

(200)
R290
No. 75-452

Table 5.--Chemical analysis of water from streams in Hale County.
(Station numbers correspond with those on figure 6.)

Number	Stream name or well name	Date of collection	Water-bearing unit	Stream discharge (mgd) or well depth (feet)	Milligrams per liter														Hardness as CaCO ₃		Specific conductance (micromhos at 25° C)	pH	Temperature	
					Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Calcium, magnesium	Non-carbonate	° C			° F	
2-4654.93	Elliotts Creek near Moundville.	2- 4-66		1/15.1								8	0		3.4				15	8	...	7.5	4	39
		2- 8-67		29.5								6	0		1.8				5	0	21	6.5	4	39
		4- 6-67		9.6								12	0		2.2				10	0	27	7.3	22	72
		10-24-67		7.8								12	0		2.2				8	0	24	7.0	16	61
2-4654.94	Elliotts Creek below Moundville Sewage Lagoon.	2- 4-66		15.1							8	0		3.6				12	5	...	7.6	4	39	
2-4654.95	Gabriel Creek near Moundville.	10-24-67		7.1							11	0		2.2				6	0	28	6.4	17	62	
2-4654.96	Whatley Branch near Moundville.	11-26-65		.9							14	0		5.4				15	4	35	7.4	18	65	
		1- 4-66		1.6								10	0		5.4				20	12	35	7.3	12	53
		2-12-66		147								3	0		.6				6	4	14	6.8	14	57
		3-31-66		1.9								9	0		4.8				9	2	24	7.5	16	61
		5-23-66		1.4								12	0		2.4				15	5	28	7.4	22	71
		7-10-66		.3								12	0		3.8				12	2	30	7.5	28	82
2-4655.00	Fivemile Creek near Greensboro.	11-26-65		12.6							8	0		6.4				8	1	32	6.3	14	58	
		1- 4-66		68.5								8	0		5.4				18	11	30	7.3	12	53
		3- 7-66		115								4	0		2.6				5	0	21	6.1	9	48
		4-22-66		62.1								10	0		2.4				10	2	28	6.2	20	68
		6- 8-66		4.6								10	0		2.8				18	10	30	7.3	23	74

Table 5.--Chemical analysis of water from streams in Hale County--Continued

Number	Stream name well-owner	Date of collection	Water- bearing unit	Stream discharge (mgd) well-depth (feet)	Milligrams per liter													Hardness as CaCO ₃		Specific conductance (micromhos at 25° C)	pH	Temperature	
					Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magne- sium (Mg)	Sodium (Na)	Potas- sium (K)	Bicar- bonate (HCO ₃)	Car- bonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Calcium, magnesium	Non- car- bon- ate			° C	° F
2-4655.00	Fivemile Creek near Greensboro-- Continued	7-13-66		2.6							19	0		2.2				18	2	40	7.5	26	79
		8- 5-66		7.3							12	0		1.6				15	5	32	7.1	24	76
		11-18-66		17.2							10	0		2.0				12	4	29	6.9	12	54
		12-27-66		18.2							8	0		2.8				10	3	25	6.8	5	41
		4- 6-67		15.5							14	0		3.0				12	1	36	7.2	22	71
		10-24-67		4.5							13	0		2.4				10	0	35	6.2	16	60
2-4659.00	Big Brush Creek near Greensboro.	2- 9-67		127							10	0		4.4				10	2	42	6.3	4	40
		4- 6-67		21.6							22	0		3.6				15	0	49	7.4	19	66
		10-24-67		1.8							28	0		3.0				24	1	65	6.9	14	58
2-4659.44	Big Brush Creek above Dry Creek near Wedgeworth.	4- 5-67		42.1							22	0		4.0				18	0	57	7.4	19	66
		10-24-67		5.6							36	0		6.6				26	0	93	6.9	17	62
2-4659.49	Dry Creek near Akron.	4- 5-67		3.2							32	0		920				302	276	2,920	7.1	19	67
		10-24-67		1.4							89	0		2,230				761	688	7,530	7.2	20	68
2-4659.50	Big Brush Creek near Wedgeworth.	2- 9-67		198							8	0		15				15	8	72	6.3	6	42
		4- 5-67		42.1							22	0		62				38	20	253	7.3	19	66
		10-24-67		7.1							45	0		460				185	148	1,730	7.0	17	62
2-4660.00	Black Warrior River near Eutaw.	2- 9-67		<u>2</u> /7,110							22	0		6.4				40	22	133	6.7
		4- 5-67		<u>2</u> /1,940							24	0		8.0				35	15	121	7.0	20	68
		10-24-67		<u>2</u> /1,940							26	0		10				48	27	179	7.0	20	68