



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

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
Bullock	Town of Union Springs	L-04	32°08'18"	85°43'19"	509	1,278	8	968-1028 1046-1126 1209-1234 1248-1253 1268-1278	03-22-61	515	22	¹ 1,9590	--	2.4	Tuscaloosa	Modified nonequilibrium formula ²	1,130	92	652	10
Bibb	Macon-Bibb Co., Water and Sewerage Authority	Cochran Field 2, GGS 7, 16V002	32°42'30"	83°39'11"	335	220	10	106- 121 126- 146 174- 179 210- 220	05-12-41	563	3.67	¹ 4,140	--	9.76	Tayloran-Austinian	Nonequilibrium formula ²	4,630	12	2,400	-42
Burke	Georgia Power Co., Plant Vogtle	Observation well 1, 31Z004	33°08'29"	81°45'42"	214	--	2	502- 524 545- 566 735- 756 862- 883	07-08-72 to 07-10-72	--	48.5	¹ 4,26,200	6.6 x 10 ⁻⁴	--	do.	do.	--	--	--	--
Do.	do.	Observation well 2, 31Z005	33°08'31"	81°45'41"	211	--	2	510- 524 550- 570 730- 740 850- 870	07-08-72 to 07-10-72	--	48.5	¹ 4,21,400	3.3 x 10 ⁻⁴	--	do.	do.	--	--	--	--
Do.	do.	Observation well 3, 31Z006	33°08'28"	81°45'45"	217	--	2	523- 533 554- 575 702- 723 850- 860	07-08-72 to 07-10-72	--	48.5	¹ 4,21,900	3.5 x 10 ⁻⁴	--	do.	do.	--	--	--	--
Do.	do.	Observation well 4, 31Z007	33°08'29"	81°45'46"	212	--	2	520- 540 560- 580 710- 730 840- 860	07-08-72 to 07-10-72	--	48.5	¹ 4,20,500	2.1 x 10 ⁻⁵	--	do.	do.	--	--	--	--
Do.	do.	Observation well 5, 31Z008	33°08'29"	81°45'49"	215	--	2	513- 533 555- 576 702- 723 829- 850	07-08-72 to 07-10-72	--	48.5	¹ 4,30,600	3.9 x 10 ⁻⁴	--	do.	do.	--	--	--	--
Do.	do.	Test well 1, 31Z002	33°08'27"	81°45'43"	219	--	10	505- 535 555- 585 695- 705 730- 750 815- 850	07-08-72 to 07-10-72	1,200	48.5	¹ 4,21,100	--	56.4	do.	Modified nonequilibrium formula ²	27,000	28	16,200	-23
Chattahoochee	Fort Benning	Young's Pool, 06S002	32°21'33"	84°58'44"	270	560	--	Unknown	10-04-44 to 10-05-44	230	36	⁶ 510	--	2.35	Tuscaloosa	do.	1,110	117	640	25
Do.	Town of Cusseta	No. 1, 07S002	32°18'04"	84°46'22"	547	1,140	--	746- 756 775- 785 868- 878 900- 910 1120-1130	06-29-53 to 06-30-53	112	22	¹ 690	--	4.53	Eutaw, Tuscaloosa	do.	2,140	211	1,200	74
Clay	Town of Fort Gaines	No. 4, 05L007	31°36'28"	85°03'14"	232	456	8	330- 340 355- 365 370- 385 425- 445	02-21-79	500	10.3	¹ 930	--	4.55	Providence Sand	do.	2,150	131	1,170	26
Do.	U.S. Army Corps of Engineers, Fort Gaines Lock and Dam	Observation well, 05M005	31°37'30"	85°03'49"	98	66	--	Unknown	05-06-58	1,050	6.3	¹ 6,700	3.11 x 10 ⁻³	--	Clayton	Nonequilibrium formula ²	--	--	--	--
Dooly	Town of Unadilla	No. 3, 16S002	32°15'04"	84°44'23"	378	315	10.75	247- 307	11-04-77	503	11.5	¹ 6,580	--	8.60	Tallahatta	Modified nonequilibrium formula ²	4,080	-38	2,200	-67
Dougherty	City of Albany	No. 30, 13L009	31°34'46"	84°06'57"	195	940	12	300- 320 350- 420 440- 450 490- 500 700- 780 810- 830 880- 890 920- 930	07-12-78	1,522	24	¹ 4,260	--	11.6	Tallahatta, Clayton Providence Sand	do.	5,510	29	3,180	-25
Do.	Miller Brewing Co.	Observation well 1, 13L027	31°35'27"	84°04'52"	201	942	4	300- 320 350- 380 390- 470 574- 584 730- 820 912- 932	04-19-79 to 04-12-79	--	70.8	¹ 8,4,140	1.4 x 10 ⁻³	--	Tallahatta, Clayton	Nonequilibrium formula ²	--	--	--	--
Do.	do.	Observation well 2, 13L016	31°35'45"	84°04'47"	207	560	4	300- 320 362- 470 530- 550	04-09-79 to 04-19-79	--	70.8	¹ 8,3,380	7.5 x 10 ⁻⁴	--	Tallahatta	do.	--	--	--	--
Do.	do.	Observation well 3, 13L017	31°36'06"	84°04'40"	204	550	4	290- 311 340- 457 520- 540	04-16-79 to 04-19-79	--	72	¹ 7,6,060	9.8 x 10 ⁻⁴	--	do.	do.	--	--	--	--
Do.	do.	PW3, 13L022	31°36'09"	84°04'35"	206	550	12	290- 460 510- 540	04-16-79 to 04-19-79	1,400	72	¹ 3,790	--	6.99	do.	Modified nonequilibrium formula ²	3,310	-13	1,980	-48
Do.	do.	PW2, 13L021	31°35'47"	84°04'44"	203	560	12	300- 470 520- 550	04-09-79 to 04-12-79	1,432	70.8	¹ 5,320	--	9.30	do.	do.	4,410	-17	2,670	-50
Early	U.S. Army Corps of Engineers, Columbia Lock and Dam	TW2, 05J005	31°15'34"	85°06'38"	113	139	14	112- 139	11-20-57 to 11-21-57	50	18	--	--	.35	do.	do.	--	--	--	--
Do.	do.	P16, 05J003	31°15'34"	85°06'38"	113	137	2	132- 137	11-20-57 to 11-21-57	--	18	¹ 9,130	1.0 x 10 ⁻⁴	--	do.	Nonequilibrium formula ²	164	26	72	-45
Do.	do.	P18, 05J004	31°15'33"	85°06'37"	115	141	2	136- 141	11-20-57 to 11-21-57	--	18	¹ 9,128	4.0 x 10 ⁻⁴	--	do.	do.	--	--	--	--
Houston	Houston County Board of Commissioners	Sanderfur Road 2, 16U011	32°31'50"	83°41'00"	380	625	10	515- 575 605- 615	08-11-77	1,302	8.2	¹ 28,700	--	44.5	Tayloran-Austinian	Modified nonequilibrium formula ²	21,300	-26	12,300	-57
Do.	Pabst Brewing Co.	No. 4, 16T002	32°26'19"	83°38'12"	305	640	12	295- 300 310- 330 340- 360 438- 443 510- 520 560- 565 580- 585 600- 630	12-18-67	1,557	24	⁶ 32,300	--	44.9	Navarroan-Tayloran	do.	21,500	-34	13,000	-60
Do.	Warner Robins Air Force Base	No. 3, 17U013	32°37'26"	83°35'07"	275	375	12	Unknown	05-11-42	1,000	36	¹ 19,600	--	33.0	do.	do. ²	15,800	-20	9,100	-54

See footnotes at end of table.