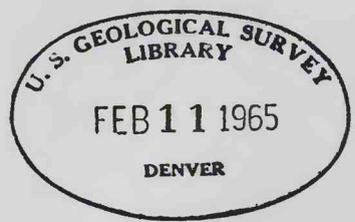


(200)
T67N
no. 805

PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME



System	Series	Formation	Approximate thickness (feet)	Physical character	Hydrologic Comments
Quaternary	Recent and Pleistocene, Pliocene (?)		0-150	Sand, gravel, sandy clay and clay.	Although relatively thin and irregularly distributed, these deposits contain the unconfined aquifer east of Chesapeake Bay and parts of the Western Shore. Near-surface water table and large ground-water discharge as evapotranspiration and as seepage into streams are characteristic.
Tertiary	Miocene	St. Marys	0-50	Sand, clayey sand, and blue clay.	As a whole is relatively impermeable.
		Choptank	50-100	Yellow, gray to gray sandy clay, sand, and shells.	Not an aquifer of any importance.
		Calvert	0-184	Clay, sandy clay, and shelly sand. Not readily distinguishable from the Choptank and St. Marys in the subsurface.	Not important source of ground water.
	Eocene	Nanjemoy	0-240	Glauconitic sand and clay, some pink and red plastic clay near base of formation.	A fair aquifer in Calvert and St. Marys counties and west of Chesapeake Bay.
		Aquia	30-225	Glauconitic, greenish to brown sand with occasional indurated or "rock" layers.	Important aquifer in Calvert, Charles, and St. Marys counties.
		Brightseat	0-40	Gray to dark gray micaceous sandy clay.	Not known to be an aquifer.
Cretaceous	Upper Cretaceous	Monmouth and Matawan	0-130	Sandy clay and sand, gray to black, with some glauconite.	Not a major aquifer.
		Magothy	0-140	Gray to white sand and fine gravel with interbedded clay layers.	An important aquifer in Prince Georges and Anne Arundel counties.
		Patapsco and Raritan	100-750	Interbedded sand, clay, and sandy clay.	Sand beds are extensively used as aquifers.
		Arundel clay	25-200	Red, brown, and gray clay.	Not an aquifer.
	Lower Cretaceous	Patuxent	100-450+	Chiefly gray and yellow sand with interbedded clay.	An important aquifer on Western Shore.

Pre-Cretaceous igneous and metamorphic rocks, also dense sandstones and shales, collectively called "basement rocks"

Table 6. GENERALIZED DESCRIPTION OF FORMATIONS AND THEIR HYDROLOGIC CHARACTERISTICS IN MARYLAND AND DELAWARE