

COMPOSITE SURFACE AND SUBSURFACE COLUMNAR SECTION OF LOUISIANA

ERATHEM	SYSTEM	SERIES	GROUP	FORMATION/ MEMBER	REMARKS			
CENOZOIC	QUATERNARY	HOLOCENE		RECENT ALLUVIUM				
		PLEISTOCENE	Terrace - associated deposits, Valley - train deposits, and Loess	(see Quaternary stratigraphic correlation chart)	Loess forms a veneer on terraces locally. Fluvial and coast-parallel surfaces; subsurface marine equivalents downdip zoned on paleontology (no surface-subsurface equivalency scheme generally accepted.) No diagnostic lithologies.			
		PLIOCENE	Upland Allogroup		Zoned in marine subsurface on paleontology.			
		MIOCENE		Blounts Creek Castor Creek Williamson Creek Dough Hills Carnahan Bayou Lena	1) Subsurface marine beds zoned arbitrarily into upper, middle, and lower, based on paleontology. 2) Catahoula may be Miocene in part in subsurface.			
	OLIGOCENE			Catahoula ² Anahuac Frio	Frio and Anahuac are wedges recognized in subsurface only.			
		Vicksburg	Nash Creek (W) = Rosefield (E) Sandel	These are surface units, not subdivided in the subsurface.				
	TERTIARY	EOCENE	Jackson	Mosley Hill Danville Landing Yazoo Clay Moody's Branch	Most of these are recognized both at the surface and in the subsurface.			
				Claiborne		Cockfield Cook Mountain Sparta Cane River ³ Carrizo ⁴	3) Equivalent to Weches, Queen City, and Reklaw of Texas.	
						WILCOX	Sabinetown Pendleton Marthaville Hall Summit Lime Hill ⁵ Converse Cow Bayou ⁵ Dolet Hills ⁵ Naborton	4) Informal usage lumps Carrizo Formation with Wilcox Group. 5) Formerly designated as members of the Logansport Formation.
							Porters Creek Clay	These units are present only very locally at the surface.
			Midway	Kincaid				
		MESOZOIC	CRETACEOUS	GULF	Navarro *		Arkadelphia Nacatoch Saratoga	The only Mesozoic rocks (all upper Cretaceous) that have been identified at the surface are those on a few piercement salt domes in the northern part of the state.
					Taylor *		Marlbrook Annona Ozan	
					Austin *		Brownstown Tokio	
					Eagle Ford *	Upper # Lower #		
					TUSCALOOSA	Upper Middle Lower ⁶	6) Equivalent to the Woodbine of Texas.	
	WASHITA *					South Tyler Buda Grayson Main Street PawPaw - Weno Denton Fort Worth Duck Creek Kiamichi	Washita units are present primarily within the salt-dome basins of the Interior Salt Basin (subsurface only).	
				COMANCHE	Fredericksburg *	Goodland	Fredricksburg and upper parts of the Trinity are not present over highest elements of the Sabine Uplift; these and older Comanche units are also absent over highest elements of the Monroe Uplift.	
					Trinity *	Paluxy Rusk ⁷ Ferry Lake Rodessa James Pine Island		7) Equivalent to Upper Glen Rose of Ark-La-Tex area.
				COAHUILA *	Nuevo Leon	Sligo Hosston ⁸	8) Some of Hosston Formation may belong in Cotton Valley.	
JURASSIC	UPPER			Cotton Valley *	Dorcheat ⁹ Shongaloo ⁹ Milleron (shd) ⁹	Knowles ⁸ Hico ⁸ Terryville ¹⁰ Bossier ¹⁰	9) Unconformity - bounded units proposed by Swain and Anderson (Bulletin 45) and in part by Anderson (1979). See also AAPG Cosuna Gulf Coast Region Correlation Chart (1988).	
		Louark *	Haynesville Smackover Norphlet		10) Lithofacies units commonly recognized by industry geologists in the Ark-La-Tex area.			
	MIDDLE	Louisiana ¹¹ #	Louann	11) Equivalent to Louann Group in other usage.				
	LOWER		Werner					
TRIASSIC	UPPER		Eagle Mills					

- Units proposed by E. G. Anderson in Basic Mesozoic Study in Louisiana, the Northern Gulf Basin Province: Louisiana Geological Survey Folio Series No. 3, 1979.

* - These units are more properly designated as time-stratigraphic rather than rock-stratigraphic, i.e., stage rather than group and substage rather than formation. Upper Paleozoic rocks have been encountered to date in two deep wells: Union Producing Co., A-1 Tensas Delta, Morehouse Parish; Exxon, 1-Boise Southern, Sabine Parish.