

GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER  
IN EASTERN ARKANSAS, 1991

By Paul W. Westerfield and Sharon T. Touschner

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LOCAL CONSERVATION DISTRICTS

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MANUEL LUJAN, JR., Secretary

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## CONVERSION FACTORS AND VERTICAL DATUM

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

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ABSTRACT

This report, prepared by the U.S. Geological Survey in cooperation with the Arkansas Soil and Water Conservation Commission, the U.S. Soil Conservation Service, and local Conservation Districts, contains ground-water level measurements of 452 wells completed in the alluvial aquifer in the Quaternary deposits of the Mississippi Alluvial Plain. The measurements were made by Soil Conservation Service personnel during 1991.

The shallowest spring water levels occurred in Ashley, Clay, Crittenden, Drew, Independence, Mississippi, Phillips, and Randolph Counties where water levels averaged less than 20 feet below the land surface. The deepest water levels occurred in Lonoke, Poinsett, and Prairie Counties where water levels of more than 100 feet were measured. Water levels in the fall averaged about 4.0 feet lower than during the spring.

## INTRODUCTION

This report contains records of water-level measurements made in 452 wells completed in the aquifer in the Quaternary deposits of the Mississippi Alluvial Plain (fig. 1), herein referred to as the alluvial aquifer. It is prepared as part of the East Arkansas Water Conservation Project, a cooperative effort with the Arkansas Soil and Water Conservation Commission, the U.S. Soil Conservation Service, and local Conservation Districts, to better define the hydrologic characteristics of the alluvial aquifer in eastern Arkansas. In addition to the data included in this report, the U.S. Geological Survey, in cooperation with the Arkansas Geological Commission, has maintained for several years a network of monitor wells measured each spring before the pumping season. Recent publications of the U.S. Geological Survey concerning the alluvial aquifer in eastern Arkansas are listed in the selected references section of this report.

The data in this report were collected by Soil Conservation Service personnel with coordination provided by the U.S. Geological Survey. The water-level data included in this report are stored in the U.S. Geological Survey's WATSTORE computerized ground-water data file system. Spring water-level data were not obtained for Arkansas and Woodruff Counties. Fall water-level data were not obtained for Crittenden County.

The water levels in table 1 reflect the spring and fall conditions during 1991. The shallowest spring water levels occurred in Ashley, Clay, Crittenden, Drew, Independence, Mississippi, Phillips, and Randolph Counties where water levels averaged less than 20 feet below the land surface. The deepest water levels occurred in Lonoke, Poinsett, and Prairie Counties where water levels of more than 100 feet below land surface were measured; water levels in these counties averaged from 62.3 to 67.5 feet below land surface. Water levels in the fall averaged about 4.0 feet lower than during the spring.

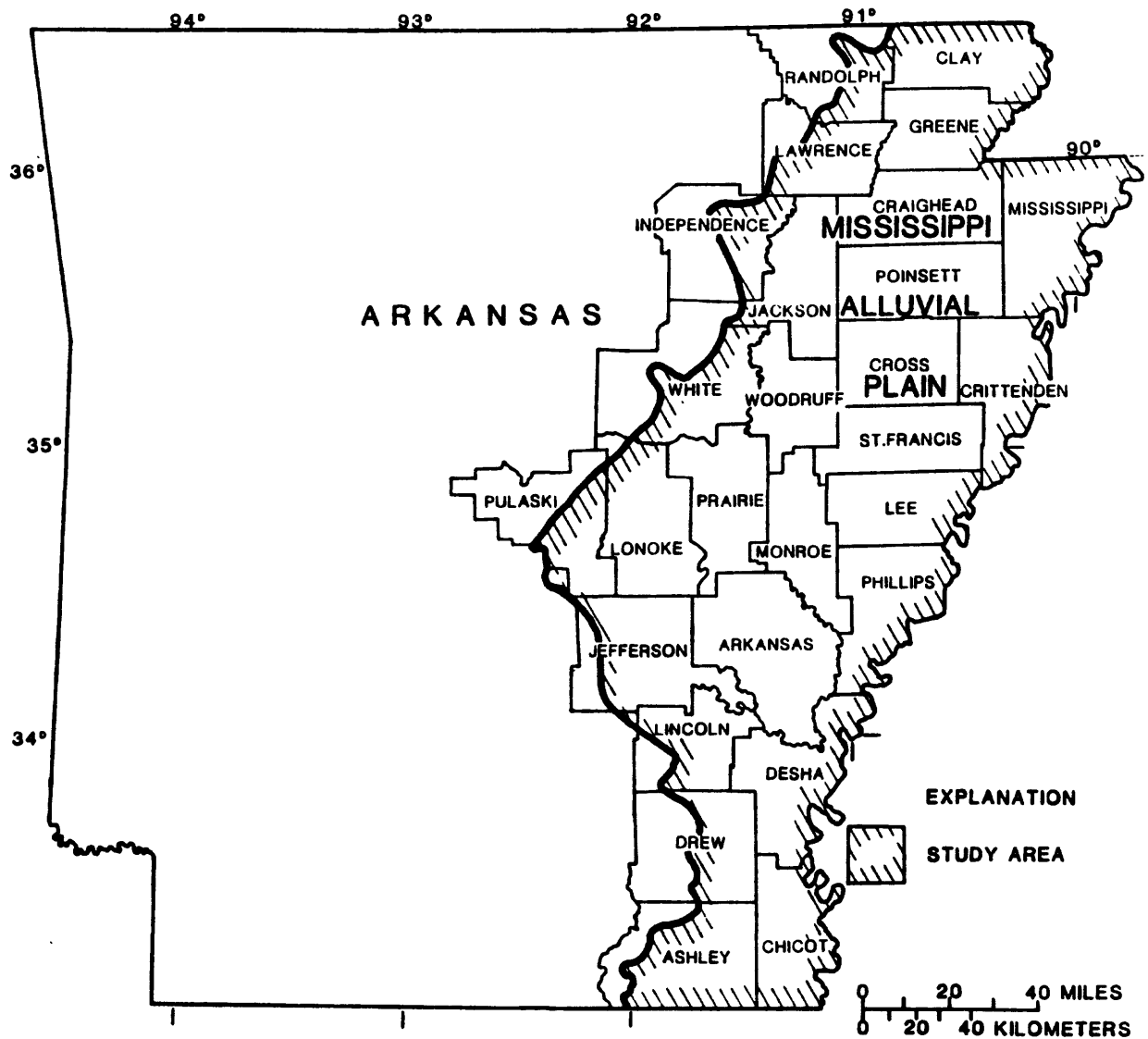


Figure 1.--Location of study area.

## DESCRIPTION OF HEADINGS

Table headings used in the report are defined as follows:

Location: An explanation is given on pages 5 and 6.

Altitude of land surface: Altitude of the land surface at the well, in feet above sea level. The altitudes were estimated from topographic maps and are accurate to within 2.5 feet.

Measurement of depth to water below land surface: Measured depth to water, in feet below or above (-) land surface. Measurements made with a chalked steel tape are reported to the nearest 0.1 foot and are accurate to within 0.05 foot. Measurements made with a pressure gage are reported to the nearest foot and are accurate to the nearest 0.5 foot.

Date: The date of the measurement. If the day is unknown, the month followed by -00 is listed in this report.

Altitude of water level: Altitude of water level, in feet above sea level.

Net change: Difference in feet between the spring and fall 1991 depth to water below land surface. A negative value indicates a decline in the water level in the well during the period.

## WELL-NUMBERING SYSTEM

The well-numbering system used in this report is based upon the location of the wells according to the Federal land survey used in Arkansas. The component parts of a well number are the township number, the range number, the section number, and three letters which indicate, respectively, the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section in which the well is located. The letters are assigned counterclockwise, beginning with "A" in the northeast quarter or quarter-quarter or quarter-quarter-quarter section in which the well is located. For example, well 01S03W04BBD16 (fig. 2) is located in Township 1 South, Range 3 West, and in the southeast quarter of the northwest quarter of the northwest quarter of section 4. This well is the 16th well in this quarter-quarter-quarter section of section 4 from which data were collected.



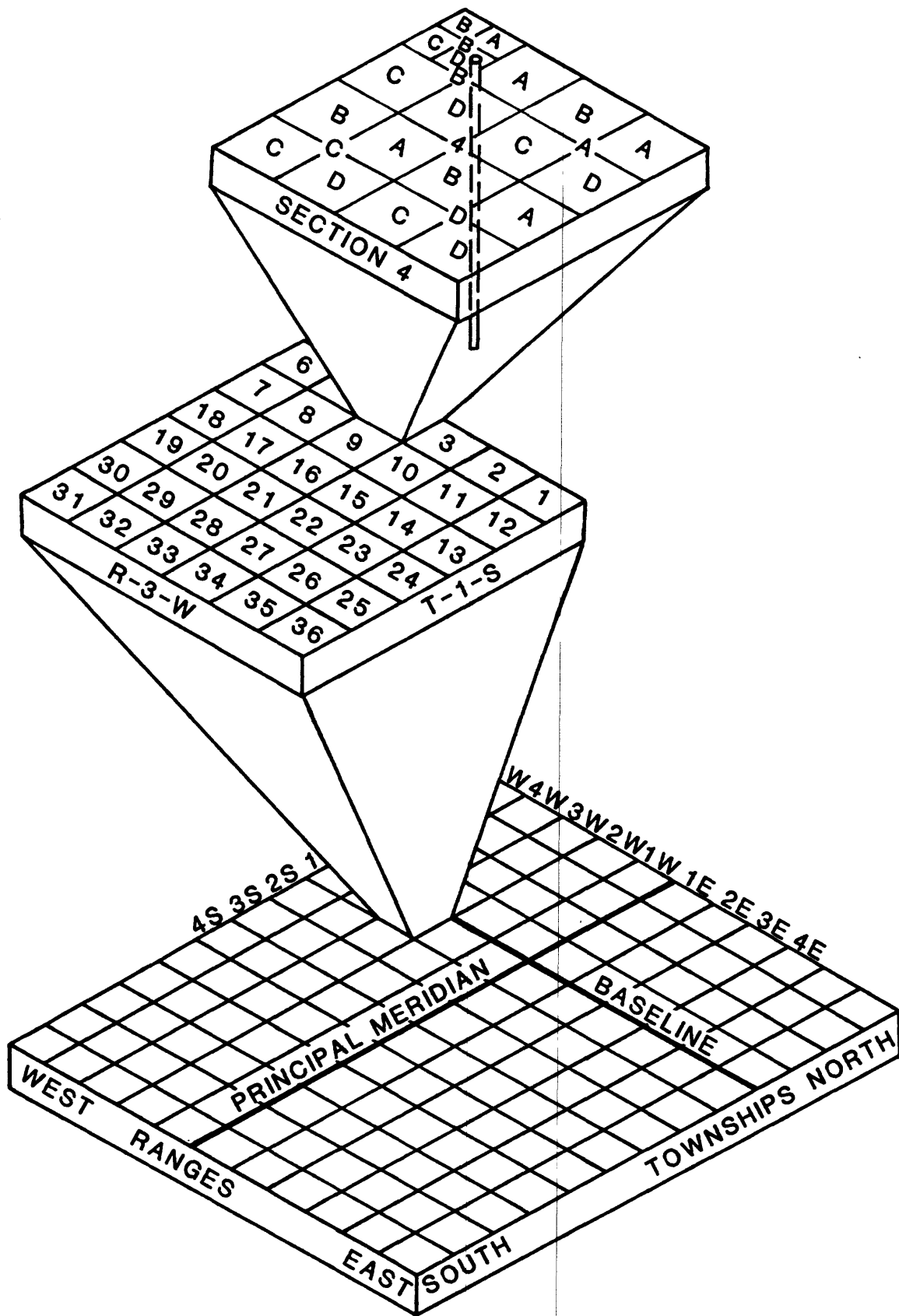


Figure 2.--Well-numbering system.

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Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)	Date	
ARKANSAS COUNTY									
04S04W14CCC1	Glen Stone	202	--	--	--	107.0	12-16	95	--
05S03W16ABB1	Allen Bros.	196	--	--	--	107.0	12-16	89	--
05S04W04BAA1	Marion Hartz	186	--	--	--	92.0	12-16	94	--
05S04W14AAD1	A.C. Smith	186	--	--	--	92.0	12-16	94	--
05S04W34BAC1	Mark Berry	191	--	--	--	70.0	12-16	121	--
ASHLEY COUNTY									
16S04W21AAC1	Craig Shackelford	130	24.9	04-09	105	32.6	10-15	97	-7.7
17S05W01AAD1	Joel Newcomb	122	13.6	04-09	108	14.7	10-15	107	-1.1
18S04W23DDD1	Henry Morschheimer	103	15.7	04-09	87	21.3	10-15	82	-5.6
18S05W11CCD1	Billy Scroggins	118	16.5	04-09	102	20.4	10-08	98	-3.9
18S05W22DDA1	W. H. Maxwell	125	14.7	04-09	110	16.5	10-08	109	-1.8
19S04W14BBB1	Ronald Miller	107	17.8	04-09	89	23.8	10-08	83	-6.0
19S05W08ACA1	Steven Harvey	111	12.0	04-09	99	14.8	10-08	96	-2.8
19S05W16ABB1	John Currie, Jr.	116	19.2	04-09	97	20.6	10-08	95	-1.4
19S05W22DCD1	Betty Channell	107	17.0	04-09	90	18.7	10-08	88	-1.7
CHICOT COUNTY									
13S03W27AAA1	Bobby Braswell	138	30.0	04-15	108	31.0	10-18	107	-1.0
14S02W09BD	J. Golden	135	24.0	04-15	111	30.0	10-18	105	-6.0
14S02W18BBA1	B.F.W.	130	20.0	04-15	110	22.0	10-18	108	-2.0
15S01W31ADD1	Ralph Baskett	120	17.0	04-23	103	22.0	10-15	98	-5.0
15S02W20DDC1	Bruce Leggett	125	24.0	04-16	101	21.0	10-17	104	3.0
15S03W13ACC1	Bill Keller	125	22.0	04-16	103	25.0	10-18	100	-3.0
16S01W12DDB1	Joe Gates	110	21.0	04-24	89	24.0	10-15	86	-3.0
16S03W11ABA1	Lewis Howell	115	21.0	04-23	94	24.0	10-17	91	-3.0
17S03W18CBC1	Gus Pugh	115	26.0	04-24	89	28.0	10-15	87	-2.0
17S03W28ACC1	R.H. Tuggle	105	22.0	04-24	83	23.0	10-15	82	-1.0
18S01W33BDA1	Alvin Meyer, Jr.	115	15.0	04-25	100	18.0	10-17	97	-3.0
19S02W28DAC1	Major Winters	125	38.0	04-25	87	40.0	10-15	85	-2.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)	Date	
CLAY COUNTY									
19N04E11DAA1	Joe Dodd	280	13.6	04-00		17.0	10-01	263	-3.4
19N06E18DBC1	Leroy Cruce	297	22.0	04-00		25.5	10-01	272	-3.5
19N07E25BCB1	Lynn Wimberley	268	12.0	04-00		25.5	10-01	243	-13.5
19N08E08DCA1	Ropac	263	4.0	04-00		9.1	10-01	254	-5.1
19N09E19CDC1	Frank Thrasher	265	3.5	04-00		9.1	10-01	256	-5.6
20N04E03AAC1	Quinn Brown	290	13.1	04-00		17.0	10-01	273	-3.9
20N05E15CAA1	Odell Richardson	291	17.4	04-00		23.0	10-01	268	-5.6
20N05E22CAD1	Wallace Lewallen	290	18.5	04-00		21.2	10-01	269	-2.7
20N05E22DBC1	Wallace Lewallen	290	--	--		25.4	10-01	265	--
20N06E09BBA1	Leon Cates	290	10.5	04-00		16.2	10-01	274	-5.7
20N06E28CDD1	Harold Bauschlicher	290	16.5	04-00		19.3	10-01	271	-2.8
20N08E22BDA1	Charles Hollis	279	6.5	04-00		13.1	10-01	266	-6.6
20N09E09ABC1	Jess Hill	279	3.5	04-00		12.5	10-01	267	-9.0
21N03E15CBC1	Joe Lewis	292	8.5	04-00		11.5	10-01	281	-3.0
21N03E36CDC1	O.E. Davis	290	13.5	04-00		17.6	10-01	272	-4.1
21N04E09DAC1	Buel Turner	291	6.5	04-00		11.3	10-01	280	-4.8
21N06E09BBB1	John Holifield	292	3.4	04-00		11.9	10-01	280	-8.5
21N07E01DCD1	David Lawrence	303	5.0	04-00		26.5	10-01	277	-21.5
21N07E19BDA1	Junior Allman	295	10.0	04-00		21.6	10-01	273	-11.6
21N08E03CCD1	Ricky Jones	310	17.0	04-00		--	--	--	--
21N08E03CDB1	Charles Foster	308	7.8	04-00		--	--	--	--
CRAIGHEAD COUNTY									
13N01E03AAA1	Joy Ledbetter	240	39.6	05-15		43.0	10-09	197	-3.4
13N01E18D	Jimmy Denton	234	29.4	04-30		--	--	--	--
13N01E21CA	Ledbetter/Gossage	240	54.0	05-15		58.0	10-09	182	-4.0
13N02E02AAB1	Jerry Simmons	251	71.8	05-14		74.3	10-09	177	-2.5
13N02E03AAA1	Freeze/Waddill	250	72.2	05-15		73.0	10-09	177	-0.8
13N03E23CDA1	Earl Hill	249	75.4	03-21		77.9	10-09	171	-2.5
13N03E28CDA1	H. Clark/Adams	250	86.8	03-21		89.5	10-09	161	-2.7
13N04E15DCC1	W.R. Carter	230	19.4	03-21		21.7	10-09	208	-2.3
13N04E26BCC1	R. Thurman	225	21.5	03-21		23.5	10-09	202	-2.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)	Date	
CRAIGHEAD COUNTY--Continued									
13N05E06DCC1	Mildred Morrison	229	16.2	213	03-19	18.2	211	10-10	-2.0
13N06E03ACB1	Noel Eggers	223	4.1	219	03-19	7.6	215	10-10	-3.5
13N06E21CBD1	Ed Ball	222	7.9	214	03-19	9.5	213	10-10	-1.6
13N07E22DBA1	Herbert Wood	220	3.8	216	04-17	9.8	210	10-10	-6.0
13N07E35ADD1	H. Adams, Jr.	221	8.0	213	04-17	13.0	208	10-10	-5.0
14N01E03ACB1	Wiggins	249	39.0	210	05-09	40.0	209	10-09	-1.0
14N01E10BAB1	Wayne Wiggins	246	36.3	210	05-09	38.3	208	10-09	-2.0
14N01E31DAB1	Raymond Crider	251	45.0	206	05-15	47.1	204	10-09	-2.1
14N02E15DDA1	Donald Williams	255	60.1	195	05-09	62.7	192	10-09	-2.6
14N02E16BCD1	Larry Burns	250	50.6	199	05-09	53.7	196	10-09	-3.1
14N02E22AAD1	Williams	255	60.0	195	05-09	62.7	192	10-09	-2.7
14N05E29BAB1	Hellsboro Plaza, Inc	236	17.6	218	04-17	19.5	217	10-10	-1.9
14N07E07BBC1	B. McFarlin	230	3.7	226	04-17	9.1	221	10-10	-5.4
15N02E01CAB1	Cleo Watkins Jr.	265	21.3	244	04-11	23.4	242	10-09	-2.1
15N02E12ABC1	S.W. Knight	250	20.2	230	04-11	22.0	228	10-09	-1.8
15N05E15DDB1	Randolph Steele	253	20.3	233	05-09	26.7	226	10-10	-6.4
15N05E32ABB1	Ray Dooley	252	17.2	235	05-09	24.2	228	10-10	-7.0
15N06E04ABB1	Poley Schug	239	7.6	231	04-17	13.5	226	10-10	-5.9
15N07E10DA	Maurice Keich, Trust	235	7.6	227	04-17	11.9	223	10-10	-4.3
15N07E21DAB1	Urell Dudley	236	7.7	228	04-17	12.5	224	10-10	-4.8

CRITTENDEN COUNTY

05N07E08DDA1	Billy West	206	13.3	193	06-12	--	--	--	--
05N07E34BDB1	Carlson	205	11.7	193	06-12	--	--	--	--
06N07E14BAA1	C.L. Eubanks	211	14.5	197	06-12	--	--	--	--
07N06E08DAD1	Billy Rogers	210	19.9	190	06-13	--	--	--	--
07N08E17BBC1	L. McCuiston	212	6.9	205	06-12	--	--	--	--
08N06E01DCC1	Sam Hatley	215	24.3	191	06-17	--	--	--	--
08N06E06DDA1	George Watson	214	26.9	187	06-17	--	--	--	--
08N07E32DAD1	Joe Marotti	215	21.3	194	06-13	--	--	--	--
09N07E02CCA1	Ed Young	225	30.0	195	06-17	--	--	--	--
09N08E04CCB1	Joe Boone	216	18.0	198	06-17	--	--	--	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)		
CROSS COUNTY									
06N02E10CDA1	V.A. Pervin	200	53.5	05-14	147	47.5	10-03	153	6.0
06N02E12AAA1	Hoyt Neill	235	66.2	05-14	169	70.0	10-03	165	-3.8
06N04E01BBB1	Lucy Billingsley	205	28.5	05-15	177	31.5	10-03	174	-3.0
06N05E02AAA1	M & W Farms	205	30.3	05-15	175	31.5	10-03	174	-1.2
07N01E05DCB1	W.E. Plyler	215	59.6	05-14	155	59.5	10-03	156	0.1
07N01E06CAA1	Sonny Cox	220	59.0	05-14	161	59.0	10-03	161	0.0
07N01E33BBB1	Martin Ridley	215	56.0	05-14	159	64.0	10-03	151	-8.0
07N02E04DCD1	Randy Boeckmann	225	54.0	05-14	171	55.0	10-03	170	-1.0
07N02E10ABB1	E.R. Rolfe	225	70.8	05-14	154	72.5	10-03	153	-1.7
07N02E15DAA1	David Tyer	218	61.0	05-14	157	61.0	10-03	157	0.0
07N02E29DDC1	Martha Ellis Est	220	58.2	05-14	162	59.5	10-03	161	-1.3
07N03E05AAD1	Gloria Borell	255	96.2	05-14	159	97.5	10-03	158	-1.3
07N04E04DBB1	Glen Eaton	201	21.9	05-15	179	25.0	10-03	176	-3.1
07N05E02AAB1	O.C. Houser	210	26.7	05-15	183	30.5	10-03	180	-3.8
07N05E25ABA1	H.F. Sloan	205	27.2	05-15	178	29.5	10-03	176	-2.3
08N01E02CDD1	Ms. George Wisemore	227	60.0	05-14	167	64.5	10-03	163	-4.5
08N01E16DBB1	Myrtle Kemp	225	68.4	05-14	157	74.0	10-03	151	-5.6
08N02E12DCC1	Donald Rolland Est	230	75.6	05-14	154	76.0	10-03	154	-0.4
08N02E17BAA1	L.V. Diebold	225	70.0	05-14	155	70.5	10-03	155	-0.5
08N04E27ABB1	Kenneth Thompson	205	22.0	05-15	183	26.5	10-03	179	-4.5
09N01E04ACD1	Virginia Rienhart	225	73.6	05-14	151	71.5	10-03	154	2.1
09N01E33BBB1	Rebecca Fisher	225	62.8	05-14	162	63.7	10-03	161	-0.9
09N01E36AAB1	Curtis Hagler	225	69.0	05-14	156	69.5	10-03	156	-0.5
09N02E17AAB1	Sam Vaughn	232	80.0	05-14	152	79.5	10-03	153	0.5
09N02E20AAA1	Fay Imboden	230	75.9	05-14	154	75.0	10-03	155	0.9
09N02E30CBB1	Larry Volk	225	76.6	05-14	148	72.5	10-03	153	4.1
09N03E03ACC1	Lou Stadler	250	--	--	--	94.0	10-03	156	--
09N03E17CDD1	Millard Carter	245	88.2	05-14	157	87.5	10-03	158	0.7
09N04E03DBB1	John Brown	215	19.7	05-15	195	22.5	10-03	193	-2.8
09N04E33ADB1	Anne Quessenberry	205	19.5	05-15	186	21.5	10-03	184	-2.0
09N05E32BDB1	Elizabeth Johnston	210	24.3	05-15	186	29.5	10-03	181	-5.2

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)		
DESHA COUNTY									
07S01E19ABA1	Brooks Griffin	154	9.6	144	04-17	--	--	--	--
09S01W08BDA1	Adcock	151	15.0	136	04-19	25.0	126	126	-10.0
09S01W15CBB1	Baxter	152	10.0	142	04-19	28.0	124	124	-18.0
09S02W17CBC1	Beegle	153	23.0	130	04-19	23.0	130	130	0.0
09S03W35CCA1	Shea	155	--	--	--	40.0	115	115	--
09S04W02CDA1	Walt Bros.	163	33.0	130	04-19	36.0	127	127	-3.0
10S01W23DBC1	Simpson	146	7.0	139	04-19	23.0	123	123	-16.0
10S02W11ADD1	Singleton	148	15.0	133	04-19	21.0	127	127	-6.0
10S02W23DBC1	Baxter	153	25.0	128	04-19	16.0	137	137	9.0
10S04W08BDA1	Stimson	162	25.0	137	04-19	28.0	134	134	-3.0
11S02W31DAA1	Johnson	147	24.0	123	04-19	19.0	128	128	5.0
11S03W21ABB1	Tillar & Co.	139	16.0	123	04-19	--	--	--	--
13S02W05CDC1	Gilliam	146	35.0	111	04-19	30.0	116	116	5.0
13S02W05CDD1	Gilliam	146	39.0	107	04-19	39.0	107	107	0.0
13S02W32DBD1	Deltic	135	32.0	103	04-19	33.0	102	102	-1.0
13S03W11CAB1	McDonald	142	35.0	107	04-19	40.0	102	102	-5.0
DREW COUNTY									
11S04W31ABC1	Peterson	152	11.3	141	04-24	10.3	142	142	1.0
12S04W25ABC1	Powell	140	23.5	117	04-19	27.0	113	113	-3.5
12S04W25DBB1	Houge	147	22.0	125	04-24	25.0	122	122	-3.0
12S05W04AAB1	R.D. Jones	182	--	--	--	39.9	142	142	--
13S04W09ACD1	Tabor	145	13.4	132	04-24	14.4	131	131	-1.0
13S04W29CAB1	Ogles	135	7.0	128	04-24	8.4	127	127	-1.4
13S06W21DAA1	Reinhart	207	56.0	151	04-24	70.0	137	137	-14.0
14S04W03ADD1	Pamplin	149	18.0	131	04-24	22.0	127	127	-4.0
14S04W05CBA1	Henke	134	1.9	132	04-24	8.9	125	125	-7.0
14S04W08CAD1	Bates	130	-2.0	132	04-24	10.0	120	120	-12.0
14S04W22CAA1	Dennington	135	16.0	119	04-24	22.0	113	113	-6.0



Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface Feet	Date	Altitude of water level (feet)	Measurement of depth to water below land surface Feet	Date	Altitude of water level (feet)	
GREENE COUNTY									
16N02E12AAB1	Carl Phillips	260	32.1	05-08	228	34.8	10-11	225	-2.7
16N05E27DBB1	McLaughlin	285	16.0	05-22	269	20.8	09-25	264	-4.8
16N06E09AAC1	Williamson	255	55.5	05-22	200	--	--	--	--
16N06E21BBB1	Wells	250	21.0	05-22	229	26.8	09-25	223	-5.8
17N03E28CDB1	Dulaney	260	18.2	05-22	242	20.5	09-26	240	-2.3
17N03E28DCD1	Gillman	270	22.7	05-23	247	25.0	09-26	245	-2.3
17N03E29ABB1	Jumper	255	19.5	05-22	236	21.8	09-26	233	-2.3
17N06E15ABB1	Boggs	263	26.5	05-22	237	33.8	09-27	229	-7.3
17N06E22CBA1	Frankum	265	32.0	05-22	233	38.2	09-25	227	-6.2
17N07E03CCC1	Alexander	245	5.5	05-23	240	8.0	09-25	237	-2.5
17N07E290BB1	Thomas	244	2.7	05-22	241	8.5	09-25	236	-5.8
18N07E17BAB1	Lewis	260	4.0	05-23	256	11.8	09-27	248	-7.8
18N08E29CBA1	Hill	250	5.7	05-23	244	7.5	09-25	243	-1.8
19N04E30DBB1	Daughhettee	276	23.3	05-23	253	26.2	09-26	250	-2.9
19N05E34BDD1	Lange	282	23.5	05-23	259	27.2	09-26	255	-3.7
INDEPENDENCE COUNTY									
11N04W02ABB1	Jerry Roberson	237	8.6	06-10	228	23.4	09-30	214	-14.8
11N04W06ABB1	David Pankey	230	1.4	06-10	229	--	--	--	--
12N05W36AAA1	Don Kramer	235	13.1	06-10	222	--	--	--	--
14N03W12CCB1	Laverne Dickey	231	.5	06-10	231	18.5	09-30	213	-18.0
14N03W14CBB1	Jim Barnett	228	1.2	06-10	227	14.2	09-30	214	-13.0
JACKSON COUNTY									
09N01W15D	M.P. Murphee	222	42.1	04-17	180	47.0	10-03	175	-4.9
09N01W30B	Calvin Fields	210	31.4	04-17	179	34.9	10-03	175	-3.5
09N02W11C	Peter Guinn	221	10.0	04-30	211	15.0	10-08	206	-5.0
09N02W32B	B.J. Hardin	224	21.6	04-17	202	25.2	10-03	199	-3.6
09N02W32B2	B.J. Hardin	227	21.6	04-30	205	25.0	10-08	202	-3.4
10N01W02C	W.E. Jackson	230	48.0	04-30	182	50.0	10-08	180	-2.0
10N01W05	Charlie McCartney	227	34.8	04-17	192	37.2	10-03	190	-2.4

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)	Date	
JACKSON COUNTY--Continued									
10N01W10A	Johnson Farm	220	44.5	04-17	176	46.9	10-03	173	-2.4
10N01W14C	J. Winemiller	228	49.0	04-30	179	60.0	10-08	168	-11.0
10N01W27A	J. Kieffer	225	48.5	04-17	177	51.9	10-03	173	-3.4
10N03W11	Oscar Turner	214	1.9	04-17	212	9.4	10-03	205	-7.5
10N03W30C	Kenny Falwell	222	9.8	04-17	212	26.9	10-03	195	-17.1
11N01W25B	Davis Brothers	231	54.3	04-17	177	56.6	10-03	174	-2.3
11N02W09	Andy Doyle	233	22.6	04-16	210	26.5	10-01	207	-3.9
11N02W23D	J.D. Huey	226	19.3	04-17	207	20.9	10-01	205	-1.6
11N03W12D	Halgwood Brothers	227	26.0	04-30	201	20.0	10-08	207	6.0
11N03W18C	Rutledge Brothers	218	5.5	04-16	213	17.9	10-03	200	-12.4
12N01W11B	Joe Edwards	233	25.5	04-16	208	28.7	10-01	204	-3.2
12N01W14C	Bill Phillips	233	27.0	04-30	206	29.0	10-08	204	-2.0
12N01W30C2	Floyd Coleman	226	22.7	04-30	203	24.0	10-08	202	-1.3
12N01W30CA	Floyd Coleman	232	22.7	04-16	209	24.3	10-01	208	-1.6
12N01W36	W.R. Loftin	236	39.6	04-16	196	43.8	10-01	192	-4.2
13N01W23B	Jim Thomas	243	33.1	04-16	210	35.1	10-01	208	-2.0
13N02W10A	Dale Baughn	247	17.0	04-30	230	17.0	10-08	230	0.0
13N02W34C	James Young	240	13.0	04-30	227	15.0	10-08	225	-2.0
13N03W15	Taylor Estate	235	11.7	04-16	223	18.7	10-01	216	-7.0
13N03W36	S. Graham	235	10.5	04-16	225	14.1	10-01	221	-3.6
14N01W01C	Paul Bennett	248	31.9	04-16	216	33.9	10-01	214	-2.0
14N01W08A	Lynn Nicholson	253	24.3	04-16	229	26.0	10-01	227	-1.7
14N01W19	W.D. Hulett	245	22.5	04-16	223	24.4	10-01	221	-1.9
14N01W26C	Leo Saenger	247	32.3	04-16	215	33.1	10-01	214	-0.8
14N01W33C	Benny Templeton	247	28.0	04-16	219	29.6	10-01	217	-1.6
14N02W12	W.I. Rainwater	251	22.7	04-16	228	26.3	10-01	225	-3.6
14N02W22B	George Bradley	250	21.7	04-17	228	22.5	10-01	228	-0.8
JEFFERSON COUNTY									
03S07W36ACC1	Ned Brown	185	24.0	04-30	161	28.0	10-22	157	-4.0
03S08W01ABB1	C.H. Triplett	197	32.5	04-30	165	--	--	--	--
03S09W14BCD1	Tucker Estate	224	31.5	04-30	193	34.0	10-21	190	-2.5
03S09W27AAA1	Tucker Estate	222	38.0	04-30	184	39.0	10-21	183	-1.0
03S09W36ACC1	Payne Estate	215	27.0	04-30	188	30.0	10-21	185	-3.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface level	Date	Altitude of water level (feet)	Measurement of depth to water below land surface level	Date	Altitude of water level (feet)	
JEFFERSON COUNTY--Continued									
03S10W26DAD2	Bennett	215	10.0	04-30	205	18.0	10-21	197	-8.0
04S07W35DDB1	Mark Shelton	185	19.0	04-30	166	20.0	10-22	165	-1.0
04S08W33DBB1	Elms	212	29.0	04-30	183	26.0	10-21	186	3.0
04S09W01DAA2	J. Blair	213	25.5	04-30	188	31.0	10-21	182	-5.5
04S09W32DCB1	J. Blair	215	21.0	04-30	194	24.0	10-21	191	-3.0
05S07W35CDD2	Prudential	195	13.5	04-30	182	19.0	10-22	176	-5.5
07S07W18AAD1	C.H. Triplett	188	13.5	04-30	175	18.0	10-21	170	-4.5
LAWRENCE COUNTY									
15N01E11DAA1	Truman Goodson	255	33.2	05-08	222	33.2	10-11	222	0.0
15N01E23DAD1	J.B. Loren	250	32.6	05-08	217	31.8	10-11	218	0.8
15N01E32AAB1	Ervin Blanchard	255	43.0	05-08	212	42.2	10-11	213	0.8
15N02E10BBD1	D.B. White	247	18.7	05-08	228	25.2	10-11	222	-6.5
16N01E29BBB1	Stan Jones	261	33.9	05-08	227	36.7	10-11	224	-2.8
16N01E30DCC1	Sylvia Rainwater	260	36.5	05-08	224	39.0	10-11	221	-2.5
16N01E35AAA1	Melton Todd	256	32.4	05-08	224	36.7	10-11	219	-4.3
16N02E09AAD1	James F. Sloan	261	28.8	05-08	232	31.7	10-11	229	-2.9
16N02E19ACA1	Belk Farms	260	30.8	05-08	229	33.7	10-11	226	-2.9
16N02E34CBA1	Raymond Covey	255	30.1	05-08	225	41.0	10-11	214	-10.9
17N01E02BBB1	Tribo Farms, Inc.	260	7.3	05-08	253	10.1	10-11	250	-2.8
17N01E21CAC1	J.D. Beary	265	13.2	05-08	252	18.8	10-11	246	-5.6
17N01E27AAA1	W.A. Wilson Jr.	270	23.7	05-08	246	27.9	10-11	242	-4.2
17N02E04ADD1	Wilson Crisler	270	21.2	05-08	249	32.0	10-11	238	-10.8
17N02E19CDD1	Tom Hilburn	265	29.6	05-08	235	33.1	10-11	232	-3.5
17N02E21AAC1	Smith Painting Co.	268	31.6	05-08	236	33.8	10-11	234	-2.2
17N02E25CBD1	Delphine Connelly	265	25.8	05-08	239	28.0	10-11	237	-2.2
15N01W03BAB1	Lance Phillips	259	34.7	05-08	224	31.3	10-11	228	3.4
15N01W23BCD1	Joel Teel	255	31.8	05-08	223	35.3	10-11	220	-3.5
15N01W30AAA1	Laddie Allen	254	24.3	05-08	230	27.8	10-11	226	-3.5
16N01W30DDC1	Casey Phillips	255	17.7	05-08	237	22.6	10-11	232	-4.9
17N01W26BCB1	Bennett Hart	260	11.2	05-08	249	18.8	10-11	241	-7.6
17N01W36AAB1	Raymond Jones	257	7.0	05-08	250	9.0	10-11	248	-2.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Date	Altitude of water level (feet)	Measurement of depth to water below land surface	Date	Altitude of water level (feet)	
LEE COUNTY									
01N01E04AAB1	John Fricker	175	12.7	04-25	162	26.0	10-11	149	-13.3
01N01E09CCC1	V.W. Williams	175	12.7	04-25	162	29.3	10-11	146	-16.6
01N01E24CBA1	James Key	185	--	--	--	15.8	10-11	169	--
01N02E01DDD1	Bill Gerrard	205	11.6	04-29	193	28.0	10-18	177	-16.4
01N02E09BBA2	Alex Palmer	200	14.0	04-25	186	28.0	10-11	172	-14.0
01N02E12ABB1	Bill Gerrard	205	35.0	04-25	170	31.0	10-18	174	4.0
01N02E22CAA1	Jimmy Manley	200	15.6	04-25	184	22.7	10-11	177	-7.1
01N02E33CBB1	Eugene Hindlsey	185	5.2	04-25	180	16.0	10-11	169	-10.8
01N02E33CCB1	A.B. Thompson	185	4.7	04-25	180	15.1	10-11	170	-10.4
02N01E18CBD1	Steve Fowler	185	24.3	04-25	161	35.3	10-18	150	-11.0
02N01E21BAA1	John Dozier	189	19.2	04-29	170	25.9	10-24	163	-6.7
02N01E23ABA1	J.N. Bickerstaff	200	42.7	04-29	157	40.0	10-27	160	2.7
02N01W34CDA1	A.J. Harvey	186	36.8	04-25	149	--	--	--	--
02N01W34DDC1	A.J. Harvey	180	27.0	04-25	153	35.0	10-11	145	-8.0
02N02E36DDC1	Jane Cloyd	205	7.5	04-29	198	30.0	10-18	175	-22.5
02N03E29CAA1	Lowell Parten	215	--	--	--	41.5	10-11	174	--
02N03E33DCD1	Alex Palmer	205	25.0	04-25	180	35.0	10-11	170	-10.0
02N04E03ABD1	Lou Mann	185	19.5	04-29	166	23.8	10-17	161	-4.3
03N01E03CBC1	Derward Byrd	205	50.0	04-25	155	54.0	10-18	151	-4.0
03N01E17ADC1	Derward Byrd	200	39.4	04-25	161	59.7	10-18	140	-20.3
03N01E32BBC1	Harlan Wilson	200	47.4	04-25	153	52.2	10-18	148	-4.8
03N03E05CBC1	Buddy Whitehead	210	17.5	04-25	193	39.0	10-17	171	-21.5
03N03E11DCB1	Faye Bullard	225	35.5	04-25	190	51.0	10-17	174	-15.5
03N03E18DAB1	Trent Felton	175	17.0	04-25	158	25.0	10-18	150	-8.0
03N04E07CBB1	Mike Vaccaro	200	--	--	--	26.5	10-21	174	--
03N05E03ADB1	W.H. Daggett	197	18.5	04-26	179	19.8	10-17	177	-1.3
03N05E26ADC1	Ray Dawson	185	4.1	04-26	181	6.9	10-17	178	-2.8
LINCOLN COUNTY									
07306W03CCA1	Katie Wood	190	10.0	04-11	180	19.0	10-21	171	-9.0
07S07W36CBD1	Joe Newton	185	25.0	04-11	160	29.0	10-21	156	-4.0
08S04W06ACB1	Robert Adcock	174	6.0	04-11	168	13.0	10-21	161	-7.0
08S04W28CAB1	T.J. Cox	166	25.0	04-11	141	34.0	10-21	132	-9.0
08S05W12DBA1	R.L. Rogers	171	13.0	04-11	158	20.0	10-21	151	-7.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface level	Altitude of water level (feet)	Date	Measurement of depth to water below land surface level	Altitude of water level (feet)	Date	
LINCOLN COUNTY--Continued									
08S05W16DBC1	Joel Garner	174	20.0	154	04-11	--	--	--	--
08S05W21DCD1	Joel Garner	174	23.0	151	04-11	31.0	143	10-21	-8.0
08S05W29ABC1	Elmer West	176	32.0	144	04-11	32.0	144	10-21	0.0
08S05W32DCC1	Sue Halter	174	24.0	150	04-10	33.0	141	10-21	-9.0
09S04W06CBB1	Prudential Life	163	22.0	141	04-11	25.0	138	10-21	-3.0
09S05W34BBD1	A.V. Stimson	171	23.0	148	04-10	25.0	146	12-02	-2.0
09S06W03BDC1	Jack Jackson	175	29.0	146	04-10	--	--	--	--
09S06W04BDD1	Tom Cogbill	180	28.0	152	04-10	30.0	150	10-21	-2.0
09S06W14ACA1	E.F. Freeman	175	20.0	155	04-10	27.0	148	10-21	-7.0
09S06W23BCD1	E.F. Freeman	175	21.0	154	04-10	25.0	150	10-21	-4.0
09S06W24DAA1	G.D. Smith	177	25.0	152	04-10	25.0	152	10-21	0.0
LONOKE COUNTY									
01N07W07ABB2	Russell Schenebeck	227	103.0	124	04-15	108.0	119	10-28	-5.0
01N08W03DDA1	Winrock Farms	230	109.6	120	04-15	114.0	116	10-28	-4.4
01N09W25BAA1	Aeries, Inc.	228	74.0	154	04-21	74.8	153	10-28	-0.8
01N10W12ABB1	Carl Stecks	240	34.1	206	04-21	41.6	198	10-28	-7.5
01N10W15CDA1	Dortch	241	17.6	223	04-15	18.5	223	10-28	-0.9
02N07W07DAA1	R.M. Elliot	232	106.0	126	04-15	113.0	119	10-28	-7.0
02N08W23DDB1	Jim Kittler	229	112.3	117	04-15	118.0	111	10-28	-5.7
02N09W18ABC1	Finley Farms	261	75.5	186	04-15	76.0	185	10-29	-0.5
02N10W14BBD1	Marcus Rye	238	36.4	202	04-21	38.0	200	10-28	-1.6
02N10W15ACC1	Townsend	242	33.5	209	04-21	--	--	--	--
02N10W36BDC1	Prudential	243	38.4	205	04-21	41.0	202	10-29	-2.6
03N07W32CCD2	Kenneth Gosney	240	102.5	138	04-15	103.5	137	10-29	-1.0
03N10W24DBA1	McCrory	237	45.5	192	04-15	47.5	190	10-29	-2.0
01S06W16CCC1	Belcher	207	76.4	131	04-15	78.0	129	10-28	-1.6
01S06W32BBB1	Bowlan	201	67.6	133	04-15	71.1	130	10-28	-3.5
01S09W36CCC1	Marvin Burgess	220	48.3	172	04-15	52.0	168	10-28	-3.7
01S10W15BBA1	Travelers	238	20.3	218	04-15	30.0	208	10-28	-9.7
02S08W22CCC1	Ida Walls	216	--	--	--	53.1	163	10-28	--
02S09W02BBC1	Louise Tebbets	224	52.0	172	04-15	54.0	170	10-28	-2.0
02S09W22AAA1	Capps	228	56.6	171	04-15	56.6	171	10-28	0.0
02S09W30DCC1	Sunderman	228	36.0	192	04-15	36.5	192	10-28	-0.5

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Feet	Date	Measurement of depth to water below land surface level (feet)	Feet	Date	Measurement of depth to water below land surface level (feet)	
MISSISSIPPI COUNTY									
110N08E21ABB1	Bob Pugh	224	19.0	05-06	205	19.8	09-18	204	-0.8
110N08E21BAD1	Bob Pugh	224	18.2	05-06	206	19.2	09-18	205	-1.0
12N08E27CAB1	Bond Bros.	225	8.7	05-06	216	15.2	09-18	210	-6.5
12N09E12ABB1	Harold Senter	234	7.0	05-06	227	17.8	09-16	216	-10.8
12N10E04CAA1	R.B. Holthouse	235	7.8	05-06	227	12.5	09-16	223	-4.7
12N10E21DBA1	Charles Standefer	236	8.4	05-06	228	13.8	09-18	222	-5.4
12N10E33CAA1	Lowrance Bros.	230	9.1	05-06	221	14.7	09-16	215	-5.6
13N08E24ABB1	Ira G. Ashley	230	5.8	05-06	224	11.6	09-17	218	-5.8
14N08E20DAA1	Prudential Insurance	225	2.0	05-06	223	--	--	--	--
14N08E26CCD1	E.L. Parks	230	2.0	05-06	228	6.3	09-17	224	-4.3
14N11E19ACA1	Ann Goetch	240	3.1	05-06	237	9.8	09-17	230	-6.7
14N11E33DBB1	Mike McCarty	240	8.7	05-07	231	15.0	09-17	225	-6.3
15N10E21ABC1	Joe Dillidine	240	8.1	05-06	232	12.0	09-17	228	-3.9
16N10E28BBD1	R.D. Hughes	240	8.2	05-06	232	12.1	09-17	228	-3.9

MONROE COUNTY

01N01W03CDB1	Edgar Fowler	185	34.3	04-17	151	38.2	10-23	147	-3.9
01N02W14DDD1	Ferrill Martin	180	20.0	04-16	160	22.2	10-23	158	-2.2
01N02W19BCB1	Don Pettigrew	180	10.5	04-17	170	17.4	10-21	163	-6.9
01N03W23BAD1	Corrine Nelson	170	6.0	04-15	164	11.8	10-23	158	-5.8
02N01W19ADD1	A.J. Brizzolara	190	39.8	04-17	150	42.8	10-23	147	-3.0
02N03W35CDA1	Bill Davis	185	27.5	04-17	158	29.8	10-23	155	-2.3
04N02W05AAA1	D.R. Parsley	185	10.5	04-17	175	14.0	10-23	171	-3.5
01S01W16DB	Allen Walls	175	12.6	04-15	162	15.1	10-21	160	-2.5
01S02W20BBB1	J.T. Richardson	170	4.7	04-16	165	10.6	10-21	159	-5.9
01S03W20CCD1	Don Davis	210	67.5	04-15	143	71.3	10-23	139	-3.8
02S01W01BCD1	Larry Coleman	175	12.2	04-17	163	14.6	10-21	160	-2.4
02S01W11DBB1	Allen Walls	170	11.0	04-17	159	14.5	10-25	156	-3.5

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface level	Altitude of water level (feet)	Date	Measurement of depth to water below land surface level	Altitude of water level (feet)		
PHILLIPS COUNTY									
01S01E20DDB1	Dennis Storey	185	7.0	178	04-07	15.0	170	-8.0	
01S02E09BDC	Ronald Storey	185	5.0	180	04-17	12.5	173	-7.5	
01S02E32BCC1	Joe Kemmer	200	20.5	180	04-17	34.5	166	-14.0	
01S03E02ADD1	Nix Bros.	200	7.5	193	04-17	17.5	183	-10.0	
01S03E10ABB1	Henry Heidelberg	205	7.5	198	04-17	--	--	--	
01S03E20BDD1	W.A. Smith	210	25.0	185	04-17	34.0	176	-9.0	
01S04E05DCD1	J.W. Webb	230	40.0	190	04-17	49.0	181	-9.0	
02S02E29DDD1	J.A. Hill	180	17.0	163	04-17	28.0	152	-11.0	
02S02E33ACC1	James Yancey	177	18.5	159	04-17	27.0	150	-8.5	
02S03E05BBC1	W.A. Smith	194	17.5	177	04-17	--	--	--	
02S03E34BCD1	Buck Ward	165	15.0	150	04-17	18.0	147	-3.0	
02S04E27ACC1	W.A. Bailey	175	6.8	168	04-17	13.0	162	-6.2	
02S04E32BCA1	Pat Burke	175	13.0	162	04-17	--	--	--	
03S04E02CAA1	Buron Griffin	176	9.7	166	04-19	15.4	161	-5.7	
04S01E01AAD1	Steve Cannon	156	11.0	145	04-17	13.6	142	-2.6	
04S01E14CDD1	Don Warren	155	7.5	148	04-17	13.0	142	-5.5	
04S02E01DBB1	Steve Cannon	163	11.0	152	04-17	30.0	133	-19.0	
05S01E26ADC1	Jim Bush	160	8.5	152	04-17	18.0	142	-9.5	
POINSETT COUNTY									
10N01E02AA	Paul Wolf	235	76.0	159	04-01	81.5	154	-5.5	
10N01E10DAB1	Charlie Dale	236	81.0	155	04-01	83.0	153	-2.0	
10N01E32CBB1	Anderson Weld	222	40.0	182	04-01	40.0	182	0.0	
10N01E33ABB1	Eddie Wright	220	60.0	160	04-01	62.0	158	-2.0	
10N01E34ADA1	Eddie Wright	230	81.0	149	04-01	83.0	147	-2.0	
10N02E02CB	Jack Knapple	235	74.0	161	04-01	75.0	160	-1.0	
10N02E13BCC1	Danny Clements	237	90.0	147	04-01	90.0	147	0.0	
10N02E20BAB1	Beal	237	80.5	157	04-01	85.5	152	-5.0	
10N04E26CBB1	Sonny Bonds	220	17.0	203	03-04	20.0	200	-3.0	
11N01E21DDC1	Fullbright	232	63.0	169	04-01	66.0	166	-3.0	
11N01E34CA	Paul Wolf	235	71.5	164	04-01	73.5	162	-2.0	
11N02E01DD	Rice Lee Vanausdall	245	101.0	144	04-01	110.0	135	-9.0	
11N02E10CB	Joe Guzlewicz	245	100.0	145	04-01	101.0	144	-1.0	
11N02E30BBB1	Sonny Wolf	239	84.5	155	04-01	92.5	147	-8.0	
11N02E34CB	Claude Heeb	240	95.0	145	04-01	95.0	145	0.0	

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)		
POINSETT COUNTY--Continued									
11N03E11DDD1	Larry Bryan	262	115.0	147	04-02	115.0	147	0.0	
11N03E13CAA1	Lafarel Wess	270	112.3	158	03-04	113.8	156	-1.5	
11N04E23CBC1	Mrs. Earl Whitaker	215	20.5	195	03-04	22.5	193	-2.0	
11N04E36ABA1	Hyneman	211	12.0	199	03-04	16.0	195	-4.0	
12N01E22DAB1	Vernon Walker	235	60.7	174	04-01	62.0	173	-1.3	
12N02E10CB	Rex Downing	245	103.0	142	04-01	105.0	140	-2.0	
12N02E25DCC1	Wimpy Farms	245	99.5	146	03-04	101.5	144	-2.0	
12N02E34CC	Elmer Cooper	245	94.0	151	04-01	95.0	150	-1.0	
12N03E01CCA1	Skip Covington	250	82.2	168	03-04	81.7	168	0.5	
12N03E04DAD1	Hall	248	88.5	160	03-04	89.0	159	-0.5	
12N04E08DA	Doug Wittingham	250	76.0	174	03-04	76.0	174	0.0	
12N04E15AAA1	B.L. Evans	225	21.0	204	03-04	25.5	200	-4.5	
12N05E16AAA1	L.B. Terry	221	7.5	214	03-04	11.0	210	-3.5	
12N06E31ADD1	Charles Woodruff	218	7.0	211	03-04	10.5	208	-3.5	
12N07E10CBB1	Weems	220	11.5	209	03-04	14.5	206	-3.0	

## PRAIRIE COUNTY

01N06W28	Uhren Farm	221	109.9	111	03-27	112.0	109	-2.1
01N06W34	Eddie Lisko	223	105.5	118	03-27	106.6	116	-1.1
02N06W08	L.D. Branch	235	116.0	119	03-27	--	--	--
03N05W05	Jerry DeVorak	212	70.4	142	04-05	71.7	140	-1.3
03N06W17	E.H. Bednar	216	70.0	146	04-05	--	--	--
04N05W13	Delta Trust	210	65.3	145	03-27	66.2	144	-0.9
04N05W14	Buck Uland	205	31.2	174	04-05	35.8	169	-4.6
04N05W18	Noble Dicks	210	68.2	142	04-05	--	--	--
04N05W27	Skarda Farms	205	53.0	152	04-05	53.9	151	-0.9
04N05W30	William Bell	213	74.5	139	04-05	--	--	--
04N06W08	Reuben Kennedy	202	54.0	148	03-27	55.0	147	-1.0
04N06W09	M.V. Owens	204	54.0	150	03-27	55.2	149	-1.2
04N06W23	George Ford	215	74.5	141	04-05	--	--	--
04N07W33	Mickey Graham	254	91.2	163	04-05	91.8	162	-0.6
05N05W23	V.O. Calhoun	200	34.1	166	04-05	34.7	165	-0.6
05N05W24	M. Calhoun	187	9.0	178	04-05	15.7	171	-6.7
05N05W25	M. Calhoun	185	11.2	174	04-05	19.9	165	-8.7
05N05W28	F. Calhoun	192	27.0	165	04-05	29.2	163	-2.2
01S04W28	Ray Vester	206	95.0	111	03-27	95.9	110	-0.9



Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)	Date	
RANDOLPH COUNTY									
18N01E13BAB1	Lamb Bros.	266	12.3	254	05-24	12.3	254	10-29	0.0
18N01E25BAB1	Mrs. D.W. Fender	265	9.6	255	04-24	--	--	--	--
18N01E28BAC1	Sherman Jones	259	10.1	249	04-24	14.9	244	10-29	-4.8
18N01E29BA1	B.R. James	255	16.7	238	05-14	14.4	241	10-28	2.3
18N01E34CCD1	J.D. Blankenship	262	12.7	249	05-14	15.6	246	10-29	-2.9
18N02E02CBA1	Terry Robinette	277	20.8	256	04-24	25.4	252	10-29	-4.6
18N02E06BDB1	B.R. James	265	--	--	--	12.7	252	10-28	--
18N02E14BCB1	S. Morgan	274	--	--	--	23.0	251	10-29	--
18N02E17CBB1	Milton Lemmons	265	8.2	257	04-24	11.6	253	10-29	-3.4
18N02E20BAA1	B.R. James	275	23.6	251	05-14	27.3	248	10-28	-3.7
18N02E21CAA1	Bobby Crisler	273	23.8	249	04-24	27.2	246	10-29	-3.4
18N02E25CAB1	A. Ford Estate	270	22.6	247	05-14	27.1	243	10-29	-4.5
18N02E26CBA1	B. R. James	273	36.6	236	04-24	38.2	235	10-28	-1.6
18N02E27CAB1	B. French	271	27.0	244	04-24	10.6	260	10-28	16.4
18N02E32ABB1	Bobby Crisler	271	24.1	247	05-14	28.3	243	10-29	-4.2
19N02E04ADD1	Carlton Thraesch	267	4.3	263	05-14	19.3	248	10-29	-15.0
19N02E09ABA1	Bernard Baltz	266	3.0	263	05-14	6.5	260	10-29	-3.5
20N02E01DAC1	Dan Joe Wren	281	6.8	274	05-14	8.6	272	10-28	-1.8
20N02E14ADA1	Bill Johnston	274	6.1	268	05-14	13.2	261	10-28	-7.1
20N02E28BCD1	Dan Joe Wren	269	11.9	257	05-14	16.9	252	10-29	-5.0
20N03E06DAC1	Dan Joe Wren	280	5.1	275	05-14	13.6	266	10-29	-8.5
20N03E07AAD1	Dan Joe Wren	281	7.0	274	05-14	19.9	261	10-28	-12.9
20N03E29CBC1	Lamb Bros.	280	19.9	260	05-14	23.7	256	10-28	-3.8
20N03E33CAC1	Lamb Bros.	287	16.8	270	05-14	17.8	269	10-29	-1.0
20N03E33CCA1	Lamb Bros.	287	15.9	271	05-14	17.5	270	10-29	-1.6
ST FRANCIS COUNTY									
04N01E05AAC1	O.P. Hammons	205	56.0	149	05-23	56.0	149	10-09	0.0
04N01E17DCB1	H. Watkin	210	55.0	155	05-23	--	--	--	--
04N01W20BBB1	McKinney Dixon	200	48.0	152	05-23	48.0	152	10-09	0.0
04N02E20ACC1	Earl Gore	210	50.0	160	05-23	54.0	156	10-08	-4.0
04N04E15ABA1	Lakeside Farms	200	33.0	167	04-17	32.0	168	10-08	1.0
05N01E04BBA1	C.E. West	210	60.0	150	05-23	61.5	149	10-08	-1.5
05N01E06DAD1	Freda Hardin	211	58.0	153	05-23	59.0	152	10-08	-1.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)	Date	
ST. FRANCIS COUNTY--Continued									
05N05E21CBA1	Sid Fogg	195	--	--	--	29.0	10-08	166	--
05N06E05BBB1	W.C. Casey	195	24.0	04-17	171	24.0	10-08	171	0.0
06N01E23BDC1	Pine Tree Exp. Stati	210	54.0	05-23	156	59.0	10-08	151	-5.0
06N02E16CCB1	John Drury	210	50.0	05-23	160	50.0	10-08	160	0.0
06N02E18BAA1	Calvin Frazier	210	50.0	05-23	160	52.0	10-08	158	-2.0
06N04E36CDC1	David Blaylock	200	29.0	04-17	171	30.0	10-08	170	-1.0
WHITE COUNTY									
06N04W07BBC1	V. Johnston	205	16.7	04-10	188	16.5	10-09	189	0.2
06N06W04BAB1	E. Vaughn	221	41.6	04-10	179	41.2	10-09	180	0.4
06N06W13BAD1	B. Duch	213	40.9	04-10	172	41.4	10-09	172	-0.5
06N06W18BCA1	C. Powell	210	25.2	04-10	185	25.6	10-09	184	-0.4
WOODRUFF COUNTY									
05N01W03ACA1	Ashburn	215	--	--	--	52.6	10-08	162	--
05N01W13DDC1	Melvin	210	--	--	--	64.5	10-03	146	--
05N01W31BCB1	Wilks	210	--	--	--	53.7	10-03	156	--
05N02W13ABD1	Kennedy	195	--	--	--	31.8	10-08	163	--
05N03W25DDB1	McMullan	190	--	--	--	11.3	10-03	179	--
05N03W31CBA1	Gardner	178	--	--	--	6.8	10-02	171	--
06N02W19AAA1	Daniels	225	--	--	--	47.2	10-03	178	--
06N04W22BDA1	Rodgers	186	--	--	--	9.8	10-02	176	--
07N01W04DBB1	Childress	225	--	--	--	52.0	10-07	173	--
07N02W16DBB1	Burkett	206	--	--	--	20.1	10-07	186	--
07N03W05ACA1	Bowen	213	--	--	--	20.2	10-08	193	--
07N03W06DBB1	Sloan Valve	212	--	--	--	17.7	10-07	194	--
07N03W31BBA1	Gregory	200	--	--	--	12.7	10-02	187	--
08N01W06CCD1	Myers	220	--	--	--	36.3	10-02	184	--
08N01W10AAA1	Young	211	--	--	--	38.2	10-02	173	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1991 and fall 1991--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1991			Fall 1991			Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Date	Measurement of depth to water below land surface	Altitude of water level (feet)	Date	
WOODRUFF COUNTY--Continued									
08N02W15ACA1	Jelks	209	--	--	--	17.7	10-07	191	--
08N02W27DDC1	Swanson	213	--	--	--	21.6	10-08	191	--
09N03N32ACA1	Fitzhugh	217	--	--	--	14.4	10-07	203	--
09N03W21DBD1	Dale	220	--	--	--	14.5	10-07	206	--
09N03W24DBC1	Rouse	212	--	--	--	8.1	10-07	204	--