Table 7.--*Physical and chemical characteristics of ground water*

[Analyses by U.S. Geological Survey, except where noted. Constituent concentration: T, total; D, Dissolved. Constituents: SiO_2, Silica; Ca, Calcium; Mg, Magnesium; Na, Sodium; K, Potassium; HCO_3, Bicarbonate; $CaCO_3$, Calcium carbonate; SO_4, Sulfate; Cl, Chloride; F, Fluoride; NO_3, Nitrate; CO_2, Carbon dioxide; Fe, iron; Mn, Manganese; Sr, Strontium. --, No data available. ND, Not detected]

Site number	Date sampled	Concentration of total (T) or dissolved (D) constituents																										Dissolved Solids (mg/L) Residue at 180°C	Hardness as $CaCO_3$ (mg/L)		Specific conductance	pH (units)	Temperature in degrees Celsius	Color in platinum cobalt units
		Milligrams per liter																					Micrograms per liter											
		SiO_2		Ca		Mg		Na		K		HCO_3	Alkalinity as $CaCO_3$	SO_4	Cl	F		NO_3		CO_2	Fe		Mn		Sr			Total	Non-carbonate				
		T	D	T	D	T	D	T	D	T	D	D		D	D	T	D	T	D	D	T	D	T	D	T	D								
Coweta County																																		
06BB16	11/20/64	-	36	-	3.2	-	0.2	-	6.4	-	1.3	37	30	ND	1.4	-	ND	-	1.2	12	200	-	-	-	-	-	-	9	ND	76	6.7	16.5	-
07BB24	02/23/62	-	34	-	5.6	-	1.5	-	5	-	1.8	36	30	0.4	1.5	-	ND	-	0.32	5.8	-	-	-	-	-	-	68	20	ND	61	7	18	2
08CC04	03/03/66	-	9.9	-	1.6	-	.6	-	1.5	-	1.2	13	11	ND	1.2	-	ND	-	.36	8.3	-	-	-	-	-	-	-	6	ND	30	6.4	-	0
09AA01	10/21/58	-	32	-	24	-	4.4	-	11	-	2.8	44	36	13	25	-	0.1	-	4.3	22	-	-	-	-	-	-	182	78	42	236	6.5	18.5	3
Fayette County																																		
09BB02	06/12/72	-	38	-	5.2	-	1.1	-	6.4	-	1.3	32	26	.8	1.2	-	.1	0.41	-	13	-	30	-	ND	-	200	72	18	ND	65	6.6	17.5	0
10AA01	12/02/64	-	39	-	8.8	-	5.4	-	4.6	-	0.8	57	47	.2	2.5	-	ND	-	1	14	-	-	-	-	-	-	-	44	ND	112	6.8	15.5	-
10AA23	01/18/63	-	14	-	6.8	-	.5	-	1.2	-	1.6	20	16	5.2	2	-	.2	-	ND	10	-	-	-	-	-	-	38	19	2	53	6.5	20.5	0
Henry County																																		
[1]11BB11	08/27/86	-	-	11.9	-	4.8	-	7.4	-	1.5	-	-	-	6	2.5	-	-	-	-	-	65	-	-	-	66	-	-	-	-	[2]148	6.7	-	-
12BB12	06/07/72	-	9.8	-	3.8	-	1.2	-	16	-	1.9	34	28	7.2	5	-	.1	2	-	2.7	-	10	-	ND	-	100	64	15	ND	110	7.3	19.5	0
12BB13	10/14/58	-	22	-	18	-	2.4	-	7.6	-	1.5	52	43	20	3.5	-	.4	-	.36	8.3	-	-	-	-	-	-	98	55	ND	146	7	21.5	2
Lamar County																																		
[1]12X003	02/19/86	40.6	-	20.7	-	1.2	-	13.3	-	2.5	-	[2]90.3	74.5	<2	2	0.7	-	-	-	-	26	-	18	-	80	-	120	-	-	[2]194	7.85	18.7	-
[1]12X004	02/10/86	19.2	-	5.9	-	0.7	-	3	-	1.4	-	[2]43.9	35.9	3	1.9	.1	-	-	-	-	43	-	14	-	16	-	52	-	-	[2]88	6.76	17.1	-
12Y001	10/22/58	-	48	-	8.4	-	2.2	-	11	-	3	41	34	11	9.5	-	.3	-	.02	26	-	-	-	-	-	-	116	30	ND	[2]127	6.4	-	5
[1]12Y010	01/16/86	35.3	-	15.6	-	.8	-	10.9	-	1.1	-	[2]61	50	4	4.5	2.9	-	-	-	-	<10	-	29	-	39	-	100	-	-	-	-	-	-
[1]12Y011	01/30/86	46.6	-	4.1	-	.5	-	4.7	-	2	-	[2]29.3	24	<2	4	.3	-	-	-	-	43,200	-	71	-	22	-	168	-	-	[2]88	6.65	18.4	-
[1]12Y013	01/30/86	31.2	-	17.1	-	1.1	-	14.4	-	1.2	-	[2]73.2	89.2	4	10	.9	-	-	-	-	<10	-	22	-	42	-	116	-	-	[2]195	7.48	17.7	-
[1]12Y018	02/19/86	12.3	-	2	-	1.9	-	3.8	-	3.8	-	[2]68.3	83.2	<2	7	<.1	-	-	-	-	<10	-	57	-	28	-	56	-	-	[2]88	5.04	18	-
[1]12Y020	02/19/86	13.9	-	1.1	-	.6	-	2.3	-	1.1	-	[2]7.3	8.9	7	3	<.1	-	-	-	-	25	-	11	-	10	-	32	-	-	[2]42	5.8	17.7	-
[1]12Y021	03/06/86	35.7	-	22.9	-	2.2	-	11	-	1.4	-	[2]105	128	6	2	2.9	-	-	-	-	<10	-	10	-	95	-	128	-	-	[2]190	8.31	16.8	-
[1]12Y024	02/19/86	28.9	-	5	-	1	-	5.4	-	1.8	-	[2]26.8	32.6	5	3	.2	-	-	-	-	22	-	<10	-	31	-	72	-	-	[2]75	6.85	18.5	-
[1]12Y027	01/30/86	43.4	-	13.9	-	2	-	8.5	-	2.3	-	[2]68.3	56	7	2.5	.6	-	-	-	-	1,120	-	78	-	70	-	104	-	-	[2]145	7.12	16.6	-
[1]12Y028	01/16/86	40.8	-	8.8	-	2	-	6.8	-	3	-	[2]48.8	59.5	4	4	1.4	-	-	-	-	195	-	<10	-	37	-	80	-	-	[2]118	7.25	17.4	-
[1]12Y030	01/30/86	12	-	7.6	-	4.3	-	1.2	-	1.4	-	[2]48.8	59.5	<2	2	<.1	-	-	-	-	165	-	<10	-	13	-	56	-	-	[2]105	6.47	17.4	-
[1]12Y031	01/30/86	38.5	-	18.2	-	2.8	-	8.8	-	1.6	-	[2]73.2	60	9	2.5	.7	-	-	-	-	105	-	35	-	75	-	108	-	-	[2]178	7.79	18.9	-
[1]12Y032	01/30/86	35.7	-	4	-	1.2	-	4.7	-	1.8	-	[2]19.5	15.9	2	3	.3	-	-	-	-	720	-	14	-	16	-	64	-	-	[2]85	7.7	17.1	-
[1]12Y033	01/16/86	56.2	-	7.9	-	1.2	-	8.3	-	2	-	[2]51.2	-	13	3	.5	-	-	-	-	2,850	-	76	-	35	-	108	-	-	[2]125	6.66	17.2	-
[1]12Y035	01/16/86	38.3	-	3	-	1.7	-	7.8	-	2.6	-	[2]78.1	64	4	3	.2	-	-	-	-	1,930	-	17	-	48	-	96	-	-	[2]153	7.63	17.7	-
[1]12Y039	02/10/86	30.1	-	16.8	-	.5	-	12.7	-	1.7	-	[2]80.5	66	5	2.4	.7	-	-	-	-	48	-	<10	-	93	-	96	-	-	[2]150	8.26	17.5	-
[1]12Y040	02/10/86	15.7	-	2.2	-	.5	-	2.8	-	2.2	-	[2]9.8	8	3	3.4	<.1	-	-	-	-	95	-	<10	-	18	-	32	-	-	[2]47	5.71	17.6	-
13X001	01/17/62	-	17	-	0.8	-	.2	-	1.6	-	2.7	9	7	.4	.2	-	.3	-	.29	14	-	-	-	-	-	-	26	-	-	25	6	16.5	.0
13Y001	02/19/86	31.2	-	1.7	-	1.8	-	4.9	-	2.9	-	14.6	11.9	10	3	.2	-	-	-	-	78	-	<10	-	35	-	68	-	-	[2]90	6.15	17.8	-
13Y009	01/16/86	44.9	-	4.1	-	1	-	6.1	-	1.6	-	[2]24.4	20	4	3	.4	-	-	-	-	95	-	<10	-	<10	-	76	-	-	[2]77	6.45	17.9	-
13Y010	02/10/86	30.1	-	1.2	-	3	-	3.2	-	2.7	-	[2]14.6	11.9	3	1.9	.1	-	-	-	-	600	-	<10	-	<10	-	44	-	-	[2]69	6.2	17.6	-
Meriwether County																																		
08X001	11/20/64	-	25	-	27	-	.4	-	16	-	1.6	116	95	6.4	2.3	-	.6	-	.02	2.3	-	-	-	-	-	-	-	69	ND	205	7.9	16.5	-
[3]08Y006	08/31/81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	400	-	-	-	8.2	-	-
[1]08Z007	08/27/86	-	-	7.2	-	2.3	-	9.6	-	2.7	-	-	-	15	10	-	-	-	-	-	2,700	-	56	-	92	-	-	-	-	[2]111	6.5	-	-
[1]09X001	08/27/86	-	-	11.4	-	2.7	-	13.2	-	3.4	-	-	-	9	12.5	-	-	-	-	-	22	-	-	-	82	-	-	-	-	[2]155	6.4	-	-
09Y001	10/20/60	-	34	-	6	-	1.1	-	6.3	-	1.4	32	26	ND	3	-	.1	-	0.88	20	-	-	-	-	-	-	87	20	ND	68	6.4	18.5	9
[4]09Y005	04/21/88	-	-	-	-	-	-	5.7	-	-	-	-	[2]16	-	1.9	<.2	-	1.1	-	-	<40	-	<20	-	-	-	86	10	-	-	6.8	-	<5
[4]09Y006	03/03/88	-	-	-	-	-	-	7.2	-	-	-	-	[2]25	-	2.9	1.4	-	<.3	-	-	100	-	<20	-	-	-	110	24	-	-	6.5	-	<5
Pike County																																		
10Z002	01/25/65	-	9.7	-	4	-	1.9	-	6.9	-	1.4	5	4	.8	7.2	-	.2	-	5	8	-	-	-	-	-	-	-	18	14	81	6	18	5
11Z002	01/17/63	-	28	-	2.8	-	.2	-	7.6	-	1	24	26	.4	2.2	-	.1	-	.81	6.1	-	-	-	-	-	-	51	8	ND	55	6.8	-	0
11Z003	06/13/72	-	40	-	7.5	-	1.7	-	4.7	-	2.8	32	20	13	1.8	-	.5	ND	-	10	-	4,100	-	190	-	120	91	26	ND	95	6.7	19.5	-
Spalding County																																		
10Z001	01/25/65	-	43	-	12	-	1.2	-	9	-	3.5	62	51	ND	2.5	-	.2	-	.47	9.9	-	-	-	-	-	-	-	35	ND	114	7	15	5
11AA02	10/21/58	-	24	-	3.2	-	.6	-	3.1	-	1.1	21	17	ND	1.8	-	ND	-	.5	13	-	-	-	-	-	-	49	10	ND	45	6.4	-	3
12Z002	01/17/63	-	24	-	6	-	2.2	-	3.5	-	1.7	32	26	3.2	2.2	-	.1	-	.27	16	-	-	-	-	-	-	56	24	ND	69	6.5	18	0
Talbot County																																		
[1]08W002	03/10/86	-	-	0.8	-	.3	-	1.2	-	1.7	-	-	-	2	2	-	-	-	-	-	1,270	-	24	-	-	-	-	-	-	[2]19	[2]4.8	-	-
09U003	10/19/60	-	15	-	1	-	.1	-	2.3	-	1.9	5	4	.4	4.5	-	ND	-	ND	50	-	-	-	-	-	-	39	3	ND	26	5.2	19	11
09V001	10/21/58	-	36	-	45	-	12	-	9.9	-	2.6	130	107	4	33	-	.1	-	5.4	10	-	-	-	-	-	-	260	162	56	393	7.3	19.5	3
09W001	05/02/66	-	33	-	23	-	2.1	-	9	-	1.9	94	77	3.2	2	-	.2	-	ND	12	-	-	-	-	-	-	-	66	ND	156	7.1	-	5
Upson County																																		
[1]10X009	08/27/86	-	-	.6	-	.2	-	1.5	-	1.6	-	-	-	-	2	-	-	-	-	-	11	-	-	-	-	-	-	-	-	[2]18	[2]5.3	-	-
12V002	01/10/63	-	68	-	8.8	-	1.5	-	17	-	.8	50	41	.8	16	-	.2	-	1.3	32	-	-	-	-	-	-	141	28	ND	135	6.4	-	.0
12X001	06/13/72	-	11	-	1.8	-	1.1	-	6.5	-	2.4	5	4	.8	6	-	.1	3.2	-	25	-	10	-	30	-	180	51	0.9	5	65	5.5	19	.0
12X002	10/22/58	-	42	-	14	-	2.2	-	7.6	-	1.9	64	52	8	4	-	.3	-	0.07	10	-	-	-	-	-	-	119	44	ND	135	7	-	4

[1]/Analysis by Georgia Department of Natural Resources, Environmental Protection Division, Atlanta, Ga.
[2]/Laboratory measurement.
[3]/Analysis by Chem-Am, Inc., LaGrange, Ga.
[4]/Analysis by Law and Company, Tucker, Ga.