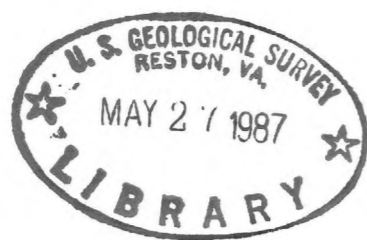


(200)
 WRi
 no. 86-4210



DEPARTMENT OF THE INTERIOR
 U.S. GEOLOGICAL SURVEY

WATER-RESOURCES INVESTIGATIONS REPORT 86-4210
 SHEET 4

Table 1.--Summary of aquifer-test analyses and results of methods used to estimate transmissivity--Continued

County	Owner's name	Other identification	Latitude	Longitude	Land-surface altitude (ft)	Well depth (ft)	Diameter of screens or open hole (in.)	Open interval(s) (ft below land surface)	Test date(s)	Test yield (gal/min)	Test duration (hours)	Transmissivity (ft ² /d)	Storage coefficient	Specific capacity [(gal/min)/ft]	Formation name or provincial stage of aquifer sediments	Method of analysis	ESTIMATED TRANSMISSIVITY (ft ² /d)			
																	Regression equation	Percent difference	Modified nonequilibrium equation	Percent difference
SOUTH CAROLINA--Continued																				
Barnwell	Allied Gulf Nuclear Services	0-2, BW-71	33°14'54"	81°29'14"	--	931	6	Unknown	11-26-71 to 01-25-72	2,000	1,460	^{1,17} 25,500	7.1 x 10 ⁻⁵	--	Tayloran-Austinian	Nonequilibrium formula ⁵	--	--	--	--
Do.	do.	do.	do.	do.	--	do.	do.	do.	11-26-71 to 01-25-72	2,055	8	^{1,17} 24,200	--	--	do.	Modified nonequilibrium formula ⁶	--	--	--	--
Do.	do.	do.	do.	do.	--	do.	do.	do.	11-26-71 to 01-25-72	2,000	1,460	^{1,17} 25,500	7.3 x 10 ⁻⁵	--	do.	Nonequilibrium formula ⁵	--	--	--	--
Do.	do.	do.	do.	do.	--	do.	do.	do.	11-26-71 to 01-25-72	2,055	11	^{6,17} 24,300	--	--	do.	Modified nonequilibrium formula ⁶	--	--	--	--
Charleston	Kfawah Island	No. 1, Ch-186	32°36'00"	80°06'22"	10	2,378	--	2018-2036 2100-2138 2150-2210	02-28-77	450	25.5	¹³ 3,400	--	1.9	Basal Austinian	do. ²	895	-74	440	-87

¹Time-drawdown data.
²Ferris and others (1962), p. 98.
³Aquifer characteristics from Scott (1962).
⁴Pumped well, test-well #1, aquifer characteristics from Bechtal Corp. (1973).
⁵Ferris and others (1962), p. 92.
⁶Time-recovery data.
⁷Pumped well-PW3, aquifer-test data from Sverdrup and Parcel and Assoc., Inc. (1979).
⁸Pumped well-PW2, aquifer-test data from Sverdrup and Parcel and Assoc., Inc. (1979).
⁹Pumped well-TW2.
¹⁰Pumped well-TP-1, aquifer characteristics from Geraghty and Miller, Inc. (1979).
¹¹Aquifer-test data from W. G. Keck and Assoc., Inc. (1965).
¹²Aquifer characteristics from J. E. Serrine Co. (1980).
¹³Pumped well-DW1, aquifer characteristics from Oxford, E. F. (1968).
¹⁴Lohman, S. W. (1972), p. 30-34.
¹⁵Pumped well-X46.75Y44, aquifer-test data from P. E. LaMoreaux & Assoc. (1969).
¹⁶Aquifer characteristics from Siple (1967).
¹⁷Pumped Well-P1, aquifer-test data from Mayer (1972).