## STRATIGRAPHIC AND GEOHYDROLOGIC UNITS OF LOUISIANA

	000000			GEOHYDROLOGIC UNIT								
SYSTEM	SERIES	STRATIGRAPHIC UNIT		Northern Louisiana	Southeast <sup>1</sup> Louisiana							
		UNIT		Aquifer or Confining Unit	Aquifer System or Confining Unit	Aquifer or Confining Unit		- Aquifer System or			Aquifer St Tammany, New Orleans area	
						Lake Charles Area	Rice Growing Area	Confining Unit		Baton Rouge Area	Tangipahoa & Washington Parishes	and lower Mississippi River parishes
	HOLOCENE		fferentiated alluvial deposits River alluvial deposits issippi River alluvial deposits	Undifferentiated alluvial aquifers	Alluvial aquifer system	Undifferentiated alluvial aquifers		Alluvial Aquifer System		Undifferentiated alluvial aquifers		
QUATERNARY	PLEISTOCENE	Northern Louisiana terrace deposits Unnamed Pleistocene deposits Upland Complex <sup>2</sup>		Northern Louisiana terrace aquifer	Chicot aquifer system	"200 foot" aquifer "500 foot" aquifer	Upper Chicot aquifer Lower Chicot aquifer	- Chicot equivlent aquifer system	ſEM	''400-foot' ''600-foot'	Shallow Upper Ponchatoula	Gramercy Norco Gonzales New Orleans
TERTIARY	PLIOCENE	FORMATION	Blounts Creek Member <sup>2</sup>		Evangeline aquifer			Evangeline <sup>2</sup> equivalent	FER SYSTEM	"800-foot" "1000-foot' "1200-foot'	Lower Ponchatoula Big Branch Kentwood	"1200-foot" Unnamed saline
	MIOCENE							aquifer system	AQUIFER	"1500-foot' "1700-foot'	Abita Covington Slidell	aquifers
			Castor Creek Member	Equivalent aquifers absent in this area	Castor Creek confining unit			Castor Creek equivalent confining unit	RN HILLS	"2000-foot" "2400-foot" "2800-foot"	Tchefuncta Hammond Amite Ramsey	
		FLEMING	Williamson Creek Member Dough Hills Member Carnahan Bayou Member		Jasper aquifer system	Williamson Creek aquifer Dough Hills aquifer unit Carnahan Bayou aquifer		Jasper equivlent aquifer system	SOUTHERN	Unnamed saline aquifers	Franklinton Unnamed saline aquifers	
		_	Lena Member			Lena confining unit	Lena equivalent confining unit					
	OLIGOCENE		Catahoula Formation	Catahoula aquifer	Unamed saline aquifers			Catahoula equivalent aquifer system				
		Vicksburg Group		Vicksburg confining unit								
	EOCENE	CLABORNE GROUP	Jackson Group	Jackson confining unit								
			Cockfield Formation	Cockfield aquifer								
			Cook Mountain Formation	Cook Mountain confining unit								
			Sparta Formation	Sparta aquifer	DEFINITIONS							
			Cane River Formation	Cane River confining unit	<sup>1</sup> Clay units separating aquifers in soutl	neastern Louisiana are	AQUIFER: a formation or group of formations that will yield water to a well or a spring.					
		Wilcox Group	Carrizo Formation	Carrizo-Wilcox aquifer	discontinous and unnamed. <sup>2</sup> May be Pliocene in part; Pliocene not	AQUIFER SYSTEM: a group of aquifers that functions regionally as a water-yielding hydraulic unit.						
	PALEOCENE	20	Various formations Midway Group	Midway confining unit	idway confining unit The Southern Hills Aquifer System is a sole surface regulatory aquifer unit. This term is not in general or geologic use.						re stratigraph ssippi River.	iically