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-parrallel surfaces; subsurface marine equivalents downdip zoned on paleontology (no surface-subsurface equivalency scheme generally accepted.) No diagnostic lithologies.
	TERTIARY	PLIOCENE	Upland Allogroup		Zoned in marine subsurface on paleontology.
		MIOCENE		Fleming [1]: 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.
		EOCENE	Jackson	Mosley Hill; Danville Landing; Yazoo Clay; Moodys 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.
		PALEOCENE	Wilcox	Sabinetown; Pendleton; Marthaville; Hall Summit; Lime Hill [5]; Converse; Cow Bayou [5]; Dolet Hills [5]; Naborton	These are surface units ; generally undifferentiated in the subsurface. 4) Informal usage lumps Carrizo Formation with Wilcox Group. 5) Formerly designated as members of the Logansport Formation.
			Midway	Porters Creek Clay; Kincaid	These units are present only very locally at the surface.
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.
		COMANCHE	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).
			Fredericksburg *	Goodland; Paluxy	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 *	Rusk [7] (Mooringsport Member); 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]; Bossier (basin) [9]; Millerton (shelf) [9]; Schuler: Knowles [8], Hico [8], Terry-ville [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). 10) Lithofacies units commonly recognized by industry geologists in the Ark-La-Tex area.
			Louark *	Haynesville; Smackover; Norphlet	
		MIDDLE / LOWER	Louisiana [11] #	Louann; Werner	11) Equivalent to Louann Group in other usage.
	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-statigraphic, 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.

Figure 2-1 Louisiana Stratigraphic Column (from Louisiana Geological Society)