

GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER IN EASTERN ARKANSAS, 1992

By Paul W. Westerfield and Sharon T. Touschner

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**ARKANSAS SOIL AND WATER CONSERVATION COMMISSION,
the U.S. SOIL CONSERVATION SERVICE, and
LOCAL CONSERVATION DISTRICTS**

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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 1992 and fall 1992.....	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--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 in 458 wells completed in the alluvial aquifer in sediments of Quaternary age of the Mississippi Alluvial Plain. The measurements were made by Soil Conservation Service personnel during 1992.

The shallowest spring water levels occurred in Ashley, Clay, Independence, Mississippi, and Randolph Counties where water levels averaged less than 15 feet below land surface. The deepest spring water levels occurred in Arkansas, Lonoke, Poinsett, and Prairie Counties where water levels were often more than 100 feet below land surface. Water levels in the fall averaged about 2.6 feet lower than during the spring.

INTRODUCTION

This report contains records of water-level measurements made in 458 wells completed in the aquifer in sediments of Quaternary age of the Mississippi Alluvial Plain (fig. 1), herein referred to as the alluvial aquifer. It is prepared as part of the Eastern 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 base.

The water levels in table 1 reflect the spring and fall conditions during 1992. The shallowest spring water levels occurred in Ashley, Clay, Independence, Mississippi, and Randolph Counties where water levels averaged less than 15 feet below land surface. The deepest spring water levels occurred in Arkansas, Lonoke, Poinsett, and Prairie Counties where water levels often were more than 100 feet below land surface; water levels in these counties averaged from 62.4 to 85.3 feet below land surface. Water levels measured in the 458 wells during the fall averaged about 2.6 feet lower than during the spring.

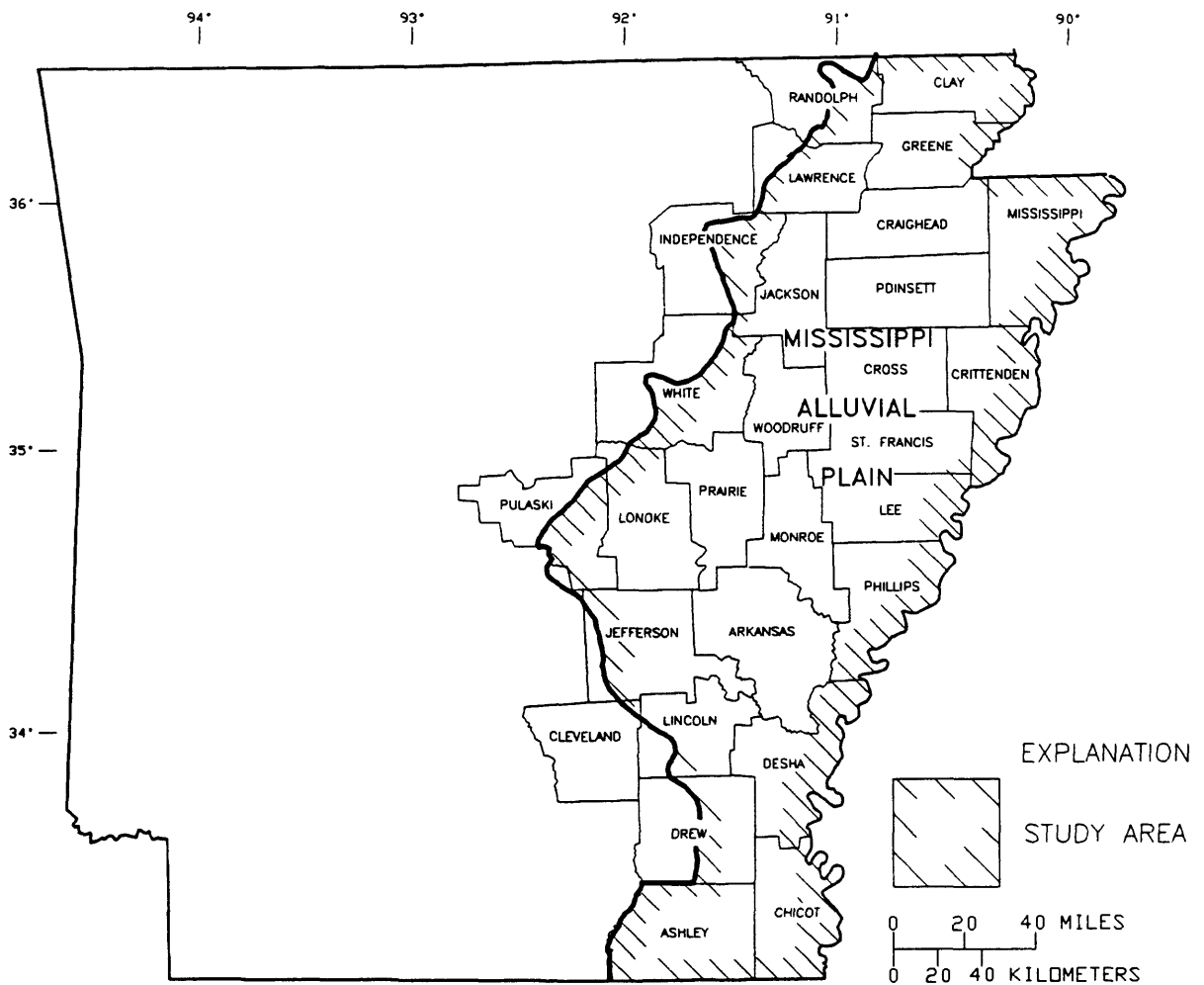


Figure 1.--Location of study area.

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 1992 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; three letters which indicate, respectively, the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section in which the well is located; and a sequence number of the well in the quarter-quarter-quarter section.. 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.

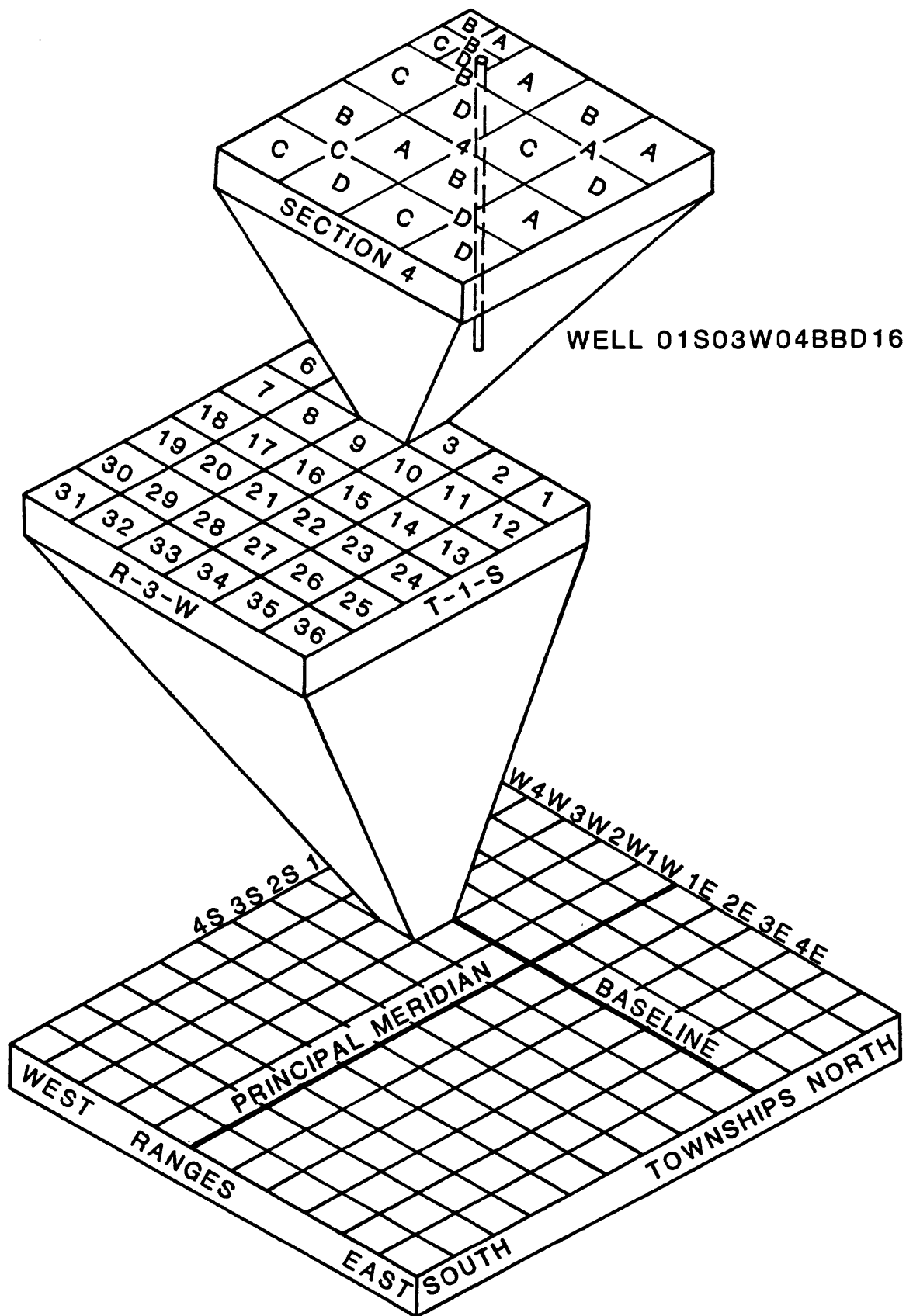


Figure 2.--Well-numbering system.

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Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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	108.0	94	03-27	108.0	94	10-08	0.0
05S03W16ABA1	Hartz	186	90.0	96	03-27	92.0	94	10-08	-2.0
05S03W16ABB1	Allen Brothers	196	107.0	89	03-27	107.0	89	10-08	.0
05S04W14AAD1	A.C. Smith	186	92.0	94	03-27	93.0	93	10-08	-1.0
05S04W34BAC1	Mark Berry	191	73.0	118	03-27	73.0	118	10-08	.0
06S02W03ABA1	J.W. Hargrove	187	74.0	113	03-27	70.0	117	10-08	4.0
07S03W10ACD1	Pat Hackney	187	53.0	134	03-27	56.0	131	10-08	-3.0
ASHLEY COUNTY									
16S04W21AAC1	Craig Shackelford	130	24.1	106	04-07	28.8	101	09-28	-4.7
16S05W35DDA1	Joel Newcomb	125	11.4	114	04-07	14.5	111	09-28	-3.1
18S04W23DDD1	Henry Morschheimer	103	13.7	89	04-06	18.9	84	09-28	-5.2
18S05W11CCD1	Billy Scroggins	118	15.6	102	04-06	19.7	98	09-28	-4.1
18S05W22DDA1	W.H. Maxwell	125	13.1	112	04-06	16.3	109	09-28	-3.2
19S04W14BBB1	Ronald Miller	107	14.8	92	04-06	21.7	85	09-28	-6.9
19S05W08ACA1	Steven Harvey	111	9.5	102	04-06	15.2	96	09-28	-5.7
19S05W16ABB1	John Currie, Jr.	116	17.3	99	04-06	20.3	96	09-28	-3.0
19S05W22DCD1	Betty Channel	107	14.1	93	04-06	17.7	89	09-28	-3.6
CHICOT COUNTY									
13S03W27AAA1	Bobby Braswell	138	28.0	110	04-22	28.0	110	10-26	0.0
14S02W09ED	J. Golden	135	26.0	109	04-23	27.0	108	10-26	-1.0
14S02W18BBA1	B.F.W.	130	21.0	109	04-22	23.0	107	10-26	-2.0
15S01W31ADD1	Ralph Baskett	120	18.0	102	04-27	19.0	101	10-27	-1.0
15S02W20DDC1	Bruce Leggett	125	20.0	105	04-24	19.0	106	10-26	1.0
15S03W13ACC1	Bill Keller	125	23.0	102	04-23	20.0	105	10-26	3.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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	
CHICOT COUNTY--Continued									
16S01W12DDB1	Joe Gates	110	20.0	90	04-28	20.0	90	10-27	0.0
16S03W11ABA1	Lewis Howell	115	23.0	92	04-28	23.0	92	10-27	.0
17S03W18CBC1	Gus Pugh	115	28.0	87	04-28	29.0	86	10-27	-1.0
17S03W28ACC1	R.H. Tuggle	105	22.0	83	04-28	24.0	81	10-27	-2.0
18S01W33BDA1	Alvin Meyer, Jr.	115	17.0	98	04-29	18.0	97	10-27	-1.0
19S02W28DAC1	Major Winters	125	40.0	85	04-29	40.0	85	10-27	.0
CLAY COUNTY									
19N04E11DAA1	Joe Dodd	280	15.8	264	05-01	16.5	264	10-05	-0.7
19N06E18DEC1	Leroy Cruce	297	25.4	272	05-01	26.4	271	10-05	-1.0
19N07E25BCB1	Lynn Wimberley	268	15.7	252	05-01	19.0	249	10-05	-3.3
19N08E08DCA1	Ropac	263	7.0	256	05-01	7.6	255	10-05	-.6
19N09E19CDC1	Frank Thrasher	265	6.5	259	05-01	8.2	257	10-05	-1.7
20N04E03AAC1	Quinn Brown	290	14.4	276	05-01	16.0	274	10-05	-1.6
20N05E15CAA1	Odell Richardson	291	20.7	270	05-01	23.3	268	10-05	-2.6
20N05E22CAD1	Wallace Lewallen	290	21.5	269	05-01	22.5	268	10-05	-1.0
20N05E22DEB1	Wallace Lewallen	290	20.5	270	05-01	--	--	--	--
20N06E09BBA1	Leon Cates	290	13.1	277	05-01	15.6	274	10-05	-2.5
20N06E28CDD1	Harold Bauschlicher	290	17.1	273	05-01	20.1	270	10-05	-3.0
20N08E22BDA1	Charles Hollis	279	7.0	272	05-01	11.2	268	10-05	-4.2
20N09E09ABC1	Jess Hill	279	7.8	271	05-01	12.1	267	10-05	-4.3
21N03E15CBC1	Joe Lewis	292	12.5	280	05-01	13.0	279	10-05	-.5
21N03E36CDC1	O.E. Davis	290	13.2	277	05-01	17.6	272	10-05	-4.4
21N04E09DAC1	Buel Turner	291	7.0	284	05-01	10.6	280	10-05	-3.6
21N06E09BBB1	John Holifield	292	4.4	288	05-01	--	--	--	--
21N07E01DCD1	David Lawrence	303	10.9	292	05-01	24.0	279	10-05	-13.1
21N07E19BDA1	Junior Allman	295	21.5	274	05-01	20.2	275	10-05	1.3
21N08E03CCD1	Ricky Jones	310	21.7	288	05-01	--	--	--	--
21N08E03CDB1	Charles Foster	308	--	--	--	24.0	284	10-05	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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)	
CRAIGHEAD COUNTY									
13N01E03AAA1	Joy Ledbetter	240	40.3	03-31	200	44.0	10-22	196	-3.7
13N01E21CA	Ledbetter/Gossage	240	55.0	03-31	185	59.0	10-22	181	-4.0
13N01E23CA1	Mike Weaver	245	56.7	03-31	188	59.0	10-29	186	-2.3
13N02E02AAB1	Jerry Simmons	251	73.2	04-01	178	75.0	10-26	176	-1.8
13N02E03AAA1	Freeze/Waddill	250	72.7	04-01	177	74.7	10-26	175	-2.0
13N02E15BB2	Dennis Gibson	245	71.7	04-01	173	73.5	10-26	172	-1.8
13N03E23CDA1	Earl Hill	249	76.7	03-31	172	78.2	10-26	171	-1.5
13N03E28CDA1	H. Clark/Adams	250	88.4	03-31	162	90.0	10-26	160	-1.6
13N04E15DCC1	W.R. Carter	230	20.2	04-01	210	21.7	10-26	208	-1.5
13N04E26BCC1	R. Thurman	225	22.2	04-01	203	23.4	10-26	202	-1.2
13N05E06DCC1	Mildred Morrison	229	16.6	04-01	212	18.3	10-26	211	-1.7
13N06E03ACB1	Noel Eggers	223	3.7	03-31	219	7.5	10-26	216	-3.8
13N06E21CBD1	Ed Ball	222	6.1	03-31	216	9.2	10-26	213	-3.1
13N07E22DBA1	Herbert Wood	220	6.1	03-31	214	--	--	--	--
13N07E35ADD1	H. Adams, Jr.	221	10.3	03-31	211	12.8	10-27	208	-2.5
14N01E03ACB1	Wiggins	249	39.0	03-31	210	41.0	10-22	208	-2.0
14N01E10BAB1	Wayne Wiggins	246	37.1	03-31	209	38.4	10-22	208	-1.3
14N01E31DAB1	Raymond Crider	251	45.9	03-31	205	47.9	10-22	203	-2.0
14N02E15DDA1	Donald Williams	255	61.0	03-31	194	63.0	10-26	192	-2.0
14N02E16BCD1	Larry Burns	250	51.2	03-31	199	53.3	10-22	197	-2.1
14N02E22AAD1	Williams	255	60.9	03-31	194	62.8	10-26	192	-1.9
14N05E29BAB1	Hellsboro Plaza, Inc.	236	17.4	04-01	219	19.2	10-27	217	-1.8
14N07E07BBC1	B. McFarlin	230	5.0	03-31	225	8.5	10-27	222	-3.5
15N02E01CAB1	Cleo Watkins Jr.	265	22.0	03-31	243	23.7	10-22	241	-1.7
15N02E12ABC1	S.W. Knight	250	21.2	03-31	229	22.2	10-20	228	-1.0
15N05E15DDB1	Randolph Steele	253	21.7	03-31	231	25.7	10-26	227	-4.0
15N05E32ABB1	Ray Dooley	252	18.1	03-31	234	23.0	10-26	229	-4.9
15N06E04ABB1	Poley Schug	239	9.1	03-31	230	13.5	10-27	226	-4.4
15N07E10DA	Maurice Keich, Trust	235	8.4	03-31	227	11.4	10-27	224	-3.0
15N07E21DAB1	Urell Dudley	236	8.2	03-31	228	12.2	10-27	224	-4.0
15N07E35DB1	C. Hawthorne	230	9.3	03-31	221	13.9	10-27	216	-4.6
16N07E25BB1	Toni Falls	240	--	--	--	9.4	10-27	231	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			Net change (feet)
			Feet	Date	Altitude of water level (feet)	Feet	Date	Altitude of water level (feet)	
CRITTENDEN COUNTY									
05N07E08DDA1	Billy West	206	14.8	04-23	191	18.1	10-21	188	-3.3
05N07E34BDB1	Carlson	205	13.0	04-23	192	17.5	10-21	188	-4.5
06N07E14CCA1	C.L. Eubanks	211	19.0	04-23	192	16.0	10-21	195	3.0
07N06E08DAD1	Billy Rogers	210	27.3	04-23	183	25.6	10-22	184	1.7
07N08E17BBC1	L. McCuiston	212	8.6	04-23	203	15.6	10-21	196	-7.0
08N06E01DCC1	Sam Hatley	215	24.6	04-23	190	26.3	10-21	189	-1.7
08N06E06DDA1	George Watson	214	27.0	04-23	187	28.7	10-22	185	-1.7
08N07E32DAD1	Joe Marotti	215	22.3	04-23	193	23.1	10-21	192	-.8
09N07E02CCA1	Ed Young	225	25.1	04-23	200	27.7	10-21	197	-2.6
09N08E04CCB1	Joe Boone	216	17.0	04-23	199	14.2	10-21	202	2.8
CROSS COUNTY									
06N02E10CDA1	V.A. Pervin	200	53.0	04-27	147	--	--	--	--
06N02E12AAA1	Hoyt Neill	235	66.5	04-27	169	68.5	10-13	167	-2.0
06N04E01BBB1	Lucy Billingsley	205	31.5	04-27	174	33.0	10-13	172	-1.5
07N01E05DCB1	W.E. Plyler	215	60.2	04-27	155	59.2	10-13	156	1.0
07N01E06CAA1	Sonny Cox	220	58.8	04-27	161	59.5	10-14	161	-.7
07N01E33BBA1	Martin Ridley	215	56.0	04-27	159	56.7	10-13	158	-.7
07N02E04DCD1	Randy Boeckmann	225	53.7	04-27	171	53.8	10-14	171	-.1
07N02E10ABB1	E.R. Rolfe	225	70.5	04-27	155	72.2	10-13	153	-1.7
07N02E15DAA1	David Tyer	218	--	--	--	61.0	10-13	157	--
07N02E29DDC1	Martha Ellis Estate	220	59.5	04-27	161	60.0	10-13	160	-.5
07N03E05AAD1	Gloria Borell	255	97.7	04-27	157	98.2	10-13	157	-.5
07N04E04DBB1	Glen Eaton	201	24.8	04-27	176	27.0	10-07	174	-2.2
07N05E02AAB1	O.C. Houser	210	28.5	04-27	182	29.8	10-07	180	-1.3
07N05E25ABA1	H.F. Sloan	205	25.5	04-27	180	29.0	10-13	176	-3.5
08N01E02CDD1	Ms. George Wisemore	227	61.5	04-27	166	62.8	10-14	164	-1.3
08N01E16DBB1	Myrtle Kemp	225	69.5	04-28	156	70.5	10-13	155	-1.0
08N02E12DCC1	Donald Rolland Estate	230	75.2	04-28	155	76.9	10-13	153	-1.7
08N02E17BAA1	L.V. Diebold	225	69.3	04-28	156	71.8	10-13	153	-2.5
08N04E27ABB1	Kenneth Thompson	205	25.2	04-27	180	27.0	10-07	178	-1.8

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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	
CROSS COUNTY--Continued									
09N01E04ACD1	Virginia Rienhart	225	70.2	155	04-28	71.2	154	10-13	-1.0
09N01E33BBA1	Rebecca Fisher	225	63.1	162	04-28	64.5	161	10-13	-1.4
09N01E36AAB1	Curtis Hagler	225	68.5	157	04-28	70.5	155	10-13	-2.0
09N02E17AAB1	Sam Vaughn	232	82.3	150	04-28	85.5	147	10-14	-3.2
09N02E20AAA1	Fay Imboden	230	75.6	154	04-28	78.0	152	10-13	-2.4
09N02E30CBB1	Larry Volk	225	70.8	154	04-28	71.5	154	10-13	- .7
09N03E03ACC1	Lou Stadler	250	92.8	157	04-28	94.0	156	10-13	-1.2
09N03E17CDD1	Millard Carter	245	87.3	158	04-28	88.5	157	10-13	-1.2
09N04E33ADB1	Anne Quessenberry	205	23.8	181	04-27	24.5	181	10-07	- .7
09N05E32BDB1	Elizabeth Johnston	210	26.0	184	04-27	26.5	184	10-07	- .5
DESHA COUNTY									
07S01E19ABA1	Brooks Griffin	154	--	--	--	20.0	134	10-07	--
09S01W08BDA1	Adcock	151	18.0	133	04-27	22.0	129	09-30	-4.0
09S02W17CBC1	Beegle	153	19.0	134	03-21	23.0	130	10-21	-4.0
09S02W20DAC1	Spainhouer	152	22.0	130	04-23	25.0	127	10-07	-3.0
09S03W35CCA1	Shea	155	36.0	119	04-01	36.0	119	10-07	.0
09S04W02CDA1	Walt Brothers	163	31.0	132	03-31	38.0	125	09-30	-7.0
10S01W23DBC1	Simpson	146	7.00	139	04-27	20.0	126	09-30	-13.0
10S02W11ADD1	Singleton	148	14.0	134	03-31	20.0	128	09-30	-6.0
10S02W23DBC1	Baxter	153	26.0	127	04-02	28.0	125	09-30	-2.0
10S04W08BDA1	Stimson	162	15.0	147	03-31	23.0	139	10-07	-8.0
11S02W15BAD1	Tucker (Wolfe Estate)	148	25.0	123	03-31	30.0	118	09-30	-5.0
11S02W31DAA1	Johnson	147	13.0	134	03-31	18.0	129	10-22	-5.0
13S02W05CDC1	Gilliam	146	36.0	110	04-29	40.0	106	10-22	-4.0
13S02W05CDD1	Gilliam	146	36.0	110	04-29	39.0	107	10-21	-3.0
13S02W32DBD1	Deltic	135	31.0	104	04-29	35.0	100	10-21	-4.0
13S03W11CAB1	McDonald	142	37.0	105	04-02	43.0	99	10-22	-6.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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	
DREW COUNTY									
11S04W31ABC1	Peterson	152	8.3	144	04-08	10.3	142	10-16	-2.0
12S04W25ABC1	Powell	140	22.0	118	04-29	26.0	114	10-22	-4.0
12S04W25DBB1	Houge	147	23.0	124	04-22	27.0	120	10-16	-4.0
12S05W04AAB1	R.D. Jones	182	32.9	149	04-22	33.9	148	10-16	-1.0
13S04W09ACD1	Tabor	145	13.4	132	04-22	14.4	131	10-16	-1.0
13S04W29CAB1	Ogles	135	7.4	128	04-22	12.0	123	10-16	-4.6
13S06W21DAA1	Reinhart	207	68.0	139	04-22	72.0	135	10-19	-4.0
14S04W03ADD1	Pamplin	149	18.0	131	04-22	21.0	128	10-16	-3.0
14S04W05CBA1	Henke	134	9.6	124	04-22	9.9	124	10-19	- .3
14S04W08CAD1	Bates	130	6.0	124	04-22	6.0	124	10-19	.0
14S04W22CAA1	Dennington	135	12.2	123	04-22	12.2	123	10-16	.0
GREENE COUNTY									
16N02E12AAB1	Carl Phillips	260	33.7	226	04-00	35.7	224	10-09	-2.0
16N05E27DBB1	McLaughlin	285	14.0	271	04-21	18.3	267	10-22	-4.3
16N06E09AAC1	Williamson	255	50.0	205	04-21	39.2	216	10-22	10.8
16N06E21BBA1	Wells	250	23.0	227	04-21	28.5	222	10-22	-5.5
17N03E28CDB1	Dulaney	260	19.3	241	04-22	21.0	239	10-27	-1.7
17N03E28DCD1	Gillman	270	24.1	246	04-22	26.8	243	10-27	-2.7
17N03E29ABB1	Jumper	255	19.8	235	04-22	20.2	235	10-27	- .4
17N06E15ABB1	Boggs	263	26.3	237	04-23	31.8	231	10-26	-5.5
17N06E22CBA1	Frankum	265	32.5	233	04-21	34.1	231	10-28	-1.6
17N07E03CCC1	Alexander	245	6.0	239	04-23	10.2	235	10-28	-4.2
17N07E290BB1	Thomas	244	4.5	240	04-23	8.0	236	10-28	-3.5
18N07E17BAB1	Lewis	260	5.0	255	04-21	10.8	249	10-26	-5.8
18N08E29CBA1	Hill	250	4.7	245	04-23	5.5	245	10-28	- .8
19N04E30DBB1	Daughhettee	276	24.0	252	04-22	25.5	251	10-27	-1.5
19N05E34BDD1	Lange	282	25.0	257	04-23	25.8	256	10-27	- .8

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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)		
INDEPENDENCE COUNTY									
11N04W02ABB1	Jerry Roberson	237	9.5	03-24	228	19.8	09-29	217	-10.3
12N05W36AAA1	Don Kramer	235	14.2	03-24	221	20.2	09-29	215	-6.0
14N03W12CCB1	Laverne Dickey	231	.7	03-24	230	9.1	09-29	222	-8.4
14N03W14CBB1	Jim Barnett	228	1.5	03-24	227	3.8	09-29	224	-2.3
JACKSON COUNTY									
09N01W15DDD1	M.P. Murphee	222	42.4	04-23	180	46.6	10-07	175	-4.2
09N01W30BAC1	Calvin Fields	210	31.9	04-22	178	34.8	10-07	175	-2.9
09N02W14CAA1	Peter Guinn	214	--	--	--	14.0	10-29	200	--
09N02W32BBB1	B.J. Hardin	224	21.9	04-23	202	23.9	10-07	200	-2.0
09N02W32BBB2	B.J. Hardin	227	21.9	04-23	205	23.9	10-06	203	-2.0
10N01W02CCB1	W.E. Jackson	230	49.0	04-21	181	--	--	--	--
10N01W05ADD1	Charlie McCartney	227	35.3	04-22	192	36.1	10-07	191	-.8
10N01W10ABA1	Johnson Farm	220	45.1	04-22	175	46.2	10-07	174	-1.1
10N01W14CAA1	J. Winemiller	228	50.0	04-21	178	57.0	10-06	171	-7.0
10N01W22ADA1	J. Kieffer	224	49.3	04-22	175	51.0	10-07	173	-1.7
10N03W11ADB1	Oscar Turner	214	3.5	04-23	211	--	--	--	--
10N03W30CAB1	Kenny Falwell	222	20.1	04-23	202	24.1	10-07	198	-4.0
11N01W25BBC1	Davis Brothers	231	54.8	04-22	176	57.0	10-07	174	-2.2
11N02W09ABB1	Haigwood	233	22.3	04-21	211	23.0	10-06	210	-.7
11N02W23DDD1	J.D. Huey	226	19.4	04-22	207	21.3	10-07	205	-1.9
11N03W12DDD1	Haigwood Brothers	227	26.0	04-23	201	16.0	10-07	211	10.0
11N03W18CCC1	Rutledge Brothers	218	10.9	04-23	207	23.8	10-07	194	-12.9
12N01W11BCB1	Joe Edwards	233	27.4	04-21	206	29.5	10-06	204	-2.1
12N01W14CCB1	Bill Phillips	233	27.0	04-23	206	30.0	10-07	203	-3.0
12N01W30CCC1	Floyd Coleman	226	22.5	04-21	204	24.5	10-06	202	-2.0
12N01W36BCC1	W.R. Loftin	236	41.8	04-21	194	43.6	10-06	192	-1.8
13N01W23BCB1	Tinsley	243	33.5	04-21	210	35.4	10-06	208	-1.9
13N02W10DDA1	Dale Baughn	246	17.0	04-21	229	18.0	10-06	228	-1.0
13N02W34CBB1	James Young	240	13.0	04-21	227	14.0	10-06	226	-1.0
13N03W15DCA1	Taylor Estate	235	15.2	04-23	220	18.7	10-06	216	-3.5

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			Net change (feet)
			Measurement of depth to water below land surface (feet)	Altitude of water level (feet)	Date	Measurement of depth to water below land surface (feet)	Altitude of water level (feet)	Date	
JACKSON COUNTY--Continued									
13N03W36ABB1	S. Graham	235	10.8	224	04-23	14.2	221	10-06	-3.4
14N01W01CCD1	Dillin	248	31.7	216	04-21	35.5	213	10-06	-3.8
14N01W08AAA1	Lynn Nicholson	253	25.1	228	04-21	26.1	227	10-06	-1.0
14N01W19BBB1	W.D. Hulett	245	22.8	222	04-21	23.9	221	10-06	-1.1
14N01W26CBB1	Leo Saenger	247	32.6	214	04-21	33.8	213	10-06	-1.2
14N01W33CCD1	Benny Templeton	247	28.6	218	04-21	30.2	217	10-06	-1.6
14N02W12DAA1	W.I. Rainwater	251	22.9	228	04-21	23.6	227	10-06	- .7
14N02W22BBC1	George Bradley	250	21.8	228	04-21	22.4	228	10-06	- .6
JEFFERSON COUNTY									
03S07W36ACC1	Ned Brown	185	21.5	164	05-04	23.5	162	10-19	-2.0
03S09W14BCD1	Tucker Estate	224	31.0	193	05-04	33.0	191	10-19	-2.0
03S09W27AAA1	Tucker Estate	222	38.5	184	05-04	38.0	184	10-19	.5
03S09W36ACC1	Payne Estate	215	27.5	188	05-04	29.3	186	10-19	-1.8
03S10W26DAD2	Bennett	215	14.0	201	05-04	18.0	197	10-19	-4.0
04S07W35DDB1	Mark Shelton	185	18.0	167	05-04	19.0	166	10-19	-1.0
04S08W33DBB1	Elms	212	27.5	185	05-04	25.3	187	10-19	2.2
04S09W01DAA2	J. Blair	213	25.5	188	05-04	29.5	184	10-19	-4.0
04S09W32DCB1	J. Blair	215	20.0	195	05-04	24.0	191	10-19	-4.0
05S07W35CDD2	Prudential	195	12.5	183	05-04	19.0	176	10-19	-6.5
07S07W18AAD1	C.H. Triplett	188	13.0	175	04-29	15.5	173	10-26	-2.5
LAWRENCE COUNTY									
15N01E11DAA1	Truman Goodson	255	34.1	221	04-00	33.6	221	10-09	0.5
15N01E23DAD1	J.B. Loren	250	34.4	216	04-00	32.2	218	10-09	2.2
15N01E32AAB1	Ervin Blanchard	255	44.8	210	04-00	43.8	211	10-07	1.0
15N01W03BAB1	Lance Phillips	259	35.3	224	04-00	31.7	227	10-08	3.6
15N01W23BCD1	Joel Teel	255	34.9	220	04-00	35.7	219	10-07	- .8

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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
LAWRENCE COUNTY--Continued										
15N01W30AAA1	Laddie Allen	254	25.5	04-00	229	26.2	10-07	228	-0.7	
15N02E10BBD1	D.B. White	247	21.7	04-00	225	25.7	10-09	221	-4.0	
16N01E29BBA1	Stan Jones	261	36.0	04-00	225	33.8	10-07	227	2.2	
16N01E30DCC1	Sylvia Rainwater	260	38.6	04-00	221	38.6	10-07	221	.0	
16N01E35AAA1	Melton Todd	256	35.4	04-00	221	36.9	10-09	219	-1.5	
16N01W30DDC1	Casey Phillips	255	17.3	04-00	238	22.7	10-08	232	-5.4	
16N02E09AAD1	James F. Sloan	261	30.6	04-00	230	32.2	10-08	229	-1.6	
16N02E19ACA1	Belk Farms	260	31.5	04-00	229	34.4	10-08	226	-2.9	
16N02E34CBA1	Raymond Covey	255	32.3	04-00	223	36.2	10-07	219	-3.9	
17N01E02BBA1	Tribo Farms, Inc.	260	8.6	04-00	251	9.9	10-08	250	-1.3	
17N01E21CAC1	J.D. Beary	265	14.3	04-00	251	18.5	10-09	247	-4.2	
17N01E27AAA1	W.A. Wilson Jr.	270	26.6	04-00	243	27.7	10-09	242	-1.1	
17N01W26BCB1	Bennett Hart	260	11.9	04-00	248	19.0	10-08	241	-7.1	
17N01W36AAB1	Raymond Jones	257	6.3	04-00	251	10.5	10-08	247	-4.2	
17N02E04ADD1	Wilson Crisler	270	31.4	04-00	239	31.8	10-08	238	-.4	
17N02E19CDD1	Tom Hilburn	265	30.0	04-00	235	33.4	10-08	232	-3.4	
17N02E21AAC1	Smith Painting Co.	268	32.3	04-00	236	34.3	10-08	234	-2.0	
17N02E25CBD1	Delphine Connelly	265	26.2	04-00	239	28.2	10-08	237	-2.0	
LEE COUNTY										
01N01E04AAB1	John Fricker	175	15.5	04-23	160	22.0	10-15	153	-6.5	
01N01E09CCC1	V.W. Williams	175	20.5	04-23	155	26.3	10-13	149	-5.8	
01N01E24CBA1	James Key	185	10.0	04-23	175	13.8	10-13	171	-3.8	
01N02E01DDD1	Bill Gerrard	205	17.0	04-28	188	25.5	10-21	180	-8.5	
01N02E09BBA2	Alex Palmer	200	17.0	04-23	183	25.0	10-21	175	-8.0	
01N02E12ABB1	Bill Gerrard	205	15.3	04-23	190	26.5	10-21	179	-11.2	
01N02E22CAA1	Jimmy Manley	200	20.4	04-17	180	27.0	10-13	173	-6.6	
01N02E33CBB1	Eugene Hindlsey	185	8.9	04-17	176	14.7	10-13	170	-5.8	
01N02E33CCB1	A.B. Thompson	185	7.6	04-17	177	14.3	10-13	171	-6.7	
01N03E27ADD1	Bobby Hoard	204	6.8	04-14	197	13.2	10-13	191	-6.4	
02N01E18CBD1	Wesley Harvey	185	29.5	04-23	156	33.2	10-15	152	-3.7	

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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	
LEE COUNTY--Continued									
02N01E21BAA1	John Dozier	189	20.9	168	04-23	26.0	163	10-15	-5.1
02N01E23ABA1	J.N. Bickerstaff	200	40.0	160	04-23	41.5	159	10-15	-1.5
02N01W34DDC1	A.J. Harvey	180	--	--	--	43.0	137	10-15	--
02N02E22BBB1	Jimmy Manley	200	22.8	177	04-13	28.0	172	10-15	-5.2
02N02E36DDC1	Jane Cloyd	205	18.0	187	04-28	24.5	181	10-21	-6.5
02N03E09DDD1	Bill Gerrard	220	45.8	174	04-03	51.0	169	10-21	-5.2
02N03E29CAA1	Lowell Parten	215	30.5	185	04-08	41.0	174	10-15	-10.5
02N03E33DCD1	Alex Palmer	205	30.0	175	04-28	35.0	170	10-21	-5.0
02N04E03ABD1	Lou Mann	185	23.0	162	04-02	24.0	161	10-21	-1.0
03N01E03CBC1	Derward Byrd	205	52.5	153	04-07	53.5	152	10-15	-1.0
03N01E17ADC1	Derward Byrd	200	58.6	141	04-07	--	--	--	--
03N01E32BBC1	Harlan Wilson	200	51.0	149	04-07	52.5	148	10-15	-1.5
03N02E21CCC1	George Ballard	209	42.8	166	04-09	44.5	165	10-15	-1.7
03N03E05CBC1	Buddy Whitehead	210	39.0	171	04-02	40.0	170	10-15	-1.0
03N03E11DCB1	Faye Bullard	225	50.2	175	04-02	--	--	--	--
03N03E18DAB1	Trent Felton	175	20.0	155	04-03	24.0	151	10-15	-4.0
03N04E07CBB1	Mike Vaccaro	200	25.7	174	04-02	30.7	169	10-21	-5.0
03N05E03ADB1	W.H. Daggett	197	18.4	179	04-02	32.0	165	10-21	-13.6
03N05E26ADC1	Ray Dawson	185	5.9	179	04-23	9.5	176	10-21	-3.6
LINCOLN COUNTY									
07S06W03CCA2	Katie Wood	190	15.0	175	04-28	17.0	173	10-22	-2.0
07S07W36CBD1	Joe Newton	185	27.0	158	04-28	26.0	159	10-22	1.0
08S04W06ACB1	Robert Adcock	174	8.0	166	04-29	11.0	163	10-22	-3.0
08S04W28CAB1	T.J. Cox	166	37.0	129	04-29	31.0	135	10-22	6.0
08S05W12DBA1	R.L. Rogers	171	17.0	154	04-29	19.0	152	10-22	-2.0
08S05W21DCD1	Joel Garner	174	23.0	151	04-29	23.0	151	10-22	.0
08S05W29ABC1	Elmer West	176	31.0	145	04-29	32.0	144	10-22	-1.0
08S05W32DCC1	Sue Halter	174	30.0	144	04-29	32.0	142	10-22	-2.0
09S04W06CBB1	Prudential Life	163	--	--	--	26.0	137	10-22	--
09S05W34BBD1	A.V. Stimson	171	24.0	147	04-28	23.0	148	10-22	1.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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)	
LINCOLN COUNTY--Continued									
09S06W04BDD1	Tom Cogbill	180	29.0	04-29	151	29.0	10-22	151	0.0
09S06W14ACA1	E.F. Freeman	175	26.0	04-29	149	27.0	10-22	148	-1.0
09S06W23BCD1	E.F. Freeman	175	25.0	04-29	150	22.0	10-22	153	3.0
09S06W24DAA1	G.D. Smith	177	25.0	04-29	152	25.0	10-22	152	.0
LONOKE COUNTY									
01N07W07ABB2	Russell Schenebeck	227	108.2	04-15	119	111.8	10-21	115	-3.6
01N07W33BCB1	Ward and Stratton	213	91.0	04-16	122	94.2	10-21	119	-3.2
01N08W03DDA1	Winrock Farms	230	114.0	04-15	116	117.3	10-21	113	-3.3
01N09W25BAA1	Aeries, Inc.	228	73.5	04-16	155	75.7	10-21	152	-2.2
01N10W12ABB1	Carl Stecks	240	31.2	04-16	209	32.6	10-22	207	-1.4
01N10W15CDA1	Dortch	241	17.2	04-16	224	25.4	10-22	216	-8.2
01S06W16CCC1	Belcher	207	81.1	04-16	126	82.1	10-21	125	-1.0
01S06W32BBB1	Bowlan	201	66.7	04-16	134	68.4	10-21	133	-1.7
01S07W02CAA1	W.R. Rouse	210	85.8	04-16	124	88.1	10-21	122	-2.3
01S08W16DCC1	Lastar	216	65.1	04-16	151	67.0	10-21	149	-1.9
01S09W36CCC1	Marvin Burgess	220	49.8	04-16	170	51.0	10-21	169	-1.2
01S10W15BBB1	Travelers	238	18.6	04-15	219	23.7	10-22	214	-5.1
02N07W07DAA1	R.M. Elliot	232	112.5	04-15	120	115.5	10-22	117	-3.0
02N08W23DDB1	Jim Kittler	229	111.6	04-15	117	121.2	10-21	108	-9.6
02N09W18ABC1	Finley Farms	261	74.6	04-15	186	75.6	10-22	185	-1.0
02N10W14BBD1	Marcus Rye	238	36.4	04-16	202	--	--	--	--
02N10W15ACC1	Townsend	242	28.4	04-21	214	30.4	10-22	212	-2.0
02N10W24DBA1	McCrarty	237	44.1	04-15	193	46.3	10-22	191	-2.2
02N10W36BDC1	Prudential	243	37.4	04-16	206	39.6	10-22	203	-2.2
02S07W02BBC1	Louise Tebbets	224	51.0	04-16	173	52.0	10-21	172	-1.0
02S07W07AAD1	Johnson	207	54.0	04-15	153	58.0	10-21	149	-4.0
02S08W22CCC1	Ida Walls	216	55.3	04-16	161	55.0	10-07	161	.3
02S09W22AAA1	Capps	228	58.9	04-16	169	59.0	10-22	169	-.1
02S09W30DCC1	Sunderman	228	35.3	04-16	193	35.4	10-07	193	-.1

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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	

LONOKE COUNTY--Continued									
03N07W27ABA2	Young's Farms, Inc.	230	80.5	04-16		--	--	--	--
03N07W32CCD2	Kenneth Gosney	240	103.2	04-15		108.7	131	10-21	-5.5
03N08W26CDC1	Don & Ron Schafer	235	92.4	04-15		96.4	139	10-21	-4.0

MISSISSIPPI COUNTY									
10N08E21ABA1	Bob Pugh	224	18.2	04-10	206	19.1	205	10-02	-0.9
10N08E21ABC1	Bob Pugh	224	19.3	04-10	205	20.0	204	10-02	- .7
11N10E09BCA1	Lowrance Brothers	230	12.6	04-10	217	15.1	215	10-02	-2.5
12N08E27CAB1	Bond Brothers	225	11.0	04-10	214	15.0	210	10-02	-4.0
12N09E12ABA1	Harold Senter	234	9.0	04-10	225	15.8	218	10-02	-6.8
12N10E04CAA1	R.B. Holthouse	235	5.0	04-10	230	13.1	222	10-02	-8.1
12N10E07BCD1	Charles Robinson	239	9.5	04-10	230	16.5	223	10-02	-7.0
12N10E21DBA1	Charles Standefer	236	10.4	04-10	226	15.0	221	10-02	-4.6
13N08E24ABB1	Ira G. Ashley	230	9.4	04-10	221	11.3	219	10-02	-1.9
14N08E20DAA1	Adams Land Co.	225	3.3	04-10	222	5.0	220	10-02	-1.7
14N11E17CCB1	E.L. Parks	230	3.0	04-10	227	5.1	225	10-02	-2.1
14N11E33DBB1	Ann Goetsch	240	5.0	04-10	235	9.5	231	10-05	-4.5
14N11E33DBB1	Mike McCarty	240	10.0	04-03	230	14.8	225	10-05	-4.8
15N10E21ABC1	Joe Dilldine	240	10.5	04-07	230	12.5	228	10-05	-2.0
15N12E01BCD1	Amorel Planting Co.	258	10.6	04-03	247	12.5	246	10-02	-1.9
16N10E28BBD1	R.D. Hughes	240	10.7	04-03	229	14.1	226	10-02	-3.4

MONROE COUNTY									
01N01W03CDB1	Edgar Fowler	185	30.7	04-23	154	38.0	147	10-19	-7.3
01N02W14DD1	Ferrill Martin	180	15.6	04-28	164	18.1	162	10-20	-2.5
01N02W19BCB1	Don Pettigrew	180	16.1	04-29	164	17.2	163	10-20	-1.1
01N03W23BAD1	Corrine Nelson	170	8.8	04-28	161	11.5	159	10-22	-2.7
01S01W16DB	Allen Walls	175	14.1	04-28	161	14.3	161	10-22	- .2

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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)	
MONROE COUNTY--Continued									
01S02W20BBB1	J.T. Richardson	170	6.9	04-28	163	9.9	10-22	160	-3.0
01S03W20CCD1	Don Davis	210	68.9	04-29	141	72.2	10-23	138	-3.3
02N01W19ADD1	A.J. Brizzolara	190	39.6	04-29	150	42.5	10-19	148	-2.9
02N03W35CDA1	Bill Davis	185	27.4	04-29	158	33.4	10-19	152	-6.0
02S01W01BCD1	Larry Coleman	175	14.1	04-28	161	14.1	10-19	161	.0
02S01W11DBB1	Allen Walls	170	14.0	04-28	156	13.9	10-22	156	.1
04N02W01BCC1	Fred Oxner	195	30.9	04-29	164	33.4	10-19	162	-2.5
04N02W05AAA1	D.R. Parsley	185	11.4	04-29	174	14.3	10-19	171	-2.9
PHILLIPS COUNTY									
01S01E20DDB1	Dennis Storey	185	12.0	04-21	173	19.2	10-06	166	-7.2
01S02E09BDC	Ronald Storey	185	9.0	04-21	176	11.0	10-06	174	-2.0
01S02E32BCC1	Joe Kemmer	200	30.0	04-21	170	34.0	10-06	166	-4.0
01S03E02ADD1	Nix Bros.	200	11.5	04-21	189	17.5	10-06	183	-6.0
01S03E10ABB1	Henry Heidelberg	205	13.0	04-21	192	17.0	10-06	188	-4.0
01S03E20BDD1	W.A. Smith	210	29.0	04-21	181	33.0	10-06	177	-4.0
01S04E05DCD1	J.W. Webb	230	45.0	04-21	185	46.5	10-06	184	-1.5
02S02E29DDD1	J.A. Hill	180	24.0	04-21	156	28.4	10-06	152	-4.4
02S02E33ACC1	James Yancey	177	25.0	04-21	152	27.1	10-06	150	-2.1
02S03E34BCD1	Buck Ward	165	16.0	04-21	149	15.0	10-06	150	1.0
02S04E27ACC1	W.A. Bailey	175	9.0	04-21	166	11.8	10-06	163	-2.8
03S04E02CAA1	Buron Griffin	176	12.5	04-21	164	15.5	10-06	161	-3.0
04S01E01AAD1	Steve Cannon	156	11.0	04-21	145	12.0	10-07	144	-1.0
04S01E14CDD1	Don Warren	155	12.5	04-21	143	14.0	10-07	141	-1.5
04S01E29C	J.B. Lambert, III	150	--	--	--	12.5	10-07	138	--
04S02E01DBB1	Steve Cannon	163	12.0	04-21	151	13.1	10-07	150	-1.1
05S01E26ADC1	Jim Bush	160	13.0	04-21	147	--	--	--	--

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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)	
POINSETT COUNTY									
10N01E02AA	Paul Wolf	235	81.5	03-10	154	82.0	10-07	153	-0.5
10N01E10DAB1	Charlie Dale	236	82.5	03-05	154	83.0	10-07	153	- .5
10N01E32CBB1	Anderson Weld	222	40.0	03-05	182	41.0	10-07	181	-1.0
10N01E33ABB1	Eddie Wright	220	62.0	03-05	158	63.0	10-07	157	-1.0
10N01E34ADA1	Eddie Wright	230	81.0	03-05	149	--	--	--	--
10N02E02CB	Jack Knapple	235	64.0	03-05	171	61.0	10-07	174	3.0
10N02E13BCC1	Danny Clements	237	89.0	03-05	148	90.0	10-07	147	-1.0
10N02E20BAB1	Beal	237	85.5	03-05	152	85.5	10-07	152	.0
10N03E29BBC1	Wallace	236	81.0	03-05	155	81.5	10-06	155	- .5
10N04E26CBC1	Sonny Bonds	220	17.0	03-10	203	19.5	10-07	201	-2.5
11N01E21DDC1	Fullbright	232	65.0	03-05	167	66.0	10-07	166	-1.0
11N01E34CA	Paul Wolf	235	72.0	03-10	163	74.0	10-07	161	-2.0
11N02E10CB	Joe Guziewicz	245	101.0	03-05	144	103.0	10-08	142	-2.0
11N02E30BBB1	Sonny Wolf	239	92.0	03-05	147	91.0	10-07	148	1.0
11N02E34CB	Claude Heeb	240	95.0	03-05	145	96.0	10-07	144	-1.0
11N03E11DDD1	Larry Bryan	262	114.0	03-05	148	114.0	10-09	148	.0
11N03E13CAA1	Lafarel Wess	270	112.8	03-05	157	112.5	10-08	158	.3
11N04E23CBC1	Mrs. Earl Whitaker	215	20.5	03-10	195	23.0	10-06	192	-2.5
11N04E36ABA1	Hyneman	211	14.0	03-10	197	16.0	10-06	195	-2.0
12N01E22DAB1	Vernon Walker	235	61.0	03-05	174	64.0	10-07	171	-3.0
12N02E10CB	Rex Downing	245	105.0	03-05	140	--	--	--	--
12N02E25DCC1	Wimpy Farms	245	100.0	03-05	145	101.0	10-08	144	-1.0
12N02E34CC	Elmer Cooper	245	95.0	03-05	150	96.0	10-08	149	-1.0
12N03E01CCA1	Skip Covington	250	80.7	03-05	169	81.5	10-08	169	- .8
12N03E04DAD1	Hall	248	90.0	03-05	158	91.0	10-08	157	-1.0
12N04E08DA	Doug Wittingham	250	76.0	03-10	174	77.5	10-08	173	-1.5
12N04E15AAA1	B.L. Evans	225	21.0	03-10	204	22.5	10-06	203	-1.5
12N05E16AAA1	L.B. Terry	221	8.5	03-10	213	11.0	10-06	210	-2.5
12N06E31ADD1	Charles Woodruff	218	8.0	03-10	210	10.5	10-06	208	-2.5
12N07E10CBB1	Weems	220	11.0	03-10	209	14.5	10-06	206	-3.5

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992		Fall 1992		Net change (feet)
			Measurement of depth to water below land surface	Altitude of water level (feet)	Measurement of depth to water below land surface	Altitude of water level (feet)	
PRAIRIE COUNTY							
01N06W28	Uhiren Farm	221	107.9	03-23	113	--	--
01N06W34	Eddie Lisko	223	105.8	03-23	117	107.0	116
01S04W28	Ray Vester	206	95.3	03-23	111	95.7	110
03N05W05	Jerry DeVorak	212	70.2	03-24	142	72.1	140
04N05W13	Delta Trust	210	65.6	03-24	144	65.9	144
04N05W14	Buck Uland	205	30.6	03-23	174	34.9	170
04N05W27	Skarda Farms	205	52.5	03-23	153	53.4	152
04N06W08	Reuben Kennedy	202	54.4	03-23	148	54.8	147
04N06W09	M.V. Owens	204	54.7	03-23	149	55.0	149
04N07W33	Mickey Graham	254	91.0	03-24	163	91.7	162
05N05W23	V.O. Calhoun	200	34.0	03-23	166	35.1	165
05N05W25	M. Calhoun	185	11.6	03-24	173	21.4	164
05N05W28	F. Calhoun	192	27.3	03-24	165	29.3	163
RANDOLPH COUNTY							
18N01E01ABAI	John Bennett	266	8.0	04-30	258	19.0	247
18N01E13BAB1	Lamb Bros.	266	12.1	04-30	254	12.7	253
18N01E25BAB1	Mrs. D.W. Fender	265	10.9	04-30	254	13.9	251
18N01E27D	Fender	259	12.0	05-01	247	--	--
18N01E28BAC1	Sherman Jones	259	9.8	04-30	249	22.3	237
18N01E29BAA1	B.R. James	255	15.9	05-01	239	14.2	241
18N01E34CCD1	J.D. Blankenship	262	13.1	04-30	249	15.5	247
18N02E02CBA1	Terry Robinette	277	19.6	05-01	257	27.4	250
18N02E06BDB1	B.R. James	265	8.9	04-30	256	17.0	248
18N02E14BCB1	S. Morgan	274	20.7	05-01	253	--	--
18N02E17CBB1	Milton Lemmons	265	8.0	04-30	257	12.1	253
18N02E20BAA1	B.R. James	275	22.1	05-01	253	23.4	252
18N02E21CAA1	Bobby Crisler	273	22.9	05-01	250	28.1	245
18N02E25CAB1	A. Ford Estate	270	21.3	05-01	249	19.7	250
18N02E26CBA1	B.R. James	273	30.9	04-30	242	--	--
18N02E27CAB1	B. French	271	24.0	04-30	247	22.5	249

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			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)	
RANDOLPH COUNTY--Continued									
18N02E32ABB1	Bobby Crisler	271	21.7	05-01	249	26.7	10-21	244	-5.0
19N02E04ADD1	Carlton Thraesch	267	4.1	04-30	263	17.1	10-07	250	-13.0
19N02E09ABA1	Bernard Baltz	266	3.4	04-30	263	11.9	10-07	254	-8.5
19N02E22DAD1	Alan Rodgers	265	--	--	--	11.5	10-07	254	--
20N02E01DAC1	Dan Joe Wren	281	7.1	05-01	274	17.2	10-07	264	-10.1
20N02E12BAA1	Lamb	280	6.9	04-30	273	13.7	10-07	266	-6.8
20N02E14ADA1	Bill Johnston	274	5.9	05-01	268	17.0	10-07	257	-11.1
20N02E28BCD1	Dan Joe Wren	269	10.0	04-30	259	10.1	10-07	259	- .1
20N03E06DAC1	Dan Joe Wren	280	5.1	04-30	275	21.5	10-07	259	-16.4
20N03E07AAD1	Dan Joe Wren	281	9.7	04-30	271	19.5	10-07	262	-9.8
20N03E29CBC1	Lamb Brothers	280	16.4	04-30	264	24.5	10-07	256	-8.1
20N03E33CAC1	Lamb Brothers	287	20.5	04-30	267	--	--	--	--
20N03E33CCA1	Lamb Brothers	287	15.9	04-30	271	19.5	10-07	268	-3.6
ST FRANCIS COUNTY									
04N01W20BBB1	McKinney Dixon	200	51.0	04-29	149	58.5	10-27	142	-7.5
04N01W25DBC1	Libbie Pleasants	205	63.0	04-29	142	63.0	10-27	142	.0
04N02E20ACC1	Earl Gore	210	50.0	04-28	160	50.0	10-27	160	.0
04N04E15ABA1	Lakeside Farms	200	31.0	04-24	169	34.0	10-27	166	-3.0
05N01E04BBA1	C.E. West	210	61.5	04-23	149	56.0	10-27	154	5.5
05N01E06DAD1	Freda Hardin	211	59.0	04-23	152	59.5	10-27	152	- .5
05N05E21CBA1	Sid Fogg	195	--	--	--	29.0	10-27	166	--
05N06E05BBB1	W.C. Casey	195	24.5	04-24	171	33.0	10-27	162	-8.5
06N01E23BDC1	Pine Tree Experiment Station	210	57.0	04-23	153	59.0	10-28	151	-2.0
06N02E16CCB1	John Drury	210	50.5	04-23	160	54.0	10-27	156	-3.5
06N02E18BAA1	Calvin Frazier	210	58.0	04-23	152	57.0	10-27	153	1.0
06N04E36CDC1	David Blaylock	200	31.5	04-24	169	40.5	10-27	160	-9.0
06N06E20AAA1	Steve Bernard	205	23.0	04-24	182	27.0	10-27	178	-4.0

Table 1.--Water levels in wells completed in the alluvial aquifer, spring 1992 and fall 1992--Continued

Location	Land owner	Altitude of land surface (feet above sea level)	Spring 1992			Fall 1992			Net change (feet)	
			Measurement of depth to water below land surface	Altitude of water level (feet)	Feet	Date	Measurement of depth to water below land surface	Altitude of water level (feet)		Feet
WHITE COUNTY										
06N04W07BBC1	V. Johnston	205	17.2	05-01	188	16.9	10-19	188	0.3	
06N06W04BAB1	E. Vaughn	221	41.8	05-01	179	41.0	10-19	180	.8	
06N06W13BAD1	B. Duch	213	40.9	05-01	172	44.6	10-19	168	-3.7	
06N06W18BCA1	C. Powell	210	24.0	05-01	186	28.0	10-19	182	-4.0	
WOODRUFF COUNTY										
05N01W03ACA1	Ashburn	215	52.4	04-21	163	53.2	10-19	162	-.8	
05N01W13DDC1	Melvin	210	63.8	04-21	146	62.8	10-14	147	1.0	
05N01W31BCB1	Wilks	210	51.6	04-21	158	53.1	10-19	157	-1.5	
05N03W25DDB1	McMullan	190	9.1	04-21	181	12.1	10-19	178	-3.0	
05N03W31CBA1	Gardner	178	3.7	04-21	174	9.8	10-19	168	-6.1	
06N02W19AAA1	Marsh	225	42.9	04-21	182	44.7	10-19	180	-1.8	
06N04W22BDA1	Rodgers	186	3.8	04-21	182	9.3	10-19	177	-5.5	
07N01W04DBB1	Childress	225	59.5	04-21	166	52.0	10-19	173	7.5	
07N02W16DBB1	Burkett	206	18.5	04-21	188	20.2	10-19	186	-1.7	
07N03W05ACA1	Bowen	213	18.1	04-21	195	22.3	10-19	191	-4.2	
07N03W06DBB1	Sloan Valve	212	17.1	04-22	195	18.4	10-19	194	-1.3	
07N03W31BBA1	Gregory	200	10.9	04-21	189	12.5	10-19	188	-1.6	
08N01W06CCD1	Myers	220	32.8	04-21	187	35.3	10-19	185	-2.5	
08N01W10AAA1	Young	211	41.0	04-21	170	39.5	10-19	172	1.5	
08N02W15ACA1	Jelks	209	14.8	04-23	194	18.0	10-19	191	-3.2	
08N02W27DDC1	Swanson	213	19.8	04-21	193	21.5	10-19	192	-1.7	
09N03W21DBD1	Dale	220	12.5	04-23	208	15.5	10-19	205	-3.0	
09N03W24DBC1	Rouse	212	3.2	04-23	209	7.3	10-19	205	-4.1	
09N03N32ACA1	Fitzhugh	217	10.5	04-23	207	--	--	--	--	