

GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER  
IN EASTERN ARKANSAS, 1986

By Maria Plafcan

---

U.S. GEOLOGICAL SURVEY

Open-File Report 87-545



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

Little Rock, Arkansas

1987

DEPARTMENT OF THE INTERIOR  
DONALD PAUL HODEL, Secretary  
U.S. GEOLOGICAL SURVEY  
Dallas L. Peck, Director

---

For additional information  
write to:

District Chief  
U.S. Geological Survey, WRD  
2301 Federal Office Building  
Little Rock, Arkansas 72201

Copies of this report can  
be purchased from:

U.S. Geological Survey  
Books and Open-File Report Section  
Federal Center,  
Box 25425  
Denver, Colorado 80225

## CONTENTS

	Page
Abstract.....	1
Introduction.....	2
Description of table.....	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 1986 and fall 1986.....	8
---	---

## CONVERSION FACTORS

For use of readers who prefer to use metric (International System) units, rather than the inch-pound units used in this report, the following conversion factors may be used:

<u>Multiply inch-pound unit</u>	<u>By</u>	<u>To obtain metric unit</u>
foot (ft)	0.3048	meter (m)
billion gallon per day (billion gal/d)	0.00004381	cubic meter per second ( $\text{m}^3/\text{s}$ )

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 both the United States and Canada, formerly call "Mean Sea Level of 1929."

GROUND-WATER LEVELS IN THE ALLUVIAL AQUIFER  
IN EASTERN ARKANSAS, 1986

By Maria Plafcan

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 512 wells tapping the Mississippi River Valley alluvial aquifer of eastern Arkansas. The measurements were made by district Soil Conservation Service personnel during 1986. The purpose of this report is to provide these data to other State and Federal agencies as well as to private landowners.

The shallowest pre-pumping water levels occurred in Clay, Independence, Mississippi, and Randolph Counties where the average depth to water was 15 feet or less. The deepest water levels occurred in interstream areas where ground-water withdrawals were the greatest. Water levels of 100 feet or greater below land surface were measured in Arkansas, Cross, Lonoke, Poinsett, and Prairie Counties. Water-level measurements made during the post-pumping (recovery) season averaged about 3 feet less than those made during the pre-pumping season.

## INTRODUCTION

The Mississippi Alluvial Plain of eastern Arkansas (fig. 1) is a predominantly agricultural part of the State that relies on ground water for irrigation. The principal source of freshwater is from an aquifer (a water-bearing layer of sediment that will yield water in a usable quantity to a well or spring) contained in alluvial sediments of Quaternary age. Holland and Ludwig (1981) reported that approximately 3.4 billion gallons of water per day were removed from alluvial deposits in 1980, most of which were used for rice irrigation. The aquifer is called the Mississippi River Valley alluvial aquifer, henceforth referred to as the alluvial aquifer.

This report was prepared as part of the East Arkansas Water Conservation Project, a cooperative effort with the Arkansas Soil and Water Conservation Commission (ASWCC), the U.S. Soil Conservation Service (SCS), and local Conservation Districts to conduct studies that would help further define the hydrologic characteristics of the alluvial aquifer. The U.S. Geological Survey has maintained a network of monitor wells in the alluvial aquifer in eastern Arkansas in cooperation with the Arkansas Geological Commission and has monitored the water levels each spring prior to the pumping season for several years. Recent reports containing these water-level data include: Edds (1981, 1982, 1983, 1984), Edds and Fitzpatrick (1984), Edds and Spencer (1985), Edds and Remsing (1986), and Freiwald and Plafcan (1987). In 1984 (Plafcan, 1985), this network was enhanced by a network of monitor wells in the alluvial aquifer measured by district Soil Conservation Service personnel with technical advice and coordination provided by the Geological Survey.

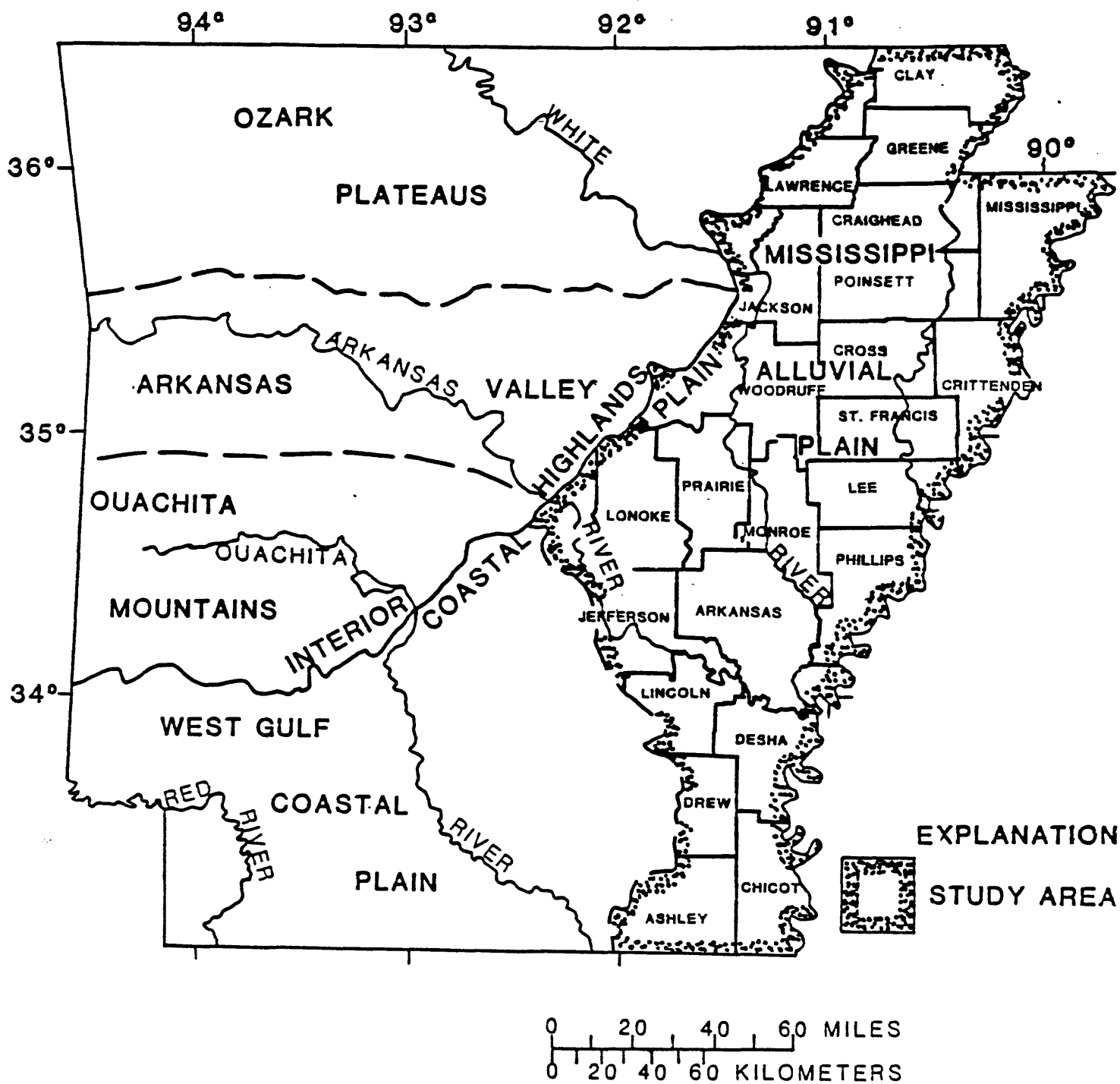


Figure 1.--Location of study area.

The purpose of this report is to present results of water-level measurements made by the SCS personnel before and after the pumping season of 1986 and to provide these data to other State and Federal agencies as well as to private landowners.

The water levels in 512 wells in the alluvial aquifer recorded in table 1 reflect the pre-pumping and post-pumping conditions during 1986, and will be used in conjunction with measurements made by the Geological Survey to prepare maps showing water levels, depth to water, and 5-year net change of water levels in eastern Arkansas for 1986. These water-level measurements are not stored in the Geological Survey's WATSTORE ground-water file system but are stored in local computer files of the U.S. Geological Survey.

The shallowest pre-pumping water levels occurred in Clay, Independence, Mississippi, and Randolph Counties where most water levels were within 20 feet of land surface. Counties where water levels of 100 feet or greater below land surface were measured included: Arkansas, Cross, Lonoke, Poinsett, and Prairie. However, the average depth to water in these counties ranged from 51 to 93 feet. Water-levels during the post-pumping (recovery) season averaged about 3 feet lower than during the pre-pumping season.

#### DESCRIPTION OF TABLE

Table headings used in the report are defined as follows:

Location: Township, range, and section number designation of well.

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 land surface. Measurements were made with a chalked steel tape and are accurate to within 0.10 foot.

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

Net change: Difference in feet between the spring and fall 1986 altitude of water level. Symbol preceding number indicates a decline (-) in water levels 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 01S03W04BBD (fig. 2) is located in Township 3 South, Range 4 West, and in the northeast quarter of the southwest quarter of the southeast quarter of section 3.

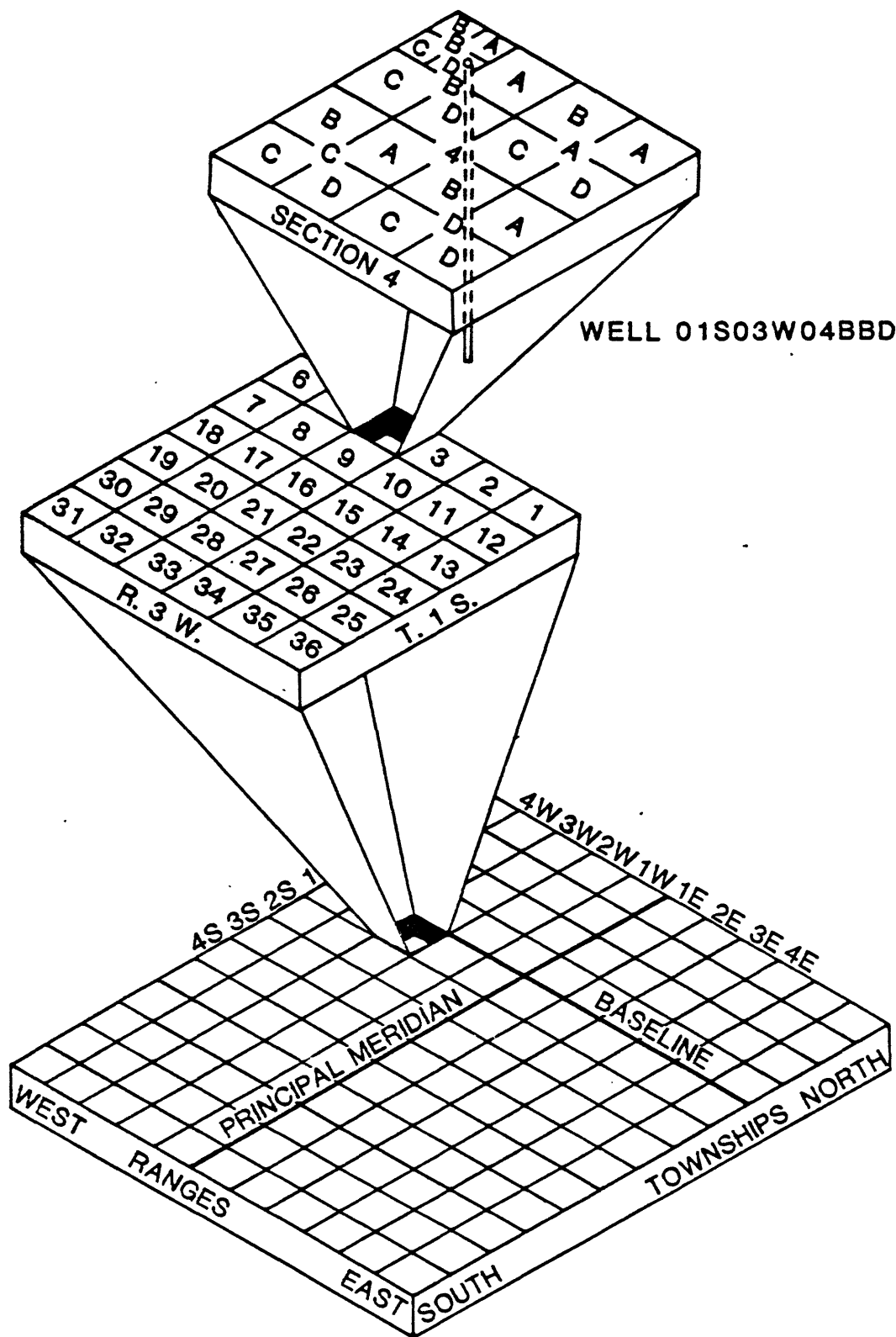


Figure 2.--Well numbering system.

## SELECTED REFERENCES

- Edds, Joe, 1981, Ground-water levels in Arkansas, spring 1981: U.S. Geological Survey Open-File Report 81-114, 52 p.
- 1982, Ground-water levels in Arkansas, spring 1982: U.S. Geological Survey Open-File Report 82-852, 51 p.
- 1983, Ground-water levels in Arkansas, spring 1983: U.S. Geological Survey Open-File Report 83-268, 49 p.
- 1984, Ground-water levels in Arkansas, spring 1984: U.S. Geological Survey Open-File Report 84-711, 58 p.
- Edds, Joe, and Fitzpatrick, D.J., 1984, Maps showing altitude of the potentiometric surface and changes in water levels of the alluvial aquifer in eastern Arkansas, spring 1983: U.S. Geological Survey Water-Resources Investigations Report 84-4264, 1 sheet.
- Edds, Joe, and Remsing, L.R., 1986, Ground-water levels in Arkansas, spring 1986: U.S. Geological Survey Open-File Report 86-406W, 62 p.
- Edds, Joe, and Spencer, J.L., 1985, Ground-water levels in Arkansas, spring 1985: U.S. Geological Survey Open-File Report 85-478, 60 p.
- Freiwald, D.A., and Plafcan, Maria, 1987, Ground-water levels in Arkansas, spring 1987: U.S. Geological Survey Open-File Report 87-459, 66 p.
- Holland, T.W., and Ludwig, A.H., 1981, Use of water in Arkansas, 1980: Arkansas Geological Commission Water Resources Summary No. 14, 30 p.
- Plafcan, Maria, 1985, Ground-water levels in the alluvial aquifer in eastern Arkansas, 1984: U.S. Geological Survey Open-File Report 85-569, 26 p.
- 1986, Ground-water levels in the alluvial aquifer in eastern Arkansas, 1985: U.S. Geological Survey Open-File Report 86-242, 29 p.
- Plafcan, Maria, and Edds, Joe, 1986, Water level and saturated thickness maps of the alluvial aquifer in eastern Arkansas, 1984: U.S. Geological Survey Water-Resources Investigations Report 86-4014, 1 sheet.
- Plafcan, Maria, and Fugitt, D.T., 1987, Water-level maps of the alluvial aquifer in eastern Arkansas, 1985: U.S. Geological Survey Water-Resources Investigations Report 86-4178, 1 sheet.

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986

[\*Data value not used to prepare water-level maps for 1986; where day is missing in date column, only month is known]

LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	SPRING 1986				FALL 1986			
			DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)	FEET	DATE	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)	
ARKANSAS COUNTY										
02S04W20AAB	K. Maier	205	109.0	04-17	96.0	101.0	10-09	104.0	8.0	
03S04W18CCA	Senko Farms	210	114.0	04-17	96.0	---	---	---	---	
03S04W18DCB	Senko Farms	210	79.0	04-17	131.0*	73.0	10-09	137.0*	6.0	
03S04W31CDA	W. Carle	195	96.0	04-17	99.0	97.0	10-09	98.0	-1.0	
04S04W14CCC	Glenn Stone	202	107.0	04-17	95.0	107.0	10-09	95.0	0.0	
05S03W16ABB	Allen Bros.	195	104.0	04-11	91.0	107.0	10-09	88.0	-3.0	
05S04W04BAA	Marion Hartz	186	90.0	04-17	96.0	93.0	10-09	93.0	-3.0	
05S04W14AAD	A. C. Smith	186	102.0	04-17	84.0*	90.0	10-09	96.0*	12.0	
05S04W34BAC	Mark Berry	191	70.0	04-11	121.0	72.0	10-09	119.0	-2.0	
06S02W03ABA	J.W. Hargrove	187	98.0	04-11	89.0*	77.0	10-09	110.0*	21.0	
07S03W10ACD	Pat Hackney	180	53.0	04-17	127.0	54.0	10-09	126.0	-1.0	
ASHLEY COUNTY										
16S04W21AAC	Craig Shackelford	130	27.4	04-02	102.6	34.6	10-03	95.4	-7.2	
16S05W01ACD	Clyde Russell	125	18.5	04-02	106.5	22.9	08-12	102.1	-4.4	
17S05W01AAD	Joel Newcomb	122	17.3	04-02	104.7	19.7	10-03	102.3	-2.4	
18S04W14BBB	Larry Holland	107	21.6	04-02	85.4	26.0	08-12	81.0	-4.4	
18S04W23DDD	Henry Morschheimer	103	18.0	04-02	85.0	23.0	08-12	80.0	-5.0	
18S05W11CCD	Billy Scroggins	118	20.2	04-02	97.8	26.0	08-12	92.0	-5.8	
19S05W08ACA	Steven Harvey	111	15.6	04-02	95.4	26.7	08-12	84.3	-11.1	
19S05W16ABB	John Currie, Jr.	116	22.4	04-02	93.6	25.5	08-12	90.5	-3.1	
19S05W27CBA	Gerard Mountjoy	107	20.7	04-02	86.3	26.1	08-12	80.9	-5.4	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		
CHICOT COUNTY									
13S03W21DDD	Mark Sherland	135	----	----	----	----	----	----	----
13S03W27AAA	Bobby Braswell	138	30.2	04-09	107.8	31.0	11-04	107.0	-0.8
14S02W09BD	J. Golden	135	28.2	04-10	106.8	30.0	11-03	105.0	-1.8
14S02W18BBA	B.F.W.	130	20.1	04-09	109.9	25.0	11-03	105.0	-4.9
15S01W31ADD	Ralph Baskett	120	22.0	04-01	98.0*	23.5	11-04	96.5*	-1.5
15S02W20DDC	Bruce Leggitt	125	23.0	04-08	102.0	26.0	11-04	99.0	-3.0
15S03W11ACC	Bill Keller	125	-----	-----	-----	34.0	11-03	91.0	----
15S03W13ACC	Bill Keller	125	33.4	04-09	91.6	-----	-----	-----	----
16S01W12DDB	Joe Gates	110	19.8	04-03	90.2*	23.0	11-04	87.0*	-3.2
16S03W11ABA	Lewis Howell	115	22.5	04-07	92.5	24.0	11-04	91.0	-1.5
17S03W18CBC	Gus Pugh	115	28.5	04-03	86.5	34.0	11-04	81.0	-5.5
17S03W28ACC	R.H. Tuggle	105	20.6	04-07	84.4	21.5	11-04	83.5	- .9
18S01W33BDA	Alvin Meyer, Jr.	115	14.2	04-03	100.8	17.0	11-05	98.0	-2.8
19S02W28DAC	Major Winters	125	39.5	04-07	85.5	39.8	11-05	85.2	- .3
CLAY COUNTY									
19N04E11DA	Joe Dodd	280	12.0	04-03	268.0	15.0	10-16	265.0	-3.0
19N06E18DB	Leroy Cruce	297	21.0	04-17	276.0	23.5	10-16	273.5	-2.5
19N07E25BC	Lynn Wimberley	268	16.0	04-17	252.0	17.0	10-14	251.0	-1.0
19N08E08DC	Ropac	263	5.5	04-03	257.5	9.0	10-14	254.0	-3.5
19N09E19CD	Frank Thrasher	265	5.5	04-15	259.5	8.5	10-14	256.5	-3.0
20N04E03AA	Quinn Brown	290	13.0	04-24	277.0	17.0	10-16	273.0	-4.0

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		
CLAY COUNTY--CONTINUED									
20N05E15CA	Odell Richardson	291	17.5	04-29	273.5	27.0	10-16	264.0	-9.5
20N05E22CA	Wallace Lewallen	290	17.5	04-23	272.5	20.7	10-14	269.3	-3.2
20N05E22DB	Wallace Lewallen	290	-----	04-23	-----	-----	-----	-----	---
20N06E09BB	Leon Cates	290	9.5	04-23	280.5	14.4	10-17	275.6	-4.9
20N06E28CD	Harold Bauschlicher	290	15.0	04-03	275.0	18.0	10-16	272.0	-3.0
20N08E22BD	Charles Hollis	279	8.0	04-29	271.0	12.0	10-14	267.0	-4.0
20N09E09AB	Jess Hill	279	5.0	04-15	274.0	13.0	10-14	266.0	-8.0
21N03E15CB	Joe Lewis	292	8.0	04-24	284.0	9.9	10-16	282.1	-1.9
21N03E36CD	O.E. Davis	290	12.0	04-24	278.0	16.0	10-16	274.0	-4.0
21N04E09DA	Buel Turner	291	7.0	04-24	284.0	13.5	10-16	277.5	-6.5
21N06E09BB	John Holifield	292	4.0	04-17	288.0	12.5	10-17	279.5	-8.5
21N07E01DC	David Lawrence	303	5.0	04-24	298.0	25.4	10-17	277.6*	-20.4
21N07E19BD	Dee Horner	295	9.5	04-24	285.5	18.0	10-17	277.0	-8.5
21N07E19DB	Junior Allman	295	-----	04-24	-----	-----	-----	-----	---
21N08E03CC	Ricky Jones	310	19.5	04-29	290.5*	27.3	10-14	282.7*	-7.8
21N08E03CD	Charles Foster	308	12.5	04-29	295.5*	22.6	10-14	285.4*	-10.1

## CRAIGHEAD COUNTY

13N01E03AA	Joy Ledbetter	240	37.0	04-11	203.0	39.2	11-04	200.8	-2.2
13N01E33BD	C.C. Ellis	240	41.7	04-11	198.3	44.5	11-04	195.5	-2.8
13N02E02AA	Mrs. Chas. Bishop	251	69.5	04-11	181.5	71.1	11-04	179.9	-1.6
13N03E23CD	Earl Hill	249	69.9	04-11	179.1	71.3	11-04	177.7	-1.4
13N04E15DC	W.R. Carter	230	18.8	04-10	211.2	20.5	11-03	209.5	-1.7

TABLE 1.---WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		
CRAIGHEAD COUNTY---CONTINUED									
13N04E31CA	Margaret Fierson	250	-----	-----	-----	-----	-----	-----	---
13N05E06DC	Mildred Morrison	229	16.8	04-10	212.2	18.9	11-03	210.1	-2.1
13N06E03AC	Noel Eggers	223	4.3	04-10	218.7	7.5	11-03	215.5	-3.2
13N06E21CB	Ed Ball	222	5.7	04-10	216.3	8.3	11-03	213.7	-2.6
13N07E22DB	Herbert Wood	220	5.4	04-10	214.6	9.0	11-03	211.0	-3.6
14N01E10BA	Wayne Wiggins	246	32.3	04-11	213.7	33.9	11-04	212.1	-1.6
14N01E31DA	Raymond Crider	251	40.0	04-11	211.0	41.9	11-04	209.1	-1.9
14N02E15DD	Donald Williams	255	56.0	04-11	199.0	57.6	11-04	197.4	-1.6
14N02E16BC	Larry Burns	250	46.3	04-11	203.7	48.4	11-04	201.6	-2.1
14N05E29BA	Hellsboro Plaza Inc.	236	16.4	04-10	219.6	18.7	11-03	217.3	-2.3
14N07E07BB	B. McFarlin	230	5.0	04-10	225.0	7.8	11-03	222.2	-2.8
15N02E12AB	S.W. Knight	250	17.0	04-11	233.0	19.3	11-04	230.7	-2.3
15N05E15DD	Randolph Steele	253	21.5	04-10	231.5	25.8	11-03	227.2	-4.3
15N05E32AB	Ray Dooley	252	19.0	04-10	233.0	22.8	11-03	229.2	-3.8
15N06E04AB	Poley Schug	239	6.8	04-10	232.2	11.3	11-03	227.7	-4.5
15N07E11DA	Maurice Keich, Trust	235	7.8	04-10	227.2	11.3	11-03	223.7	-3.5
15N07E21DA	Urell Dudley	236	8.2	04-10	227.8	11.5	11-03	224.5	-3.3

## CRITTENDEN COUNTY

05N07E08DDA	Billy West	206	21.3	04-04	184.7	11.0	11-06	195.0	10.3
05N07E34BDB	Carlson	205	8.2	04-04	196.8	16.0	11-06	186.0	-10.8
07N06E08DAD	Billy Rogers	210	23.0	04-04	187.0	25.0	11-06	185.0	-2.0
07N08E17	L. McGuiston	212	11.6	04-04	200.4	12.0	11-06	200.0	-.4

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

		SPRING 1986				FALL 1986					
LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)		
			BELOW LAND SURFACE	FEET		DATE	BELOW LAND SURFACE			FEET	DATE
CRITTENDEN COUNTY--CONTINUED											
08N06E01DCC	Sam Hatley	215	20.0	04-04	195.0	23.5	11-06	191.5	-3.5		
08N06E06DDA	George Watson	214	26.8	04-04	187.2	26.0	11-06	188.0	.8		
08N07E32DAD	Joe Marotti	215	20.0	04-04	195.0	20.8	11-06	194.2	-.8		
09N07E02CCA	Ed Young	225	19.1	04-04	205.9	26.0	11-06	199.0	-6.9		
09N07E21CDD	E. Barnes	220	21.9	04-04	198.1	23.0	11-06	197.0	-1.1		
09N08E04CCB	Joe Boone	216	14.0	04-04	202.0	----	----	----	----		
CROSS COUNTY											
06N02E10CDA	V.A. Pervin	200	49.0	04-01	151.0*	55.0	11-03	145.0*	-6.0		
06N02E12AAA	Hoyt Neill	235	62.4	04-01	172.6	64.4	11-03	170.6	-2.0		
06N04E01BBB	Lucy Billingsley	205	24.8	04-01	180.2*	34.4	11-05	170.6*	-9.6		
06N05E02AAA	M & W Farms	205	31.0	04-01	174.0	31.0	11-05	174.0	0.0		
07N01E05DCB	W.E. Plyler	215	63.8	04-04	151.2*	63.9	11-03	151.1*	-.1		
07N01E06CAA	Sonny Cox	220	55.0	05-07	165.0	56.0	11-03	164.0	-1.0		
07N01E33BBA	Martin Ridley	215	59.8	04-01	155.2	64.8	11-03	150.2	-5.0		
07N02E04DCD	-----	225	-----	-----	-----	48.9	11-03	176.1*	----		
07N02E10ABB	E.R. Rolfe	225	65.6	04-01	159.4	65.9	10-30	159.1	-.3		
07N02E12BBC	David Holloman	225	62.0	04-01	163.0	63.0	10-30	162.0	-1.0		
07N02E15DAA	David Tyer	218	58.0	04-24	160.0	67.7	11-03	150.3	-9.7		
07N02E29DDC	Martha Ellis Est.	220	53.2	04-01	166.8	54.7	11-03	165.3	-1.5		
07N03E05AAD	Gloria Borell	255	91.5	04-02	163.5	93.5	10-30	161.5	-2.0		
07N04E03BDA	LuLynne Hickey	205	25.4	04-01	179.6	-----	-----	-----	----		
07N04E04DBB	Glen Eaton	205	23.0	04-24	182.0	-----	-----	-----	----		



TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		
CROSS COUNTY--CONTINUED									
07N04E07AAA	Jimmy Wilkins	215	---	---	---	---	---	---	---
07N05E02AAB	O.C. House	210	26.4	04-01	183.6	27.0	11-03	183.0	- .6
07N05E09DBC	C.W. Martin	210	31.3	04-01	178.7	38.0	11-05	172.0	-6.7
07N05E25ABA	H.F. Sloan	205	27.0	04-01	178.0	26.4	11-05	178.6	.6
08N01E02CDD	-----	227	-----	-----	-----	55.0	10-23	172.0*	---
08N01E16DBB	Myrtle Kemp	225	64.1	04-04	160.9	65.5	11-03	159.5	-1.4
08N01E17CAD	Una Cooper	220	57.0	04-04	163.0	59.1	11-03	160.9	-2.1
08N02E12DCC	Donald Rolland	230	67.9	04-02	162.1	68.5	10-31	161.5	- .6
08N02E17BAA	L.V. Diebold	225	66.8	04-04	158.2	-----	-----	-----	---
08N03E15BBB	Otis Adams	265	99.8	04-02	165.2	102.0	10-30	163.0	-2.2
08N04E27ABB	Kenneth Thompson	205	23.0	04-01	182.0	17.9	10-30	187.1	5.1
09N01E04ACD	Virginia Reinhart	225	69.0	04-04	156.0*	-----	-----	-----	---
09N01E33BBA	Rebecca Fisher	225	63.2	04-02	161.8	60.8	11-03	164.2	2.4
09N01E36AAB	Curtis Hagler	225	66.3	04-25	158.7	63.4	11-03	161.6	2.9
09N02E17AAB	-----	232	-----	-----	-----	91.2	11-04	140.8*	---
09N02E20AAA	Fay Imboden	230	69.6	04-04	160.4	71.1	10-31	158.9	-1.5
09N02E30CBB	Larry Volk	225	65.0	04-04	160.0	66.2	11-03	158.8	-1.2
09N03E03ACC	Lou Stadler	250	91.3	04-02	158.7	91.2	10-31	158.8	.1
09N03E17CDD	Millard Carter	245	83.0	04-02	162.0	88.8	10-31	156.2	-5.8
09N04E01ADD	Delta Farm	205	16.3	04-24	188.7	21.4	10-31	183.6	-5.1
09N04E03DBB	John Brown	215	21.8	04-25	193.2	24.0	11-05	191.0	-2.2
09N04E33ADB	Anne Quesenbury	205	15.0	04-25	190.0	21.5	11-05	183.5	-6.5
09N05E10ACC	John Collier	210	18.0	04-25	192.0	26.4	10-31	183.6	-8.4
09N05E32BDB	Elizabeth Johnston	210	24.8	04-25	185.2	26.5	11-05	183.5	-1.7

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	SPRING 1986			FALL 1986			NET CHANGE (FEET)
			DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL (FEET)			
DESHA COUNTY									
07S01E19ABA	Brooks Griffin	154	13.5	04-23	140.5	19.0	10-31	135.0	-5.5
09S01W08BDA	Adcock	151	----	----	----	28.0	10-07	123.0	----
09S01W15CBB	Baxter	152	----	----	----	25.0	10-07	127.0	----
09S02W17CBC	Beegle	153	21.7	04-17	131.3	23.9	10-14	129.1	-2.2
09S02W20DAC	Spainhouer	152	----	----	----	25.5	10-14	126.5	----
09S03W35CCA	Shea	155	----	----	----	31.3	10-14	123.7	----
09S03W35DCB	Hopmann	156	25.4	04-17	130.6	31.8	10-14	124.2	-6.4
09S04W02CDA	Walt Brothers	163	----	----	----	29.9	10-14	133.1	----
09S04W06CBB	Prudential Life	163	20.0	04-11	143.0	24.0	10-14	139.0	-4.0
10S01W23DBC	Simpson	146	13.7	04-17	132.3	19.0	10-07	127.0	-5.3
10S02W11ADD	Singleton	148	----	----	----	17.5	10-09	130.5	----
10S02W23DBC	Baxter	153	22.8	04-17	130.2	25.5	10-09	127.5	-2.7
10S04W08BDA	Stimson	162	----	----	----	22.4	10-14	139.6	----
10S04W11BBB	Pickens	161	26.4	04-17	134.6	29.7	10-14	131.3	-3.3
10S04W16CCA	Pickens	159	17.8	04-17	141.2	20.1	10-14	138.9	-2.3
11S02W15BAD	Tucker (Wolfe Est.)	148	----	----	----	29.0	10-09	119.0	----
11S02W31DAA	Johnson	147	----	----	----	30.0	10-07	117.0	----
11S03W21ABB	Tillar & Co.	139	----	----	----	28.2	10-14	110.8	----
12S03W30BCD	Powell	141	25.0	04-16	116.0*	28.1	10-02	112.9*	-3.1
13S02W05CDC	Gilliam	146	37.5	04-16	108.5	37.4	10-02	108.6	.1
13S02W05CDD	Gilliam	146	----	----	----	41.0	10-02	105.0	----
13S02W32DBD	Deltic	135	33.0	04-16	102.0	34.8	10-02	100.2	-1.8

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	SPRING 1986				FALL 1986			
			DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)	
			FEET	DATE		FEET	DATE			
DREW COUNTY										
11S04W31ABC	Peterson	152	14.0	04-10	138.0	16.8	10-03	135.2	-2.8	
12S04W25ABC	Powell	140	-----	-----	-----	24.6	10-02	115.4	---	
12S04W25DBB	Hogue	147	21.5	04-10	125.5	26.0	10-02	121.0	-4.5	
12S05W04AAB	R.D. Jones	182	32.0	04-16	150.0	34.0	10-03	148.0	-2.0	
13S04W09ACD	Tabor	145	15.0	04-10	130.0	16.3	10-02	128.7	-1.3	
13S04W29CAB	Ogles	135	8.1	04-16	126.9	9.2	10-02	125.8	-1.1	
13S06W21DAA	Reinhart	207	68.0	04-10	139.0	73.4	10-03	133.6	-5.4	
14S04W03ADD	Pamplin	135	21.3	04-16	113.7	20.3	10-02	114.7	1.0	
14S04W05CBA	Henke	134	8.1	04-16	125.9	13.4	10-02	120.6	-5.3	
14S04W08CAD	Bates	130	7.0	04-16	123.0	11.5	10-02	118.5	-4.5	
14S04W22CAA	Dennington	135	16.0	04-10	119.0	20.3	10-02	114.7	-4.3	
GREENE COUNTY										
16N05E27DBB	McLaughlin	285	16.8	04-15	268.2*	19.0	10-28	266.0*	-2.2	
16N06E09AAC	Williamson	255	49.0	04-15	206.0*	58.0	09-30	197.0*	-9.0	
16N06E21BBA	Wells	250	25.0	04-15	225.0	29.0	09-30	221.0	-4.0	
17N03E28CDB	Dulaney	260	15.0	04-14	245.0	18.0	10-21	242.0	-3.0	
17N03E28DCD	Gillman	270	25.0	04-03	245.0	22.0	10-21	248.0	3.0	
17N03E29ABB	Jumper	255	15.5	04-14	239.5	18.0	09-29	237.0	-2.5	
17N06E15ABB	Boggs	268	24.8	05-20	243.2	48.0	08-20	220.0*	-23.2	
17N06E22CBA	Frankum	265	29.0	04-15	236.0	45.5	10-01	219.5*	-16.5	
17N07E03CCC	Alexander	245	6.0	04-15	239.0	8.0	08-21	237.0	-2.0	
17N07E29CBB	Thomas	244	4.8	04-15	239.2	8.0	08-21	236.0	-3.2	
18N05E34AAA	Scheer	280	15.5	04-14	264.5*	20.0	09-26	260.0*	-4.5	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		
GREENE COUNTY---CONTINUED									
18N07E17BAB	Lewis	260	6.5	04-11	253.5	11.0	09-25	249.0	-4.5
18N08E29CBA	Hill	250	6.5	04-15	243.5	7.5	09-25	242.5	-1.0
19N04E30DBB	Daughhettee	276	22.0	04-16	254.0	24.0	10-21	252.0	-2.0
19N05E33DDD	Howe	287	22.5	04-14	264.5	26.5	09-25	260.5	-4.0
19N05E34BDD	Lange	282	22.0	04-14	260.0	25.0	09-25	257.0	-3.0
INDEPENDENCE COUNTY									
11N04W02ABB	Roberson	227	9.5	05-16	217.5*	21.0	11-24	206.0*	-11.5
11N04W06ABB	Pankey	230	2.0	05-16	228.0	10.8	11-21	219.2	-8.8
12N05W36ABA	Kramer	235	15.2	05-16	219.8	24.3	11-21	210.7	-9.1
14N03W12CCB	Dickey	231	.5	05-16	230.5	9.0	11-24	222.0	-8.5
14N03W14CBB	Barnett	228	2.0	05-16	226.0	5.2	11-24	222.8	-3.2
JACKSON COUNTY									
09N01E18C	Muncer	215	43.4	04-	171.6	----	----	----	----
09N01W15D	Murphee	222	40.8	04-	181.2	43.0	10-	179.0	-2.2
09N01W30B	Fields	210	30.1	-----	179.9	32.5	10-	177.5	-2.4
09N02W11C	Quinn	221	6.0	-----	215.0*	12.5	10-30	208.5*	-6.5
09N02W32B	Hardin	224	23.0	03-	201.0	-----	-----	-----	-----
09N02W32B	Hardin	220	23.0	03-	197.0	25.0	09-18	195.0	-2.0
10N01W02C	Jackson	230	45.5	03-	184.5	47.0	09-16	183.0	-1.5

TABLE 1.---WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	SPRING 1986				FALL 1986			
			DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)	
			FEET	DATE		FEET	DATE			
JACKSON COUNTY---CONTINUED										
10N01W04	Neeley	225	39.6	----	185.4	42.4	10--	182.6	-2.8	
10N01W05	McCartney	227	32.8	----	194.2	34.6	10--	192.4	-1.8	
10N01W10A	Johnson	220	41.2	----	178.8	44.7	10--	175.3	-3.5	
10N01W14C	Winemiller	228	48.0	03--	180.0	51.0	09-16	177.0	-3.0	
10N01W27A	Kieffer	225	43.0	04--	182.0	46.0	10--	179.0	-3.0	
10N02W29	Kent	226	17.0	03--	209.0	19.0	09-18	207.0	-2.0	
10N03W11	Turner	214	5.0	04--	209.0	10.0	10--	204.0	-5.0	
10N03W30DC	Falwell	222	22.0	04--	200.0	26.0	10--	196.0	-4.0	
10N03W34C	West Weldon	209	11.0	04--	198.0	18.0	10-30	191.0	-7.0	
11N01W25B	Davis	231	50.7	-----	180.3	53.3	10--	177.7	-2.6	
11N02W02D	Hare	235	24.5	03--	210.5	26.0	10-30	209.0	-1.5	
11N02W09	Doyle	233	21.5	03--	211.5	24.2	10--	208.8	-2.7	
11N02W23D	Huey	226	19.0	-----	207.0	20.4	10--	205.6	-1.4	
11N03W05B	Haigwood	227	17.0	04--	210.0	16.0	09-16	211.0	1.0	
11N03W18C	Rutledge	218	9.8	-----	208.2	17.5	10--	200.5	-7.7	
12N01W11B	Edwards	233	23.3	-----	209.7	25.9	10--	207.1	-2.6	
12N01W14BC	Phillips	233	26.9	03--	206.1	27.0	10-07	206.0	- .1	
12N01W30C	Coleman	232	-----	-----	-----	-----	-----	-----	----	
12N01W30C	Coleman	230	19.5	03--	210.5	22.0	10-07	208.0	-2.5	
12N01W36	Lofton	236	38.5	03--	197.5	40.4	10--	195.6	-1.9	
12N02W19C	Hodges	230	9.6	04--	220.4	12.0	09-18	218.0	-2.4	
13N01E18D	Denton	234	29.5	04--	204.5	34.0	09-18	200.0	-4.5	
13N01W23B	Thomas	243	29.1	-----	213.9	33.6	10--	209.4	-4.5	
13N02W10C	Baughn	247	16.5	03--	230.5	18.0	09-18	229.0	-1.5	
13N02W22	Holden-Conner	240	13.3	-----	226.7	15.0	10--	225.0	-1.7	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)		
			BELOW LAND SURFACE	DATE				DEPTH TO WATER	DATE
JACKSON COUNTY---CONTINUED									
13N02W34C	Young	240	13.5	03-	226.5	15.0	09-18	225.0	-1.5
13N03W15	Taylor	235	13.2	-----	221.8	18.6	10-	216.4	-5.4
13N03W36	Graham	235	12.2	03-	222.8	14.2	10-	220.8	-2.0
14N01W01C	Bennett	248	29.8	-----	218.2	31.1	10-	216.9	-1.3
14N01W08A	Nicholson	253	23.2	-----	229.8	24.2	10-	228.8	-1.0
14N01W19	Hulett	245	20.7	-----	224.3	22.0	10-	223.0	-1.3
14N01W26C	Saenger	247	28.7	-----	218.3	34.1	10-	212.9	-5.4
14N01W33C	Templeton	247	25.5	-----	221.5	27.7	10-	219.3	-2.2
14N02W12	Rainwater	251	21.5	-----	229.5	23.0	10-	228.0	-1.5
14N02W22B	Bradley	250	21.3	-----	228.7	22.1	10-	227.9	-.8

## JEFFERSON COUNTY

03S07W36ACC	Ned Brown	185	27.9	04-07	157.1	39.5	10-14	145.5	-11.6
03S08W01ABB	C.H. Triplett	197	33.9	04-10	163.1	35.0	10-03	162.0	-1.1
03S08W31CCB	J. Blair	215	-----	-----	-----	-----	-----	-----	---
03S09W14BCD	Tucker Estate	224	33.2	04-07	190.8*	54.0	10-03	170.0*	-20.8
03S09W27AAA	Tucker Estate	222	40.1	04-07	181.9	39.5	10-03	182.5	.6
03S09W36cent	Payne Estate	215	28.6	04-07	186.4	31.0	10-14	184.0	-2.4
03S10W25BBB	Bennett	215	-----	-----	-----	-----	-----	-----	---
03S10W26DAD	Bennett	215	13.3	04-07	201.7	22.5	10-14	192.5	-9.2
04S07W35DDB	Mark Shelton	185	14.0	04-07	171.0	17.0	10-14	168.0	-3.0
04S08W33DBB	Elms	212	27.0	04-07	185.0	31.5	10-14	180.5	-4.5
04S09W01DAA	J. Blair	213	29.0	04-07	184.0	32.0	10-14	181.0	-3.0

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		NET CHANGE (FEET)
			FEET	DATE			FEET	DATE	
JEFFERSON COUNTY--CONTINUED									
04S09W32DCB	J. Blair	215	17.5	04-07	197.5	32.0	10-14	183.0*	-14.5
04S09W34DBA	Guenther	215	19.1	04-07	195.9	22.5	10-14	192.5	-3.4
05S07W35CDD	Prudential	195	17.6	04-07	177.4	24.0	10-15	171.0	-6.4
07S07W16CDB	J.B. Thompson	188	-----	-----	-----	-----	-----	-----	---
07S07W18AAD	C.H. Triplett	188	15.5	04-10	172.5	38.0	10-15	150.0*	-22.5
LAWRENCE COUNTY									
15N01E11DAA	Truman Goodson	255	30.5	03-24	224.5	32.5	11-12	222.5	-2.0
15N01E23DAD	J.B. Lorren	250	28.6	03-24	221.4	31.4	11-12	218.6	-2.8
15N01E32AAB	Ervin Blanchard	255	37.5	03-24	217.5	39.3	11-12	215.7	-1.8
15N01W03BAB	Lance Phillips	259	25.6	03-24	233.4	28.2	11-12	230.8	-2.6
15N01W23BCD	Joel Teel	255	28.2	03-25	226.8	29.7	11-12	225.3	-1.5
15N01W30AAA	Laddie Allen	254	23.7	04-02	230.3	25.5	11-12	228.5	-1.8
15N02E10BBD	D.B. White	247	16.5	03-24	230.5	20.5	11-14	226.5	-4.0
16N01E29BBA	Stan Jones	261	30.9	03-24	230.1	32.1	11-14	228.9	-1.2
16N01E30DCC	Sylvia Rainwater	260	33.5	03-25	226.5	34.7	11-14	225.3	-1.2
16N01E35AAA	Melton Todd	256	29.2	03-24	226.8	29.6	11-12	226.4	- .4
16N01W30DDC	Casey Phillips	255	17.7	03-24	237.3	21.5	11-12	233.5	-3.8
16N02E09AAD	James F. Sloan	261	26.1	04-03	234.9	27.6	11-14	233.4	-1.5
16N02E12AAB	Carl Phillips	260	29.6	03-27	230.4	30.3	11-14	229.7	- .7
16N02E19ACA	Belk Farms	260	27.5	03-27	232.5	29.4	11-14	230.6	-1.9
16N02E34CBA	Raymond Covey	255	26.6	03-24	228.4	29.3	11-14	225.7	-2.7
17N01E02BBA	Tribo Farms Inc.	260	7.9	03-24	252.1	10.2	11-06	249.8	-2.3

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

SPRING 1986				FALL 1986					
LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)		NET CHANGE (FEET)		
			FEET	DATE	BELOW LAND SURFACE	DATE			
								FEET	DATE
LAWRENCE COUNTY--CONTINUED									
17N01E21CBC	J.D. Beary	265	13.4	03-24	251.6	15.3	11-14	249.7	-1.9
17N01E27AAA	W.A. Wilson, Jr.	270	22.9	03-24	247.1	24.2	11-14	245.8	-1.3
17N01W26BCB	Bennett Hart	260	14.2	03-24	245.8	15.0	11-06	245.0	-.8
17N01W36AAB	Raymond Jones	257	8.3	03-24	248.7	9.1	11-06	247.9	-.8
17N02E04ADD	Wilson Crisler	270	26.1	03-24	243.9	29.1	11-25	240.9	-3.0
17N02E19CDD	Tom Hilburn	265	25.8	03-24	239.2	27.7	11-03	237.3	-1.9
17N02E21AAC	Smith Planting Co.	268	27.8	03-24	240.2	28.7	11-03	239.3	-.9
17N02E25CBD	Delphina Connelly	265	21.1	03-24	243.9	23.8	11-19	241.2	-2.7
LEE COUNTY									
01N01E04AAB	John Fricker	175	---	---	---	23.0	10-29	152.0	---
01N01E09CCC	V.W. Williams	175	17.1	03-26	157.9	27.9	10-29	147.1*	-10.8
01N01E24CBA	James Key	185	11.0	03-26	174.0	18.3	10-27	166.7	-7.3
01N02E01DAC	Bill Gerrard	205	20.3	05-16	184.7	34.0	10-27	171.0	-13.7
01N02E09BBA	Alex Palmer	200	19.0	03-26	181.0	31.5	10-27	168.5	-12.5
01N02E12ABB	Bill Gerrard	205	23.0	03-26	182.0	35.0	10-29	170.0	-12.0
01N02E22CAA	Jimmy Manley	200	21.8	03-26	178.2	31.7	10-29	168.3	-9.9
01N02E33CBB	Eugene Hindlsey	185	9.1	03-26	175.9	16.3	10-27	168.7	-7.2
01N02E33CCB	A.B. Thompson	185	10.0	03-26	175.0	---	---	---	---
02N01E18CBD	Steve Fowler	185	25.8	03-24	159.2	33.0	10-29	152.0	-7.2
02N01E23ABA	J.N. Bickerstaff	200	---	---	---	40.0	10-29	160.0	---
02N01W34CDA	A.J. Harvey	186	30.8	03-24	155.2	35.4	10-29	150.6	-4.6
02N01W34DDC	A.J. Harvey	180	---	---	---	35.5	10-29	144.5*	---



TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

		SPRING 1986				FALL 1986			
LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			BELOW LAND SURFACE			BELOW LAND SURFACE			
			FEET	DATE		FEET	DATE		
LEE COUNTY---CONTINUED									
02N02E33DCD	Alex Palmer	205	28.0	03-31	177.0	35.5	10-27	169.5	-7.5
02N02E36DDC	Jane Cloyd	205	19.0	03-28	186.0	30.7	10-27	174.3	-11.7
02N03E29CAA	Lowell Parten	215	34.0	03-31	181.0	45.5	10-27	169.5	-11.5
02N04E03ABD	Lon Mann	185	24.0	03-28	161.0*	25.8	10-27	159.2	-1.8
03N01E03CBC	Derward Byrd	205	50.0	03-26	155.0	51.0	10-29	154.0	-1.0
03N01E17ADC	Derward Byrd	200	53.8	03-24	146.2	53.8	10-29	146.2	0.0
03N01E32BBC	Harlan Wilson	200	46.8	03-24	153.2	48.5	10-29	151.5	-1.7
03N02E12CDC	Bernard Whitehead	210	-----	-----	-----	-----	-----	-----	----
03N02E24CAD	C.F. Tyson	205	35.3	03-28	169.7	38.8	10-27	166.2	-3.5
03N03E05CBC	Buddy Whitehead	210	41.0	03-28	169.0*	42.5	10-29	167.5	-1.5
03N03E11DCB	Faye Bullard	225	50.2	03-28	174.8	52.0	10-27	173.0	-1.8
03N03E18DAB	Trenton Felton	196	21.4	04-29	174.6	24.5	10-29	171.5	-3.1
03N04E07CBB	Mike Vaccaro	200	26.0	03-28	174.0	29.0	10-29	171.0	-3.0
03N05E03ADB	W.H. Daggett	197	21.3	03-28	175.7	21.5	10-27	175.5	-.2
03N05E26ADC	Ray Dawson	185	7.9	03-28	177.1	9.1	10-27	175.9	-1.2
LINCOLN COUNTY									
07S06W03CCA	Katie Wood	190	16.0	04-10	174.0	18.0	10-14	172.0	-2.0
07S07W36CBD	Joe Newton	185	23.0	04-10	162.0	27.0	10-14	158.0	-4.0
08S04W06ACB	Robert Adcock	174	10.0	04-11	164.0	15.0	10-14	159.0	-5.0
08S04W28CAB	T.J. Cox	166	19.0	04-10	147.0	30.0	10-14	136.0	-11.0
08S05W12DBA	R.L. Rogers	171	13.0	04-10	158.0	20.0	10-14	151.0	-7.0
08S05W16DBC	Joel Garner	174	20.0	04-10	154.0	24.0	10-14	150.0	-4.0
08S05W21DCD	Joel Garner	174	20.0	04-10	154.0	26.0	10-14	148.0	-6.0

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

		SPRING 1986				FALL 1986					
LOCATION	LAND OWNER	ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL		DEPTH TO WATER		ALTITUDE OF WATER LEVEL		NET CHANGE (FEET)
			BELOW LAND SURFACE		LEVEL		BELOW LAND SURFACE		LEVEL		
			FEET	DATE	FEET	(FEET)	FEET	DATE	FEET	(FEET)	
LINCOLN COUNTY---CONTINUED											
08S05W29ABC	Elmer West	176	30.0	04-11	146.0	33.0	10-14	143.0	-3.0		
08S05W32DCC	Sue Halter	174	27.0	04-10	147.0	30.0	10-14	144.0	-3.0		
08S07W17ADB	Don Brown	185	18.0	04-10	167.0	-----	-----	-----	----		
09S05W34BBD	A.V. Stimson	171	22.0	04-14	149.0	24.0	10-14	147.0	-2.0		
09S06W03BDC	Jack Jackson	175	24.0	04-10	151.0	26.0	10-14	149.0	-2.0		
09S06W04BDD	Tom Cogbill	180	28.0	04-11	152.0	28.0	10-14	152.0	0.0		
09S06W14ACA	E.F. Freeman	175	-----	-----	-----	32.0	10-14	143.0	----		
09S06W23BCD	E.F. Freeman	175	26.0	04-14	149.0	26.0	10-14	149.0	0.0		
09S06W24DAA	G.D. Smith	177	27.0	04-14	150.0	28.0	10-14	149.0	-1.0		
LONOKE COUNTY											
01N07W03ABB	Bennet	226	106.9	04-28	119.1	-----	-----	-----	----		
01N07W07ABB	Schenebeck	227	102.7	04-27	124.3	-----	-----	-----	----		
01N07W26BCC	Parker	218	94.5	04-28	123.5	-----	-----	-----	----		
01N07W33BCB	Stratton	213	91.0	04-28	122.0	92.0	10-21	121.0	-1.0		
01N09W08BCC	Bevis	240	41.7	04-22	198.3*	-----	-----	-----	----		
01N09W21ABB	Stecks	230	51.0	04-28	179.0	53.0	10-21	177.0	-2.0		
01N09W22DAA	Holt	233	64.8	04-22	168.2	65.5	10-20	167.5	-.7		
01N09W24ABD	Mars	225	67.5	04-25	157.5	-----	-----	-----	----		
01N10W03CBB	Bass	245	16.8	04-22	228.2	-----	-----	-----	----		
01N10W12ABB	Stecks	240	36.5	04-22	203.5	-----	-----	-----	----		
01N10W15CDA	Dortch	241	19.8	04-22	221.2	21.6	10-20	219.4	-1.8		
01S06W32BBB	Bowlan	201	62.6	04-28	138.4	-----	-----	-----	----		

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986					FALL 1986				
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)	
			FEET	DATE			FEET	DATE			
LONOKE COUNTY--CONTINUED											
01S07W02CAA	Rouse	210	79.1	04-28	130.9	80.5	10-21	129.5	-1.4		
01S08W02DAB	Krablin	209	81.1	04-28	127.9*	82.3	10-21	126.7*	-1.2		
01S09W03CDC	Sawdage	225	49.0	04-27	176.0	49.5	10-21	175.5	- .5		
01S09W09DBC	G. Nipps	226	-----	-----	-----	51.0	10-23	175.0	----		
01S09W25BAC	Cobb	226	49.2	04-22	176.8	-----	-----	-----	----		
01S10W15BBA	Travelers	238	19.1	04-22	218.9	22.1	10-23	215.9	-3.0		
02N08W23DDB	Kittler	229	105.0	04-27	124.0	105.5	10-20	123.5	- .5		
02N10W14BBD	Rye	238	36.5	05-14	201.5	37.6	10-24	200.4	-1.1		
02N10W15BDD	Townsend	239	29.9	05-14	209.1	-----	-----	-----	----		
02N10W24DBA	McGrary	237	44.0	05-14	193.0	45.1	10-24	191.9	-1.1		
02N10W36BDC	Prudential	243	37.0	05-16	206.0	39.0	10-24	204.0	-2.0		
02S07W30ADD	Triplett	203	45.0	04-27	158.0	45.2	10-23	157.8	- .2		
02S08W06BAA	Brantly	223	45.5	04-22	177.5	-----	-----	-----	----		
02S09W02BBC	L. Tebbets	224	-----	-----	-----	47.2	10-20	176.8	----		
03N07W32CCD	Gosney	240	98.8	04-23	141.2	99.4	10-23	140.6	- .6		
03N08W26CDC	Schafer	235	87.5	04-23	147.5	87.9	10-20	147.1	- .4		
03N08W32CBB	Lilly	245	98.6	04-23	146.4	99.0	10-20	146.0	-.4		

## MISSISSIPPI COUNTY

10N08E21BDA	Bob Pugh	224	16.8	04-16	207.2		19.0	09-24	205.0	-2.2
12N08E27CAA	Bond Bros.	225	11.6	04-16	213.4		-----	-----	-----	----
12N08E27CAB	Bond Bros.	225	-----	-----	-----		17.4	09-24	207.6	----
12N09E12ABB	Harold Senter	234	10.7	04-16	223.3		20.0	09-24	214.0	-9.3
12N10E04CAA	R.B. Holthouse	235	8.5	04-16	226.5		14.6	09-23	220.4	-6.1

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986					
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)		
			BELOW LAND SURFACE	FEET		DATE	BELOW LAND SURFACE			FEET	DATE
MISSISSIPPI COUNTY--CONTINUED											
12N10E07BC	Charles Robinson	235	10.7	04-16	224.3	20.0	09-24	215.0	-9.3		
12N10E21DBA	Charles Standefer	236	11.5	04-16	224.5	15.5	09-23	220.5	-4.0		
12N10E33CAA	Lawrance Bros.	230	5.6	04-16	224.4	8.2	09-24	221.8	-2.6		
13N08E24ABB	Ira G. Ashley	230	9.3	04-15	220.7	11.7	09-23	218.3	-2.4		
14N11E33ABB	Mike McCarty	240	10.7	04-15	229.3	-----	-----	-----	---		
14N11E33DBB	Mike McCarty	240	-----	-----	-----	15.7	09-23	224.3	---		
15N10E21ABC	Joe Dillidine	240	10.4	04-15	229.6	12.4	09-23	227.6	-2.0		
16N10E28ABB	R.D. Hughes	240	6.7	04-15	233.3	9.7	09-23	230.3	-3.0		
16N12E01ABB	Armored Planting Co.	258	7.4	04-15	250.6*	11.0	09-23	247.0*	-3.6		
MONROE COUNTY											
01N01W03CDB	Edgar Fowler	185	32.4	04-24	152.6	37.0	10-01	148.0	-4.6		
01N02W14DDD	Ferrill Martin	180	19.3	04-07	160.7	21.6	10-28	158.4	-2.3		
01N02W19BCB	Don Pettigrew	180	16.9	04-24	163.1	19.5	10-30	160.5	-2.6		
01N03W23BAD	Corrine Nelson	170	9.5	04-07	160.5	15.0	10-28	155.0	-5.5		
01S01W16DDC	Allen Walls	175	12.8	04-07	162.2	17.0	10-28	158.0	-4.2		
01S02W20BBB	J.T. Richardson	170	8.7	04-07	161.3	11.7	10-28	158.3	-3.0		
01S03W20CCD	Don Davis	210	69.0	04-09	141.0	76.2	10-30	133.8	-7.2		
02N01W19ADD	A.J. Brizzolara	190	36.3	04-24	153.7	41.7	10-01	148.3	-5.4		
02N03W35CDA	Bill Davis	185	26.0	04-24	159.0	28.0	11-05	157.0	-2.0		
02S01W01BCD	Larry Coleman	175	-----	-----	-----	16.4	10-01	158.6	---		
02S01W01BDD	Larry Coleman	175	13.6	04-07	161.4	-----	-----	-----	---		
02S01W11DBB	Allen Walls	170	12.5	04-25	157.5	15.6	10-01	154.4	-3.1		
04N02W01BCC	Fred Oxner	195	30.5	04-24	164.5	32.2	10-01	162.8	-1.7		
04N02W05AAA	D.R. Parsley	185	12.0	04-24	173.0	15.0	10-01	170.0	-3.0		

TABLE 1.---WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		
PHILLIPS COUNTY									
01S01E20DDB	Dennis Storey	185	15.5	04-21	169.5	23.4	10-30	161.6	-7.9
01S02E09BDC	Ronald Storey	185	7.9	04-21	177.1	16.9	10-30	168.1	-9.0
01S02E32BCC	Joe Kemmer	200	32.0	04-21	168.0	38.0	10-30	162.0	-6.0
01S03E02ADD	Nix Bros.	200	13.1	04-21	186.9	16.0	10-30	184.0	-2.9
01S03E10ABB	Henry Heidelberg	205	13.8	04-21	191.2	24.0	10-30	181.0	-10.2
01S03E20BDD	W.A. Smith	210	31.8	04-21	178.2	30.4	10-30	179.6	1.4
01S04E05DCD	J.W. Webb	230	45.0	04-21	185.0	51.0	10-30	179.0	-6.0
02S02E29DDD	James Yancey	180	22.5	04-21	157.5	30.0	10-31	150.0	-7.5
02S02E33ACC	James Yancey	177	24.5	04-21	152.5	33.0	10-31	144.0	-8.5
02S03E05BBC	W.A. Smith	194	24.3	04-21	169.7	41.6	10-30	152.4	-17.3
02S03E34BCD	Gere Carnathan	165	12.2	04-23	152.8	17.0	10-30	148.0	-4.8
02S04E27ACC	W.A. Bailey	175	9.8	04-21	165.2	13.0	10-30	162.0	-3.2
02S04E32BCA	Pat Burke	175	14.0	04-23	161.0	17.0	10-30	158.0	-3.0
03S04E02CAA	Buron Griffin	176	13.1	04-21	162.9	16.0	10-30	160.0	-2.9
04S01E14CDD	Don Warren	155	10.0	04-23	145.0	13.5	10-31	141.5	-3.5
04S01E26CDA	Charles R. Griffith	160	11.3	04-23	148.7	16.1	10-31	143.9	-4.8
04S02E01DBB	Steve Cannon	163	11.0	04-23	152.0	14.2	10-31	148.8	-3.2
05S01E26ADC	Jim Bush	160	13.5	04-23	146.5	19.8	10-31	140.2	-6.3
POINSETT COUNTY									
10N01E02CB	Jack Knapple	235	-----	-----	-----	72.0	10-09	163.0	----
10N01E10DAB	Charlie Dale	236	93.2	04-08	142.8*	78.6	10-09	157.4*	14.6
10N01E32CBB	Anderson Weld	222	37.0	04-09	185.0*	38.0	10-06	184.0*	-1.0
10N01E33ABB	Eddie Wright	220	55.3	04-08	164.7	63.1	10-09	156.9	-7.8

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986					
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)		
			BELOW LAND SURFACE	FEET		DATE	BELOW LAND SURFACE			FEET	DATE
POINSETT COUNTY---CONTINUED											
10N01E34ADA	Eddie Wright	230	68.7	04-08	161.3	78.5	10-09	151.5	-9.8		
10N02E13BCC	Danny Clements	237	80.0	04-08	157.0	83.0	10-06	154.0	-3.0		
10N02E20BAB	Beal	237	83.8	04-09	153.2	80.2	10-09	156.8	3.6		
10N03E29BBC	Wallace	236	75.5	04-08	160.5	79.5	10-06	156.5	-4.0		
10N04E26CBC	Sonny Bonds	220	26.5	04-09	193.5	24.9	10-09	195.1	1.6		
11N01E21DDC	Fullbright	232	58.6	04-08	173.4	-----	-----	-----	---		
11N02E30BBB	Sonny Wolf	239	78.2	04-08	160.8	84.5	10-06	154.5	-6.3		
11N02E34CB	Claude Heeb	242	-----	-----	-----	88.0	10-09	154.0	---		
11N03E11DDD	Larry Bryan	262	109.0	04-09	153.0	75.0	10-06	187.0*	34.0		
11N03E13CAA	Lafarrel Wess	270	104.2	04-15	165.8	111.0	10-09	159.0	-6.8		
11N03E30DDC	Johnny Brannum	240	95.5	04-09	144.5	97.0	10-06	143.0	-1.5		
11N04E23CBC	Ms. Earl Whitaker	220	25.0	04-09	195.0	26.8	10-07	193.2	-1.8		
11N04E36ABA	Hyneman	211	12.7	04-09	198.3	15.8	10-07	195.2	-3.1		
11N06E13DD	Lewis Wood	215	10.0	04-11	205.0	13.0	10-09	202.0	-3.0		
11N07E18BC	Lewis Wood	213	12.0	04-11	201.0	78.0	10-09	135.0*	-66.0		
12N01E22DAB	Vernon Walker	235	54.7	04-08	180.3	57.4	10-06	177.6	-2.7		
12N02E25DCC	Wimpy Farms	245	103.9	04-08	141.1*	94.5	10-06	150.5*	9.4		
12N02E34CC	Elmer Cooper	245	-----	-----	-----	92.0	10-09	153.0	---		
12N03E01CCA	Skip Covington	250	87.1	04-08	162.9*	89.3	10-06	160.7*	-2.2		
12N03E04DAD	Hall	248	93.9	04-08	154.1*	90.8	10-06	157.2*	3.1		
12N04E15AAA	B.L. Evans	225	20.8	04-09	204.2	23.3	10-07	201.7	-2.5		
12N05E16AAA	L.B. Terry	221	9.0	04-09	212.0	12.2	10-07	208.8	-3.2		
12N06E31ADD	Charles Woodruff	218	9.0	04-09	209.0	12.0	10-09	206.0	-3.0		
12N07E10CBB	Weems	220	10.6	04-09	209.4	12.5	10-09	207.5	-1.9		

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986				NET CHANGE (FEET)
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)		
			BELOW LAND SURFACE	FEET		DATE	BELOW LAND SURFACE		DATE	
PRAIRIE COUNTY										
01N06W07	Winrock Farm	228	111.2	04-24	116.8	112.5	11-24	115.5	-1.3	
01N06W28DD	Uhiren Farm	221	103.9	04-24	117.1	103.2	11-24	117.8	0.7	
01N06W34	Eddie Lisko	223	101.9	04-24	121.1	103.2	09-28	119.8	-1.3	
01S04W28	Ray Vester	206	92.3	04-24	113.7	94.1	11-04	111.9	-1.8	
02N06W07	L.F. Smith	237	116.4	04-24	120.6	114.2	10-16	122.8	2.2	
02N06W08	L.D. Branch	235	109.0	04-26	126.0	110.4	11-24	124.6	-1.4	
02S06W14	C. Patterson	200	66.9	04-24	133.1	67.0	11-04	133.0	- .1	
03N05W05	Jerry DeVorak	212	65.1	04-24	146.9	65.4	10-29	146.6	- .3	
03N06W17	E.H. Bednar	216	64.2	04-21	151.8	67.0	10-21	149.0	-2.8	
04N05W13	Delta Trust	210	-----	-----	-----	68.0	10-29	142.0*	----	
04N05W14	Buck Uland	205	-----	-----	-----	49.0	10-29	156.0	----	
04N05W18	Noble Dicks	210	65.6	04-24	144.4	67.3	10-29	142.7	-1.7	
04N05W19	Duke Morton	212	67.4	04-24	144.6	70.8	10-29	141.2	-3.4	
04N05W21	Skarda Farms	210	-----	-----	-----	72.0	10-29	138.0*	----	
04N05W24	M. Calhoun	187	10.0	04-23	177.0	-----	-----	-----	----	
04N05W25	M. Calhoun	185	12.5	04-23	172.5	-----	-----	-----	----	
04N05W27	Skarda Farms	205	-----	-----	-----	56.0	10-29	149.0	----	
04N05W30	William Bell	213	-----	-----	-----	56.0	11-04	157.0*	----	
04N06W08	Reuben Kennedy	202	49.3	04-24	152.7	52.4	11-21	149.6	-3.1	
04N06W09	M.V. Owens	204	50.1	04-24	153.9	51.9	09-30	152.1	-1.8	
04N06W12	Delta Trust	205	-----	-----	-----	68.0	11-04	137.0*	----	
04N06W23	George Ford	215	70.1	04-24	144.9	80.0	11-21	135.0*	-9.9	
04N06W24	William Bell	214	-----	-----	-----	89.3	11-04	124.7*	----	
04N06W24	William Bell	213	-----	-----	-----	77.0	11-04	136.0*	----	
04N07W06	J.E. Bell	229	40.0	04-21	189.0	40.8	10-21	188.2	- .8	
04N07W33	Mickey Graham	254	86.9	04-21	167.1	86.7	10-21	167.3	.2	
05N05W20	John Stephens	190	27.1	04-23	162.9	31.0	11-04	159.0	-3.9	
05N05W23	V.O. Calhoun	200	29.2	04-23	170.8	31.0	11-04	169.0	-1.8	

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		
PRAIRIE COUNTY--CONTINUED									
05N05W24	M. Calhoun	187	-----	-----	-----	25.3	11-04	161.7	----
05N05W25	M. Calhoun	185	-----	-----	-----	28.0	11-04	157.0*	----
05N05W28	F. Calhoun	192	23.9	04-23	168.1	27.2	11-04	164.8	-3.3
RANDOLPH COUNTY									
18N01E01ABA	Bennett	266	8.4	05-05	257.6	14.0	11-17	252.0	-5.6
18N01E13BAB	Lamb	266	12.0	04-30	254.0	11.8	11-21	254.2	.2
18N01E25BAB	Fender	265	8.0	05-06	257.0	11.3	10-21	253.7	-3.3
18N01E27D	Fender	259	8.6	05-06	250.4	10.4	11-17	248.6	-1.8
18N01E28BAC	Jones	259	20.0	04-29	239.0	15.6	10-21	243.4	4.4
18N01E29BAA	James	255	19.0	04-29	236.0	15.6	10-21	239.4	3.4
18N01E34CCD	Blankenship	262	12.0	04-29	250.0	13.4	10-29	248.6	-1.4
18N02E02CBA	Robinett	277	16.9	05-06	260.1	9.9	11-17	267.1	7.0
18N02E06BDB	James	265	16.5	05-06	248.5*	13.6	10-21	251.4*	2.9
18N02E14BCB	Morgan	274	9.6	05-06	264.4	22.5	11-17	251.5	-12.9
18N02E17CBB	Lemmons	265	9.0	04-30	256.0	10.8	10-21	254.2	-1.8
18N02E20BAA	James	275	20.0	04-30	255.0	22.5	10-21	252.5	-2.5
18N02E21CAA	Crisler	273	19.4	04-30	253.6	25.2	11-17	247.8	-5.8
18N02E25CAB	Ford	270	10.9	05-05	259.1	25.1	11-17	244.9	-14.2
18N02E26CBA	James	273	32.0	04-30	241.0	29.0	10-21	244.0	3.0
18N02E27CAB	French	271	21.9	04-30	249.1	22.7	11-17	248.3	-.8
18N02E32ABB	Crisler	271	20.2	04-30	250.8	22.0	11-17	249.0	-1.8
19N02E04ADD	Throesch	267	11.6	05-06	255.4	12.5	10-02	254.5	-.9
19N02E09ABA	Baltz	266	21.0	05-06	245.0*	24.0	10-02	242.0*	-3.0
19N02E17BDB	Thielemier	265	5.0	05-06	260.0	-----	-----	-----	----
19N02E22DAD	Rodgers	265	3.7	05-06	261.3	11.1	10-20	253.9	-7.4



TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER BELOW LAND SURFACE		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			FEET	DATE		FEET	DATE		

RANDOLPH COUNTY--CONTINUED

20N02E01DAC	Cagle	281	9.5	05-06	271.5	21.0	10-02	260.0	-11.5
20N02E14ADA	Johnston	274	9.2	05-06	264.8	18.5	10-02	255.5	-9.3
20N02E28BCD	Wren	269	6.3	05-06	262.7	10.2	10-02	258.8	-3.9
20N03E06DAC	Wren	280	10.3	05-06	269.7	12.2	10-20	267.8	-1.9
20N03E07AAD	Cagle	281	12.7	05-06	268.3	27.8	10-02	253.2	-15.1
20N03E29CBC	Lamb	280	12.5	05-06	267.5	22.5	10-02	257.5	-10.1
20N03E33CAC	Lamb	287	22.0	05-06	265.0	23.0	10-02	264.0	-1.0
20N03E33CCA	Lamb	287	18.7	05-06	268.3	20.7	10-02	266.3	-2.0
21N02E12BA	Lamb	---	11.0	05-06	---	21.0	10-02	---	---

ST. FRANCIS COUNTY

04N01E01DAC	Terry McGraw	210	49.0	04-08	161.0	50.0	11-06	160.0	-1.0
04N01E05AAC	O.P. Hammons	205	55.5	04-08	149.5	54.7	11-06	150.3	.8
04N01W20BBB	McKiney Dixon	200	47.6	04-09	152.4	49.0	11-06	151.0	-1.4
04N01W24DAD	Raymond Ealey	205	---	---	---	68.0	11-06	137.0*	---
04N01W25DBC	Libbie Pleasants	205	59.0	04-09	146.0	61.1	11-06	143.9	-2.1
04N02E20ACC	Earl Gore	210	47.0	04-08	163.0	48.0	11-06	162.0	-1.0
04N04E15ABA	Lakeside Farms	200	32.0	04-08	168.0	32.5	11-06	167.5	-.5
04N05E05AAA	Joe K. Meurrier	197	29.0	04-09	168.0	29.0	11-06	168.0	0.0
04N06E11ACB	James Soloman	195	12.9	04-09	182.1	13.5	11-06	181.5	-.6
05N01E04AAD	C.E. West	210	48.5	04-08	161.5	---	---	---	---
05N01E04DAD	C.E. West	210	---	---	---	49.7	11-06	160.3	---
05N02E04BCC	Delton Cummings	205	40.5	04-07	164.5	43.2	11-06	161.8	-2.7
05N02E06DBB	Bill Lindsey	210	---	---	---	51.1	11-06	158.9	---
05N03E18DCD	Bryon Holmes	220	---	---	---	63.0	11-06	157.0	---
05N03E19ABA	W.E. Harrison, Jr.	220	64.5	03-28	155.5	64.5	11-06	155.5	0.0

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986--CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		DEPTH TO WATER BELOW LAND SURFACE	ALTITUDE OF WATER LEVEL		NET CHANGE (FEET)
				(FEET)	DATE		(FEET)	DATE	
ST. FRANCIS COUNTY---CONTINUED									
05N05E21CBA	Sid Fogg	195	28.0	03-28	167.0	26.4	11-06	168.6	1.6
05N06E05BBB	W.C. Casey	195	24.7	03-27	170.3	25.3	11-06	169.7	- .6
06N01E23BDC	Pine Tree Exp. Stn.	210	52.0	04-09	158.0	51.5	11-06	158.5	0.5
06N02E16CCB	John Drury	210	50.0	04-08	160.0	48.0	11-06	162.0	2.0
06N02E18ABA	Calvin Frazier	210	46.0	04-08	164.0	47.0	11-06	163.0	-1.0
06N02E36DCD	B. Lindsey	230	57.0	04-10	173.0	-----	-----	-----	---
06N04E36CDC	David Blaylock	200	28.8	03-28	171.2	30.0	11-06	170.0	-1.2
06N05E19DAD	Charles Brown	200	30.1	04-08	169.9	30.0	11-06	170.0	.1
06N06E20AAB	Steve Bernard	205	23.5	03-27	181.5	23.5	11-06	181.5	0.0
WHITE COUNTY									
06N06W04BA	E. Vaughn	221	44.3	06-24	176.7	41.6	11-19	179.4	2.7
06N06W07BB	V. Johnston	205	19.5	06-24	185.5	20.3	11-19	184.7	- .8
06N06W13BA	B. Duch	213	38.5	06-24	174.5	40.0	11-19	173.0	-1.5
06N06W13DD	B. Duch	216	39.0	06-24	177.0	35.0	11-19	181.0	4.0
06N06W18BC	C. Powell	210	27.6	06-24	182.4	29.8	11-19	180.2	-2.2
WOODRUFF COUNTY									
05N01W13DDC	Melvin	210	56.4	04-21	153.6	59.0	08-25	151.0	-2.6
05N01W31BCB	Wilkes	210	47.3	04-21	162.7	50.1	08-25	159.9	-2.8
05N02W13ABD	Kennedy	195	39.9	04-21	155.1*	26.0	08-25	169.0*	13.9
05N03W25DDB	McMullan	190	8.6	04-29	181.4	11.7	08-24	178.3	-3.1
05N03W31CBA	Gardner	178	5.4	04-22	172.6	9.4	08-24	168.6	-4.0

TABLE 1.--WATER LEVELS IN WELLS COMPLETED IN THE ALLUVIAL AQUIFER, SPRING 1986 AND FALL 1986---CONTINUED

LOCATION	LAND OWNER	SPRING 1986				FALL 1986			
		ALTITUDE OF LAND SURFACE (FEET ABOVE SEA LEVEL)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	DEPTH TO WATER		ALTITUDE OF WATER LEVEL (FEET)	NET CHANGE (FEET)
			BELOW LAND SURFACE	DATE		BELOW LAND SURFACE	DATE		
			FEET			FEET			
WOODRUFF COUNTY---CONTINUED									
05N04W15	Pioneer Farm	175	----	----	----	12.4	10-29	162.6	---
06N01W03ACA	Ashburn	215	48.6	04-21	166.4	42.0	08-25	173.0	6.6
06N02W19AAA	Daniels	225	45.5	04-21	179.5	48.0	08-24	177.0	-2.5
06N04W22BDA	Rodgers	186	2.3	04-22	183.7	10.5	08-24	175.5	-8.2
07N01W04DBB	Childress	225	47.9	04-21	177.1	49.5	08-25	175.5	-1.6
07N02W16DBB	Burkett	206	17.2	04-21	188.8	21.0	08-25	185.0	-3.8
07N03W05ACA	Bowen	213	19.4	04-22	193.6	22.0	08-24	191.0	-2.6
07N03W06DBB	NIBCO	212	17.6	03-19	194.4	18.8	08-26	193.2	-1.2
07N03W31BBA	Gregory	200	9.7	04-22	190.3	11.4	08-24	188.6	-1.7
08N01W06CCD	Myer	220	29.9	04-21	190.1	32.6	08-25	187.4	-2.7
08N01W10AAA	Young	211	34.4	04-21	176.6	37.7	08-25	173.3	-3.3
08N02W15ACA	Jelk	209	16.2	04-21	192.8	19.0	08-25	190.0	-2.8
08N02W27DDB	Swanson	213	22.0	04-28	191.0	----	----	----	---
08N02W27DDC	Swanson	213	----	----	----	23.0	08-25	190.0	---
09N03W21DBD	Dale	220	16.0	04-25	204.0	11.5	08-24	208.5	4.5
09N03W24DBC	Rouse	212	5.3	04-21	206.7	9.5	08-24	202.5	-4.2
09N03W32ACA	Fitzhugh	217	14.9	04-21	202.1	16.6	08-26	200.4	-1.7