GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
GEORGIA GEOLOGIC SURVEY

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U.S. GEOLOGICAL SURVEY

BULLETIN 113
PLATE 3

SYSTEM	SERIES	GULF COAST STAGE	FLORIDA Panhandle	FLORIDA Peninsula	GEORGIA	SOUTH CAROLINA	GEORGIA — Georgia Geologic Survey Nomenclature [P.F. Huddlestun, GGS, written commun., August 3, 1989]	THIS STUDY — GEOLOGIC UNIT	THIS STUDY — THICKNESS (FT)	THIS STUDY — HYDROLOGIC UNIT
QUATERNARY	HOLOCENE	Post-Glacial	Undifferentiated deposits		Undifferentiated deposits	Undifferentiated deposits	Undifferentiated deposits; Satilla Formation	Post-Miocene unit	60 - 440	Surficial aquifer
	PLEISTOCENE	Wisconsin to Pre-Illinoian	Terrace deposits	Undifferentiated terrace and shallow marine deposits	Terrace deposits	Terrace deposits	Undifferentiated alluvial deposits			
				Caloosahatchee Formation and equivalents		Waccamaw Formation	Cypresshead Formation; Miccosukee Formation			
	PLIOCENE	Foleyan	Citronelle Formation	Bone Valley Formation; Tamiami Formation	Charlton Formation; Raysor Formation	Raysor Formation; Goose Creek Limestone	Raysor Formation			
	MIOCENE	Clovellian; Ducklakian; Napoleonvillian	Alum Bluff Group: Undifferentiated upper Miocene deposits; Hawthorn Formation		Hawthorn Formation	Hawthorn Formation	Screven Member; Altamaha Formation; Coosawhatchie Formation	Miocene unit A	20 - 140	Confining unit
								Miocene unit B	10 - 230	Upper Brunswick aquifer
										Confining unit
								Miocene unit C	2 - 175	Lower Brunswick aquifer
		Anahuacian	Tampa Limestone		Edisto Formation		Mark Head Formation; Parachula Formation	Hawthorn Group		Confining unit
TERTIARY	OLIGOCENE	Chickasawhayan (restricted)	Chickasawhay Formation; Suwannee Limestone		Cooper Formation (part); Suwannee Limestone	Chandler Bridge Formation: Ashley Member; Cooper Formation (part)		Oligocene unit	0 - 120	Confining unit (Brunswick area)
		Vicksburgian	Bucatunna Formation; Marianna Formation; Bumpnose Formation				Suwannee Limestone; Glendon Limestone; Marianna Limestone; Bridgeboro Limestone			Upper Floridan aquifer
	EOCENE	Jacksonian	Ocala Limestone; Moodys Branch Formation		Ocala Limestone; Barnwell Formation	Barnwell Formation	Barnwell Group: Tobacco Road Sand; Crystal River Fm.; Dry Branch Formation; Irwinton Sand Mbr.; Twiggs Clay Member; Tivola Limestone; Clinchfield Formation; Williston Formation; Ocala Group	Upper Eocene unit	230 - 390	[1]Upper water-bearing zone (Brunswick area)
		Claibornian	Lisbon Formation; Tallahatta Formation	Avon Park Formation	Lisbon Formation; Tallahatta Formation; Avon Park Formation; McBean Formation; Santee Limestone; Huber (?) Formation	Santee Limestone; Cross Member; Moultrie Member; McBean Formation; Warley Hill Marl; Congaree Formation	Lisbon Formation; Huber Fm.; Tallahatta Formation; Unnamed limestone and dolomite; Avon Park Formation	Middle Eocene unit	300 - 1000	[1]Lower water-bearing zone (Brunswick area)
										Confining unit
										[1]Brackish water zone (Brunswick area)
		Sabinian	Undifferentiated lower Eocene rocks; Undifferentiated Paleocene rocks; Salt Mountain Limestone	Oldsmar Formation; Cedar Keys Formation	Hatchetigbee Formation; Oldsmar Formation; Tuscahoma Formation; Nanafalia Formation; Cedar Keys Formation	Fishburne Formation; Black Mingo Formation	Baker Hill Formation; Wilcox Group undifferentiated; Unnamed shaley clay and sandy limestone; Oldsmar Formation	Lower Eocene unit	100 - 800	[2]Fernandina permeable zone
	PALEOCENE	Midwayan	Undifferentiated Paleocene rocks		Porters Creek Formation; Clayton Formation; Cedar Keys Formation	Ellenton Formation; Beaufort (?) Formation	Huber Formation; Clayton Formation; Cedar Keys Formation	Paleocene unit	270 - 425	Lower Floridan aquifer

[1]Gregg and Zimmerman (1974).
[2]Krause and Randolph (1989).

Modified from Miller (1986)

GENERALIZED CORRELATION OF GEOLOGIC AND HYDROLOGIC UNITS OF TERTIARY AND QUATERNARY AGE IN GEORGIA AND ADJACENT PARTS OF FLORIDA AND SOUTH CAROLINA