

Table 2.--Chemical analyses of water from wells in Cullman County

Well numbers correspond to those on figure 3 and in tables 1 and 4
 Water-bearing unit: Ppv, Pottsville Formation, Mb, Bangor Limestone

Number	Stream name or well owner	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)	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 (Calcu- lated)	Calcium, magnesium	Non- car- bon- ate			° C	° F
					A-3	Mrs. Ellen Benson.	8-26-63	Ppv	49.5	...	3.1	24	0	...	5.2		
B-1	J. A. Creel.....	8-26-63	Ppv	95	...	...	...	...	...	...	27	0	...	3.0	...	...	...	28	6	...	7.6	..	..
B-2	Hugh M. Hipp.....	8-26-63	Ppv	64	...	...	...	...	...	...	70	0	...	6.0	...	...	...	8	0	...	8.2	..	..
C-2	Belton Yancy.....	8-26-63	Ppv	81	...	.47	...	...	...	...	137	0	...	3.7	...	...	...	98	0	221	7.9	..	..
D-1	Joan Green.....	8-27-63	Ppv	126	...	1.6	...	...	...	...	24	0	...	4.1	...	...	...	12	0	52	6.7	..	..
D-2	M. C. Kinney.....	8-27-63	Ppv	55	...	.62	...	...	...	...	47	0	...	5.2	...	...	...	42	3	114	7.3	..	..
E-1	O. E. Cook.....	9-22-64	Ppv	66.5	5.2	...	25	15	177	11	1	0	4.4	212	0.2	249	1/807	123	122	1,180	4.6	..	..
E-3	H. N. Hammett.....	8-27-63	Ppv	32	...	...	...	...	...	...	4	0	...	5.0	...	...	...	11	8	...	6.0	16	61
F-2	C. B. Willingham..	8-29-63	Ppv	151	...	...	...	...	...	...	22	0	...	3.0	...	...	...	12	0	...	6.9	..	..
G-1	Roy Humphries.....	9-10-64	Ppv	76	...	2.1	...	...	...	...	32	0	...	2.0	...	...	...	28	2	...	6.7	..	..
G-4	R. B. Woods.....	9-14-64	Ppv	62	...	.05	...	...	...	...	210	16	...	3.5	...	...	...	172	0	...	8.5	..	..
G-7	O. W. Braswell....	11- 9-63	Ppv	127	...	...	...	...	...	...	146	8	...	3.0	...	...	...	118	0	...	8.5	..	..
G-10	J. O. Hogan.....	11- 9-63	Ppv	110	...	7.6	...	...	...	...	62	0	...	2.0	...	...	...	42	0	...	8.1	..	..
G-11	Verlie Parker.....	9-13-63	Ppv	24.4	...	...	...	...	...	...	68	0	...	6.0	...	...	...	65	9	...	7.9	..	..
G-12	E. L. Lee.....	11- 9-63	Ppv	146.5	...	...	...	...	...	...	38	0	...	3.0	...	...	...	32	1	...	7.8	..	..
H-1	James Biggs.....	9-27-63	Ppv	37.2	...	...	...	...	...	...	0	0	...	22	...	...	...	8	8	...	4.4	..	..
H-3	Herbert Wilhite...	11-19-63	Ppv	94	...	1.3	...	...	...	...	113	8	...	2.0	...	...	...	92	0	...	8.5	..	..

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	Stream name or well owner	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)	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 (Calcu- lated)	Calcium, magnesium	Non- car- bon- ate			° C	° F
BB-6	Ernest Burrow...	5-4-64	Ppv	133	...	0.18	...	...	...	...	14	0	...	9.6	...	...	...	26	15	...	6.6	..	..
BB-9	Cold Springs School.	5-11-64	Ppv	280	...	.76	...	...	...	...	70	0	...	5.8	...	...	...	45	0	...	8.1	..	..
BB-12	S. E. Young.....	5-11-64	Ppv	91	...	...	...	...	...	...	60	0	...	3.8	...	...	...	45	0	...	7.5	..	..
BB-13	Oliver Williams.	9-22-64	Ppv	94	14	.01	28	13	58	3.1	231	0	49	4.0	0.2	2.5	286	124	0	453	7.9	..	..
DD-5	Emmet Fields....	5-14-64	Ppv	92	...	...	...	...	...	...	128	0	...	4.6	...	...	...	92	0	...	7.0	..	..
EE-6	Eliga Pugh.....	5-14-64	Ppv	68	...	...	...	...	...	...	163	0	...	7.8	...	...	...	142	8	...	6.6	..	..
1/	Residue at 180°C.																						
2/	Analysis by Alabama Department of Public Health.																						
3/	Analysis by Picard Testing Laboratories, Inc., Birmingham, Ala.																						
4/	Analysis by Pittsburg Testing Laboratory, Birmingham, Ala.																						

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	Stream name or well owner	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)	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 (Calcu- lated)	Calcium, magnesium	Non- carbon- ate	° C			° F	
H-5	U. V. Hardin.....	9- 3-63	Epv	35.5	...	9.0	...	...	...	...	100	0	...	3.5	...	...	...	72	0	173	7.0	..	..
H-7	W. H. Morgan.....	9- 4-63	Epv	32.6	...	...	...	...	...	...	7	0	...	4.0	...	...	...	11	5	...	6.8	..	..
H-11	W. H. Chaney.....	9-18-63	Epv	114	...	.13	...	...	...	...	198	0	...	3.6	...	...	...	122	0	312	7.9	..	..
H-12	G. R. Woodard.....	9- 9-63	Epv	52	...	.05	...	...	...	...	11	0	...	6.4	...	...	...	14	5	58	6.8	16	61
H-13	West Point School.	10- 3-63	Epv	77.9	...	3.3	...	...	...	...	81	0	...	2.0	...	...	...	48	0	...	8.2	16	60
H-18	Aubery Guthery....	10-31-63	Epv	110	...	...	...	...	...	...	134	0	...	6.0	...	...	...	100	0	...	8.2	..	..
I-1	Turner Evans.....	8-27-63	Epv	78	...	...	...	...	...	...	10	0	...	1.0	...	...	...	10	2	...	7.0	..	..
I-3	F. C. Oden.....	9-24-64	Epv	200	7.6	...	43	65	42	3.4	272	0	166	40	0.1	3.5	505	374	151	810	7.2	..	..
I-4	Claude Drake.....	8-27-63	Epv	128	...	...	...	...	...	...	17	0	11.0	...	...	...	...	20	6	...	6.9	17	62
I-6	W. P. Bowen.....	10-23-63	Epv	40.7	...	...	...	...	...	...	26	0	...	15	...	...	...	40	19	...	6.5	17	63
I-9	C. A. Hudson.....	9-23-63	Epv	33.6	...	...	...	...	...	...	23	0	...	4.0	...	...	...	19	0	...	7.5	17	63
I-10	Kelly School.....	9-19-63	Epv	80	...	...	...	...	...	...	0	0	...	10	...	...	...	31	31	...	3.9	..	..
I-12	Hobart Doyle.....	10-23-63	Epv	49	...	1.5	...	...	...	...	132	5	...	4.0	...	...	...	105	0	...	8.5	17	63
J-2	H. T. Veal.....	8-26-63	Epv	131	...	...	...	...	...	...	188	0	...	10	...	...	...	162	8	...	7.1	..	..
J-4	Mrs. Benefield....	10- 1-63	Epv	32.9	...	...	...	...	...	...	17	0	...	10	...	...	...	32	18	...	7.4	17	63
J-6	Olin Edmenton.....	8-26-63	Epv	19.4	...	...	...	...	...	...	3	0	...	110	...	...	...	45	43	...	6.1	..	..
J-7	U.S. Quattlebaum..	10-16-63	Epv	125	...	.21	...	...	...	...	136	8	...	2.0	...	...	...	115	0	...	8.6	..	..

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	Well owner	Date of collection	Water-bearing unit	Steam 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 (Calculated)	Calcium, magnesium	Non-carbonate	° C			° F	
J-8	Jack Dye.....	10- 1-63	Epv	125	...	...	...	...	...	...	52	0	...	3.0	...	...	...	40	0	...	6.3	..	..
J-10	M. L. Burke.....	10- 4-63	Epv	44	...	...	...	...	...	...	8	0	...	11	...	...	...	20	13	...	6.0	17	62
J-12	R. J. Linton.....	9-23-63	Epv	35.3	...	...	...	...	...	...	5	0	...	26	...	...	...	16	12	...	6.9	18	64
J-13	Cedric Graveman..	10-22-63	Epv	125	...	0.24	...	...	...	...	49	0	...	2	...	...	...	28	0	...	6.2	..	..
K-2	Hebron Chambers..	8-26-63	Epv	150	...	4.1	...	...	...	...	41	0	...	6.1	...	...	...	26	0	90	7.0	..	..
K-5	Baileyton School.	10- 8-63	Epv	157	...	.33	...	...	...	...	98	8	...	6.0	...	...	...	102	8	...	8.4	..	..
K-9	Fairview School..	10- 1-63	Epv	139	...	1.4	...	...	...	...	116	0	...	3.3	...	...	...	88	0	199	7.1	..	..
K-10	Charles Albright.	10- 3-63	Epv	65.4	...	...	...	...	...	...	49	0	...	1.0	...	...	...	19	0	...	7.3	17	62
K-11	D. H. Freeman....	10-16-63	Epv	98.5	...	.66	...	...	...	...	21	0	...	4.0	...	...	...	16	0	...	6.9	..	..
K-12	Buford Gross.....	10- 9-63	Epv	100.0	...	...	...	...	...	...	32	0	...	9.0	...	...	...	35	9	...	6.3	..	..
K-14	W. C. Martin.....	10- 3-63	Epv	100	...	.14	...	...	...	...	50	0	...	4.7	...	...	...	29	0	92	7.4	..	..
K-16	David Hayes.....	10- 3-63	Epv	58	...	...	...	...	...	...	50	0	...	5.0	...	...	...	28	0	...	7.2	..	..
L-1	M. R. Widner.....	8-26-63	Epv	47	...	1.2	...	...	...	...	55	0	...	5.7	...	...	...	31	0	110	7.2	..	..
L-2	--McDaniel.....	8-26-63	Epv	27.4	...	.50	...	...	...	...	17	0	...	3.9	...	...	...	11	0	36	6.9	..	..
L-3	James Helton.....	10-14-63	Epv	100	...	.11	...	...	...	...	134	6	...	5.0	...	...	...	138	18	...	8.5	..	..
L-4	Walter Willis....	8-26-63	Epv	27.3	...	...	...	...	...	...	10	0	...	34	...	...	...	28	20	...	7.0	..	..
L-7	Dave Benefield...	8-26-63	Epv	67.9	...	.16	...	...	...	...	20	0	...	2.0	...	...	...	15	0	...	7.2	..	..

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	well owner	Date of collection	Water-bearing unit	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 (Calculated)	Calcium, magnesium	Non-carbonate			° C	° F
L-8	Ross Causey.....	9-22-64	Ppv	77	19	0.01	26	4.1	7.6	0.7	116	0	1.6	1.1	0.0	0.1	117	82	0	183	6.6	..	..
L-9	Calvin Roberts....	10-14-63	Ppv	78	...	2.9	...	...	...	...	82	4	...	4.0	...	...	...	62	0	...	8.3	..	..
N-1	H. J. Nail.....	10- 9-63	Ppv	106	...	.06	...	...	...	...	24	0	...	12	...	...	...	35	15	...	7.4	..	..
N-2	Tommy R. Duvall...	10- 8-63	Ppv	83	...	3.6	...	...	...	...	90	2	...	4.0	...	...	...	68	0	...	8.3	..	..
O-1	Hollis Tucker.....	10- 9-63	Ppv	75	...	3.9	...	...	...	...	112	0	...	3.0	...	...	...	80	0	...	6.9	..	..
² /O-4	Holly Pond.....	8-16-63	Ppv	205	...	.27	34.6	9.0	...	...	...	...	2.5	...	.1	.3	³ /153	123	...	...	7.2	..	..
O-5	Julious Childress.	10- 7-63	Ppv	41.8	...	...	...	...	...	...	32	0	...	4.0	...	...	...	28	2	...	6.4	18	64
O-6	Ollie Mae Farr....	10- 7-63	Ppv	47.8	...	...	...	...	...	...	83	0	...	4.0	...	...	...	62	0	...	6.7	17	62
O-7	Luther Wise.....	8- 4-64	Ppv	100	...	...	...	...	...	...	142	0	...	4.2	...	...	...	109	0	...	7.3	..	..
O-8	J. B. Neal.....	8- 4-64	Ppv	99	...	...	...	...	...	...	80	0	...	3.8	...	...	...	75	9	...	7.2	..	..
O-9	C. N. Dodson.....	10- 9-63	Ppv	108	...	...	...	...	...	...	28	0	...	24	...	...	...	35	12	...	6.0	17	63
O-10	Henry Baker.....	10- 9-63	Ppv	72	...	1.1	...	...	...	...	70	0	...	4.0	...	...	...	70	13	...	8.2	19	66
O-11	Elmer Furl.....	10- 7-63	Ppv	125	...	.21	...	...	...	...	24	0	...	6.0	...	...	...	25	5	...	7.5	17	62
O-13	James R. Foust....	8- 4-64	Ppv	45	...	2.1	...	...	...	...	31	0	...	7.2	...	...	...	30	0	...	6.3	..	..
O-14	Ruby Stores.....	8- 4-64	Ppv	54.7	...	...	...	...	...	...	1	0	...	38	...	...	...	39	38	...	4.6	18	65
O-15	V. W. Tidwell.....	10- 9-63	Ppv	145	...	...	...	...	...	...	62	0	...	6.0	...	...	...	50	0	...	8.0	..	..
P-1	Mrs. Early Leathers	10-4-63	Ppv	51.0	...	...	...	...	...	...	4	0	...	8.0	...	...	...	12	9	...	6.9	18	64

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	Stream name well owner	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)	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 (Calcu- lated)	Calcium, magnesium	Non- car- bonate			° C	° F
					P-2	W. C. Davis.....	10- 3-63	Ppv	65.0	59	0	...	3.0		
P-4	A. P. Keese.....	9-14-64	Ppv	116	...	0.15	...	...	...	...	150	8	...	4.4	...	...	...	118	0	...	8.5	..	..
P-6	Horace Wadell....	7-30-64	Ppv	48	...	...	...	...	...	...	36	0	...	7.4	...	...	...	28	0	...	6.4	..	..
P-7	L. A. Leathers...	9-23-63	Ppv	81.3	...	...	...	...	...	...	32	0	...	5.0	...	...	...	25	0	...	7.6	17	63
P-8	Asple Leipert....	9-23-63	Ppv	92	...	...	...	...	...	...	68	0	...	2.0	...	...	...	45	0	...	8.1	17	62
P-10	Harvey Hightower.	10- 7-63	Ppv	45.7	...	.66	...	...	...	...	76	0	...	6.0	...	...	...	54	0	...	6.6	18	64
P-11	Wolti School.....	10- 1-63	Ppv	120	...	.35	...	...	...	...	86	0	...	2.0	...	...	...	58	0	...	6.7	..	..
P-12	J. L. Swofford...	9-22-64	Ppv	110	20	.00	24	11	9.9	1.1	150	0	0.2	1.5	0.1	0.0	142	105	0	227	6.9	..	..
Q-2	Dewey Loyd.....	9-19-63	Ppv	146	...	1.9	...	...	...	...	37	0	...	5.0	...	...	...	24	0	...	7.6	17	63
3/Q-6	King Pharr Canning Co.	8- -46	Ppv Mb(?)	426	18.2	.5	47.5	11.1	13.5	2.3	186.2	...	37.0	12.6	...	.1	264.7	164.3	...	...	7.3	..	..
Q-7	Frank Benninger..	9-30-63	Ppv	34.0	...	...	...	...	...	...	11	0	...	2.0	...	...	...	12	3	...	5.8	17	63
Q-10	Lee Gardner.....	9-25-63	Ppv	39.1	...	...	...	...	...	...	8	0	...	32	...	...	...	59	52	...	5.6	17	63
Q-17	O. S. Hunt.....	9-25-63	Ppv	85	...	...	...	...	...	...	48	0	...	4.0	...	...	...	35	0	...	7.1	..	..
Q-18	Hasten Poore.....	7-29-64	Ppv	80	....	7.2	...	...	...	...	66	0	...	6.2	...	...	...	45	0	...	7.2	..	..
R-1	Ernest Chandler..	9-30-63	Ppv	63	...	...	...	...	...	...	123	4	...	8.0	...	...	...	90	0	...	8.5	17	62
R-2	Othel Kugler.....	11- 7-63	Ppv	27.9	...	19	...	...	...	...	123	0	...	6.6	...	...	...	104	0	245	7.9	..	..
R-4	Howard Brown.....	9-14-64	Ppv	60	...	.57	...	...	...	...	258	0	...	5.0	...	...	...	181	0	...	7.1	..	..

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	Stream name or well owner	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)	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 (Calcu- lated)	Calcium, magnesium	Non- car- bon- ate			° C	° F
R-5	E. O. Higgins.....	9-17-63	Ppv	159.5	...	0.08	...	...	...	...	23	0	...	17	...	...	...	32	13	...	7.1	17	62
R-8	J. F. Rutherford..	9-17-63	Ppv	54	...	...	...	...	...	...	3	0	...	18	...	...	...	10	8	...	5.3	..	..
R-10	J. D. Lay.....	9-17-63	Ppv	33	...	...	...	...	...	...	45	0	...	34	...	...	...	41	4	...	7.8	17	63
R-11	Calvin Kilgo.....	5- 6-64	Ppv	65	...	...	...	...	...	...	29	0	...	4.8	...	...	...	38	14	...	7.5	..	..
R-12	Belton Whitlock...	5- 6-64	Ppv	70	...	...	...	...	...	...	3	0	...	17	...	...	...	45	43	...	5.5	..	..
S-1	D. A. Rogers.....	9-17-63	Ppv	37.3	...	...	...	...	...	...	0	0	...	17	...	...	...	18	18	...	4.4	..	..
S-2	Jones Chapel School	9-13-63	Ppv	125	...	.97	...	...	...	...	77	0	...	4.7	...	...	...	48	0	139	7.4	..	..
S-4	Charles O'Rear....	9-13-63	Ppv	86	...	.38	...	...	...	...	84	0	...	4.1	...	...	...	50	0	138	7.6	..	..
S-5	H. L. Peak.....	9- 9-63	Ppv	22.4	...	...	...	...	...	...	102	0	...	11	...	...	...	90	6	...	8.2	..	..
S-7	Marion Bartlett...	9- 9-63	Ppv	40.6	...	...	...	...	...	...	1	0	...	28	...	...	...	20	19	...	4.7	..	..
S-9	Logan School.....	9-22-64	Ppv	75	18	.01	21	11	11	1.1	132	0	7.4	3.9	0.1	0.0	139	97	0	224	6.3	..	..
S-10	C. W. Hudson.....	5- 5-64	Ppv	90	...	.18	...	...	...	...	0	0	...	20	...	...	...	28	28	...	4.4	..	..
S-11	S. T. Stallins....	9- 9-63	Ppv	120	...	...	...	...	...	...	47	0	...	6.0	...	...	...	38	0	...	6.8	..	..
T-1	L. M. Freeman.....	5- 5-64	Ppv	54	...	...	...	...	...	...	12	0	...	17	...	...	...	30	20	...	7.3	16	60
T-2	W. C. Wood.....	5- 5-64	Ppv	80	...	...	...	...	...	...	74	0	...	14	...	...	...	99	38	...	8.0	..	..
T-3	V. A. Williams....	5- 5-64	Ppv	65	...	...	...	...	...	...	88	0	...	8.2	...	...	...	126	4	...	7.7	..	..
T-4	Ogene Eddy.....	5- 5-64	Ppv	100	...	...	...	...	...	...	85	0	...	6.4	...	...	...	92	22	...	7.9	16	60

Table 2.--Chemical analyses of water from wells in Gullman County--Continued

Number	Stream-name or well owner	Date of collection	Water- bearing unit	Stream discharge (cfs) 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)	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 (Calcu- lated)	Calcium, magnesium	Non- car- bon- ate			°C	°F
T-6	Major Miller.....	5- 6-64	Ppv	101.4	...	...	...	...	...	...	118	0	...	15	...	...	...	118	12	...	7.8	16	61
T-8	Dowling School...	5- 4-64	Ppv	200	...	0.21	...	...	...	...	18	0	...	7.6	...	...	...	16	1	...	6.7	..	..
T-9	James Austin.....	5- 4-64	Ppv	110	...	...	...	...	...	...	8	0	...	14	...	...	...	19	12	...	7.4	..	..
U-2	Billy Clay.....	5- 6-64	Ppv	33.6	...	...	...	...	...	...	21	0	...	7.8	...	...	...	18	1	...	7.2	16	60
U-5	K. V. Davis.....	5- 6-64	Ppv	101	...	...	...	...	...	...	79	0	...	8.6	...	...	...	68	3	...	7.8	..	..
U-6	J. D. Glenn.....	5- 8-64	Ppv	144	...	1.6	...	...	...	...	90	0	...	5.6	...	...	...	70	0	...	7.8	..	..
V-1	Otto Evers.....	7-23-64	Ppv	39.7	...	.08	...	...	...	...	12	0	...	8.8	...	...	...	22	12	...	6.6	17	62
V-3	Good Hope School.	5- 6-64	Ppv	140	...	.62	...	...	...	...	238	0	...	7.2	...	...	...	171	0	...	7.9	..	..
V-5	Ella Doss.....	7-23-64	Ppv	60	...	...	...	...	...	...	306	0	...	11	...	...	...	198	0	...	7.1	..	..
V-6	I. J. Hood.....	7-22-64	Ppv	90	...	...	...	...	...	...	187	0	...	5.8	...	...	...	134	0	...	7.9	..	..
V-7	W. H. Ziegenbein.	7-23-64	Ppv	79	...	.23	...	...	...	...	195	10	...	4.2	...	...	...	139	0	...	8.5	..	..
V-9	Howard Scott.....	5-14-64	Ppv	131.7	...	...	...	...	...	...	193	0	...	9.4	...	...	...	90	0	...	6.9	16	60
V-10	W. E. Harris.....	5-18-64	Ppv	68	...	...	...	...	...	...	219	0	...	9.6	...	...	...	74	0	...	7.2	..	..
V-11	Agnes Kinny.....	7-23-64	Ppv	100	...	...	...	...	...	...	70	0	...	3.8	...	...	...	56	0	...	6.5	..	..
V-12	James Turner.....	7-23-64	Ppv	60	...	...	...	...	...	...	250	6	...	4.4	...	...	...	22	0	...	8.4	..	..
V-14	Charles Hestla...	7-23-64	Ppv	78	...	...	...	...	...	...	101	0	...	5.2	...	...	...	72	0	...	6.9	..	..
W-1	Paul Fox.....	7-31-64	Ppv	64	...	...	...	...	...	...	63	0	...	9.4	...	...	...	42	0	...	6.5	..	..

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	Stream name or well owner	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)	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 (Calcu- lated)	Calcium, magnesium	Non- car- bon- ate	° C			° F	
W-2	C. L. Patrick....	7-29-64	Epv	83	...	...	...	...	...	...	108	0	...	2.6	...	...	...	88	0	...	6.9	..	..
W-3	Jack Sandlin.....	7-31-64	Epv	89	...	2.7	...	...	...	...	116	0	...	5.4	...	...	...	78	0	...	6.7	..	..
W-4	J. H. Howard.....	8- 4-64	Epv	211	...	...	...	...	...	...	50	0	...	8.8	...	...	...	41	0	...	6.4	..	..
W-6	John C. Smith....	7-29-64	Epv	93	...	.29	...	...	...	...	64	0	...	3.4	...	...	...	50	0	...	7.3	..	..
W-7	Roy Moore.....	7-31-64	Epv	40	...	...	...	...	...	...	90	0	...	7.0	...	...	...	81	7	...	8.0	..	..
W-8	D. L. Turney.....	7-31-64	Epv	50	...	...	...	...	...	...	86	0	...	6.0	...	...	...	65	0	...	8.2	..	..
³ /W-9	Town of Hanceville	8- -46	Epv	363	18.1	1.2	13.9	8.3	29.1	3.8	137.2	...	19.3	13.5	...	0.2	¹ /250.8	77.7	...	...	7.2	..	..
W-10	Paul Cole.....	8- 3-64	Epv	57	...	.04	...	...	...	...	203	9	...	7.4	...	...	...	138	0	...	8.4	..	..
W-11	O. L. Rider.....	7-29-64	Epv	39	...	...	...	...	...	...	30	0	...	8.8	...	...	...	20	0	...	7.6	..	..
W-13	J. G. McHenry....	7-29-64	Epv	87	...	4.2	...	...	...	...	124	0	...	3.8	...	...	...	75	0	...	7.6	..	..
W-14	S. E. Mardis.....	7-22-64	Epv	195	...	.19	...	...	...	...	356	25	...	32	...	...	...	16	0	...	8.9	..	..
W-15	Curtis Burden....	7-23-64	Epv	108	...	...	...	...	...	...	305	0	...	12	...	...	...	16	0	...	8.1	..	..
W-16	G. E. Barnett....	7-22-64	Epv	80	...	...	...	...	...	...	192	8	...	9.8	...	...	...	118	0	...	8.4	..	..
W-17	Julius B. Headrick	7-29-64	Epv	50	...	...	...	...	...	...	7	0	...	11	...	...	...	30	24	...	5.7	..	..
X-2	V. A. Doty.....	8- 4-64	Epv	108	...	...	...	...	...	...	18	0	...	5.4	...	...	...	14	0	...	5.9	..	..
X-3	J. H. McAlpin....	8- 4-64	Epv	72	...	5.2	...	...	...	...	64	0	...	5.6	...	...	...	48	0	...	6.4	..	..
⁴ /Y-1	Town of Garden City.	1- -51	Epv	120	21.6	2.0	28.6	1.5	32.5	...	144.0	0	35.7	8.8	...	...	¹ /224.0	84.8	...	...	6.9	..	..

Table 2.--Chemical analyses of water from wells in Cullman County--Continued

Number	Stream name or well owner	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)	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 (Calcu- lated)	Calcium, magnesium	Non- car- bonate			°C	°F
Y-1	Town of Garden City.	9-22-64	Ppv	120	12	2.6	36	12	31	1.4	156	0	61	12	0.2	0.0	243	141	13	391	7.1	..	..
Y-2	H. A. Simpson....	7-22-64	Ppv	75	...	...	...	...	...	...	119	6	...	8.5	...	...	...	96	0	...	8.5	..	..
Y-4	E. C. Sapp.....	5-20-64	Ppv	54	...	7.9	...	...	...	...	75	0	...	7.8	...	...	...	70	9	...	6.6	..	..
Y-5	E. R. Cupp.....	5-20-64	Ppv	90	...	...	...	...	...	...	20	0	...	17	...	...	...	61	45	...	6.2	..	..
Z-1	Ray Hogland.....	5-18-64	Ppv	103.4	...	...	...	...	...	...	16	0	...	7.4	...	...	...	15	2	...	7.0	..	..
Z-2	William Casey....	9-22-64	Ppv	172	13	...	13	11	42	1.5	195	0	3.4	5.0	.2	.2	185	78	0	307	7.0	..	..
Z-4	R. F. Nicholes...	5-20-64	Ppv	28	...	...	...	...	...	...	268	0	...	8.2	...	...	...	161	0	...	7.3	..	..
Z-5	Poultry By- Products.	5-20-64	Ppv	115	...	...	...	...	...	...	141	0	...	6.6	...	...	...	54	0	...	7.2	..	..
Z-6	A. B. Shelton....	5-18-64	Ppv	59	...	...	...	...	...	...	64	0	...	26	...	...	...	56	4	...	6.6	..	..
Z-7	Colony School....	5-18-64	Ppv	40	...	.15	...	...	...	...	12	0	...	3.4	...	...	...	18	8	...	6.9	..	..
Z-8	Ezra Dean.....	5-20-64	Ppv	44	...	...	...	...	...	...	79	0	...	7.6	...	...	...	62	0	...	6.8	..	..
Z-9	Archie Parsons...	5-20-64	Ppv	120	...	...	...	...	...	...	299	0	...	9.4	...	...	...	82	0	...	7.2	..	..
BB-1	Verlin McSwain...	5- 8-64	Ppv	101	...	...	...	...	...	...	66	0	...	2.0	...	...	...	55	1	...	7.6	..	..
BB-2	Harold Williams..	5- 8-64	Ppv	54	...	...	...	...	...	...	16	0	...	2.2	...	...	...	15	2	...	6.7	..	..
BB-4	R. E. Calvert....	5- 4-64	Ppv	210	...	...	...	...	...	...	82	0	...	5.4	...	...	...	65	0	...	7.5	..	..
BB-5	Mancle Calvert...	5- 8-64	Ppv	210	...	...	...	...	...	...	92	0	...	2.2	...	...	...	62	0	...	7.7	..	..