

GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER
IN EASTERN ARKANSAS, 1990

By Paul W. Westerfield and Sharon T. Touschner

U.S. GEOLOGICAL SURVEY

Open-File Report 91-248



Prepared in cooperation with the
ARKANSAS SOIL AND WATER CONSERVATION COMMISSION,
the U.S. SOIL CONSERVATION SERVICE, and
LOCAL CONSERVATION DISTRICTS

Little Rock, Arkansas

1991

U.S. DEPARTMENT OF THE INTERIOR

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CONTENTS

	Page
Abstract.....	1
Introduction.....	2
Description of headings.....	4
Well-numbering system.....	5
Selected references.....	7

FIGURES

1. Map showing location of study area.....	3
2. Diagram showing well-numbering system.....	6

TABLE

Table 1. Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990.....	9
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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 (NGVD 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 480 wells that tap the alluvial aquifer in the Quaternary deposits of the Mississippi Alluvial Plain. The measurements were made by district Soil Conservation Service personnel during 1990.

The shallowest spring water levels occurred in Ashley, Clay, Greene, Independence, Mississippi, Phillips, and Randolph Counties where water levels averaged less than 20 feet below the land surface. The deepest water levels occurred in Arkansas, Lonoke, Poinsett, and Prairie Counties where water levels of more than 100 feet were measured. Water levels in the fall averaged about 3.9 feet lower than during the spring.

INTRODUCTION

This report contains records of water-level measurements made in 480 wells that tap 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 district 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 file system.

The water levels in table 1 reflect the spring and fall conditions during 1990. The shallowest spring water levels occurred in Ashley, Clay, Greene, Independence, Mississippi, Phillips, and Randolph Counties where water levels averaged less than 20 feet below the land surface. The deepest water levels occurred in Arkansas, 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 63.3 to 94.4 feet below land surface. Water levels in the fall averaged about 3.9 feet lower than during the spring.

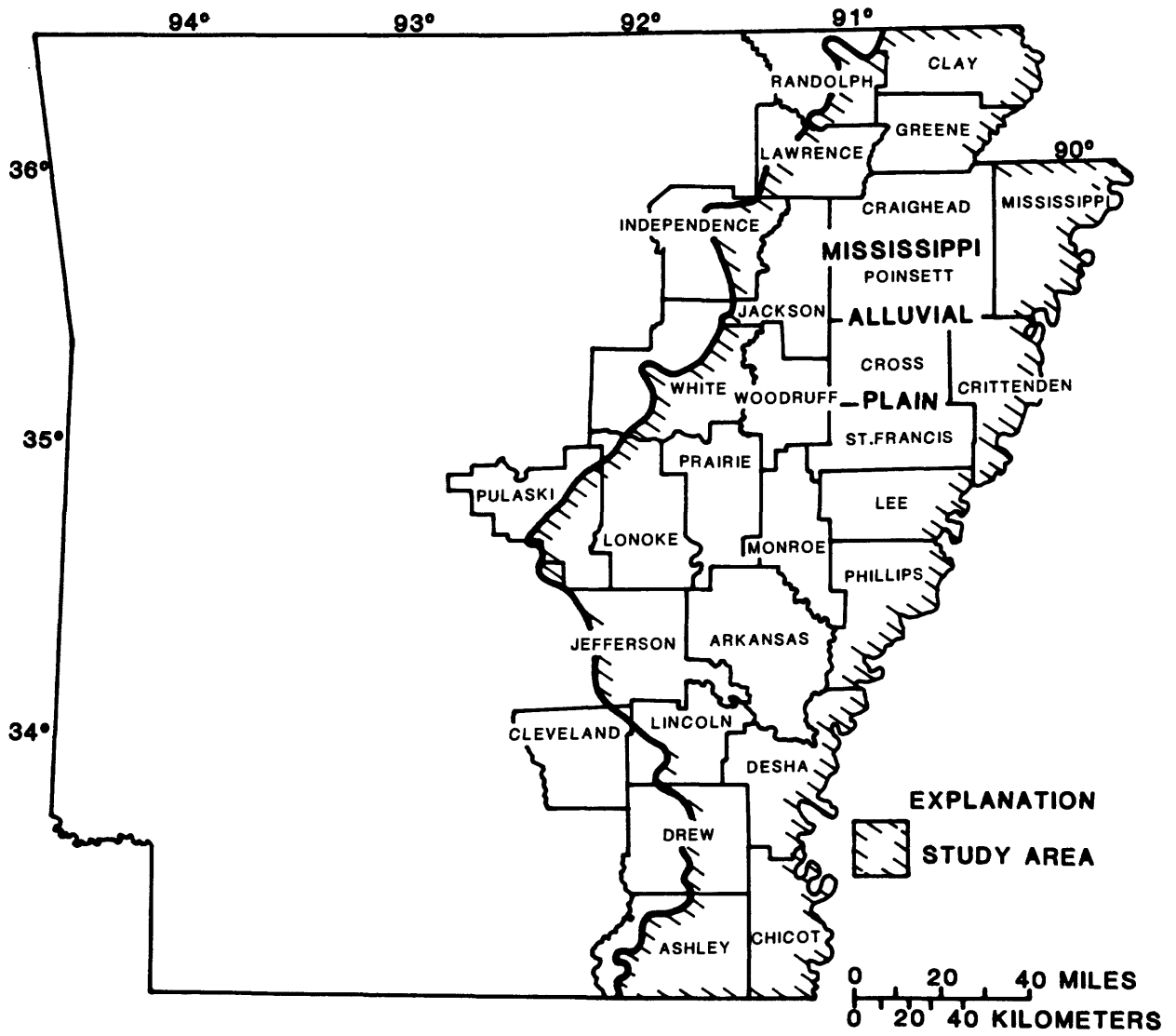


Figure 1.--Location of study area.

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.

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 gauge 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 1990 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.

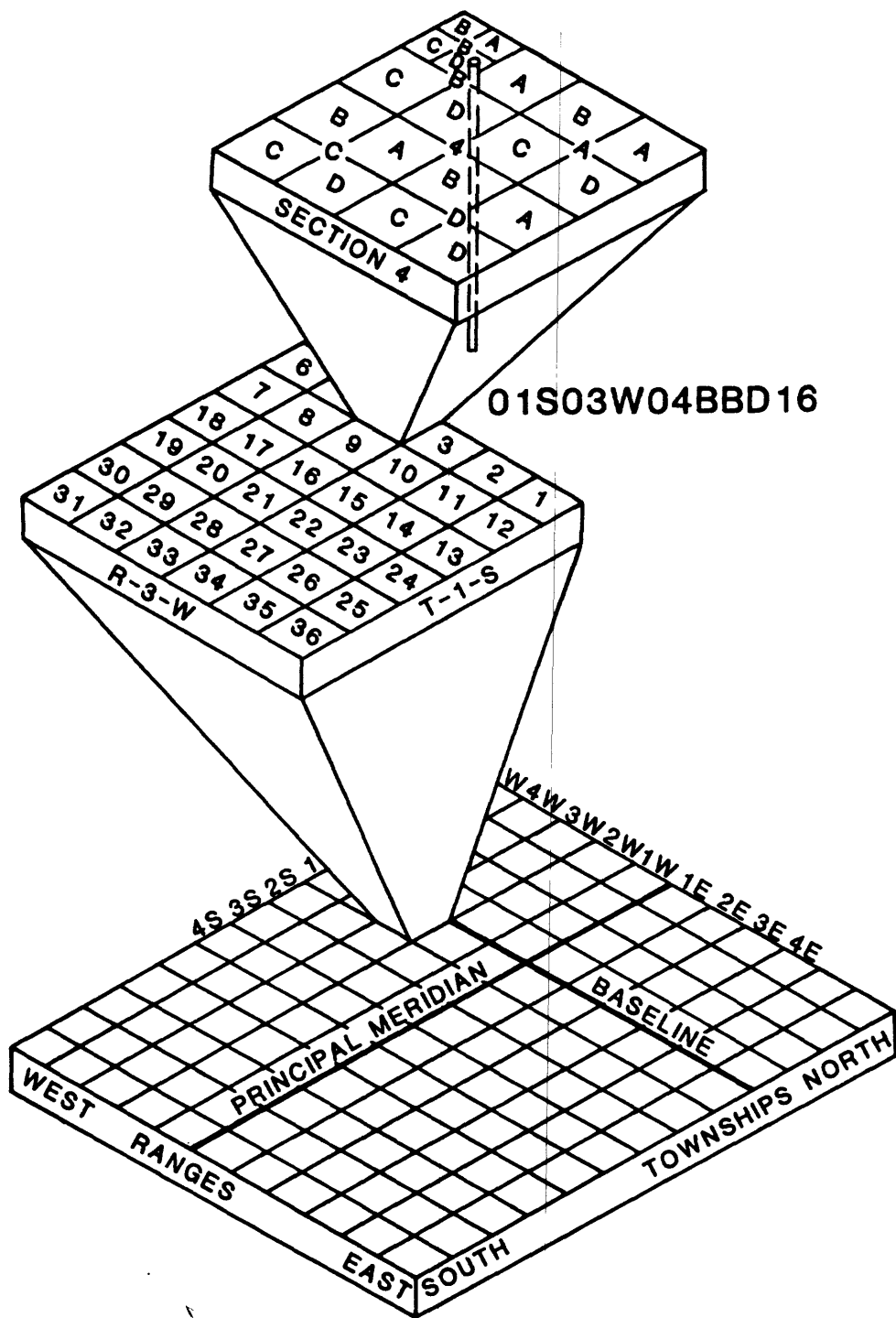


Figure 2.--Well-numbering system.

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Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
ARKANSAS COUNTY								
04S04W14CCC1	Glen Stone	202	108.0	05-16	94	--	--	--
05S03W16ABB1	Allen Bros.	196	106.0	05-16	90	--	--	--
05S04W04BAA1	Marion Hartz	186	91.0	05-16	95	--	--	--
05S04W14AAD1	A.C. Smith	186	97.0	05-16	89	--	--	--
05S04W34BAC1	Mark Berry	191	70.0	05-16	121	--	--	--
ASHLEY COUNTY								
16S04W21AAC1	Craig Shackelford	130	19.1	05-01	111	34.3	10-18	96
17S05W01AAD1	Joel Newcomb	122	12.3	05-01	110	16.1	10-18	106
18S04W23DDD1	Henry Morschheimer	103	12.0	05-01	91	22.5	10-16	81
18S05W11CCD1	Billy Scroggins	118	14.8	05-01	103	21.3	10-16	97
19S04W14BBB1	Ronald Miller	107	14.2	05-01	93	26.3	10-16	81
19S05W08AC1	Steven Harvey	111	10.7	05-01	100	19.2	10-16	92
19S05W16ABB1	John Currie, Jr.	116	18.2	05-01	98	21.9	10-16	94
19S05W22DCD1	Gerard Mountjoy	107	15.1	05-01	92	--	--	--
CHICOT COUNTY								
13S03W27AAA1	Bobby Braswell	138	31.0	05-11	107	31.0	10-17	107
14S02W09BD	J. Golden	135	26.0	05-11	109	29.0	10-17	106
14S02W18BBB1	B.F.W.	130	26.0	05-11	104	20.0	10-17	110
15S01W31ADD1	Ralph Baskett	120	19.0	05-11	101	20.0	10-18	100
15S02W20DDC1	Bruce Leggitt	125	24.0	05-11	101	26.0	10-18	99
15S03W13ACC1	Bill Keller	125	23.0	05-11	102	25.0	10-18	100
16S01W12DDB1	Joe Gates	110	21.0	05-11	89	23.0	10-17	87
16S03W11ABA1	Lewis Howell	115	25.0	05-11	90	25.0	10-18	90
17S03W18CBC1	Gus Pugh	115	28.0	05-11	87	30.0	10-17	85
17S03W28ACC1	R.H. Tuggle	105	22.0	05-11	83	23.0	10-17	82
18S01W33BDA1	Alvin Meyer, Jr.	115	16.0	05-11	99	19.0	10-18	96
19S02W28DAC1	Major Winters	125	39.0	05-11	86	40.0	10-18	85

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990--Continued

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
CLAY COUNTY								
19N04E11DAA1	Joe Dodd	280	13.5	05-15	267	17.5	10-26	263 - 4.0
19N06E18DBC1	Leroy Cruce	297	22.2	05-15	275	25.0	10-26	272 - 2.8
19N07E25BCB1	Lynn Wimberley	268	11.0	05-15	257	18.8	10-25	249 - 7.8
19N08E08DCA1	Ropac	263	4.0	05-15	259	7.0	10-25	256 - 3.0
19N09E19CDC1	Frank Thrasher	265	3.0	05-15	262	7.5	10-25	258 - 4.5
20N04E03AAC1	Quinn Brown	290	13.0	05-15	277	16.7	10-25	273 - 3.7
20N05E15CAA1	Odell Richardson	291	17.3	05-15	274	--	--	-- --
20N05E22CAD1	Wallace Lewallen	290	18.5	05-15	272	22.0	10-26	268 - 3.5
20N05E22DBC1	Wallace Lewallen	290	--	--	--	22.0	10-26	268 --
20N06E09BBA1	Leon Cates	290	10.1	05-15	280	16.0	10-25	274 - 5.9
20N06E28CDD1	Harold Bauschlicher	290	15.9	05-15	274	18.5	10-26	272 - 2.6
20N08E22BDA1	Charles Hollis	279	6.5	05-15	273	11.0	10-25	268 - 4.5
20N09E09ABC1	Jess Hill	279	4.0	05-15	275	13.0	10-25	266 - 9.0
21N03E15CBC1	Joe Lewis	292	9.1	05-15	283	12.5	10-25	280 - 3.4
21N03E36CDC1	O.E. Davis	290	13.7	05-15	276	17.5	10-25	272 - 3.8
21N04E09DAC1	Buel Turner	291	6.5	05-15	285	12.1	10-25	279 - 5.6
21N06E09BBB1	John Hollifield	292	3.1	05-15	289	10.8	10-25	281 - 7.7
21N07E01DCD1	David Lawrence	303	4.7	05-15	298	25.4	10-25	278 -20.7
21N07E19BDA1	Junior Allman	295	10.1	05-15	285	20.0	10-25	275 - 9.9
21N08E03CCD1	Ricky Jones	310	17.0	05-15	293	27.1	10-25	283 -10.1
21N08E03CDB1	Charles Foster	308	7.5	05-15	301	22.7	10-25	285 -15.2

CRAIGHEAD COUNTY

13N01E03AAA1	Joy Ledbetter	240	39.7	04-04	200	--	--	-- --
13N01E03AAA2	Joy Ledbetter	240	39.5	04-04	201	42.2	11-13	198 - 2.7
13N01E18D	Jimmy Denton	234	31.0	04-04	203	33.6	10-16	200 - 2.6
13N01E21CA	Ledbetter/Gossage	240	54.0	04-04	186	58.0	11-13	182 - 4.0
13N02E02AAB1	Mrs. Chas. Bishop	251	70.4	03-27	181	72.9	11-13	178 - 2.5
13N02E03AAA1	Freeze/Waddill	250	69.5	04-04	181	73.4	11-13	177 - 3.9
13N03E23CDA1	Earl Hill	249	74.5	03-27	175	76.2	10-30	173 - 1.7
13N03E28CDA1	H. Clark/Adams	250	85.1	03-27	165	88.4	10-30	162 - 3.3
13N04E15DCC1	W.R. Carter	230	19.9	03-27	210	20.7	10-30	- 0.8

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990--Continued

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
CRAIGHEAD COUNTY--Continued								
13N04E26BCC1	R. Thurman	225	21.2	03-27	204	22.5	10-30	- 1.3
13N05E06DCC1	Mildred Morrison	229	16.5	03-27	213	17.3	10-30	- 0.8
13N06E03ACB1	Noel Eggers	223	2.2	04-02	221	6.9	11-01	- 4.7
13N06E21CBD1	Ed Ball	222	3.9	04-02	218	7.0	11-01	- 3.1
13N07E22DBA1	Herbert Wood	220	4.2	04-04	216	8.5	11-02	- 4.3
13N07E35ADD1	H. Adams, Jr.	221	8.6	04-04	212	11.9	11-02	- 3.3
14N01E03ACB1	Wiggins	249	39.0	04-04	210	41.0	11-13	- 2.0
14N01E10BAB1	Wayne Wiggins	246	35.6	04-04	210	37.9	11-13	- 2.3
14N01E31DAB1	Raymond Crider	251	43.0	04-04	208	46.9	11-13	- 3.9
14N02E15DDA1	Donald Williams	255	58.8	03-27	196	61.7	11-06	- 2.9
14N02E16BCD1	Larry Burns	250	49.9	03-27	200	52.4	11-13	- 2.5
14N02E22AAD1	Williams	255	58.7	03-27	196	61.6	11-06	- 2.9
14N05E29BAB1	Hellsboro Plaza, Inc.	236	16.3	04-02	220	18.8	10-30	- 2.5
14N07E07BBC1	B. McFarlin	230	3.8	04-04	226	7.0	11-02	- 3.2
15N02E01CAB1	Cleo Watkins Jr.	265	20.7	03-27	244	22.7	11-06	- 2.0
15N02E12ABC1	S.W. Knight	250	19.7	03-27	230	21.3	11-06	- 1.6
15N05E15DDB1	Randolph Steele	253	19.5	04-04	234	25.8	11-01	- 6.3
15N05E32ABB1	Ray Dooley	252	14.8	04-04	237	23.3	11-01	- 8.5
15N06E04ABB1	Poley Schug	239	4.4	04-04	235	12.0	11-01	- 7.6
15N07E10DA	Maurice Keich, Trust	235	7.1	04-04	228	10.7	11-02	- 3.6
15N07E21DAB1	Urell Dudley	236	5.9	04-04	230	11.5	11-02	- 5.6

CRITTENDEN COUNTY

05N07E08DDA1	Billy West	206	12.8	05-09	193	13.2	11-14	- 0.4
05N07E34BDB1	Carlson	205	10.1	05-09	195	18.0	11-14	- 7.9
06N07E14BAAL	C.L. Eubanks	211	14.8	05-14	196	14.8	11-14	.0
07N06E08DAD1	Billy Rogers	210	35.8	05-09	174	26.0	11-14	9.8
07N08E17BBC1	L. McCuiston	212	11.0	05-09	201	10.8	11-14	.2
08N06E01DCC1	Sam Hatley	215	31.6	05-08	183	26.0	11-14	5.6
08N06E06DDA1	George Watson	214	25.0	05-09	189	28.0	11-14	- 3.0
08N07E32DAD1	Joe Marotti	215	22.4	05-08	193	22.0	11-14	.4
09N07E02CCA1	Ed Young	225	24.1	05-08	201	--	--	--
09N08E04CCB1	Joe Boone	216	--	--	--	18.6	11-14	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990--Continued

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
06N02E10CDA1	V. A. Pervin	200	52.0	05-13	148	--	--	--
06N02E12AAA1	Hoyt Neill	235	66.0	05-14	169	--	--	--
06N04E01BBB1	Lucy Billingsley	205	30.8	05-14	174	--	--	--
06N05E02AAA1	M & W Farms	205	29.7	05-14	175	--	--	--
07N01E05DCB1	W.E. Plyler	215	56.5	05-14	159	--	--	--
07N01E06CAA1	Sonny Cox	220	56.0	05-13	164	--	--	--
07N01E33BBA1	Martin Ridley	215	61.2	05-14	154	--	--	--
07N02E04DCD1	Randy Boeckmann	225	52.5	05-13	173	--	--	--
07N02E10ABB1	E.R. Rolfe	225	68.7	05-14	156	--	--	--
07N02E12BBC1	David Holloman	225	64.7	05-13	160	--	--	--
07N02E15DAA1	David Tyer	218	58.4	05-13	160	--	--	--
07N02E29DDC1	Martha Ellis Est.	220	57.4	05-14	163	--	--	--
07N03E05AAD1	Gloria Borell	255	95.0	05-14	160	--	--	--
07N04E03BDA1	Lulyne Hickey	205	21.0	05-14	184	--	--	--
07N04E04DBB1	Glen Eaton	201	22.0	05-13	179	--	--	--
07N04E07AAA1	Timmy Wilkins	215	33.7	05-14	181	--	--	--
07N05E02AAB1	O.C. Houser	210	27.9	05-14	182	--	--	--
07N05E09DBC1	C.W. Martin	210	32.7	05-14	177	--	--	--
07N05E25ABA1	H.F. Sloan	205	26.7	05-14	178	--	--	--
08N01E02CDD1	Ms. George Wisemore	227	60.0	05-13	167	--	--	--
08N01E16DBB1	Myrtle Kemp	225	68.2	05-15	157	--	--	--
08N02E12DCC1	Donald Rolland Est	230	73.3	05-15	157	--	--	--
08N02E17BAA1	L.V. Diebold	225	67.3	05-15	158	--	--	--
08N04E27ABB1	Kenneth Thompson	205	20.1	05-14	185	--	--	--
09N01E04ACD1	Virginia Rienhart	225	68.0	05-15	157	--	--	--
09N01E33BBA1	Rebecca Fisher	225	62.0	05-15	163	--	--	--
09N01E36AAB1	Curtis Hagler	225	67.0	05-15	158	--	--	--
09N02E17AAB1	Sam Vaughn	232	77.6	05-13	154	--	--	--
09N02E20AAA1	Fay Imboden	230	74.8	05-15	155	--	--	--
09N02E30CBB1	Larry Volk	225	68.7	05-13	156	--	--	--
09N03E03ACC1	Lou Stadler	250	97.6	05-15	152	--	--	--
09N03E17CDD1	Millard Carter	245	85.0	05-15	160	--	--	--
09N04E01ADD1	Delta Farm	205	16.8	05-13	188	--	--	--
09N04E03DBB1	John Brown	215	19.0	05-14	196	--	--	--
09N04E33ADB1	Anne Quessenberry	205	19.0	05-15	186	--	--	--
09N05E10ACC1	John Collier	210	19.4	05-15	191	--	--	--
09N05E32BDB1	Elizabeth Johnston	210	24.6	05-15	185	--	--	--

CROSS COUNTY

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
DESHA COUNTY								
07S01E19ABAI	Brooks Griffin	154	9.0	05-01	145	12.2	10-30	- 3.2
09S01W08BDAl	Adcock	151	16.0	04-24	135	28.0	10-26	-12.0
09S01W15CBB1	Baxter	152	7.0	04-24	145	34.0	10-26	-27.0
09S02W17CBC1	Beegle	153	26.0	04-24	127	39.0	10-26	-13.0
09S03W35CCA1	Shea	155	25.0	04-24	130	43.0	10-26	-18.0
09S03W35DCB1	Hopmann	156	26.5	04-24	130	29.0	10-26	- 2.5
09S04W02CDA1	Walt Bros.	163	26.0	04-24	137	35.0	10-26	- 9.0
10S01W23DBC1	Simpson	146	5.0	04-24	141	21.0	10-26	-16.0
10S02W11ADD1	Singleton	148	12.0	04-24	136	20.0	10-26	- 8.0
10S02W23DBC1	Baxter	153	24.0	04-24	129	26.5	10-26	- 2.5
10S04W08BDA1	Stimson	162	24.0	04-24	138	30.0	10-26	- 6.0
10S04W11BBB1	Pickens	161	29.5	04-24	132	32.5	10-26	- 3.0
11S02W31DAA1	Johnson	147	23.0	04-24	124	37.0	10-26	-14.0
11S03W21ABB1	Tillar & Co.	139	14.0	04-24	125	--	--	--
12S03W30BCD1	Powell	141	22.0	04-24	119	23.5	10-26	- 1.5
13S02W05CDC1	Gilliam	146	38.5	04-24	108	57.5	10-26	-19.0
13S02W05CDD1	Gilliam	146	34.0	04-24	112	40.0	10-26	- 6.0
13S02W32DBD1	Deltic	135	32.0	04-24	103	--	--	--
13S03W11CAB1	McDonald	142	36.0	04-24	106	45.0	10-26	- 9.0
DREW COUNTY								
11S04W31ABC1	Peterson	152	10.0	04-25	142	10.3	10-10	- 0.3
12S04W25ABC1	Powell	140	19.0	04-24	121	28.0	10-26	- 9.0
12S04W25DBB1	Houge	147	20.0	04-25	127	26.0	10-10	- 6.0
12S05W04AAB1	R.D. Jones	182	32.0	04-25	150	40.0	10-10	- 8.0
13S04W09ACD1	Tabor	145	14.0	04-25	131	15.4	10-10	- 1.4
13S04W29CAB1	Ogles	135	10.0	04-25	125	20.0	10-11	-10.0
13S06W21DAA1	Reinhart	207	72.0	04-25	135	71.0	10-10	1.0
14S04W03ADD1	Pamplin	149	18.0	04-25	131	21.0	10-11	- 3.0
14S04W05CBA1	Henke	134	6.0	04-25	128	17.0	10-11	-11.0
14S04W08CAD1	Bates	130	10.0	04-25	120	11.0	10-11	- 1.0
14S04W22CAA1	Dennington	135	14.0	04-25	121	19.0	10-10	- 5.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990				
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Net Change (feet)
GREENE COUNTY									
16N02E12AAB1	Carl Phillips	260	32.7	05-11	227	--	--	--	--
16N05E27DBB1	McLaughlin	285	14.7	05-08	270	21.8	10-01	263	- 7.1
16N06E09AAC1	Williamson	255	40.7	05-08	214	61.0	10-01	194	-20.3
16N06E21BBB1	Wells	250	19.8	05-08	230	26.5	10-01	224	- 6.7
17N03E28CDB1	Dulaney	260	18.0	05-09	242	19.8	10-01	240	- 1.8
17N03E28DCD1	Gillman	270	22.0	05-09	248	25.5	10-05	245	- 3.5
17N03E29ABB1	Jumper	255	18.5	05-09	237	20.8	10-01	234	- 2.3
17N06E15ABB1	Boggs	263	25.2	05-08	238	34.3	10-09	229	- 9.1
17N06E22CBA1	Frankum	265	28.0	05-09	237	38.5	10-01	227	-10.5
17N07E03CCC1	Alexander	245	4.7	05-09	240	7.3	10-01	238	- 2.6
17N07E290BB1	Thomas	244	2.5	05-09	242	9.0	10-01	235	- 6.5
18N07E17BAB1	Lewis	260	3.5	05-08	257	13.8	10-01	246	-10.3
18N08E29CBA1	Hill	250	5.0	05-08	245	7.0	10-01	243	- 2.0
19N04E30DBB1	Daughhettee	276	23.0	05-09	253	25.5	10-05	251	- 2.5
19N05E34BDD1	Lange	282	22.5	05-08	260	26.7	10-05	255	- 4.2
INDEPENDENCE COUNTY									
11N04W02ABB1	Jerry Roberson	237	9.1	04-00	228	20.3	12-12	217	-11.2
11N04W06ABB1	David Pankey	230	1.6	04-00	228	12.3	12-12	218	-10.7
12N05W36AAA1	Don Kramer	235	13.5	04-00	222	21.5	12-12	214	- 8.0
14N03W12CCB1	Laverne Dickey	231	0.0	04-00	231	2.1	12-12	229	- 2.1
14N03W14CBB1	Jim Barnett	228	- .2	04-00	228	4.0	12-12	224	- 4.2
JACKSON COUNTY									
09N01W15D	M.P. Murphee	222	41.7	03-27	180	46.9	10-10	175	- 5.2
09N01W30B	Calvin Fields	210	31.1	03-28	179	35.2	10-16	175	- 4.1
09N02W11C	Peter Guinn	221	9.0	04-04	212	15.2	10-16	206	- 6.2
09N02W32B	B.J. Hardin	224	24.7	03-28	199	26.3	10-10	198	- 1.6
09N02W32B2	B.J. Hardin	227	25.0	04-04	202	26.3	10-16	201	- 1.3
10N01W02C	W.E. Jackson	230	48.0	04-04	182	51.4	10-16	179	- 3.4

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
10N01W05	Charlie McCartney	227	34.8	03-27	192	37.8	10-10	- 3.0
10N01W10A	Johnson Farm	220	44.1	03-28	176	47.0	10-10	- 2.9
10N01W14C	J. Winemiller	228	50.0	04-04	178	53.3	10-16	- 3.3
10N01W27A	J. Kieffer	225	47.4	03-27	178	51.3	10-10	- 3.9
10N02W29	Jack Kent	220	17.0	04-04	203	22.2	10-16	- 5.2
10N03W11	Oscar Turner	214	4.8	03-28	209	9.1	10-16	- 4.3
10N03W30C	Kenny Falwell	222	15.9	03-27	206	26.7	10-16	-10.8
11N01W25B	Davis Brothers	231	53.1	03-28	178	57.2	10-16	- 4.1
11N02W09	Andy Doyle	233	22.8	03-27	210	25.5	10-02	- 2.7
11N02W23D	J.D. Huey	226	19.5	03-27	207	21.9	10-10	- 2.4
11N03W12D	Haigwood Brothers	227	15.0	04-04	212	24.0	10-16	- 9.0
11N03W18C	Rutledge Brothers	218	11.3	03-28	207	18.0	10-16	- 6.7
12N01W11B	Joe Edwards	233	26.9	03-28	206	29.1	10-02	- 2.2
12N01W14C	Bill Phillips	233	27.0	04-04	206	29.2	10-16	- 2.2
12N01W30C2	Floyd Coleman	226	22.0	04-04	204	24.7	10-16	- 2.7
12N01W30CA	Floyd Coleman	232	22.7	03-28	209	24.7	10-02	- 2.0
12N01W36	W.R. Loftin	236	40.2	03-28	196	43.2	10-02	- 3.0
13N01W23B	Jim Thomas	243	32.6	03-27	210	34.0	10-02	- 1.4
13N02W10A	Dale Baughn	247	18.0	04-04	229	19.1	10-16	- 1.1
13N02W22	Holden-Conner	240	14.7	03-27	225	--	--	--
13N02W34C	James Young	240	14.0	04-04	226	15.1	10-16	- 1.1
13N03W15	Taylor Estate	235	12.4	03-27	223	18.4	10-02	- 6.0
13N03W36	S. Graham	235	11.4	03-28	224	13.3	10-02	- 1.9
14N01W01C	Paul Bennett	248	32.1	03-27	216	33.6	10-02	- 1.5
14N01W08A	Lynn Nicholson	253	25.9	03-27	227	26.2	10-02	- 0.3
14N01W19	W.D. Hulett	245	21.1	03-27	224	24.7	10-02	- 3.6
14N01W26C	Leo Saenger	247	32.0	03-27	215	33.4	10-02	- 1.4
14N01W33C	Benny Templeton	247	28.2	03-27	219	29.5	10-02	- 1.3
14N02W12	W.I. Rainwater	251	23.7	03-27	227	26.2	10-02	- 2.5
14N02W22B	George Bradley	250	22.4	03-27	228	25.1	10-02	- 2.7

JACKSON COUNTY--Continued

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
JEFFERSON COUNTY								
03S07W36ACC1	Ned Brown	185	21.0	05-04	164	27.5	10-25	- 6.5
03S08W01ABB1	C.H. Triplett	197	29.5	05-04	168	33.0	10-25	- 3.5
03S09W14BCD1	Tucker Estate	224	30.0	05-04	194	33.0	10-25	- 3.0
03S09W27AAA1	Tucker Estate	222	36.5	05-04	186	39.5	10-25	- 3.0
03S09W36ACC1	Payne Estate	215	25.5	05-04	190	30.0	10-25	- 4.5
03S10W26DAD2	Bennett	215	14.0	05-04	201	10.5	10-25	3.5
04S07W35DDB1	Mark Shelton	185	15.0	05-04	170	20.5	10-25	- 5.5
04S08W33DBB1	Elms	212	26.5	05-04	186	29.0	10-25	- 2.5
04S09W01DAA2	J. Blair	213	25.0	05-04	188	28.5	10-25	- 3.5
04S09W32DCB1	J. Blair	215	18.0	05-04	197	24.0	10-25	- 6.0
04S09W34DBA2	Guenther	215	20.5	05-04	195	--	--	--
05S07W35CDD2	Prudential	195	14.5	05-04	181	18.0	10-25	- 3.5
07S07W18AAD1	C.H. Triplett	188	12.5	05-04	176	16.0	10-25	- 3.5

LAWRENCE COUNTY								
15N01E11DAA1	Truman Goodson	255	33.7	05-11	221	32.1	10-31	1.6
15N01E23DAD1	J.B. Loren	250	32.4	05-11	218	30.2	10-31	2.2
15N01E32AAB1	Ervin Blanchard	255	42.9	05-11	212	42.5	10-31	0.4
15N02E10BBD1	D.B. White	247	20.4	05-11	227	23.6	10-31	- 3.2
16N01E29BBA1	Stan Jones	261	34.3	05-11	227	36.8	10-31	- 2.5
16N01E30DCC1	Sylvia Rainwater	260	37.0	05-11	223	38.5	10-31	- 1.5
16N01E35AAA1	Melton Todd	256	32.9	05-11	223	35.9	10-31	- 3.0
16N02E09AAD1	James F. Sloan	261	29.1	05-11	232	31.0	10-31	- 1.9
16N02E19ACA1	Belk Farms	260	30.5	05-11	230	33.3	10-31	- 2.8
16N02E34CBA1	Raymond Covey	255	29.9	05-11	225	35.6	10-31	- 5.7
17N01E02BBA1	Tribo Farms, Inc.	260	7.6	05-11	252	9.4	10-31	- 1.8
17N01E21CAC1	J.D. Beary	265	13.9	05-11	251	15.5	10-31	- 1.6
17N01E27AAA1	W.A. Wilson Jr.	270	28.4	05-11	246	27.6	10-31	- 3.2
17N02E04ADD1	Wilson Crisler	270	28.5	05-11	242	31.8	10-31	- 3.3
17N02E19CDD1	Tom Hilburn	265	28.4	05-11	237	32.0	10-31	- 3.6
17N02E21AAC1	Smith Painting Co.	268	30.5	05-11	238	33.5	10-31	- 3.0
17N02E25CBD1	Delphine Connelly	265	24.3	05-11	241	27.0	10-31	- 2.7
15N01W03BAB1	Lance Phillips	259	35.9	05-11	223	29.9	10-31	6.0
15N01W23BCD1	Joel Teel	255	32.4	05-11	223	35.0	10-31	- 2.6

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
LAWRENCE COUNTY--Continued									
15N01W30AAA1	Laddie Allen	254	25.5	05-11	229	26.9	10-31	227	- 1.4
16N01W30DDC1	Casey Phillips	255	19.1	05-11	236	21.9	10-31	233	- 2.8
17N01W26BCB1	Bennett Hart	260	13.5	05-11	247	17.6	10-31	242	- 4.1
17N01W36AAB1	Raymond Jones	257	7.5	05-11	250	7.2	10-31	250	0.3
LEE COUNTY									
01N01E04AAB1	John Fricker	175	15.0	04-30	160	24.0	10-17	151	- 9.0
01N01E09CCC1	V.W. Williams	175	15.0	04-30	160	26.9	10-23	148	-11.9
01N01E24CBA1	James Key	185	6.5	04-30	179	16.2	10-23	169	- 9.7
01N02E01DDD1	Bill Gerrard	205	12.0	04-30	193	28.0	10-23	177	-16.0
01N02E09BBA2	Alex Palmer	200	16.0	04-30	184	28.0	10-23	172	-12.0
01N02E12ABB1	Bill Gerrard	205	17.0	04-30	188	28.2	10-23	177	-11.2
01N02E22CAA1	Jimmy Manley	200	16.7	04-30	183	31.6	10-24	168	-14.9
01N02E33CBB1	Eugene Hindlsey	185	9.0	04-30	176	13.5	10-23	172	- 4.5
01N02E33CCB1	A.B. Thompson	185	6.0	04-30	179	13.3	10-23	172	- 7.3
02N01E18CBD1	Steve Fowler	185	26.5	04-30	159	35.6	10-23	149	- 9.1
02N01E21BAA1	John Dozier	189	18.0	04-30	171	24.2	10-23	165	- 6.2
02N01E23ABA1	J.N. Bickerstaff	200	--	--	--	42.6	10-23	157	--
02N01W34CDA1	A.J. Harvey	186	34.5	04-30	152	39.0	10-23	147	- 4.5
02N01W34DDC1	A.J. Harvey	180	27.0	04-30	153	34.0	10-23	146	- 7.0
02N02E36DDC1	Jane Cloyd	205	9.0	04-30	196	27.9	10-23	177	-18.9
02N03E29CAA1	Lowell Parten	215	26.0	04-30	189	43.0	10-23	172	-17.0
02N03E33DCD1	Alex Palmer	205	27.0	04-30	178	35.0	10-23	170	- 8.0
02N04E03ABD1	Lou Mann	185	20.0	04-30	165	22.8	10-18	162	- 2.8
03N01E03CBC1	Derward Byrd	205	51.0	04-30	154	52.0	10-23	153	- 1.0
03N01E17ADC1	Derward Byrd	200	--	--	--	42.2	10-23	158	--
03N01E32BBC1	Harlan Wilson	200	48.5	04-30	152	51.0	10-23	149	- 2.5
03N03E05CBC1	Buddy Whitehead	210	38.0	04-30	172	41.0	10-18	169	- 3.0
03N03E11DCB1	Faye Bullard	225	50.0	04-30	175	41.5	10-23	184	8.5
03N03E18DAB1	Trent Felton	175	20.0	04-30	155	23.0	10-17	152	- 3.0
03N04E07CBB1	Mike Vaccaro	200	24.0	04-30	176	26.0	10-23	174	- 2.0
03N05E03ADB1	W.H. Daggett	197	--	--	--	22.6	10-24	174	--
03N05E26ADC1	Ray Dawson	185	3.2	04-30	182	7.1	10-18	178	- 3.9

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface Feet	Date	Altitude of water level (feet)	Depth to water below land surface Feet	Date		
LINCOLN COUNTY									
07306W03CCA1	Katie Wood	190	21.0	05-04	169	19.0	11-07	171	2.0
07S07W36CBD1	Joe Newton	185	23.0	05-04	162	28.0	11-07	157	- 5.0
08S04W06ACB1	Robert Adcock	174	3.0	05-04	171	12.0	11-07	162	- 9.0
08S04W28CAB1	T.J. Cox	166	24.0	05-04	142	36.0	11-07	130	-12.0
08S05W12DBA1	R.L. Rogers	171	15.0	05-04	156	20.0	11-07	151	- 5.0
08S05W16DBC1	Joel Garner	174	19.0	05-04	155	26.0	11-07	148	- 7.0
08S05W21DCD1	Joel Garner	174	21.0	05-04	153	26.0	11-07	148	- 5.0
08S05W29ABC1	Elmer West	176	29.0	05-04	147	32.0	11-07	144	- 3.0
08S05W32DCC1	Sue Halter	174	29.0	05-04	145	29.0	11-07	145	0.0
09S04W06CBB1	Prudential Life	163	20.0	05-04	143	24.0	11-07	139	- 4.0
09S05W34BBD1	A.V. Stimson	171	28.0	05-04	143	26.0	11-07	145	2.0
09S06W03BDC1	Jack Jackson	175	25.0	05-04	150	--	--	--	--
09S06W04BDD1	Tom Cogbill	180	27.0	05-04	153	29.0	11-07	151	- 2.0
09S06W14ACA1	E.F. Freeman	175	24.0	05-04	151	29.0	11-07	146	- 5.0
09S06W23BCD1	E.F. Freeman	175	20.0	05-04	155	18.0	11-07	157	2.0
09S06W24DAA1	G.D. Smith	177	21.0	05-04	156	25.0	11-07	152	- 4.0

LONOKE COUNTY

01N07W07ABB2	Russell Schenebeck	227	107.0	05-10	120	110.7	10-23	116	- 3.7
01N07W33BCB1	Ward and Stratton	213	90.8	05-15	122	99.8	10-23	113	- 9.0
01N08W03DDA1	Winrock Farms	230	112.9	05-15	117	116.6	10-31	113	- 3.7
01N09W25BAA1	Aeries, Inc.	228	72.0	05-15	156	76.4	10-22	152	- 4.4
01N10W12ABB1	Carl Stecks	240	33.1	05-10	207	--	--	--	--
01N10W15CDA1	Dortch	241	18.0	05-14	223	19.2	11-05	222	- 1.2
02N07W07DAA1	R.M. Elliot	232	111.0	05-10	121	113.0	10-22	119	- 2.0
02N08W23DDB1	Jim Kittler	229	119.0	05-15	110	119.6	10-23	109	- 0.6
02N09W18ABC1	Finley Farms	261	74.1	05-16	187	79.2	11-05	182	- 5.1
02N10W14BBD1	Marcus Rye	238	34.8	05-16	203	37.9	11-05	200	- 3.1
02N10W15ACC1	Townsend	242	27.9	05-16	214	--	--	--	--
02N10W36BDC1	Prudential	243	37.8	05-10	205	--	--	--	--
03N07W27ABA2	Young's Farms, Inc.	230	--	--	--	99.5	10-31	131	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface Feet	Date	Altitude of water level (feet)	Depth to water below land surface Feet	Date	
03N07W32CCD2	Kenneth Gosney	240	104.0	05-10	136	111.0	10-22	- 7.0
03N08W26CDC1	Don & Ron Schafer	235	88.5	05-15	147	90.0	10-22	- 1.5
03N10W24DBA1	McCrary	237	43.6	05-10	193	47.1	11-05	- 3.5
01S06W16CCC1	Belcher	207	81.0	05-15	126	81.5	10-23	- 0.5
01S06W32BBB1	Bowlan	201	65.9	05-15	135	73.5	10-23	- 7.6
01S07W02CAA1	W.R. Rouse	210	84.5	05-15	126	89.4	10-31	- 4.9
01S09W03CDC2	Sandage	225	54.6	05-16	170	52.6	10-23	2.0
01S09W36CCC1	Marvin Burgess	220	48.2	05-14	172	52.3	11-05	- 4.1
01S10W15BBA1	Travelers	238	18.0	05-15	220	22.2	11-05	- 4.2
02S08W22CCC1	Ida Walls	216	51.1	05-15	165	50.1	10-31	1.0
02S09W02BBC1	Louise Tebbets	224	--	--	--	56.4	11-05	--
02S09W22AAA1	Capps	228	--	--	--	66.0	10-31	--
02S09W30DCC1	Sunderman	228	35.3	04-16	193	36.4	11-05	- 1.1

LONOKE COUNTY--Continued

MISSISSIPPI COUNTY

10N08E21ABB1	Bob Pugh	224	18.8	04-24	205	20.8	10-24	- 2.0
10N08E21BAD1	Bob Pugh	224	18.1	04-24	206	20.0	10-24	- 1.9
12N08E27CAB1	Bond Bros.	225	10.0	04-24	215	14.0	10-24	- 4.0
12N09E12ABB1	Harold Senter	234	7.2	04-24	227	15.0	10-24	- 7.8
12N10E04CAA1	R.B. Holthouse	235	5.6	04-24	229	12.8	10-24	- 7.2
12N10E07BCD1	Charles Robinson	239	8.1	04-24	231	15.7	10-24	- 7.6
12N10E21DBA1	Wade Whistle	236	8.6	04-24	227	14.5	10-24	- 5.9
12N10E33CAA1	Lowrance Bros.	230	10.3	04-24	220	14.4	10-24	- 4.1
13N08E24ABB1	Ira G. Ashley	230	9.5	04-24	221	11.0	10-24	- 1.5
14N08E20DAA1	Prudential Insurance	225	2.2	04-24	223	4.8	10-24	- 2.6
14N08E26CCD1	E.L. Parks	230	1.9	04-24	228	2.7	10-24	- 0.8
14N11E19ACA1	Ann Goetch	240	4.0	04-24	236	8.0	10-24	- 4.0
14N11E33DEB1	Mike McCarty	240	9.3	04-25	231	13.3	10-24	- 4.0
15N10E21ABC1	Joe Dilldine	240	8.0	04-25	232	11.7	10-24	- 3.7
16N10E28BBD1	R.D. Hughes	240	8.1	04-25	232	11.7	10-24	- 3.6

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)	
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date		
MONROE COUNTY									
01N01W03CDB1	Edgar Fowler	185	33.1	04-25	152	39.3	10-16	146	- 6.2
01N02W14DDD1	Ferrill Martin	180	19.9	04-24	160	21.8	10-16	158	- 1.9
01N02W19BCB1	Don Pettigrew	180	16.4	04-25	164	17.0	10-16	163	- 0.6
01N03W23BAD1	Corrine Nelson	170	7.7	04-25	162	10.8	10-16	159	- 3.1
02N01W19ADD1	A.J. Brizzolara	190	38.7	04-24	151	46.3	10-18	144	- 7.6
02N03W35CDA1	Bill Davis	185	27.6	04-25	157	31.0	10-16	154	- 3.4
04N02W05AAA1	D.R. Parsley	185	10.4	04-24	175	14.7	10-16	170	- 4.3
01S01W16DB	Allen Walls	175	13.8	04-24	161	15.8	10-16	159	- 2.0
01S02W20BBB1	J.T. Richardson	170	5.4	04-24	165	9.5	10-16	161	- 4.1
01S03W20CCD1	Don Davis	210	67.5	04-25	143	70.0	10-18	140	- 2.5
02S01W01BCD1	Larry Coleman	175	13.3	04-24	162	14.9	10-16	160	- 1.6
02S01W11DBB1	Allen Walls	170	13.6	04-24	156	14.4	10-16	156	- .8

PHILLIPS COUNTY

01S01E20DDB1	Dennis Storey	185	12.4	05-01	173	16.4	10-29	169	- 4.0
01S02E09BDC	Ronald Storey	185	6.4	05-01	179	12.3	10-29	173	- 5.9
01S02E32BCC1	Joe Kemmer	200	24.6	05-01	175	35.7	10-29	164	-11.1
01S03E02ADD1	Nix Bros.	200	8.2	05-01	192	15.0	10-29	185	- 6.8
01S03E10ABB1	Henry Heidelberg	205	9.0	05-01	196	23.0	10-29	182	-14.0
01S03E20BDD1	W.A. Smith	210	28.0	05-01	182	37.4	10-29	173	- 9.4
01S04E05DCD1	J.W. Webb	230	41.0	05-01	189	48.0	10-29	182	- 7.0
02S02E29DDD1	J.A. Hill	180	19.5	05-01	161	28.0	10-29	152	- 8.5
02S02E33ACC1	James Yancey	177	20.0	05-01	157	29.0	10-29	148	- 9.0
02S03E05BBC1	W.A. Smith	194	22.3	05-01	172	30.0	10-29	164	- 7.7
02S03E34BCD1	Buck Ward	165	15.2	05-01	150	20.2	10-29	145	- 5.0
02S04E27ACC1	W.A. Bailey	175	7.7	05-01	167	13.4	10-29	162	- 5.7
02S04E32BCA1	Pat Burke	175	12.4	05-01	163	17.7	10-29	157	- 5.3
03S04E02CAA1	Buron Griffin	176	10.0	05-01	166	15.2	10-29	161	- 5.2
04S01E01AAD1	Steve Cannon	156	7.0	05-01	149	11.0	10-30	145	- 4.0
04S01E14CDD1	Don Warren	155	10.0	05-01	145	11.2	10-30	144	- 1.2
04S01E29C	J.B. Lambert, III	150	10.4	05-01	140	9.0	10-30	141	1.4
04S02E01DBB1	Steve Cannon	163	11.2	05-01	152	11.3	10-30	152	- 0.1
05S01E26ADC1	Jim Bush	160	11.5	05-01	149	16.4	10-30	144	- 4.9

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
POINSETT COUNTY								
10N01E02AA	Paul Wolf	235	78.3	03-13	157	79.3	10-15	- 1.0
10N01E10DAB1	Charlie Dale	236	79.8	03-13	156	83.0	10-15	- 3.2
10N01E32CBB1	Anderson Weld	222	41.0	03-16	181	40.0	10-15	1.0
10N01E33ABB1	Eddie Wright	220	59.8	03-13	160	62.0	10-15	- 2.2
10N01E34ADA1	Eddie Wright	230	81.0	03-13	149	83.0	10-15	- 2.0
10N02E02CB	Jack Knapple	235	67.0	03-13	168	73.0	10-15	- 6.0
10N02E13BCC1	Danny Clements	237	85.0	03-13	152	90.0	10-15	- 5.0
10N02E20BAB1	Beal	237	83.0	03-13	154	85.0	10-15	- 2.0
10N03E02DDD1	Gary Reddman	265	100.0	03-13	165	--	--	--
10N03E29BBC1	Wallace	236	79.5	03-13	157	--	--	--
10N04E26CBC1	Sonny Bonds	220	17.7	03-12	202	19.5	10-04	- 1.8
11N01E21DDC1	Fullbright	232	63.5	03-13	169	66.0	10-11	- 2.5
11N01E34CA	Paul Wolf	235	70.5	03-13	165	72.5	10-15	- 2.0
11N02E01DD	Rice Lee Vanausdall	245	100.0	03-12	145	101.0	10-11	- 1.0
11N02E10CB	Joe Guziewicz	245	98.0	03-12	147	100.0	10-11	- 2.0
11N02E30BBB1	Sonny Wolf	239	82.5	03-13	157	85.5	10-15	- 3.0
11N02E34CB	Claude Heeb	240	92.0	03-13	148	94.0	10-11	- 2.0
11N03E11DDD1	Larry Bryan	262	115.0	03-13	147	116.0	10-11	- 1.0
11N03E13CAA1	Lafarrel Wess	270	110.6	03-12	159	113.3	10-11	- 2.7
11N03E30DDC1	Johny Branum	240	86.6	03-13	153	88.5	10-11	- 1.9
11N04E36ABA1	Mrs. Earl Whitaker	215	20.8	03-12	194	22.5	10-04	- 1.7
12N01E22DAB1	Vernon Walker	235	59.5	03-12	176	62.0	10-11	- 2.5
12N02E10CB	Rex Downing	245	101.0	03-12	144	103.0	10-13	- 2.0
12N02E25DCC1	Wimpy Farms	245	72.0	03-12	173	71.5	10-11	0.5
12N02E34CC	Elmer Cooper	245	94.0	03-12	151	94.0	10-11	.0
12N03E01CCA1	Skip Covington	250	79.2	03-12	171	82.5	10-11	- 3.3
12N03E04DAD1	Hall	248	85.6	03-12	162	88.5	10-11	- 2.9
12N04E08DA	Doug Wittingham	250	75.0	03-12	175	77.0	10-11	- 2.0
12N04E15AAA1	B.L. Evans	225	21.5	03-12	204	23.0	10-04	- 1.5
12N05E16AAA1	L.B. Terry	221	6.5	03-12	215	11.0	10-04	- 4.5
12N06E31ADD1	Charles Woodruff	218	6.0	03-12	212	10.2	10-04	- 4.2
12N07E10CBB1	Weems	220	9.7	03-12	210	15.5	10-04	- 5.8

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990				Fall 1990			
		Altitude of land surface (feet above sea level)	Depth to water below land surface	Date	Altitude of water level (feet)	Depth to water below land surface	Date	Altitude of water level (feet)	Net Change (feet)
		Feet	Feet		Feet		Feet		
PRAIRIE COUNTY									
01N06W28	Uhiren Farm	221	108.7	04-24	112	109.9	10-23	111	- 1.2
01N06W34	Eddie Lisko	223	105.2	04-25	118	105.9	10-24	117	- 0.7
02N06W08	L.D. Branch	235	115.5	04-25	120	117.0	10-24	118	- 1.5
03N05W05	Jerry DeVorak	212	70.0	04-25	142	70.5	10-23	142	- .4
03N06W17	E.H. Bednar	216	69.9	04-24	146	70.5	10-23	146	- .6
04N05W13	Delta Trust	210	65.0	04-25	145	65.8	10-24	144	- .8
04N05W14	Buck Uland	205	30.8	04-25	174	37.4	10-24	168	- 6.6
04N05W18	Noble Dicks	210	68.0	04-25	142	68.8	10-23	141	- .8
04N05W27	Skarda Farms	205	51.1	04-25	154	52.7	10-24	152	- 1.6
04N05W30	William Bell	213	74.5	04-25	139	74.7	10-24	138	- .2
04N06W08	Reuben Kennedy	202	53.8	04-25	148	54.1	10-23	148	- .3
04N06W09	M.V. Owens	204	55.5	04-25	149	54.7	10-23	149	- .8
04N06W12	Delta Trust	205	68.5	04-25	137	68.9	10-24	136	- .4
04N06W23	George Ford	215	74.2	04-25	141	75.7	10-23	139	- 1.5
04N07W33	Mickey Graham	254	90.7	04-24	163	91.5	10-23	163	- .8
05N05W23	V.O. Calhoun	200	25.0	04-25	175	33.7	10-23	166	- 8.7
05N05W24	M. Calhoun	187	8.2	04-25	179	17.1	10-23	170	- 8.9
05N05W25	M. Calhoun	185	11.0	04-25	174	24.2	10-23	161	-13.2
05N05W28	F. Calhoun	192	26.4	04-25	166	29.0	10-23	163	- 2.6
01S04W28	Ray Vester	206	94.8	04-24	111	95.6	10-23	110	- .8

RANDOLPH COUNTY

18N01E01AB1	John Bennett	266	9.4	04-26	257	--	--	--	--
18N01E13BAB1	Lamb Bros.	266	9.2	04-26	257	13.3	10-26	253	- 4.1
18N01E25BAB1	Mrs. D.W. Fender	265	11.3	04-24	254	12.8	10-26	252	- 1.5
18N01E27D	Fender	259	13.6	04-26	245	--	--	--	--
18N01E28BAC1	Sherman Jones	259	13.7	04-26	245	16.4	10-25	243	- 2.7
18N01E29BA1	B.R. James	255	16.8	04-26	238	15.8	10-25	239	- 1.0
18N01E34CCD1	J.D. Blankenship	262	13.7	04-26	248	14.0	10-25	248	- 0.3
18N02E02CB1	Terry Robinette	277	21.9	04-26	255	26.8	10-26	250	- 4.9
18N02E06BDB1	B.R. James	265	7.9	04-26	257	14.1	10-26	251	- 6.2
18N02E14BCB1	S. Morgan	274	22.7	04-26	251	23.3	10-26	251	- .6

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
RANDOLPH COUNTY--Continued								
18N02E17CBB1	Milton Lemmons	265	7.7	04-26	257	9.6	10-26	- 1.9
18N02E20BAA1	B.R. James	275	27.1	04-26	248	26.1	10-26	1.0
18N02E21CAA1	Bobby Crisler	273	23.2	04-26	250	25.1	10-26	- 1.9
18N02E25CAB1	A. Ford Estate	270	23.3	04-26	247	24.9	10-26	- 1.6
18N02E26CBA1	B. R. James	273	26.8	04-26	246	37.5	10-26	-10.7
18N02E27CAB1	B. French	271	24.8	04-26	246	9.7	10-26	15.1
18N02E32ABB1	Bobby Crisler	271	26.8	04-26	244	26.4	10-26	0.4
19N02E04ADD1	Carlton Thraesch	267	5.8	04-24	261	--	--	--
19N02E09ABA1	Bernard Baltz	266	3.0	04-24	263	14.5	10-25	-11.5
19N02E22DAD1	Alan Rodgers	265	4.0	04-26	261	--	--	--
20N02E01DAC1	Dan Joe Wren	281	12.3	04-26	269	7.7	10-26	4.6
20N02E14ADA1	Bill Johnston	274	6.1	04-24	268	12.4	10-26	- 6.3
20N02E28BCD1	Dan Joe Wren	269	4.7	04-24	264	15.7	10-26	-11.0
20N03E06DAC1	Dan Joe Wren	280	8.5	04-24	272	13.7	10-26	- 5.2
20N03E07AAD1	Dan Joe Wren	281	12.3	04-24	269	17.1	10-26	- 4.8
20N03E29CBC1	Lamb Bros.	280	19.4	04-24	261	25.4	10-26	- 6.0
20N03E33CAC1	Lamb Bros.	287	23.9	04-24	263	18.7	10-29	5.2
20N03E33CCA1	Lamb Bros.	287	20.0	04-24	267	18.6	10-29	1.4
ST. FRANCIS COUNTY								
04N01E05AAC1	O.P. Hammons	205	56.0	06-12	149	56.5	11-14	- 0.5
04N01E17DCB1	H. Watkin	210	56.0	06-12	154	56.0	11-14	.0
04N01W20BBB1	McKinney Dixon	200	48.5	06-12	152	48.0	11-14	.5
04N02E20ACC1	Earl Gore	210	50.0	06-12	160	51.0	11-14	- 1.0
04N04E15ABA1	Lakeside Farms	200	32.0	06-11	168	32.0	11-13	.0
05N01E04BBA1	C.E. West	210	70.0	06-11	140	61.0	11-13	9.0
05N01E06DAD1	Freda Hardin	211	55.0	06-11	156	58.0	11-13	- 3.0
05N03E18DCD1	Bryan Holmes	210	64.0	06-11	146	--	--	--
05N04E26B	W.B. Burch	200	24.0	06-11	176	--	--	--
05N05E21CBA1	Sid Fogg	195	29.0	06-11	166	27.5	11-13	1.5
05N06E05BBB1	W.C. Casey	195	25.0	06-11	170	29.0	11-13	- 4.0
06N01E23BDC1	Pine Tree Exp. Stn.	210	55.0	06-11	155	56.0	11-13	- 1.0
06N02E16CCB1	John Drury	210	50.0	06-11	160	50.0	11-13	.0
06N02E18BAA1	Calvin Frazier	210	50.0	06-11	160	--	--	--
06N04E36CDC1	David Blaylock	200	25.0	06-11	175	--	--	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1990 and fall 1990

Location	Land owner	Spring 1990			Fall 1990			Net Change (feet)
		Altitude of land surface (feet above sea level)	Depth to water below land surface (feet)	Date	Altitude of water level (feet)	Depth to water below land surface (feet)	Date	
WHITE COUNTY								
06N04W07BBC1	V. Johnston	205	17.0	05-02	188	--	--	--
06N06W04BAB1	E. Vaughn	221	41.6	05-02	179	--	--	--
06N06W13BAD1	B. Duch	213	41.4	05-02	172	--	--	--
06N06W18BCA1	C. Powell	210	21.0	05-02	189	--	--	--
WOODRUFF COUNTY								
05N01W03ACA1	Ashburn	215	49.7	05-09	165	52.0	11-20	- 2.3
05N01W13DDC1	Melvin	210	58.3	05-09	152	66.5	11-20	- 8.2
05N01W31BCB1	Wilks	210	49.9	05-09	160	54.8	11-21	- 4.9
05N02W13ABD1	Kennedy	195	--	--	--	30.5	11-20	--
05N03W25DDB1	McMullan	190	5.9	05-09	184	11.2	11-21	- 5.3
05N03W31CBA1	Gardner	178	.9	05-09	177	5.0	11-21	- 4.1
06N02W19AAA1	Dante's	225	41.1	05-09	184	44.6	11-21	- 3.5
06N04W22BDA1	Rodgers	186	.5	05-09	186	7.3	11-21	- 6.8
07N01W04DBB1	Childress	225	48.2	05-09	177	50.6	11-20	- 2.4
07N02W16DBB1	Burkett	206	17.4	05-09	189	19.6	09-26	- 2.2
07N03W05ACA1	Bowen	213	17.5	05-09	196	16.9	11-20	0.6
07N03W06DBB1	Sloan Valve	212	18.7	04-25	193	18.3	11-21	.4
07N03W31BBB1	Gregory	200	5.3	05-09	195	11.0	11-21	- 5.7
08N01W06CCD1	Myers	220	32.2	05-09	188	33.1	11-20	- 0.9
08N01W10AAA1	Young	211	36.8	05-09	174	43.0	11-21	- 6.2
08N02W15ACA1	Jelks	209	15.1	05-09	194	18.6	11-21	- 3.5
08N02W27DDC1	Swanson	213	19.5	05-09	194	21.6	11-20	- 2.1
09N03N32ACA1	Fitzhugh	217	10.7	05-09	206	12.5	11-20	205
09N03W21DBD1	Dale	220	13.4	05-09	207	15.2	11-21	- 1.8
09N03W24DBC1	Rouse	212	3.0	05-09	209	5.1	11-20	- 2.1