

MESOZOIC STRATIGRAPHIC CHART

ERATHEM	SYSTEM	SERIES	GROUP	FORMATION/MEMBER ¹	REMARKS			
MESOZOIC	CRETACEOUS	UPPER	GULF	Arkadelphia	Selin Group Δ	1) Formations and members are shelf units. The right column shows distal-source facies (shelfedge or basin) as indicated by explanation.		
				Nacatoch				
				Saratoga				
				Marlbrook				
				Annona				
				Ozan				
				Brownstown				
				Tokio				
				Rapides				
				TUSCA-LOOSA			Upper	Eagle Ford Fm Δ
		Middle	Pepper Shale Δ					
		LOWER	COMANCHE	WASHITA ³	South Tyler	Upper Malver Shale Δ	3) Washita units preserved beneath the sub-Gulfian unconformity primarily within the North Louisiana Syncline, subsurface only (see AAPG COSUNA Gulf Coast Region Correlation Chart (1988): columns 7-10; Anderson, E. G. (1979). Basic Mesozoic Study in Louisiana, the Northern Coastal Region, and the Gulf Basin Province. Folio Series No.3. Baton Rouge: Louisiana Geological Survey.	
					Buda			
					Grayson			
					Main Street			
					Pawpaw-Weno			
					Denton			
					Fort Worth			
					Duck Creek	Upper		
					Kiamichi	Lower		
Fredericksburg ⁴	Goodland				Benbrook	4) Fredericksburg units not preserved over the crest of the Sabine and Monroe uplifts or the Lake Bistineau trend (in the North Louisiana Syncline) between the uplifts.		
Paluxy	Marys Creek							
LOWER	TRINITY ⁵	Rusk	Upper Mooringsport	Upper Glen Rose ⁶	5) Upper parts of the Trinity not preserved over the highest parts of the Sabine Uplift: these and older Cretaceous units are absent over higher elements of the Monroe Uplift (see AAPG COSUNA Gulf Coast Region Correlation Chart (1988): columns 7-9 Anderson 1979).			
		Ferry Lake Anhydrite	Pearsall Fm/Stuart City Fm Δ					
		Rodessa Fm	Pearsall Fm/Stuart City Fm Δ					
		James Fm	Pearsall Fm/Stuart City Fm Δ					
		Pine Island Fm	Pearsall Fm/Stuart City Fm Δ					
		COAHUILA	UNNAMED	Sligo		Pettet ⁶	Unnamed Reef	6) The Terms Upper Glen Rose and Pettet are still used by some geologists, the latter being a synonym for the Sligo, especially as to porous zones of that formation.
				Hosston		Givens \diamond		
				Grambling \diamond				
				Caspiana \diamond				
				Napper \diamond				
JURASSIC	UPPER	ARK-LA-TEX	COTTON VALLEY	Aycock \diamond	Bossier Shale Δ	7) This terminology is presently in use by certain industry geologists (see Mann and Thomas 1964: Gulf Coast Association of Geological Societies Transactions 14:143-53).		
				Hughes \diamond				
				Sentell \diamond				
				Lenton \diamond				
				Upper Roseberry				
				Sexton				
				Taylor				
				Sub-Taylor				
				Upper Millerton \diamond				
				Middle \square				
	Lower							
	MIDDLE	LOUARK	LOUARK	Upper	Bossier Shale Δ	# Provincial series boundaries do not correspond precisely with standard European series boundaries		
				Gamma Buckner				
				James Estate				
				Beta Buckner				
				Jones				
				Alpha Buckner				
				Upper Smackover				
				Banks \square				
				Lower				
Basal								
Norphlet								
LOWER	LOUISIANA	LOUISIANA	Louann Salt	Bossier Shale Δ	+ Intervals also constitute depositional sequences			
			Werner					
UPPER	LOUISIANA	LOUISIANA	Upper	Bossier Shale Δ	○ Units paleontologically zoned [see AAPG COSUNA Chart (1988); Swain and Anderson (Bulletin 45)]			
			Lower					
UPPER	LOUISIANA	LOUISIANA	Eagle Mills	Bossier Shale Δ	+ Shelfedge barrier reef			
UPPER	LOUISIANA	LOUISIANA		Bossier Shale Δ	Δ Basin facies, distal source			
UPPER	LOUISIANA	LOUISIANA		Bossier Shale Δ	\square Ammonite-bearing tongue extending into areas which are normally shelf			
UPPER	LOUISIANA	LOUISIANA		Bossier Shale Δ	\diamond New names proposed by Swain, F. M. and Anderson, E. G. in Stratigraphy and Ostracoda of the Northern Gulf Coastal Region. Baton Rouge: Louisiana Geological Survey (Bulletin 45).			
UPPER	LOUISIANA	LOUISIANA		Bossier Shale Δ				

UNDIFFERENTIATED PALEOZOIC