Table 3. Chemical analyses of waters from wells in Caroline County, Va.

(Analyses in milligrams per liter. EWL, E. W. Lohr; JL, J. Loudon; ATG, A. T. Grant.)

	Well no.												
	3	9	13	15, 17	20	28	29	31	36	39	44	48	52
Location	Ruther Glen	Guinea	Woodford	Bowling Green	Bowling Green	Reedy Mill	Athens	Ruther Glen	Corbin	Skinkers Neck	Rappahannock Academy	Rappahannock Academy	Port Royal
Depth (feet)	151	178	244	340 375	450	360	126	33	282	160	212	310	312
Silica (SiO_2)													
Iron (Fe)		.10	.64		.09		.14		.03			.26	
Calcium (Ca)													
Magnesium (Mg)													
Sodium (Na)													
Potassium (K)													
Bicarbonate (HCO_3)	146	148	174	82	122	93	116	60	166	164	161	122	125
Sulfate (SO_4)	10	17	6	1	26	9	16	5	6.6	21	100	162	20
Chloride (Cl)	1	1.2	4	9	25	3	3.5	1500	2.6	3	12	3.6	1
Fluoride (F)	.0	.2	0.1	.0	1.1		.3		.2	0	.1	.2	0.2
Nitrate (NO_3)	.0		0.7	22		0.1				0.4	.0		.2
Dissolved solids		172			219		145		183			375	
Total Hardness (as $CaCO_3$)	99	80	21	39	1	51	57	216	126	114	180	187	4.5
Free Carbon dioxide (CO_2)	1.4			22							3.2		6.4
Date	Dec. 1943	Oct. 1968	Feb. 1949	Jan. 1943	Oct. 1968	Feb. 1949	Nov. 1968	Feb. 1949	Oct. 1968	Apr. 1944	Jan. 1944	Oct. 1968	Jan. 1944
Analyst	EWL	ATG	JL	EWL	ATG	JL	ATG	JL	ATG	EWL	EWL	ATG	EWL