Table 2.--Chemical analysis of well and river water for inorganic constituents

[Analyses by U.S. Geological Survey; UFA, Upper Floridan aquifer; <, less than; --, no data]

Site number	Owner or name	Sample source	Date sampled	Milligrams per liter												Dissolved solids		Hardness		Specific conductance, in micromhos of 25°C	pH	Water temperature, in degrees Celsius	Color in platinum-cobalt units	Sodium, absorption ratio	Sodium percent	Micrograms per liter																			
				Alkalinity as $CaCO_3$	Calcium (Ca)	Carbon dioxide (CO_2)	Chloride (Cl)	Fluoride (F)	Magnesium (Mg)	Nitrate (NO_3)	Nitrite (NO_2)	Potassium (K)	Silica (SiO_2)	Sodium (Na)	Sulfate (SO_4)	Residue at 180°C	Sum of constituents	Calcium, magnesium	Noncarbonate							Aluminum (Al)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Lithium (Li)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Strontium (Sr)	Vanadium (V)	Zinc (Zn)
	Drinking water standards[1]						250	1,400		10					250	500	500								50	1,000		10	50		1,000	300	50		50	2.0			10			5,000
13L012	U.S. Geological Survey, TW3	UFA	06-17-77	120	45	--	2.6	0.0	0.90	--	--	0.2	8.3	1.8	0.5	131	132	120	0	190	7.4	21.5	5	--	3	10	1	0.0	--	0.0	0.0	0.0	0.0	10	3	--	10	0.0	--	0.0	0.0	50	--	10
11K015	do. TW14	UFA	06-02-83	125	51	12	3.0	<.1	.53	0.43	0.01	.3	7.6	2.0	<5.0	133	--	130	5	247	7.3	20.2	17	0.0	3	120	<1	28	<0.5	<1.0	<1.0	<3.0	<10	7	<10	<4	2	<.1	<10	3.0	<1	25	<6	10
12L029	do. TW13	UFA	06-02-83	256	110	63	20	<.1	3.1	2.5	.01	2.6	9.4	22.0	33	366	365	290	32	590	6.9	22.5	15	.6	14	90	1	80	<.5	<1.0	<1.0	<3.0	<10	10	20	5	2	<.1	<10	2.0	1	82	<6	14
12L030	do. TW16	UFA	06-02-83	129	53	16	3.7	<.1	.46	.81	.01	.5	7.4	3.3	<5.0	150	--	130	5	260	7.2	20.5	15	.1	5	20	<1	42	<.5	<1.0	<1.0	<3.0	<10	37	<10	<4	3	<.1	<10	2.0	<1	27	<6	12
13L048	do. TW17	UFA	06-02-83	144	57	22	3.3	.1	2.4	.30	.01	.4	13.0	2.3	<5.0	168	--	150	8	282	7.1	20.3	17	.0	3	<10	1	77	<.5	<1.0	4.0	<3.0	<10	<3	<10	5	<1	<.1	<10	3.0	<1	160	<6	5
13K014	do. TW15	UFA	06-06-83	129	53	20	2.7	<.1	.98	.54	.01	.2	9.1	2.0	<5.0	149	--	140	7	252	7.1	20.2	13	.0	3	10	1	37	<.5	<1.0	<1.0	<3.0	<10	16	<10	<4	8	<.1	<10	3.0	<1	39	<6	<3
13M008	do. TW18	UFA	06-01-83	91	38	8.9	<.2	<.1	.65	.47	.01	.3	24.0	1.9	<5.0	125	--	98	7	178	7.3	--	17	.0	4	20	1	44	<.5	<1.0	<1.0	<3.0	<10	<3	<10	<4	<1	<.1	<10	1.0	<1	47	<6	9
12M017	do. TW19	UFA	06-02-83	124	51	12	2.0	<.1	1.2	.76	.01	.5	11.0	1.9	<5.0	131	--	130	8	243	7.3	21.0	19	.0	3	20	<1	42	<.5	<1.0	<1.0	<3.0	<10	<3	<10	<4	<1	<.1	<10	3.0	<1	81	<6	4
023530	Flint River at Newton --	Flint River	[2]05-17-84	50	19	--	5.5	.1	1.1	.48	<.01	1.1	8.0	7.0	5.0	89	--	--	--	133	7.8	22.5	--	--	--	30	--	26	<.5	<1.0	<1.0	<3.0	2.0	520	5	6	16	<.1	<10	2.0	<1	30	<6	41
023530	do. --	do.	[3]08-22-84	48	18	--	5.3	.1	1.1	.77	.16	1.3	9.5	5.0	7.1	87	--	--	--	122	7.7	27.0	--	--	--	20	--	27	<.5	<1.0	1.0	<3.0	2.0	440	2	6	10	<.1	<10	1.0	<1	31	<6	7

[1]Georgia Department of Natural Resources, Environmental Protection Division's standards for safe drinking water, 1977.
[2]Instantaneous streamflow at time of sample collection was 5,990 ft^3/s.
[3]Instantaneous streamflow at time of sample collection was 4,270 ft^3/s.