woods F18 <i>Lovenia forbesi</i> (1862) Jan Juc, Vic F23 <i>Terebra tenisoni</i> (Finlay 1927) Woods had named the species but it was preoccupied and Finlay renamed it in his honour. F31 <i>Mopsea tenisoni</i> (Chapman 1913) Woods had named it <i>Isis dactyla</i> in 1880. Chapman transferred it to the genus <i>Mopsea</i> and renamed it.</p> <p>Late Eocene</p> <p>F33 <i>Jetwoodsia nullarborica</i> (Chapman & Crespin 1934). Blanche Point, Aldinga Bay, SA. In 1971 Dr N H Ludbrook erected a new genus for Woods, <i>Jetwoodsia</i> F36 <i>Deltocyathus aldingensis</i> (1878) Blanche Point, Aldinga Bay, SA.</p>
	Oligocene	36	
	Eocene	53	
	Paleocene	65	

MESOZOIC	CRETACEOUS	140	F38 <i>Sanmartinoceras olene</i> (1883) Blacktown Formation, Walsh River, North Qld F? <i>Peratobelus sellheimi</i> (1883) Blacktown Formation, Elizabeth Creek, Wrotham Park, Qld
	JURASSIC	205	F12 ' <i>Allocladus milneana</i> (1884) Ballimore coal field, Talbragar River, NSW [Also Botanical Fossil BF1]
	TRIASSIC	245	BF2 <i>Dicroidium odontopteroides</i> (Morris, 1845); Gothan, 1912; <i>subspecies lineatum</i> (Tenison Woods, 1883); Anderson & Anderson, 1892. Dinmore, Ipswich, Qld. Triassic. BF3 <i>Dicroidium elongatum</i> (Carruthers, 1872); Archangelsky, 1968. <i>forma spinifolium</i> (Tenison Woods, 1883); Anderson & Anderson. Dinmore, Ipswich, Qld. Triassic.
PALAEOZOIC	PERMEAN	285	
	CARBONIFEROUS	360	
	DEVONIAN	410	
	SILURIAN	440	
	ORDOVICIAN	505	
	CAMBRIAN	570	
PROTEROZOIC	PRE-CAMBRIAN	2500	
ARCHEAN		4500	

Sources: Christopher J Goudey, *Fossils in The Goudey Collection*, 2006; SA Department of Mines and Energy, *Geology of the South East*, 1988. Ages similar to table compiled by Lyn Topinka, USGS/CVO, 1997, 2000, 2001, modified in 2006 to match Geological Society of America *Geologic Timescale* 1999. Margaret Muller, Penola, March 2007

