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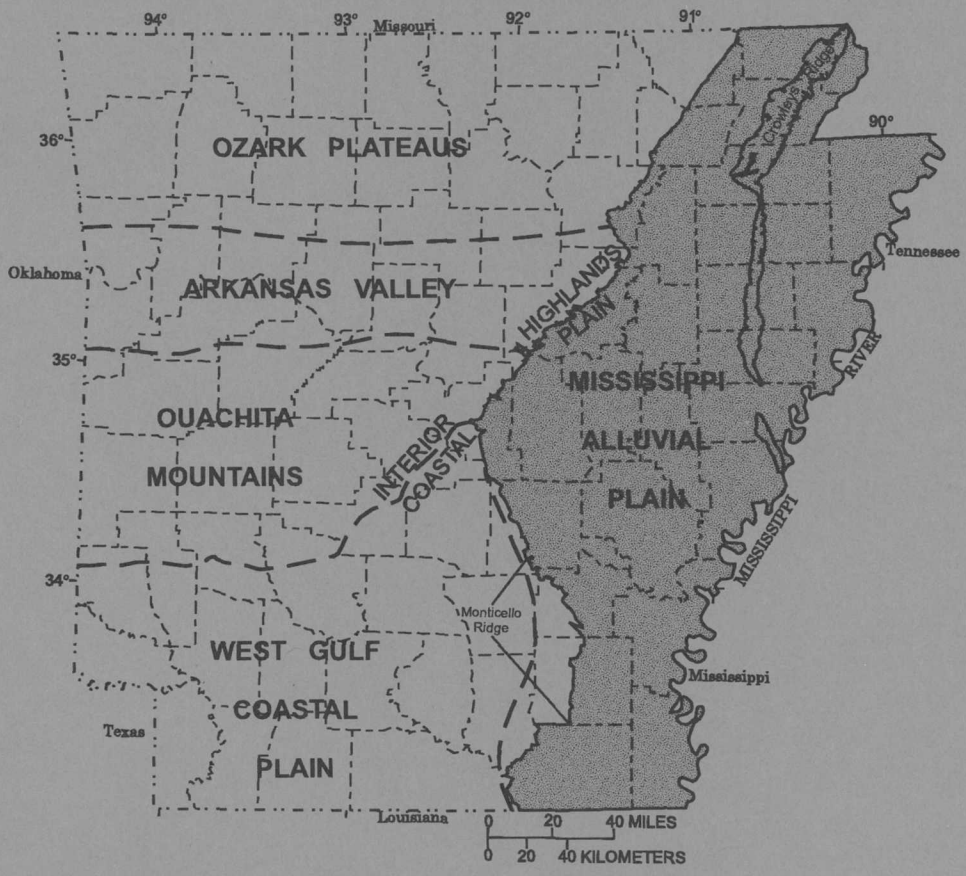
Arkansas Geological Commission

STATUS OF WATER LEVELS AND SELECTED WATER-QUALITY CONDITIONS IN THE MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER IN EASTERN ARKANSAS, 1994-96

Water-Resources Investigations Report 98-4131



U.S. Department of the Interior
U.S. Geological Survey

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by Gregory P. Stanton, Robert L. Joseph, and Aaron L. Pugh

U.S. GEOLOGICAL SURVEY
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Little Rock, Arkansas
1998

U.S. DEPARTMENT OF THE INTERIOR
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STATUS OF WATER LEVELS AND SELECTED WATER-QUALITY CONDITIONS IN THE MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER IN EASTERN ARKANSAS, 1994-96

By Gregory P. Stanton, Robert L. Joseph, and Aaron L. Pugh

ABSTRACT

During the spring of 1994 and 1996, water levels were measured in more than 600 wells completed in the Mississippi River Valley alluvial aquifer in eastern Arkansas. Water samples were collected during the summer of 1995 from about 375 wells completed in the alluvial aquifer and measured for specific conductance. Concentrations of dissolved chloride were analyzed in 314 of the samples, and concentrations of dissolved calcium, magnesium, and sodium were analyzed in 18 of the samples.

The regional direction of ground-water flow is generally to the south and east except where affected by ground-water withdrawals. A large depression in the potentiometric surface is located in Arkansas, Lonoke, and Prairie Counties. The comparison of water-level altitudes from 1994 to 1996 reveals that water levels declined and the cone of depression became larger. The water-level altitudes did not decline in every well monitored from 1994 to 1996; however, most water-level altitudes declined during this period and cones of depression became deeper. Shallower depressions are located in Poinsett, Lee, St. Francis, and Woodruff Counties. Potentiometric depressions in this aquifer generally are a result of long-term pumping and probably are affected by variations in aquifer characteristics such as thickness and hydraulic conductivity. Long-term water levels typically declined an average rate of about 1.2 feet per year in the areas of potentiometric depression.

Specific conductance ranged from 81 microsiemens per centimeter at 25 degrees Celsius in Drew County to 4,640 microsiemens per centimeter at 25 degrees Celsius in Chicot County. The lowest ground-water specific-conductance values generally occur along the western border of the study area. Several areas exhibited increased specific conductance with the most prominent areas centered in Chicot, Desha, and northern Arkansas County.

INTRODUCTION

The U.S. Geological Survey (USGS) conducted numerous studies of water levels and selected water-quality conditions in the alluvial aquifer in eastern Arkansas during 1994-96. The Mississippi Alluvial Plain (fig. 1) encompasses an area of approximately 32,000 square miles and includes parts of Arkansas, Illinois, Kentucky, Louisiana, Mississippi, Missouri, and Tennessee. Approximately 54 percent of the Mississippi Alluvial Plain covers the eastern one-third of Arkansas. The Mississippi River Valley alluvial aquifer (herein referred to as the alluvial aquifer) underlies the Mississippi Alluvial Plain in eastern Arkansas. Within Arkansas, the alluvial aquifer extends from the Missouri State line south to the Louisiana State line, and from the Mississippi River west to the Fall Line (the physiographic boundary between the Coastal Plain and the Interior Highlands), the Monticello Ridge (a topographic feature in southeastern Arkansas), and the Ashley County line (fig. 1).

Since 1900, the land use in eastern Arkansas has become more agricultural, with production consisting predominately of rice, soybeans, cotton, and in recent years aquaculture, all of which are highly dependent on the availability of water. Eastern Arkansas receives sufficient precipitation to support these crops,

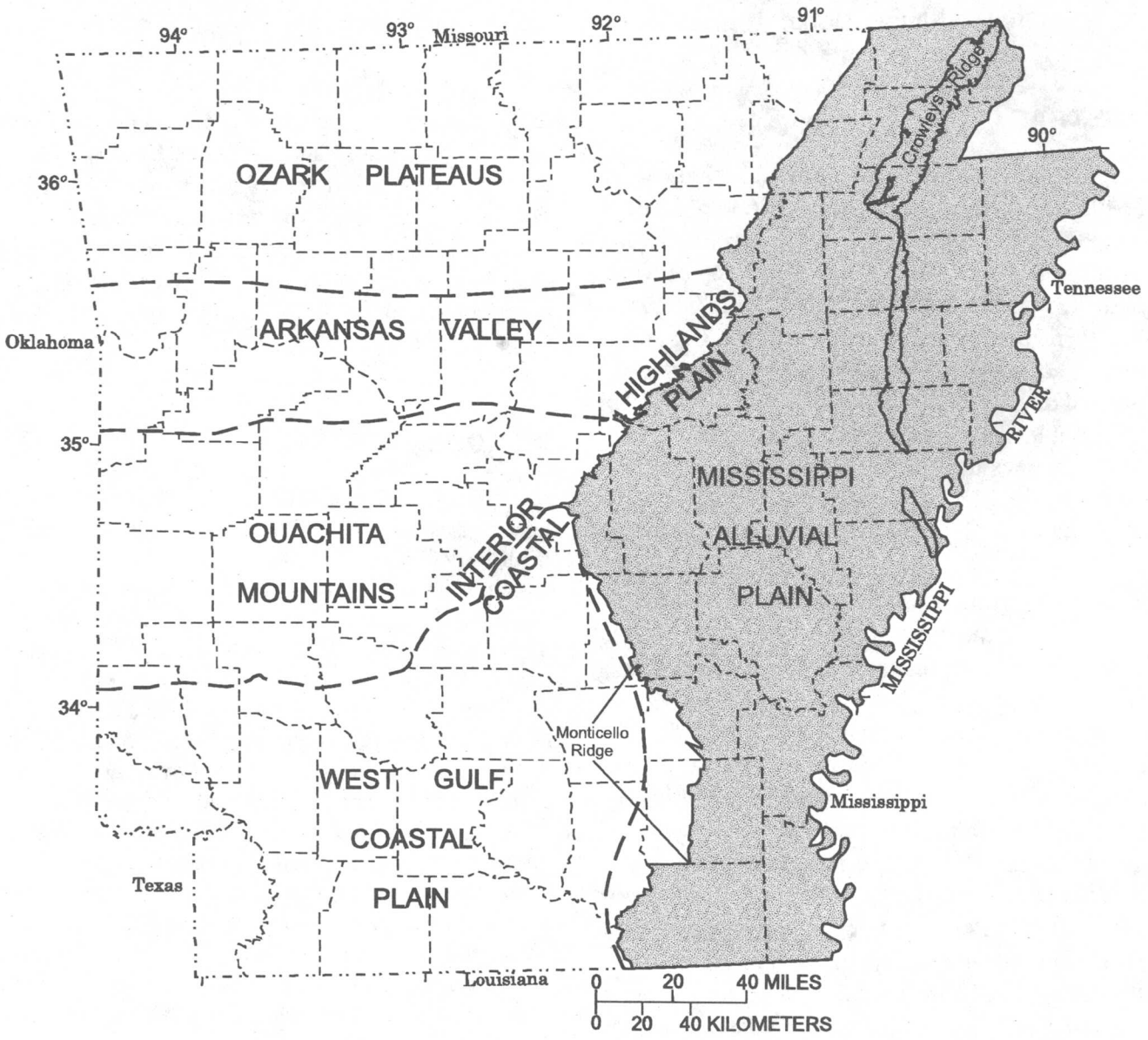


Figure 1. Location of study area (modified from Fenneman, 1938).

receiving an average 46 to 54 inches of precipitation annually (Freiwald, 1984). However, during a critical portion of the growing season from late spring through early summer most precipitation in eastern Arkansas falls as rain from widely scattered thunderstorms. Until recently, farmers were increasingly relying on irrigation water from the alluvial aquifer. In 1985, withdrawals from the alluvial aquifer in Arkansas totaled about 3,500 million gallons of water per day (Mgal/d) (Baker, 1991), whereas in 1990 (Holland, 1993) and 1995 (T.W. Holland, U.S. Geological Survey, written commun., 1997) withdrawals stabilized at about 4,300 Mgal/d.

The U.S. Geological Survey, in cooperation with the Arkansas Soil and Water Conservation Commission (ASWCC) and the Arkansas Geological Commission, conducted a study of water levels and selected water-quality conditions in the alluvial aquifer in eastern Arkansas. The U.S. Department of Agriculture-Natural Resources Conservation Service (NRCS) also measured water levels in wells completed in the alluvial aquifer and provided these data to the ASWCC. These data were made available to the USGS and were incorporated into the database used to develop potentiometric-surface maps for the spring of 1994 and 1996. In the spring of 1994, a total of 615 water-level measurements were collected, 236 by the USGS and 379 by the NRCS. In the spring of 1996, a total of 630 water-level measurements were collected, 263 by the USGS and 367 by the NRCS.

The USGS collected and measured water samples for specific conductance from about 375 wells completed in the alluvial aquifer during the summer of 1995. Concentrations of dissolved chloride were analyzed in 314 of the samples, and concentrations of dissolved calcium, magnesium, and sodium were analyzed in 18 of the samples. These measurements provided information for the creation of a specific-conductance map, and for supplementing a database of selected water-quality constituents for the alluvial aquifer. This report presents the results of these studies including maps, long-term hydrographs, and a water-quality data table.

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.

AQUIFER DESCRIPTION

The alluvial aquifer comprises alluvial and terrace deposits of Quaternary age (Ackerman, 1989). Lithologically, the Quaternary alluvial and terrace deposits are similar, consisting of unconsolidated sediments that grade from gravel and coarse sand in the lower sections to silt and clay in the upper sections (Boswell and others, 1968). The coarse sediments in the lower sections of the alluvial and terrace deposits are the materials that compose the alluvial aquifer and lend the aquifer its productive hydraulic properties (Ackerman, 1989). The finer sediments in the upper sections of the alluvial and terrace deposits form a confining layer over much of the aquifer. These finer sediments are thin or have been completely removed by erosion in some areas, especially in areas near the Arkansas, White, St. Francis, and other large rivers within the study area (Gonthier and Mahon, 1993). Channel fill, point bar, and backswamp deposits associated with present or former channels of these rivers have produced abrupt changes in lithology and result in large spatial variations in the aquifer's hydraulic properties.

Sedimentary rocks and unconsolidated sediments of Tertiary age or older underlie the alluvial aquifer and have been deformed by geological processes into an undulating surface (Mahon and Poynter, 1993). In most areas, these undulating deposits are less permeable than the overlying Quaternary alluvial and terrace deposits and form the confining unit below the alluvial aquifer (Boswell and others, 1968).

The Quaternary alluvial and terrace deposits are bisected in the northern half of the study area by Crowleys Ridge, an erosional remnant of deposits of Tertiary age trending north-south from the Missouri-Arkansas border to northeastern Phillips County. Crowleys Ridge is a prominent topographic feature on the other

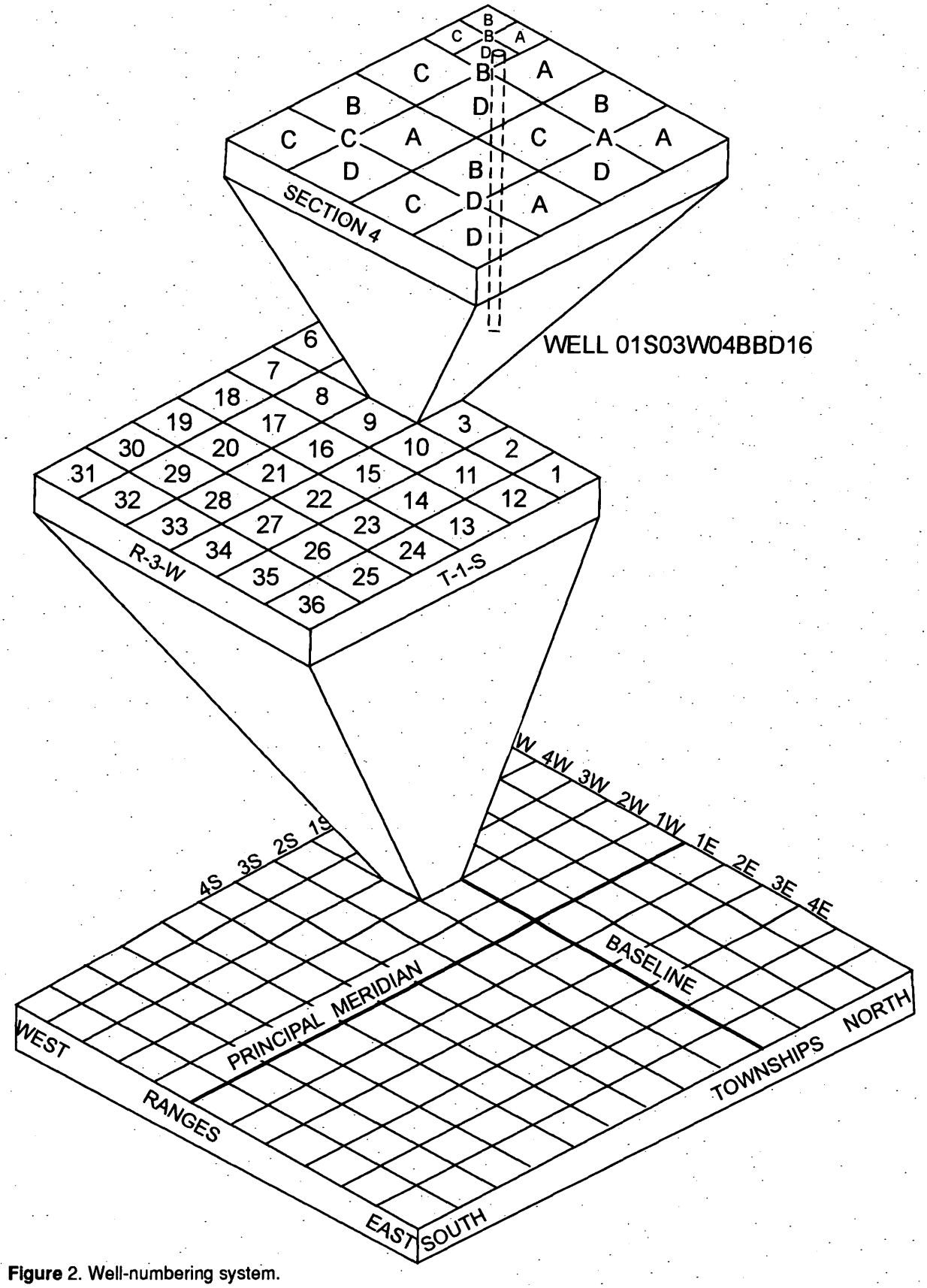


Figure 2. Well-numbering system.

wise low-relief surface of the Mississippi Alluvial Plain and forms a physical barrier to ground-water flow in the alluvial aquifer.

POTENTIOMETRIC SURFACES

The potentiometric-surface maps show the altitude to which water would rise in tightly cased wells screened in the aquifer (plates 1 and 2). The map on plate 1 is based on 615 water-level measurements made during the spring of 1994 (appendix 1). The map on plate 2 is based on 630 water-level measurements mostly measured during the spring of 1996 (appendix 2). The surfaces were mapped by determining the altitude of the water levels measured in the wells and are represented on the maps by contours that connect points of equal value. The general direction of ground-water flow is perpendicular to the contours in the direction of downward hydraulic gradient.

The regional direction of ground-water flow is generally to the south and east except where affected by intense ground-water withdrawals. In 1994, the highest water-level altitude measured (about 306 feet above sea level[1]) was in Clay County near the northern boundary of the study area. The lowest water-level altitude measured (about 77 feet above sea level) was in Ashley County near the southern boundary of the study area. In 1996, the highest water-level altitude measured (about 297 feet above sea level) was in Clay County. The lowest water-level altitude measured (about 75 feet above sea level) was in Ashley County. A large, elongate cone of depression with a minimum measured altitude (1996) of about 82 feet above sea level extends across Arkansas, Lonoke, and Prairie Counties. The comparison of water-level altitudes from 1994 to 1996 reveals that water levels declined and the cone of depression became larger in Arkansas, Lonoke, and Prairie Counties. Two shallower depressions in the potentiometric surface occur in portions of Poinsett, Lee, St. Francis, and Woodruff Counties. The comparison of water-level altitudes from 1994 to 1996 reveals that water levels declined and the two cones of depression became larger. Potentiometric depressions in this aquifer generally are a result of long-term pumping and probably are affected by variations in aquifer characteristics such as thickness and hydraulic conductivity. The water-level altitudes did not decline in every well monitored from 1994 to 1996; however, most water-level altitudes declined during this period and cones of depression became deeper.

LONG-TERM WATER-LEVEL CHANGES

About 40 years of water-level data from three selected alluvial wells in Arkansas and Poinsett Counties and about 25 years of water-level data from four additional alluvial wells in Ashley, Cross, Lonoke, and Monroe Counties were plotted to illustrate the history of water levels in the study area. Water levels showed an average decline rate of 1.2 feet per year at locations in Cross County from 1961 to 1996 and Poinsett County from 1958 to 1996 (hydrographs C, F, & G; fig. 3 and plate 2), which are located in a potentiometric depression. A well (hydrograph D) located near a potentiometric high on the western edge of the study area in Lonoke County had a water-level decline of about 1.2 feet per year from 1969 to 1996. A well (hydrograph E) at a location in Monroe County in a slight potentiometric depression had a water-level decline of about 0.5 foot per year from 1973 to 1996.

Water levels in Arkansas County (hydrograph A; 1956 to 1996) and Ashley County (hydrograph B; 1971 to 1996) showed water-level decline rates of 0.2 foot per year at some locations. The Arkansas County well is located near the center of an elongate depression which extends north into Prairie County. The Ashley County well is located in the southern part of the study area. Historical water-level data, as reflected in selected hydrographs (fig. 3), illustrate the development of cones of depression as the potentiometric surface has been lowered by intense pumping.

SPECIFIC CONDUCTANCE AND DISSOLVED CHLORIDE

Water samples were collected from selected alluvial aquifer wells and measured onsite for specific conductance. Selected samples then were analyzed for dissolved chloride, calcium, magnesium, and sodium at the USGS National Water-Quality Laboratory in Arvada, Colorado.

[1]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.

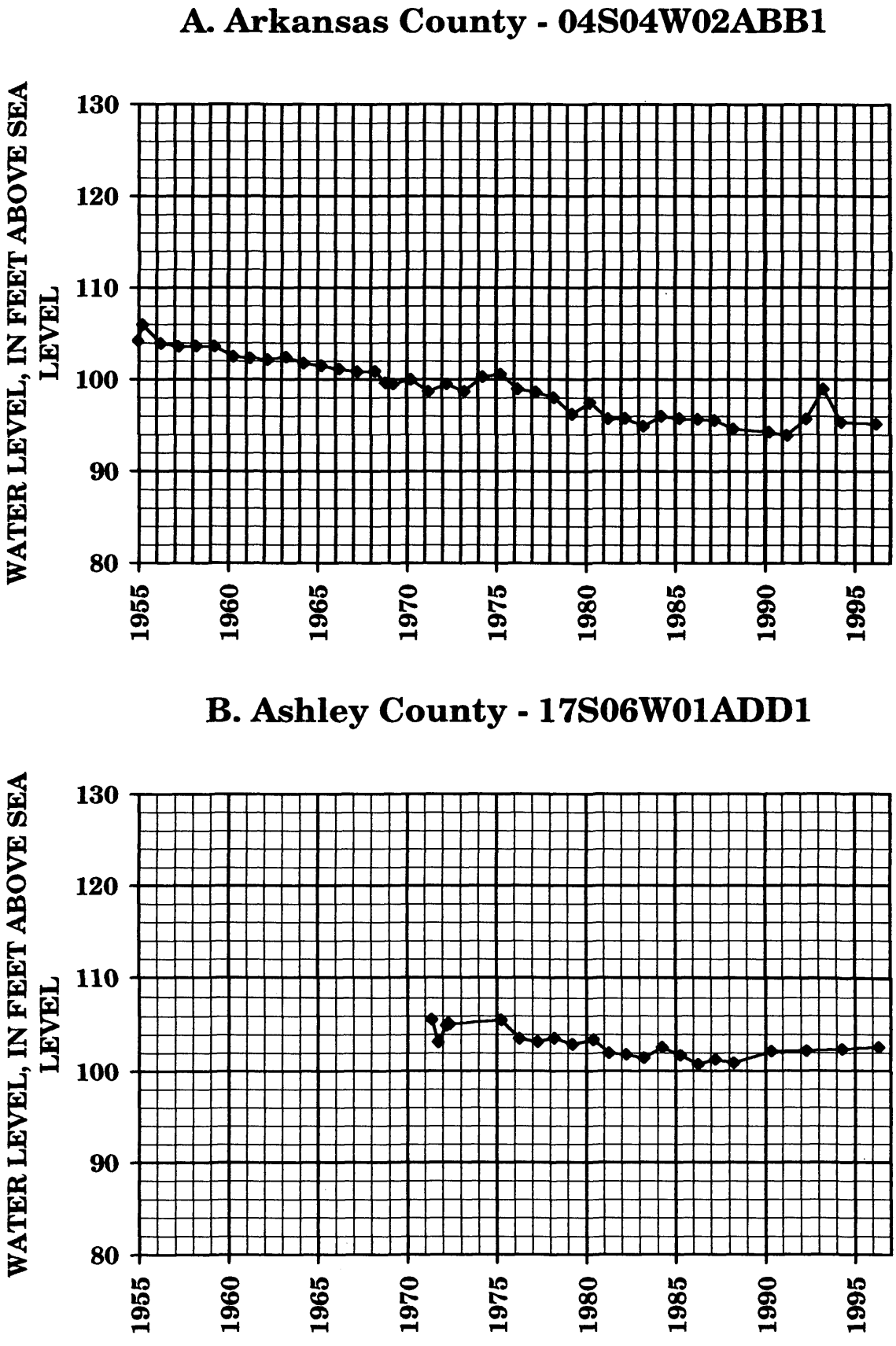
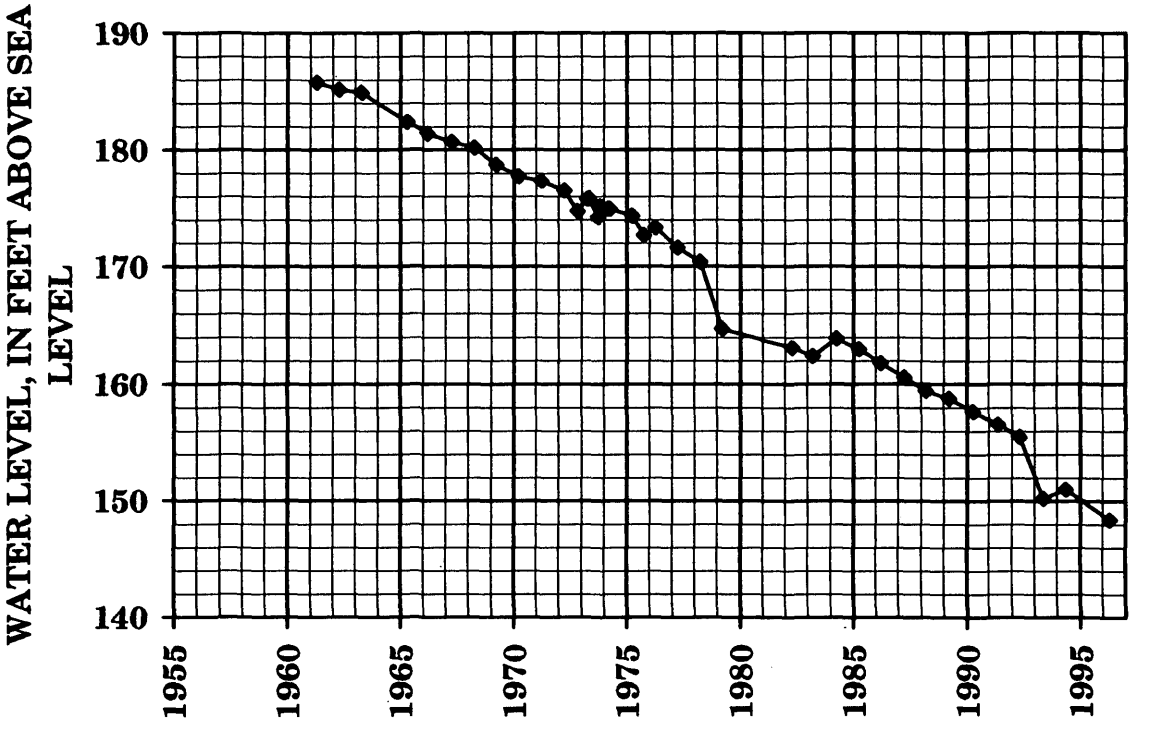


Figure 3. Water-level hydrographs for selected wells in the alluvial aquifer (page 1 of 4).

C. Cross County - 09N03E17DDC1



D. Lonoke County - 02N09W17CCB1

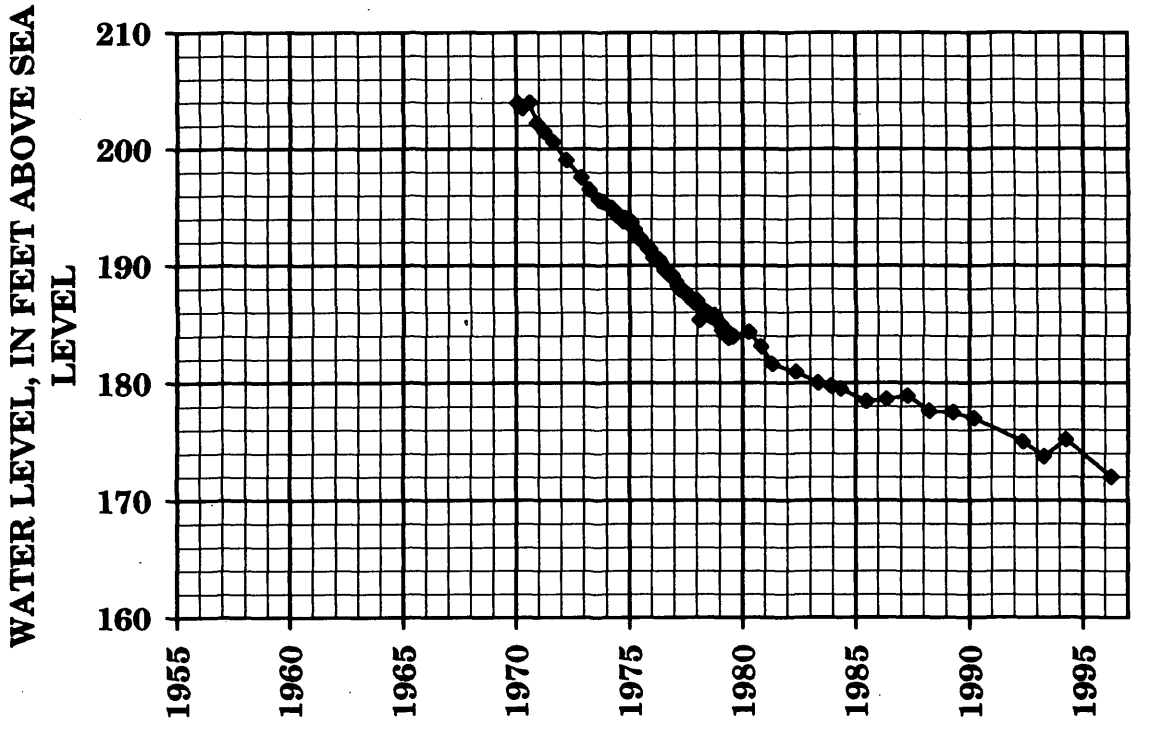
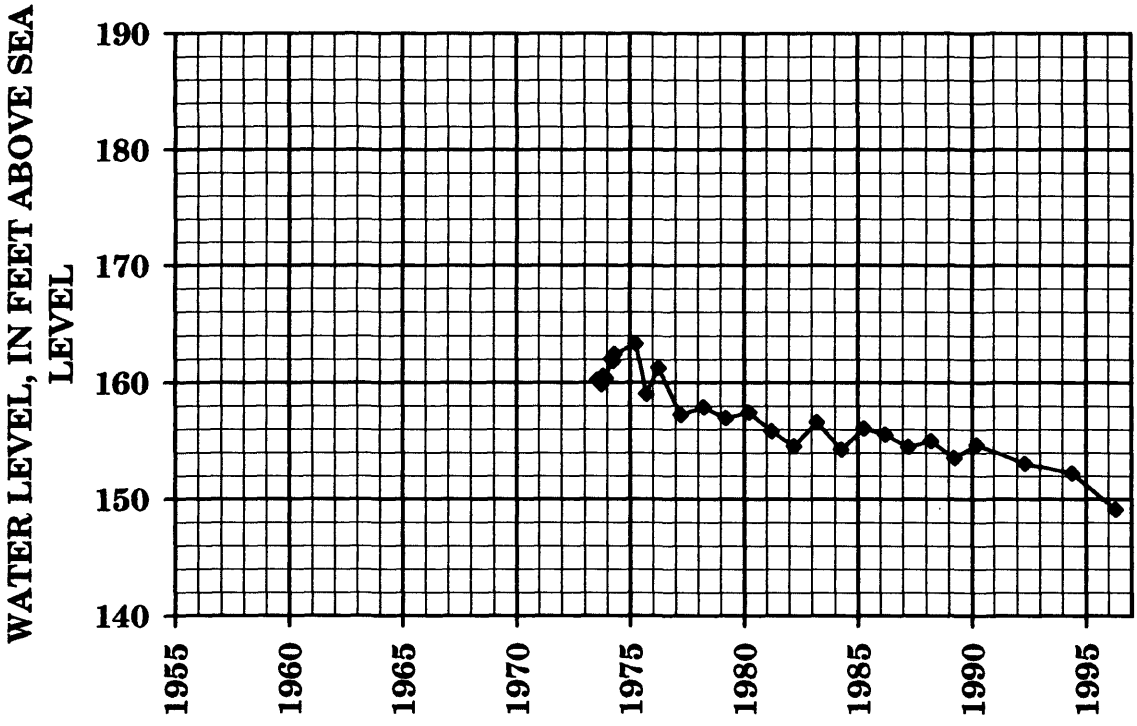


Figure 3. Water-level hydrographs for selected wells in the alluvial aquifer (page 2 of 4).

E. Monroe County - 03N01W20ABA1



F. 11N02E26AAB1- Poinsett County

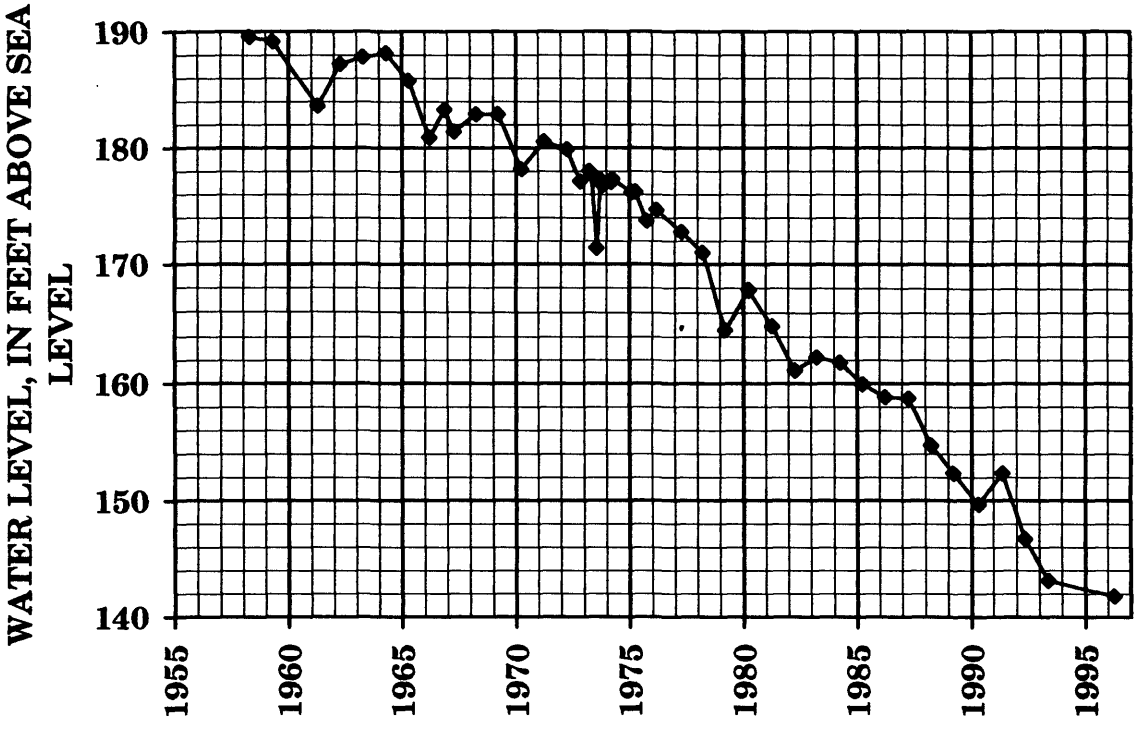


Figure 3. Water-level hydrographs for selected wells in the alluvial aquifer (page 3 of 4).

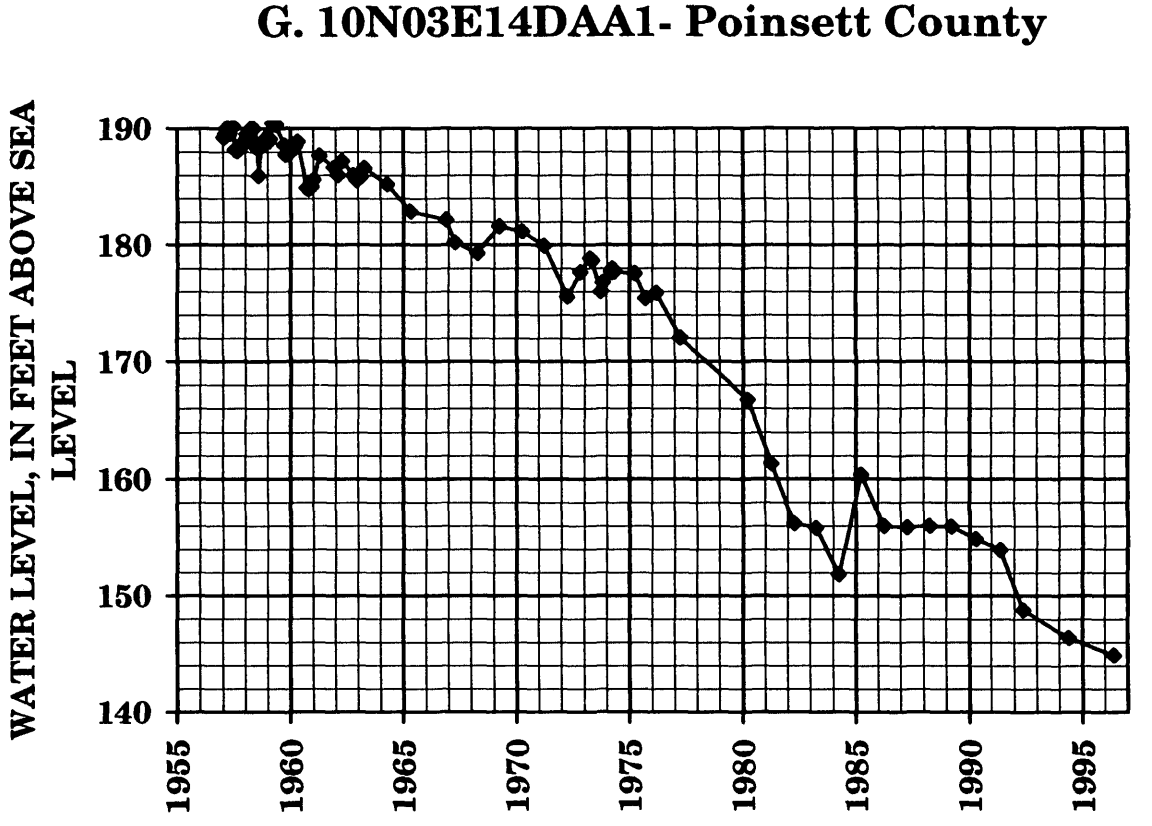


Figure 3. Water-level hydrographs for selected wells in the alluvial aquifer (page 4 of 4).

The specific-conductance map shows lines of equal specific conductance of water from the alluvial aquifer within the study area (plate 3). The map is based on about 375 specific conductance measurements collected during June through August 1995 from wells that are open to the alluvial aquifer (appendix 3). Of these wells, 314 were sampled for dissolved chloride and 18 were sampled for dissolved calcium, magnesium, and sodium (appendix 3). Most wells sampled were being used for irrigation at the time of sampling. Wells were pumped for at least 1 hour or until water temperature stabilized before the water sample was collected.

Specific-conductance data indicate regional variations of salinity within the alluvial aquifer across the study area (plate 3). Specific conductance ranged from 81 µS/cm in Drew County to 4,640 µS/cm in Chicot County. Ground water in the alluvial aquifer generally has a relatively lower specific conductance along the western border of the study area. There are several areas of high specific conductance (greater than 2,000 µS/cm); the most prominent areas are centered in Chicot and Desha Counties and northern Arkansas County.

Generally, the occurrences of high specific conductance in the alluvial aquifer probably involve the migration of saline water from a source or sources at depth (Bryant and others, 1985). The means by which saline water migrates into the alluvial aquifer in Chicot, Desha, and Arkansas Counties are not clearly understood. The saline water may have moved upward where the underlying confining beds are thin or absent, along faults, or through unplugged casings of abandoned oil and gas test wells (Fitzpatrick, 1985). Morris and Bush (1986) cite two possible sources of saline water occurrence in northern Monroe County—a zone of groundwater stagnation present in the alluvial aquifer caused by localized restricted horizontal or vertical flow, and upward movement of saline water from deeper formations in response to pumping.

Chloride concentrations ranged from 2.2 milligrams per liter (mg/L) in Crittenden County to 1,200 mg/L in Chicot County (appendix 3). The highest chloride sample in Chicot County also had the highest specific conductance (4,640 µS/cm). Of the 10 highest chloride concentrations analyzed, 6 were from Chicot County. The mean and median chloride concentrations were 41.9 mg/L and 12 mg/L, respectively.

Ratios of chloride concentration to specific conductance were extremely variable across the study area. Ratios of chloride concentrations, in milligrams per liter, to specific conductance, in microsiemens per centimeter at 25 degrees Celsius, ranged from 0.005 to 0.478 with a mean of about 0.109. Therefore specific conductance cannot be used to accurately estimate chloride concentrations across the study area. However, the areas of greatest chloride concentrations generally coincide with areas of greatest specific conductance. In general, chloride concentrations exceed 100 mg/L in areas where specific conductance exceeds 1,200 µS/cm.

SUMMARY

Until recently the Mississippi River Valley alluvial aquifer was increasingly relied upon for agriculture and aquaculture irrigation in eastern Arkansas. In 1985, withdrawals from the alluvial aquifer in Arkansas totaled about 3,500 Mgal/d, whereas in 1990 and 1995 withdrawals stabilized at about 4,300 Mgal/d.

During the spring of 1994 and 1996, water levels were measured in more than 600 wells completed in the alluvial aquifer in eastern Arkansas. Water samples also were collected during the summer of 1995 from about 375 wells completed in the alluvial aquifer. Dissolved chloride was analyzed in 314 samples, and concentrations of dissolved calcium, magnesium, and sodium were analyzed in 18 of the samples.

The regional direction of ground-water flow generally is to the south and east except where affected by intense ground-water withdrawals. A large depression in the potentiometric surface is located in Arkansas, Lonoke, and Prairie Counties; shallower depressions are located in Poinsett, Lee, St. Francis, and Woodruff Counties. The comparison of water-level altitudes from 1994 to 1996 reveals that water levels declined and the cone of depression became larger. The water-level altitudes did not decline in every well monitored from 1994 to 1996; however, most water-level altitudes declined during this period and cones of depression became deeper. Potentiometric depressions in the aquifer generally are a result of long-term pumping and probably are affected by variations in aquifer characteristics such as thickness and hydraulic conductivity.

As illustrated by selected well hydrographs, water levels have shown average decline rates of 1.2 feet per year at some locations in Poinsett County (1958 to 1996), Cross (1961 to 1996) and Lonoke Counties (1969 to 1996), and about 0.5 foot per year at a location in Monroe County (1973 to 1996). Water levels in Arkansas County (hydrograph A; 1956 to 1996) and Ashley County (hydrograph B; 1971 to 1996) showed water-level decline rates of 0.2 foot per year at some locations.

Specific conductance ranged from 81 µS/cm in Drew County to 4,640 µS/cm in Chicot County. Ground water in the alluvial aquifer generally has a lower specific conductance along the western border of the study area. There are several areas of high specific conductance, the most prominent centered in Chicot, Desha, and northern Arkansas County. The means by which saline water migrates into the alluvial aquifer is not clearly understood. Possible explanations include a zone of ground-water stagnation caused by localized restricted horizontal or vertical flow, or upward movement of saline water (through confining beds, along faults or through unplugged casings of abandoned oil and gas test wells) in response to pumping.

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APPENDIX 1

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
				Arkansas County				
02S03W09DCD1	343204	911951	USGS	140	211	70.61	158	3/29/94
02S04W11DBB1	343232	912417	USGS	116	213.04	96.6	152	3/29/94
02S05W04BBB1	343359	913319	USGS	86	221	135.5	149	3/29/94
03S02W18DCC1	342546	911554	USGS	114	203	88.62	--	3/29/94
03S02W27ABB1	342448	911252	USGS	130	197	66.78	87	3/29/94
03S04W03DCA16	342649	912519	USGS	107	205	98.31	126	3/29/94
03S06W35ADD1	342416	913651	USGS	130	190	60.03	--	3/31/94
03S06W35ADD1	342416	913651	USGS	130	190	60.03	--	3/31/94
04S01W04ACD2	342234	910731	USGS	152	155	3.29	52.4	3/29/94
04S01W30AAA1	341929	910920	USGS	134	188	53.98	--	3/29/94
04S02W11AAA1	342207	911125	USGS	133	195.08	61.61	--	3/29/94
04S02W29CCC1	341846	911536	USGS	112	191	79.2	--	3/29/94
04S03W17ADD1	342101	912057	USGS	99	200	100.59	--	3/29/94
04S03W32BCB1	341832	912158	USGS	89	192	103.5	--	3/29/94
04S04W02ABB1	342312	912426	USGS	95	200	104.68	--	3/29/94
04S05W16CDC1	342047	913326	USGS	132	201	68.63	--	3/28/94
04S05W24DAA1	341957	912935	USGS	107	198	90.79	--	3/28/94
04S06W15DBB1	342122	913826	USGS	160	190	29.6	100	3/31/94
05S01W18BCC1	341521	911019	USGS	136	187	50.59	--	3/29/94
05S02W16ABD1	341553	911359	USGS	116	190	73.66	154	3/28/94
5S03W16ABA1	341600	912015	USGS	103	197	94	145	4/06/94
05S04W07CCC1	341556	912931	USGS	117	194	77.18	--	3/28/94
05S04W32BBA1	341311	912820	USGS	125	191	65.85	--	3/28/94
05S06W02DDD1	341723	913649	USGS	165	182.93	18.08	60	3/31/94
05S06W07DDC1	341637	914128	USGS	170	180.48	10.28	32	4/04/94
06S02W23DCD1	340855	911159	USGS	136	188	52.32	--	3/28/94
06S03W10BBA1	341137	911951	USGS	102	184	81.59	155	3/24/94
06S03W27AAA1	340857	911811	USGS	124	183.14	59.57	132	3/28/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
06S04W18CBB1	341014	912938	USGS	153	190.43	37.23	--	3/28/94
07S02W17BBA1	340529	911548	USGS	138	184	45.52	95	3/28/94
07S03W18CCD1	340440	912312	USGS	157	186.18	28.76	--	3/28/94
07S04W01DDD1	340622	912324	USGS	155	186	31.13	155	3/28/94
08S02W08ACA1	340040	911506	USGS	150	179	28.95	--	3/28/94
08S03WT2299	340146	912201	USGS	152	178	25.74	158	3/28/94
04S04W14CCC1	342037	912505	NRCS	91	202	111	--	4/06/94
05S04W14AAD1	341549	912411	NRCS	93	188	95	160	4/06/94
05S04W34BAC1	341309	912603	NRCS	118	191	73	142	4/06/94
06S02W03ABA1	341227	911301	NRCS	119	187	68	--	4/06/94
07S03W10ACD1	340558	911927	NRCS	126	181	55	--	4/06/94
				Ashley County				
15S04W23DBD1	332245	912852	USGS	100	128	27.54	--	4/14/94
16S06W27BAB1	331729	914240	USGS	105	182	77.45	115	4/13/94
17S04W03ABB1	331528	913010	USGS	104	124	20.18	105	4/14/94
17S04W21ABA1	331252	913108	USGS	102	117	14.78	--	4/14/94
17S07W05CDD1	331501	915049	USGS	88	185	97.07	--	4/13/94
17S06W01ADD1	331518	913956	USGS	102	182	79.66	144	4/13/94
18S08W01AAB1	331015	915224	USGS	98	181	83.02	128	4/13/94
18S08W28DDD2	330624	915528	USGS	77	163.26	85.93	156	3/18/94
19S04W06BAB2	330504	913330	USGS	96	110	13.83	98	4/13/94
19S06W07BCC1	330404	914607	USGS	105	134.7	30.11	--	4/13/94
16S04W21AAC1	331757	913050	NRCS	104	130	26.5	100	3/29/94
16S05W35DDA1	331549	913452	NRCS	113	125	12.5	100	3/29/94
18S05W11CCD1	330841	913538	NRCS	100	118	17.7	100	3/28/94
18S05W22DDA1	330712	913555	NRCS	95	110	15.5	100	3/28/94
19S04W14BBB1	330310	912913	NRCS	92	107	14.9	100	3/28/94
19S04W23DDD1	330658	912856	NRCS	96	110	14.3	100	3/29/94
19S05W08ACA1	330405	913815	NRCS	100	111	10.8	--	3/28/94
19S05W16ABB1	330323	913718	NRCS	96	116	19.7	100	3/28/94
19S05W22DCD1	330139	913615	NRCS	92	107	15	--	3/28/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
				Chicot County				
13S03W35BAC1	333154	912245	USGS	110	134	24.44	90	4/07/94
14S03W32DCB1	332613	912551	USGS	104	134	29.98	90	4/08/94
15S03W24AAA1	332311	912119	USGS	91	115	24.27	--	4/08/94
17S02W10AAA1	331429	911712	USGS	85	114	28.63	90	4/08/94
18S01W19DAB1	330706	911422	USGS	98	110	11.76	--	4/08/94
18S03W22ABA2	330728	912341	USGS	94	103	8.69	85.5	4/08/94
19S01W17BCC1	330249	911406	USGS	90	106	16.4	120	4/08/94
13S03W27AAA1	333253	912310	NRCS	111	138	27	--	4/19/94
14S02W09BD	332941	911757	NRCS	108	132	24	--	4/18/94
14S02W18BBA1	332921	912034	NRCS	109	130	21	--	4/19/94
15S01W31ADD1	332051	911412	NRCS	102	120	18	--	4/20/94
15S02W20DDC1	332223	911916	NRCS	105	125	20	--	4/19/94
15S03W13ACC1	332405	912200	NRCS	102	123	21	--	4/19/94
16S01W12DDB1	331851	910900	NRCS	90	110	20	--	4/21/94
16S03W11ABA1	331944	912234	NRCS	92	115	23	--	4/20/94
17S03W18CBC1	331312	912733	NRCS	88	115	27	--	4/20/94
17S03W28ACC1	331126	912454	NRCS	85	105	20	--	4/21/94
18S01W33BDA1	330530	912458	NRCS	98	115	17	--	4/21/94
19S02W28DAC1	330044	911834	NRCS	85	125	40	--	4/21/94
				Clay County				
18N08E11AB1	361258	901102	USGS	254	259	5.2	100	4/26/94
19N03E24AAA1	361654	904157	USGS	260	278	18.39	--	5/02/94
19N05E15CB1	362230	902358	USGS	263	286	22.9	110	4/26/94
19N08E02ABB1	361858	901103	USGS	264	269	5.14	--	5/03/94
20N05E34DBA1	361938	903116	USGS	265	285	19.6	110	5/02/94
20N08E24DDA1	362055	900929	USGS	270	276	5.87	110	5/03/94
21N03E15CBC1	362738	904453	USGS	283	292	8.6	90	4/26/94
21N05E17ABB1	362759	903324	USGS	287	300	12.53	105	5/02/94
21N06E11BB1	362937	901638	USGS	292	296	4.5	100	4/26/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
21N08E04DD1	362901	901328	USGS	306	310	4.5	120	4/26/94
21N08E36ABB1	362502	900958	USGS	283	283	0	90	5/03/94
21N09E31BA1	362506	900858	USGS	282	284	2.5	100	4/26/94
19N04E11DAA1	361805	903621	NRCS	264	280	15.7	--	4/26/94
19N06E18DBC1	361642	902815	NRCS	268	292	24.5	--	4/26/94
19N07E25BCB1	361519	901700	NRCS	259	272	13.5	--	4/26/94
19N08E08DCA1	361729	901402	NRCS	259	263	4	--	4/26/94
19N09E19CDC1	361537	900919	NRCS	260	265	4.7	--	4/26/94
20N04E03AAC1	362433	903716	NRCS	277	290	13.1	--	4/26/94
20N05E15CAA1	362211	903126	NRCS	271	291	20	--	4/26/94
20N05E22CAD1	362118	903132	NRCS	271	291	20	--	4/26/94
20N06E09BBA1	362325	902620	NRCS	278	290	12.3	--	4/26/94
20N06E28CDD1	362003	902608	NRCS	273	292	16.9	--	4/26/94
20N08E22BDA1	362122	901212	NRCS	273	279	6.5	--	4/26/94
20N09E09ABC1	362306	900642	NRCS	275	279	4	--	4/26/94
21N03E36CDC1	362447	904227	NRCS	278	290	12.3	--	4/26/94
21N04E09DAC1	362825	903840	NRCS	286	291	4.7	--	4/26/94
21N07E01DCD1	362835	901607	NRCS	298	303	5.5	--	4/26/94
21N07E19BDA1	362640	902148	NRCS	284	295	11.2	--	4/26/94
				Craighead County				
13N01E23CA1	354430	905736	USGS	187	245	58.1	118	3/28/94
13N02E15BB2	354547	905220	USGS	172	245	73.5	120	4/26/94
13N03E09BAA1	354638	904642	USGS	176	267	91.25	107	5/24/94
13N04E12ABB1	354635	903656	USGS	213	231	18.3	110	5/26/94
13N05E21BDD1	354437	903357	USGS	214	226	12.31	147	5/25/94
13N05E24BAC1	354451	903045	USGS	213	224	11.5	19	3/29/94
13N07E05AB1	354716	902158	USGS	222	227	5.3	100	4/26/94
13N07E20BBA1	354439	902216	USGS	219	223.2	4.17	22.3	5/25/94
14N02E18BDD1	355049	905506	USGS	202	242	39.72	120	5/24/94
14N05E11AA1	355155	903106	USGS	224	240	16.2	185	4/26/94
14N05E23DA1	354944	903107	USGS	220	238	17.9	140	4/26/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
14N05E25ABB1	354921	903026	USGS	218	238	19.86	--	5/25/94
14N06E06BB1	355238	902948	USGS	224	240	15.9	125	4/26/94
14N06E20CCD1	354921	902812	USGS	219	226	7.01	150	5/25/94
14N06E27AAB1	354912	902559	USGS	224	225.93	2.08	30.3	5/25/94
14N07E26DAB1	354828	901838	USGS	223	227	4.5	--	5/25/94
15N03E19ADA1	355506	904802	USGS	226	262	35.67	116	5/25/94
15N03E31AD1	355313	904805	USGS	226	270	43.8	117	4/13/94
15N05E22BB1	355517	903248	USGS	234	260	26.2	197	4/25/94
15N05E32AB1	355332	903433	USGS	232	250	18	140	4/25/94
13N01E03AAA1	354739	905753	NRCS	198	240	42.5	128	3/22/94
13N01E21CA	354444	905944	NRCS	182	240	58	120	3/22/94
13N02E02AAB1	354733	905036	NRCS	177	251	74.4	130	4/26/94
13N02E03AAA1	354733	905129	NRCS	176	250	73.8	101	4/26/94
13N03E10AD1	354608	904500	NRCS	188	263	74.8	--	4/28/94
13N03E28CDA1	354318	904646	NRCS	160	250	90.4	121	3/29/94
13N04E15DCC1	354456	903910	NRCS	210	230	20.2	130	3/29/94
13N04E26BCC1	354335	903834	NRCS	203	225	22.3	100	3/29/94
13N05E02CC1	354648	903202	NRCS	220	230	10.5	120	4/26/94
13N05E06DCC1	354638	903551	NRCS	213	229	16.3	110	3/29/94
13N06E03ACB1	354714	902614	NRCS	220	221	1.5	105	3/29/94
13N06E21CBD1	354422	902745	NRCS	217	222	4.1	100	3/29/94
13N07E10AA1	354614	901930	NRCS	222	225	3	120	4/26/94
13N07E23BC1	354410	901915	NRCS	218	225	6.7	120	4/26/94
13N07E35ADD1	354227	901821	NRCS	212	221	9.1	--	4/26/94
14N01E03ACB1	355244	905816	NRCS	209	249	40	--	3/22/94
14N01E10BAB1	355204	905828	NRCS	207	246	38.9	96	3/22/94
14N01E31DAB1	354810	910121	NRCS	205	251	46.5	126	3/22/94
14N02E15DDA1	355018	905124	NRCS	193	255	62	132	3/22/94
14N02E22AAD1	355002	905126	NRCS	193	255	61.9	132	3/22/94
14N05E29BAB1	354913	903456	NRCS	219	236	17	120	3/29/94
14N07E07BBC1	355124	902323	NRCS	225.5	230	4.5	98	4/25/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
14N07E14DD1	354954	901923	NRCS	225	230	5.5	--	4/25/94
15N02E01CAB1	355732	904955	NRCS	231	253	21.9	100	4/13/94
15N02E12ABC1	355656	904934	NRCS	225	250	25.1	120	4/13/94
15N06E04ABB1	355752	902656	NRCS	227	235	8.3	104	4/25/94
15N07E10DA	355622	901934	NRCS	227	235	7.6	106	4/25/94
15N07E21DAB1	355441	902043	NRCS	230	236	6.3	110	4/25/94
15N07E35DB1	355249	901840	NRCS	222	230	7.6	120	4/25/94
16N07E25BB1	355926	901821	NRCS	235	240	5.5	120	4/25/94
				Crittenden County				
05N08E11CCD2	350345	901300	USGS	194	211	17.22	63	4/28/94
05N07E28CBA1	350124	902152	USGS	189	201	11.72	--	4/28/94
05N07E34BAB1	350058	902033	USGS	193	203	10.3	100	4/28/94
06N07E13ABA1	350848	901751	USGS	197	211	13.7	110	4/28/94
06N07E13BAA1	350848	901808	USGS	192	205	12.73	130	4/28/94
07N07E31CCC1	351043	902359	USGS	184	207	23.05	110	4/28/94
07N09E05CDD1	351453	900931	USGS	203	214	10.73	120	4/28/94
08N07E14DAA2	351853	901829	USGS	197	219	21.7	--	4/28/94
08N07E32DAD1	351618	902146	NRCS	192	215	22.7	110	4/28/94
09N07E02CCA1	352537	901918	NRCS	198	223	24.9	130	4/28/94
09N08E04CCB1	352359	901302	NRCS	197	216	19.1	120	4/28/94
05N07E08DDA1	350347	902156	NRCS	193	206	13.4	110	4/29/94
07N06E08DAD1	351430	902812	NRCS	185	210	25.4	120	4/29/94
07N08E17BBC1	351351	901614	NRCS	203	212	9.1	110	4/28/94
08N06E01DCC1	352021	902408	NRCS	188	215	26.9	120	4/28/94
08N06E06DDA1	352030	902920	NRCS	186	214	27.8	110	4/28/94
				Cross County				
06N04E01BBB1	351046	903741	USGS	174	205	31.5	--	5/17/94
07N01E05CDA1	351520	910052	USGS	157	217	59.94	140	5/17/94
07N01E11AAA1	351501	905707	USGS	154	217	63.07	120	5/17/94
07N03E05ADA1	351541	904738	USGS	154	254	100.14	160	5/17/94
07N04E07ABC1	351456	904232	USGS	178	222	44.29	196	5/17/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measurement
08N03E09DAD1	352002	904625	USGS	158	258	100.35	150	5/17/94
08N05E32ADD1	351632	903438	USGS	180	204	24.05	--	5/17/94
09N01E33BBA1	352204	910002	USGS	159	225	66.44	--	5/17/94
09N03E17DDC1	352411	904731	USGS	154	251	97.03	160	5/17/94
09N05E32BDB1	352151	903511	USGS	185	210	24.78	--	5/17/94
06N02E10CDA1	350903	905156	NRCS	154	209	54.8	--	4/22/94
06N02E12AAA1	350934	904952	NRCS	164	233	68.6	--	4/22/94
06N04E01BBB1	351044	903739	NRCS	173	205	31.8	--	4/22/94
07N01E06CAA1	351533	910133	NRCS	157	220	62.8	--	4/25/94
07N01E33BBA1	351134	910008	NRCS	158	215	57	--	4/22/94
07N02E04DCD1	351507	905313	NRCS	163	217	54.5	--	4/22/94
07N03E05AAD1	351558	904737	NRCS	157	255	97.7	--	4/22/94
07N04E04DBB1	351544	904034	NRCS	178	201	23.5	--	4/22/94
07N05E02AAB1	351555	903133	NRCS	182	210	28.2	--	4/22/94
07N05E25ABA1	351228	903047	NRCS	176	205	29.2	140	4/22/94
08N01E02CDD1	352020	905746	NRCS	156	220	64	--	4/25/94
08N01E16DBB1	351855	905933	NRCS	154	225	71	--	4/22/94
08N02E12DCC1	351938	905002	NRCS	152	230	77.8	--	4/22/94
08N02E17BAA1	351926	905420	NRCS	154	225	71.2	--	4/22/94
08N04E27ABB1	351444	903914	NRCS	182	205	23	--	4/22/94
09N01E04ACD1	352615	905914	NRCS	153	225	71.8	140	4/22/94
09N01E36AAB1	352155	905605	NRCS	153	225	72.4	--	4/22/94
09N02E17AAB1	352438	905359	NRCS	154	235	81	193	4/22/94
09N02E20AAA1	352359	905342	NRCS	153	230	76.8	120	4/22/94
09N02E30CBB1	352243	905551	NRCS	153	225	72	--	4/22/94
09N03E03ACC1	352619	904529	NRCS	156	250	94	--	4/22/94
09N03E17CDD1	352409	904750	NRCS	157	245	88	--	4/22/94
09N04E03DBB1	352614	903918	NRCS	193	215	22.3	120	4/22/94
09N04E33ADB1	352204	904020	NRCS	174	205	31	--	4/22/94
09N05E32BDB1	352151	903510	NRCS	185	210	25.2	--	4/22/94

Desha County

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
07S01E19ABA1	340422	910605	USGS	144	154	10	120	4/14/94
09S04W06CBB1	335702	913247	USGS	133	163	30	110	4/21/94
11S03W31BBA1	334130	912651	USGS	128	148	19.91	--	4/14/94
12S01W33BAA1	333706	911207	USGS	125	135	9.61	95	4/14/94
09S01W08BDA1	335608	911234	NRCS	132	151	19	--	4/06/94
09S02W17CBC1	335500	911922	NRCS	132	153	21	--	4/19/94
09S02W20DAC1	335352	911835	NRCS	128	152	24	--	4/06/94
09S03W17DCB1	335450	912445	NRCS	132	155.08	23.26	126	4/26/94
09S04W02CDA1	335656	912824	NRCS	132	163	31	--	4/19/94
10S01W23DBC1	334836	910931	NRCS	132	143	11	--	4/20/94
10S02W11ADD1	335045	911517	NRCS	131	148	17	--	4/11/94
10S02W23DBC1	334835	911539	NRCS	130	153	23	--	4/19/94
10S04W08BDA1	335056	913147	NRCS	150	162	12	--	4/06/94
11S02W15BAD1	334453	911658	NRCS	120	148	28	--	4/11/94
11S02W31DAA1	334205	911941	NRCS	133	147	14	--	4/11/94
13S02W05CDC1	333533	911936	NRCS	111	146	35	--	4/20/94
13S02W05CDD1	333533	911936	NRCS	114	146	32	--	4/18/94
13S02W32DBD1	333126	911917	NRCS	102	135	33	--	4/20/94
13S03W11CAB1	333504	912241	NRCS	106	142	36	--	4/18/94
				Drew County				
11S04W08DBA1	334535	913134	USGS	139	160	21.29	--	4/14/94
11S04W35CCD1	334140	912906	USGS	134	154.21	19.79	65.2	4/07/94
11S05W08CCC1	334545	913837	USGS	152	185	33.11	153	4/14/94
12S04W03ABB1	334133	912949	USGS	137	155	17.98	--	4/07/94
12S06W15ADC2	333937	914214	USGS	134	199	65.47	153	4/14/94
13S04W33ABA1	333205	913040	USGS	124	140	15.89	100	4/07/94
11S04W31ABC1	334225	913242	NRCS	144	152	8.3	100	4/04/94
12S04W25DBB1	333739	912738	NRCS	129	147	17.8	90	4/04/94
12S05W04AAB1	334159	913700	NRCS	142	182	40	130	4/04/94
13S04W09ACD1	333512	913034	NRCS	132	145	13.4	90	4/04/94
13S04W29CAB1	333231	913206	NRCS	127	135	8.2	100	4/04/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
13S06W21DAA1	333324	914258	NRCS	134	207	73	142	4/04/94
14S04W03ADD1	333050	912929	NRCS	130	149	19	92	4/04/94
14S04W05CBA1	333040	913215	NRCS	127	134	6.9	90	4/04/94
14S04W08CAD1	332944	913138	NRCS	125	130	5	90	4/04/94
14S04W22CAA1	332811	912952	NRCS	121	135	14	100	4/04/94
				Greene County				
16N06E03CCC1	360219	902625	USGS	214	258	44.39	194	5/03/94
17N04E30CDC1	360410	904209	USGS	237	265	27.59	100	5/02/94
18N07E20BBA1	361109	902104	USGS	252	257	5	--	5/03/94
16N02E12AAB1	360220	904926	NRCS	226	260	34.5	110	4/12/94
16N06E21BBA1	360027	902728	NRCS	224	250	26	130	4/14/94
17N03E28CDB1	360422	904626	NRCS	238	258	20.5	100	4/14/94
17N03E28DCD1	360412	904603	NRCS	238	261	20.5	100	4/14/94
17N03E29ABB1	360503	904722	NRCS	236	255	19.5	90	4/14/94
17N06E15ABB1	360632	902547	NRCS	238	263	25.5	168	4/14/94
17N06E22CBA1	360520	902604	NRCS	235	265	30.5	200	4/14/94
17N07E03CCC1	360737	901948	NRCS	241	245	3.8	87	4/18/94
17N07E290BB1	360428	902220	NRCS	243	244	1.4	80	4/15/94
18N07E17BAB1	361202	902103	NRCS	256	260	4.4	100	4/14/94
18N08E29CBA1	360951	901444	NRCS	246	250	4.2	105	4/18/94
19N04E30DBB1	361537	904116	NRCS	252	276	23.8	100	4/13/94
19N05E34BDD1	361427	903137	NRCS	256	282	25.8	100	4/13/94
				Independence County				
12N04W34CBB1	353718	912506	USGS	212	231	19.3	--	5/24/94
14N03W14DAA2	355107	911602	USGS	225	230	4.59	--	5/24/94
11N04W02ABB1	353649	912342	NRCS	216	225	9	--	4/20/94
12N05W36AAA1	353736	912826	NRCS	222	235	13.5	--	4/20/94
14N03W12CCB1	355155	911557	NRCS	230	231	1.1	--	4/20/94
14N03W14CBB1	355104	911709	NRCS	227	228	0.7	--	4/20/94
				Jackson County				
09N01W22ADD1	352330	910432	USGS	172	221	49.26	125	5/26/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
09N02W14CAA1	352420	911000	USGS	203	214	11.5	120	5/04/94
09N02W32CBB1	352151	911347	USGS	194	220	26.17	117	5/26/94
10N01W05ADD1	353132	910702	USGS	188	223	35.5	--	5/04/94
10N01W22ADA1	352855	910422	USGS	174	224	49.8	137	5/04/94
10N02W29ABB1	352829	911309	USGS	209	227	17.55	--	5/26/94
10N03W30CAB1	352712	912158	USGS	204	219	15	--	5/03/94
10N03W30DBB1	352739	912144	USGS	202	225	22.96	100	5/26/94
12N02W25ABB2	353909	910851	USGS	211	234	23.33	--	5/26/94
13N01W20AAA1	354513	910625	USGS	213	242	28.6	147	5/24/94
13N02W10DDA1	354624	911045	USGS	228	246	18	120	5/04/94
14N01W09AAA1	355219	910512	USGS	219	251	31.75	--	5/24/94
09N01W30BAC1	352306	910813	NRCS	189	222	33	--	5/04/94
09N01W15DDD1	352355	910445	NRCS	179	222	42.9	--	5/04/94
09N02W32BBB1	352217	911348	NRCS	202	224	22	--	5/04/94
10N01W10ABA1	353055	910445	NRCS	174	220	46.1	--	5/04/94
11N01W25BBC1	353323	910312	NRCS	176	231	55.1	--	5/04/94
11N02W23DDD1	353350	910934	NRCS	206	225	19.4	--	5/04/94
11N03W12DDD1	353542	911515	NRCS	212	225	13	150	5/04/94
11N03W18CCC1	353446	912206	NRCS	212	217	5.3	--	5/04/94
12N01W11BCB1	354127	910416	NRCS	204	233	29.3	--	5/04/94
12N01W30BCCC1	353827	910811	NRCS	208	232	24.3	--	5/04/94
12N01W36BCC1	353724	910317	NRCS	193	236	42.7	--	5/04/94
13N01W23BCB1	354444	910400	NRCS	208	243	35.3	--	5/03/94
13N03W15DCA1	354545	911718	NRCS	228	238	10	--	5/03/94
13N03W36ABB1	354337	911610	NRCS	226	235	8.8	--	5/04/94
14N01W01CCD1	355215	910251	NRCS	213	248	35.2	--	5/03/94
14N01W08AAA1	355250	910623	NRCS	227	253	25.7	--	5/03/94
14N01W19BBB1	355026	910823	NRCS	222	245	23.2	--	5/03/94
14N01W26CBB1	354909	910407	NRCS	214	247	33.2	--	503/94
14N01W33CCD1	354755	910604	NRCS	217	247	29.7	--	5/03/94
14N02W12DAA1	355201	910838	NRCS	228	251	22.8	--	5/03/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
14N02W22BBC1	355026	911145	NRCS	227	247	20.5	--	5/03/94
				Jefferson County				
03S08W24BBC1	342621	914950	USGS	162	202	39.88	--	3/25/94
03S09W06DDA1	342837	920039	USGS	190	225	34.93	--	3/25/94
03S09W31DDA1	342415	920048	USGS	193	218	24.53	--	3/25/94
05S07W19BCC1	341530	914905	USGS	182	199.23	17.32	59	4/04/94
05S06W31CAA1	341329	914200	USGS	176	189.22	13.6	--	4/04/94
06S05W15BCA1	341024	913240	USGS	162	177.14	15.02	120	4/04/94
06S06W23AAD1	341007	913707	USGS	174	189.01	14.85	107	4/04/94
07S08W06BAA1	340901	915646	USGS	190	202.31	12.72	160	4/04/94
03S07W36ACC1	342410	914253	NRCS	155	185	30	--	4/19/94
03S09W14BCD1	342712	915712	NRCS	189	221	32	--	4/19/94
03S09W27AAA1	342547	915730	NRCS	184	222	38.5	--	4/19/94
03S09W36ACC1	342430	915555	NRCS	188	215	27	--	4/19/94
03S10W26DAD2	342514	920256	NRCS	204	215	11	--	4/19/94
04S07W35DDB1	341836	914347	NRCS	160	185	25	--	4/19/94
04S08W33DBB1	341903	915236	NRCS	188	212	24	--	4/19/94
04S09W01DAA2	342338	915526	NRCS	180	213	33	--	4/19/94
04S09W32DCB1	341859	920008	NRCS	199	215	15.8	--	4/19/94
05S07W35CDD2	341316	914424	NRCS	181	195	14	--	4/19/94
07S07W18AAD1	340708	914959	NRCS	172	188	16	--	4/19/94
				Lawrence County				
16N01E11DAC1	360205	905637	USGS	225	262	36.58	--	5/02/94
15N01E11DAA1	355657	905638	NRCS	221	255	34.1	100	4/08/94
15N01E23DAD1	355455	905643	NRCS	214	250	35.7	100	4/08/94
15N01E32AAB1	355346	910019	NRCS	211	255	44.2	90	4/07/94
15N01W03BAB1	355831	910433	NRCS	236	259	23.4	105	4/13/94
15N01W23BCD1	355504	910352	NRCS	220	255	34.9	110	4/12/94
15N01W30AAA1	355509	910710	NRCS	229	254	25	110	4/13/94
15N02E10BBD1	355701	905206	NRCS	222	247	25	100	4/12/94
16N01E29BCC1	360008	910026	NRCS	224	260	36	105	4/12/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
16N01E30DCC1	355934	910131	NRCS	222	260	38.4	100	4/12/94
16N01E35AAA1	355908	905632	NRCS	220	256	36.3	105	4/08/94
16N02E09AAD1	360219	905212	NRCS	229	261	31.8	110	4/13/94
16N02E12AAB1	360220	904926	NRCS	226	260	34.5	110	4/12/94
16N02E34CBA1	355828	905159	NRCS	220	255	35.2	100	4/07/94
17N01E02BBA1	360901	905707	NRCS	248	260	12	90	4/21/94
17N01E21CAC1	360543	905606	NRCS	251	265	13.8	110	4/21/94
17N01E27AAA1	360519	905732	NRCS	243	270	27.4	110	4/21/94
17N01W26BCB1	360520	910332	NRCS	242	260	17.8	82	4/21/94
17N01W36AAB1	360435	910158	NRCS	249	257	7.57	85	4/21/94
17N02E04ADD1	360834	905209	NRCS	239	270	30.9	110	4/28/94
17N02E19CDD1	360514	905501	NRCS	234	265	30.8	--	4/28/94
17N02E21AAC1	360546	905225	NRCS	235	268	33	105	4/28/94
17N02E25CBD1	360415	904952	NRCS	238	265	26.7	100	4/12/94
				Lee County				
01N03E02BBC1	344341	904600	USGS	198	236.43	38.73	168	5/18/94
01N03E35BBA1	343923	904549	USGS	195	202	7.3	120	5/18/94
02N02E21ABC1	344620	905358	USGS	172	200	27.6	120	5/19/94
03N02E29DAD1	345015	905429	USGS	172	205	33.49	135	5/19/94
03N04E34CDD1	344910	904006	USGS	177	195	17.52	39	5/18/94
01N01E09CCC1	344216	910048	NRCS	173	182	9.2	140	4/22/94
01N01E24CBA1	344054	905736	NRCS	178	185	7	140	4/22/94
01N02E01DDD1	344304	905024	NRCS	192	205	13.2	140	4/22/94
01N02E09BBA2	344257	905417	NRCS	175	200	25	140	4/22/94
01N02E12ABB1	344256	905044	NRCS	191	205	14	140	4/22/94
01N02E22CAA1	344049	905302	NRCS	181	200	19	140	4/22/94
01N02E33CBB1	343912	905434	NRCS	177	185	8	140	4/22/94
01N02E33CCB1	343904	905434	NRCS	178	185	7.4	140	4/22/94
01N03E27ADD1	343952	904605	NRCS	200	204	4.5	140	4/22/94
02N01E18CBD1	344646	910249	NRCS	156	185	29.3	140	4/22/94
02N01E23ABA1	344628	905818	NRCS	163	202	39.5	140	4/22/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
02N01W34DDC1	344406	910521	NRCS	154	180	26.5	140	4/22/94
02N02E22BBB1	344628	905300	NRCS	179	200	21.5	140	4/22/94
02N02E36DDC1	344351	905030	NRCS	188	200	12.5	140	4/22/94
02N03E09DDD1	344723	904707	NRCS	186	220	34	140	4/22/94
02N03E29CAA1	344500	904846	NRCS	189	215	26.5	140	4/19/94
02N03E33DCD1	344351	904727	NRCS	189	216	27.5	140	4/22/94
02N04E03ABD1	344853	903959	NRCS	176	195	19.4	140	4/04/94
03N01E03CBC1	345357	905948	NRCS	152	205	53	140	4/22/94
03N01E17ADC1	345228	910127	NRCS	142	200	58	140	4/22/94
03N01E32BBC1	345009	910146	NRCS	150	200	50	140	4/22/94
03N02E21CCC1	345055	905422	NRCS	163	209	46.3	140	4/14/97
03N02E24CAD1	345112	905045	NRCS	167	205	37.8	140	4/04/94
03N03E05CBC1	345356	904856	NRCS	175	210	35	110	4/05/94
03N03E11DCB1	345245	904517	NRCS	188	232	44	140	4/22/94
03N03E18DAB1	345212	904923	NRCS	182	196	14.5	140	4/04/94
03N04E07CBB1	345253	904324	NRCS	184	200	16	140	4/22/94
03N05E03ADB1	345359	903316	NRCS	178	197	19.5	140	4/04/94
03N05E26ADC1	345020	903208	NRCS	181	185	4.3	140	4/04/94
				Lincoln County				
07S06W28CBB1	340508	914232	USGS	152	180	28.11	90	4/08/94
07S07W29DDD1	340448	914903	USGS	169	187	18.14	--	4/07/94
08S06W02ACB1	340336	913955	USGS	152	181.03	29.45	68	4/07/94
08S07W09BBD1	340248	914845	USGS	167	189.8	22.94	--	4/07/94
09S05W08CCB1	335619	913820	USGS	145	171	25.75	97	4/07/94
09S05W13CDB1	335505	913350	USGS	145	174	28.61	133	4/07/94
10S05W06DCC1	335155	913908	USGS	153	175	21.78	--	4/07/94
07S06W03CCA2	340828	914114	NRCS	176	190	14	116	4/21/94
07S07W36CBD1	340411	914529	NRCS	160	185	25.5	123	4/21/94
08S04W06ACB1	340323	913109	NRCS	164	171	7	95	4/21/94
08S04W28CAB1	335951	912938	NRCS	139	166	27	100	4/21/94
08S05W12DBA1	340230	913224	NRCS	163	173	10.5	83	4/21/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
08S05W21DCD1	340047	913538	NRCS	151	174	23	120	4/21/94
08S05W29ABC1	340021	913644	NRCS	144	176	32	100	4/21/94
08S05W32DCC1	335841	913651	NRCS	144	174	30	100	4/21/94
09S05W34BBD1	335319	913610	NRCS	148	171	23	100	4/21/94
09S06W04BDD1	335749	914328	NRCS	150	180	30	100	4/21/94
09S06W14ACA1	335613	914105	NRCS	142	175	33	95	10/21/94
09S06W23BCD1	335456	914137	NRCS	150	175	25	95	4/21/94
09S06W24DAA1	335455	913955	NRCS	152	177	25	110	4/21/94
				Lonoke County				
01N07W29BBB1	344114	914720	USGS	113	225	112.13	--	4/01/94
01S08W16DCC1	343702	915220	USGS	148	216	68.5	100	4/21/94
01S08W22CBB1	343628	915142	USGS	148	212	64.04	--	4/01/94
01S10W01ACB1	343929	920213	USGS	197	236	38.56	--	3/25/94
02N07W02BBA1	344957	914338	USGS	127	233	106.11	--	4/01/94
02N09W02BDB1	344955	915642	USGS	146	251	105.36	140	3/31/94
02N09W17CCB1	344746	920006	USGS	175	253	78.05	127	3/31/94
02S07W10CCB1	343238	914524	USGS	150	201	51.2	--	4/01/94
02S08W13BBB1	343230	914950	USGS	152	200	47.87	--	4/01/94
02S09W26DC1	343019	915643	USGS	174	216	41.7	100	4/21/94
03N07W15DBC2	345254	914415	USGS	155	227	72.36	144.5	3/31/94
03N09W31CBC2	345027	920117	USGS	202	257	55.24	--	3/31/94
04N08W15BCB2	345833	915120	USGS	198	225	27.02	104	3/31/94
01N07W07ABB2	344351	914752	NRCS	109	227	118.5	--	4/22/94
01N07W33BCB1	344002	914555	NRCS	117	213	95.6	--	4/22/94
01N08W03DDA1	344411	915050	NRCS	114	230	116.5	--	4/22/94
01N09W25BAA1	344120	915537	NRCS	151	228	77	--	4/21/94
01N10W12ABB1	344403	920151	NRCS	205	240	35.5	--	4/21/94
01N10W15CDA1	344236	920410	NRCS	222	241	19.4	--	4/21/94
01S06W16CCC1	343648	913952	NRCS	124	207	83.4	--	4/21/94
01S06W32BBB1	343501	914053	NRCS	132	201	69.2	--	4/21/94
01S07W02CAA1	343902	914342	NRCS	122	210	88.4	--	4/22/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
01S09W36CCC1	343438	915612	NRCS	168	220	52.5	--	4/21/94
01S10W15BBA1	343807	920433	NRCS	218	238	19.6	--	4/21/94
02N07W07DAA1	344835	914707	NRCS	114	232	118.2	--	4/22/94
02N08W23DDB1	344654	914954	NRCS	107	229	122.2	--	4/22/94
02N09W18ABC1	344822	920055	NRCS	184	261	77	--	4/21/94
02N10W15ACC1	344807	920352	NRCS	209	242	33	--	4/21/94
02N10W24DBA1	344708	920158	NRCS	192	237	45.5	--	4/21/94
02N10W36BDC1	344531	920207	NRCS	203	243	39.8	--	4/21/94
02S07W02BBC1	343424	915718	NRCS	171	224	53.5	--	4/21/94
02S08W22CCC1	343058	915155	NRCS	159	216	57.4	--	4/21/94
02S09W22AAA1	343153	915727	NRCS	176	228	52.1	--	4/21/94
02S09W30DCC1	343013	920114	NRCS	191	228	37	--	4/21/94
03N07W32CCD2	345002	914654	NRCS	131	240	109.3	--	4/22/94
03N08W26CDC1	345100	915007	NRCS	135	235	100.4	--	4/22/94
				Mississippi County				
11N10E09BCA1	353530	900131	USGS	220	230	9.8	110	4/15/94
12N08E08BCB1	354050	901559	USGS	217	225	7.61	120	4/28/94
12N09E32DAA1	353708	900837	USGS	215	226	11.09	--	4/28/94
13N09E30CCD1	354250	901030	USGS	222	230	7.83	--	4/28/94
14N08E12DAB1	355102	901051	USGS	227	235	8.48	--	4/29/94
14N10E18ABC1	355005	900346	USGS	226	236	9.98	101	4/29/94
14N11E03BCB1	355200	895434	USGS	242	247	4.7	128	5/25/94
14N11E17CCB1	354955	895639	USGS	236	240	4	120	4/15/94
14N12E05DCB1	355133	894937	USGS	242	250	8.3	--	5/25/94
15N12E01BCD1	355704	894601	USGS	253	258	5.1	100	4/15/94
16N09E21BBB1	355950	900824	USGS	241	244	3.14	20	4/29/94
16N11E23ADA1	355949	895233	USGS	243	255	12.04	--	4/29/94
10N08E21ABA1	352840	901432	NRCS	205	224	19	100	4/15/94
10N08E21ABC1	353851	901424	NRCS	204	224	20	110	4/15/94
12N08E27CAB1	353804	901339	NRCS	215	225	10	120	4/15/94
12N09E12ABA1	354051	900447	NRCS	224	232	7.8	120	4/15/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
12N10E04CAA1	354117	900147	NRCS	229	235	5.6	120	4/15/94
12N10E07BCD1	354035	900404	NRCS	225	233	8.5	110	4/15/94
12N10E21DBA1	353842	900122	NRCS	228	236	8	110	4/15/94
13N08E24ABB1	354428	901112	NRCS	223	230	7.2	120	4/15/94
14N08E20DAA1	354921	901458	NRCS	222	225	2.7	110	4/15/94
14N08E26CCD1	354809	901235	NRCS	228	230	2	110	4/15/94
14N11E33DBB1	354718	895522	NRCS	233	240	7.3	120	4/15/94
15N10E21ABC1	355443	900120	NRCS	231	240	9	120	4/15/94
16N10E28BBD1	355853	900155	NRCS	233	240	7.3	120	4/15/94
				Monroe County				
01S01W13CDD1	343613	910344	USGS	170	178	8.04	135	5/18/94
01N01W21CDC1	344034	910710	USGS	153	181	28.17	134	5/18/94
01S02W11BCC1	343735	911140	USGS	166	180	13.7	125	5/18/94
01S04W01BAB1	343906	912317	USGS	135	210	75.16	160	5/18/94
02N02W20BCC1	344628	911439	USGS	154	188	33.52	--	5/18/94
03S01W03DAB1	342749	910530	USGS	158	166	8.48	118	5/18/94
03N01W20ABA1	345201	910721	USGS	152	189	36.81	--	5/19/94
03N02W31ADC1	344958	911446	USGS	156	190	33.58	--	5/18/94
03N03W36AAA1	345021	911547	USGS	160	176	16.01	120	5/18/94
04N02W27CDD3	345539	911150	USGS	160	200	40.49	181	5/27/94
04N02W28DDD3	345535	911221	USGS	163	192	29.01	137	5/27/94
04N03W36BAC1	345526	911619	USGS	163	180	16.76	--	5/27/94
				Phillips County				
02S01E28CCB1	342916	910058	USGS	160	174	14.49	108	5/18/94
02S02E01ACD1	343256	905037	USGS	173	185.82	12.77	77	5/18/94
05S02E18BDA1	341534	905630	USGS	141	156	14.98	130	5/18/94
01S01E20DDB1	343529	910058	NRCS	169	185	16	114	4/14/94
01S02E09BDC	343714	905416	NRCS	176	185	9	110	4/14/94
01S02E32BCC1	343350	905526	NRCS	171	200	29	120	4/14/94
01S03E02ADD1	343814	904511	NRCS	188	200	12.5	120	4/14/94
01S03E20BDD1	343533	904846	NRCS	184	210	26.5	120	4/14/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
01S04E05DCD1	343802	904151	NRCS	188	230	42.5	120	4/14/94
02S02E29DDD1	342901	905444	NRCS	160	180	20	125	4/14/94
02S02E33ACC1	342824	905412	NRCS	153	177	24	120	4/14/94
02S03E34BCD1	342828	904653	NRCS	154	165	11.5	120	4/14/94
02S04E27ACC1	342932	904002	NRCS	170	177	7	175	4/14/94
03S04E02CAA1	342732	903918	NRCS	167	176	9.5	110	4/14/94
04S01E01AAD1	342238	905700	NRCS	150	156	6	120	4/14/94
04S01E14CDD1	342014	905837	NRCS	146	155	9.5	120	4/14/94
04S01E29CDC1	341844	910148	NRCS	143	150	7	120	4/14/94
04S02E01DBB1	342220	905053	NRCS	156	163	7	--	4/14/94
				Poinsett County				
10N03E14DAA1	352946	904401	USGS	146	270	123.64	165	5/20/94
10N06E11AAA1	353045	902501	USGS	201	212	10.59	108	5/25/94
10N07E22AAC1	352847	901935	USGS	193	215	22.11	--	5/25/94
11N01E17DDD1	353435	910024	USGS	165	230	65.03	100	5/25/94
11N07E22ADD1	353349	901922	USGS	198	218	19.78	--	5/25/94
12N01E07CDA1	354051	910142	USGS	190	236	45.87	120	5/25/94
12N05E34ABA1	353804	903231	USGS	209	215	5.62	100	5/25/94
12N07E04BAA1	354201	902100	USGS	216	223	6.75	--	5/25/94
10N01E02AA	353152	905654	NRCS	153	235	82.5	100	4/04/94
10N01E10DAB1	353017	905815	NRCS	152	236	84	120	4/04/94
10N01E32CBB1	352657	910053	NRCS	182	222	40	120	4/05/94
10N01E33ABB1	352723	905919	NRCS	159	222	63	120	4/04/94
10N02E13BCC1	352949	905024	NRCS	146	237	91	167	4/04/94
10N02E20BAB1	352906	905418	NRCS	151	237	86	100	4/04/94
10N03E29BBC1	352820	904814	NRCS	151	236	85	100	4/04/94
10N04E26CBC1	352747	903844	NRCS	196	214	18	100	4/04/94
11N01E21DDC1	353410	905913	NRCS	166	232	66	100	4/04/94
11N01E34CA	353211	905849	NRCS	161	235	74	--	4/04/94
11N02E10CB	353545	905228	NRCS	141	245	104	200	4/05/94
11N02E30BBB1	353352	905522	NRCS	146	239	93	100	4/05/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
11N02E34CB	353238	905222	NRCS	143	240	97	180	4/05/94
11N03E11DDD1	353537	904355	NRCS	148	262	114	221	4/05/94
11N04E23CBC1	353356	903834	NRCS	193	215	22	100	4/04/94
11N04E36ABA1	353251	903654	NRCS	196	211	15	100	4/04/94
12N01E22DAB1	353922	905809	NRCS	173	235	62	100	4/04/94
12N02E10CB	354108	905225	NRCS	139	245	106	200	4/04/94
12N02E25DCC1	353813	904950	NRCS	143	245	102	120	4/05/94
12N02E34CC	353724	905230	NRCS	147	245	98	180	40/5/94
12N03E01CCA1	354154	904329	NRCS	166	250	84	140	4/04/94
12N03E04DAD1	354156	904557	NRCS	157	248	91	120	4/04/94
12N04E08DA	354059	904057	NRCS	174	252	78	100	4/04/94
12N04E15AAA1	354040	903833	NRCS	203	225	22	60	4/04/94
12N05E16AAA1	354039	903333	NRCS	214	221	7.5	100	4/04/94
12N07E10CBB1	354042	902022	NRCS	210	220	10	100	4/04/94
				Prairie County				
01N05W20DCB1	344118	913348	USGS	91	211	120.49	157	4/30/94
01N06W18CDD1	344201	914127	USGS	97	223	125.87	--	3/30/94
01S05W14BBC1	343722	913108	USGS	104	211	107.28	118	3/30/94
01S06W13DCD1	343644	913554	USGS	104	224	119.87	126	3/30/94
02N04W02BCB1	344916	912418	USGS	167	188	20.72	140	3/30/94
02N04W32CCB1	344436	912737	USGS	142	221	78.97	--	3/30/94
02N05W13AAB1	344805	912854	USGS	168	223	55.18	130	3/30/94
02N05W29DDB2	344544	913308	USGS	116	228	112.34	--	3/30/94
03N05W03DBB1	345438	913136	USGS	151	207	55.69	130	3/30/94
03N06W01BCB1	345454	913638	USGS	133	216	82.9	115	3/30/94
04N04W07ADC1	345851	912732	USGS	175	194	18.58	110	3/30/94
04N05W07CDC1	345843	913446	USGS	137	212	75.44	--	3/30/94
04N05W21DDD1	345655	913242	USGS	150	205	55.47	--	3/30/94
05N05W14DCD1	350252	913034	USGS	174	205	31.5	--	3/30/94
04N07W01CCC1	345937	914234	USGS	155	212	56.79	122	3/30/94
01N06W28	344042	913915	NRCS	113	221	108	196	3/28/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
01N06W34	343946	913810	NRCS	117	223	106	137	3/28/94
01S04W28	343514	912624	NRCS	111	206	95.2	180	3/28/94
04N05W14	345745	912947	NRCS	171	205	34.1	185	3/30/94
04N05W27	345627	913110	NRCS	153	205	51.7	215	3/30/94
04N06W08	345907	913948	NRCS	149	202	52.9	140	3/28/94
04N06W09	345922	913910	NRCS	151	204	53	140	3/28/94
04N07W33	345605	914457	NRCS	163	254	91	135	3/30/94
05N05W23	350220	913052	NRCS	166	200	33.8	90	3/30/94
05N05W25	350135	912941	NRCS	173	185	12.2	100	3/30/94
05N05W28	350133	913300	NRCS	164	192	27.6	85	3/30/94
				Pulaski County				
02S10W05BCC1	344953	920635	USGS	218	239	20.96	97	5/11/94
02S10W16CCA1	343216	920549	USGS	200	231	31.30	--	5/11/94
				Randolph County				
18N01E34AAC1	360942	905729	USGS	254	266	11.93	--	5/02/94
19N02E09DCA1	361759	905158	USGS	262	267	5.2	--	5/20/94
18N01E13BAB1	361229	905553	NRCS	258	266	7.9	110	5/02/94
18N01E28BAC1	361033	905904	NRCS	244	262	18.2	120	5/02/94
18N01E29BAA1	361027	905959	NRCS	253	260	6.8	120	5/02/94
18N02E02CBA1	361345	905036	NRCS	257	276	19.9	120	5/03/94
18N02E06BDB1	361401	905455	NRCS	258	266	7.6	100	5/03/94
18N02E17CBB1	361204	905356	NRCS	255	265	9.9	--	5/02/94
18N02E20BAA1	361137	905325	NRCS	244	274	30.2	110	5/02/94
18N02E21CAA1	361117	905221	NRCS	249	274	25.3	100	5/02/94
18B02E32ABB1	360952	905321	NRCS	243	271	28.4	100	5/02/94
19N02E04ADD1	361903	905141	NRCS	262	267	5	80	5/16/94
20N02E01DAC1	362358	904826	NRCS	277	281	3.7	120	5/02/94
20N02E14ADA1	362245	904922	NRCS	264	274	10.1	100	5/16/94
20N02E21DDC1	362054	905233	NRCS	267	269	2	--	5/16/94
20N03E07AAD1	362341	904712	NRCS	277	281	3.5	110	5/03/94
20N03E33CCA1	361941	904552	NRCS	267	285	18.2	80	5/03/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
				St. Francis County				
04N01W28CDD1	345536	910634	USGS	146	208	62.31	--	5/19/94
04N02E03DDD3	345848	905219	USGS	174	210	36.14	151	5/19/94
04N03E21DAD1	345623	904656	USGS	190	236	46.3	--	5/19/94
06N01E33ACA2	350557	905943	USGS	155	211	55.68	--	5/19/94
06N02E15BDD1	350842	905247	USGS	165	214.64	49.38	75	5/19/94
06N02E24AAA1	350755	904955	USGS	173	232	59.08	147	5/19/94
06N05E22ACC1	350723	903249	USGS	166	200	33.98	--	5/17/94
04N01E05AAC1	345931	910048	NRCS	147	205	58	140	4/25/94
04N01W20BBB1	345716	910801	NRCS	149	200	50.8	140	4/25/94
04N01W25DBC1	345534	910331	NRCS	142	205	62.8	140	4/25/94
04N02E20ACC1	345635	905456	NRCS	160	210	50	120	4/25/94
04N04E15ABA1	345752	903948	NRCS	176	200	24.5	120	4/25/94
05N01E04BBA1	350518	910003	NRCS	155	210	55.5	--	4/25/94
05N01E06DAD1	350451	910200	NRCS	153	211	58.5	--	4/25/94
05N05E21CBA1	350144	903448	NRCS	176	203	27.5	120	4/25/94
05N06E05BBB1	350508	902922	NRCS	170	195	25.5	120	4/25/94
06N01E23BDC1	350742	905802	NRCS	150	210	60	120	4/25/94
06N02E16CCB1	350824	905403	NRCS	154	210	56.5	120	4/25/94
06N02E18BAA1	350852	905540	NRCS	158	210	52.5	140	4/25/94
06N04E36CDC1	350512	903744	NRCS	161	200	39	120	4/25/94
				White County				
05N07W09AAA1	350447	914441	USGS	189	205	15.98	29.5	4/04/94
05N08W23DCB1	350222	914941	USGS	196	211	15.44	78	4/04/94
06N06W34AAB1	350623	913752	USGS	159	213	54.4	--	4/04/94
06N07W17DCC1	350821	914634	USGS	205	217	12.28	90	4/04/94
06N08W13ABA1	350907	914826	USGS	221	228	6.7	60	4/04/94
07N05W32BAB1	351137	913358	USGS	191	213.7	22.42	80	5/09/94
07N06W19CAB1	351258	914132	USGS	214	224	10.35	38	4/22/94
06N04W07BBC1	350937	912857	NRCS	187	205	17.6	--	4/29/94

Appendix 1. Information pertaining to measured wells completed in the alluvial aquifer, 1994--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
06N06W04BAB1	351046	913921	NRCS	177	221	44.3	--	4/29/94
06N06W13BAD1	350852	913601	NRCS	170	213	42.7	--	4/29/94
06N06W18BCA1	350848	914143	NRCS	186	210	24	--	4/29/94
				Woodruff County				
05N01W16BCC1	350311	910656	USGS	154	211	56.62	--	5/10/94
05N02W20DCB1	350209	911356	USGS	179	192	12.59	--	5/10/94
05N04W12DBA1	350426	912211	USGS	181	186	4.84	92	5/10/94
06N01W06BAB1	351047	910832	USGS	178	202	23.63	--	5/10/94
06N01W33ADB2	350600	910559	USGS	159	216	56.89	--	5/10/94
06N03W31BCB1	350623	912144	USGS	182	185	2.72	--	5/10/94
08N03W31AAD1	351655	912028	USGS	196	212	16.2	110	5/12/94
05N01W13DDC1	350243	910254	NRCS	149	210	60.7	135	4/29/94
05N01W31BCB1	350038	910906	NRCS	157	210	53.2	140	4/29/94
05N03W25DDB1	350117	911558	NRCS	178	190	12	120	4/29/94
05N03W31CBA1	350049	912137	NRCS	173	178	4.8	120	4/29/94
06N02W19AAA1	350802	911419	NRCS	166	225	58.7	130	4/29/94
06N04W22BDA1	350807	912428	NRCS	183	186	3.4	120	4/29/94
07N01W04DBB1	351530	910603	NRCS	170	225	55.2	125	4/29/94
07N03W05ACA1	351553	911941	NRCS	193	213	20.3	120	4/29/94
07N03W31BBA1	351154	912047	NRCS	193	200	7.5	120	4/29/94
08N01W10AAA1	352018	910431	NRCS	170	211	41.1	160	4/29/94
08N02W15ACA1	351936	911118	NRCS	187	209	21.8	100	4/29/94
08N02W27DDC1	351711	911107	NRCS	193	213	20.2	120	4/29/94
09N03W21DBD1	352311	911837	NRCS	204	220	16	120	4/29/94
09N03W24DBC1	352354	911515	NRCS	206	212	5.6	90	4/29/94
09N03W32ACA1	352210	911936	NRCS	206	217	11.1	120	4/29/94

APPENDIX 2

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
				Arkansas County				
02S03W09DCD1	343204	911951	USGS	139	211	71.74	158	3/20/96
02S04W11DBB1	343232	912417	USGS	117	213.04	96.53	152	3/20/96
03S02W18DCC1	342546	911554	USGS	140	203	63.16	--	3/20/96
03S02W27ABB1	342448	911252	USGS	136	197	61.04	87	3/20/96
03S04W03DCA16	342649	912519	USGS	106	205	99.03	126	3/19/96
03S06W35ADD1	342416	913651	USGS	130	190	60.11	--	3/21/96
04S01W04ACD2	342234	910731	USGS	148	155	6.79	52.4	3/20/96
04S01W30AAA1	341929	910920	USGS	136	188	52.13	--	3/20/96
04S02W11AAA1	342207	911125	USGS	131	195.08	64.02	--	3/21/96
04S02W29CCC1	341846	911536	USGS	111	191	80.13	--	3/20/96
04S03W17ADD1	342101	912057	USGS	99	200	101.28	--	3/19/96
04S03W32BCB1	341832	912158	USGS	90	192	101.78	--	3/19/96
04S04W02ABB1	342312	912426	USGS	95	200	104.84	--	3/19/96
04S04W14CCC1	342037	912505	USGS	82	202	120	--	4/25/96
04S05W16CDC1	342047	913326	USGS	131	201	70.09	--	3/20/96
04S05W24DAA1	341957	912935	USGS	108	198	90.18	--	3/20/96
05S01W16BAB1	341550	910728	USGS	157	183.00	26.50	--	3/20/96
05S02W16ABD1	341553	911359	USGS	116	190	74.19	154	3/19/96
05S03W16ABA1	341600	912015	USGS	97	197	100	145	4/25/96
05S04W07CCC1	341556	912931	USGS	117	194	76.87	--	3/21/96
05S04W32BBA1	341311	912820	USGS	125	191	65.62	--	3/21/96
05S06W02DDD1	341723	913649	USGS	163	182.93	19.79	60	3/21/96
05S06W07DDC1	341637	914128	USGS	168	180.48	12.69	32	3/21/96
06S02W23DCD1	340855	911159	USGS	126	188	62.26	--	3/19/96
06S03W10BBA1	341137	911951	USGS	105	184	79.12	155	3/19/96
06S03W27AAA1	340857	911811	USGS	120	183.14	63.35	132	3/19/96
06S04W18CBB1	341014	912938	USGS	152	190.43	38.13	--	3/21/96
07S02W17BBA1	340529	911548	USGS	134	184	49.75	95	4/01/96
07S03W18CCD1	340440	912312	USGS	146	186.18	40	--	3/19/96
07S04W01DDD1	340622	912324	USGS	142	186	43.87	155	3/19/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
08S02W08ACA1	340040	911506	USGS	143	179	36.14	--	3/19/96
08S03WT2299	340146	912201	USGS	156	178	22.04	158	3/19/96
05S04W14AAD1	341549	912411	NRCS	90	188	98	160	4/25/96
05S04W34BAC1	341309	912603	NRCS	115	191	76	142	4/25/96
06S02W03ABA1	341227	911301	NRCS	117	187	70	--	4/25/96
07S03W10ACD1	340558	911927	NRCS	121	181	60	--	4/25/96
				Ashley County				
15S04W23DBD1	332245	912852	USGS	105	128	22.66	--	4/30/96
17S06W01ADD1	331518	913956	USGS	103	182	79.41	144	4/29/96
17S07W05CDD1	331501	915049	USGS	98	185	86.89	--	4/29/96
18S08W01AAB1	331015	915224	USGS	97	181	83.95	128	4/29/96
18S08W28DDD2	330624	915528	USGS	75	163.26	87.91	156	5/13/96
19S04W06BAB2	330504	913330	USGS	90	110	20.15	98	4/30/96
19S06W07BCC1	330404	914607	USGS	106	134.7	28.64	--	4/29/96
16S04W21AAC1	331757	913050	NRCS	97	130	33	100	4/17/96
16S05W35DDA1	331549	913452	NRCS	116	125	9.5	100	4/17/96
18S04W23DDD1	330658	912856	NRCS	89	110	21	100	4/18/96
18S05W11CCD1	330841	913538	NRCS	99	118	19	100	4/17/96
18S05W22DDA1	330712	913555	NRCS	91	110	19.5	100	4/17/96
19S04W14BBB1	330310	912913	NRCS	85	107	22	100	4/18/96
19S05W16ABB1	330323	913718	NRCS	93	116	23	100	4/17/96
19S05W22DCD1	330139	913615	NRCS	86	107	21	--	4/17/96
				Chicot County				
13S03W35BAC1	333154	912245	USGS	112	134	22.22	90	4/30/96
17S01W06BCC1	331500	911507	USGS	94	115	20.58	100	5/13/96
17S02W10AAA1	331429	911712	USGS	86	114	27.67	90	4/30/96
18S01W19DAB1	330706	911422	USGS	96	110	13.78	--	5/13/96
19S01W17BCC1	330249	911406	USGS	88	106	17.68	120	4/30/96
14S02W09BD	332941	911757	NRCS	103	132	30	--	5/08/96
14S02W18BBA1	332921	912034	NRCS	95	130	35	--	5/08/96
15S01W31ADD1	332051	911412	NRCS	103	120	17	--	5/08/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
15S03W13ACC1	332405	912200	NRCS	94	123	28	--	5/13/96
17S03W18CBC1	331312	912733	NRCS	96	115	19	--	5/13/96
18S01W33BDA1	330530	912458	NRCS	97	115	18	--	5/13/96
19S02W28DAC1	330044	911834	NRCS	86	125	39	--	5/13/96
				Clay County				
18N08E11AB1	361258	901102	USGS	253	259	6.5	100	5/07/96
19N03E24AAA1	361654	904157	USGS	260	278	17.7	--	4/09/96
19N04E19AAA1	361651	904045	USGS	257	282	25.42	--	4/09/96
19N05E15CB1	362230	902358	USGS	261	286	25	110	5/07/96
19N08E02ABB1	361858	901103	USGS	263	269	5.94	--	4/09/96
20N03E25BA1	362112	904238	USGS	269	290	20.6	100	5/07/96
20N04E06BB1	362443	904131	USGS	275	290	15.26	110	5/23/96
20N05E34DBA1	361938	903116	USGS	268	285	17.26	110	4/08/96
20N08E24DDA1	362055	900929	USGS	268	276	7.93	110	4/08/96
21N03E15CBC1	362738	904453	USGS	284	292	8.3	90	5/07/96
21N05E22BA1	362704	903119	USGS	282	285	3	105	5/07/96
21N06E11BB1	362937	901638	USGS	288	296	7.7	100	5/07/96
21N06E28BB1	362505	902659	USGS	280	292	12.35	130	5/23/96
21N08E04DD1	362901	901328	USGS	297	310	13.5	120	5/07/96
21N09E31BA1	362506	900858	USGS	280	284	4.3	100	5/07/96
19N04E11DAA1	361805	903621	NRCS	264	280	16.5	--	507/96
19N06E18DBC1	361642	902815	NRCS	263	292	29	--	5/07/96
19N07E25BCB1	361519	901700	NRCS	256	272	16.4	--	5/07/96
19N08E08DCA1	361729	901402	NRCS	258	263	4.7	--	5/07/96
19N09E19CDC1	361537	900919	NRCS	259	265	6	--	5/07/96
20N04E03AAC1	362433	903716	NRCS	276	290	14	--	5/07/96
20N05E15CAA1	362211	903126	NRCS	270	291	21.4	--	5/07/96
20N05E22CAD1	362118	903132	NRCS	270	291	21.2	--	5/07/96
20N05E30CA1	362034	903440	NRCS	271	283	12.5	--	5/07/96
20N06E09BBA1	362325	902620	NRCS	276	290	14.3	--	5/07/96
20N06E28CDD1	362003	902608	NRCS	270	290	19.7	--	5/07/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
20N08E22BDA1	362122	901212	NRCS	271	279	8	--	5/07/96
20N09E09ABC1	362306	900642	NRCS	272	279	7.3	--	5/07/96
20N09E33DD1	362102	900640	NRCS	264	270	6.5	--	5/07/96
21N03E36CDC1	362447	904227	NRCS	275	290	15.5	--	5/07/96
21N04E09DAC1	362825	903840	NRCS	282	291	9	--	5/07/96
21N07E01DCD1	362835	901607	NRCS	294	303	8.7	--	5/07/96
21N07E19BDA1	362640	902148	NRCS	283	295	12.5	--	5/07/96
				Craighead County				
13N01E23CA1	354430	905736	USGS	185	245	59.7	118	3/20/96
13N02E15BB2	354547	905220	USGS	170	245	75.1	120	3/20/96
13N03E09BAA1	354638	904642	USGS	183	267	83.59	107	4/11/96
13N04E12ABB1	354635	903656	USGS	211	231	19.9	110	4/11/96
13N05E21BDD1	354437	903357	USGS	214	226	11.58	147	4/11/96
13N05E24BAC1	354451	903045	USGS	215	224	9.1	19	3/27/96
13N07E05AB1	354716	902158	USGS	220	227	7.2	100	3/27/96
13N07E20BBA1	354439	902216	USGS	220	223.2	3.6	22.3	4/10/96
14N02E18BDD1	355049	905506	USGS	200	242	41.54	120	4/11/96
14N05E23DA1	354944	903107	USGS	219	238	19.5	140	4/01/96
14N05E25ABB1	354921	903026	USGS	221	238	17.09	--	4/10/96
14N06E06BB1	355238	902948	USGS	222	240	18	125	4/01/96
14N06E20CCD1	354921	902812	USGS	220	226	5.87	150	4/10/96
14N06E27AAB1	354912	902559	USGS	224	225.93	2.21	30.3	4/10/96
14N07E26DAB1	354828	901838	USGS	221	227	6.03	--	4/10/96
15N03E19ADA1	355506	904802	USGS	226	262	35.57	116	4/11/96
15N03E31AD1	355313	904805	USGS	224	270	45.6	117	4/01/96
15N05E22BB1	355517	903248	USGS	230	260	29.9	197	4/01/96
15N05E32AB1	355332	903433	USGS	228	250	22	140	4/01/96
15N06E20DDD1	355426	902739	USGS	227	234	6.7	--	4/10/96
13N01E03AAA1	354739	905753	NRCS	195	240	45.3	128	4/01/96
13N01E21CA	354444	905944	NRCS	187	240	53.4	120	4/01/96
13N02E02AAB1	354733	905036	NRCS	175	251	76.1	130	3/20/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
13N02E03AAA1	354733	905129	NRCS	174	250	75.6	101	3/20/96
13N03E10AD1	354608	904500	NRCS	186	263	77.4	--	3/20/96
13N03E23CDA1	354419	904434	NRCS	169	249	80	130	3/20/96
13N03E28CDA1	354318	904646	NRCS	158	250	91.9	121	3/30/96
13N04E15DCC1	354456	903910	NRCS	209	230	21.3	130	3/20/96
13N04E26BCC1	354335	903834	NRCS	202	225	23.5	100	3/20/96
13N05E02CC1	354648	903202	NRCS	218	230	12	120	3/27/96
13N05E06DCC1	354638	903551	NRCS	211	229	17.8	110	3/20/96
13N06E03ACB1	354714	902614	NRCS	218	221	3.4	105	3/27/96
13N06E21CBD1	354422	902745	NRCS	214	221	6.6	100	3/27/96
13N07E02CA1	354648	901903	NRCS	222	226	4	--	3/27/96
13N07E23BC1	354410	901915	NRCS	217	225	8	120	3/27/96
13N07E35ADD1	354227	901821	NRCS	211	221	10.3	--	3/27/96
14N01E03ACB1	355244	905816	NRCS	210	249	39.3	--	4/01/96
14N01E10BAB1	355204	905828	NRCS	207	246	39.5	96	4/01/96
14N01E31DAB1	354810	910121	NRCS	202	251	48.8	126	4/01/96
14N02E22AAD1	355002	905126	NRCS	192	255	63.2	132	4/01/96
14N05E29BAB1	354913	903456	NRCS	217	236	18.6	120	3/27/96
14N07E07BBC1	355124	902323	NRCS	225	230	5.2	98	3/27/96
14N07E14DD1	354954	901923	NRCS	221	230	8.9	--	3/27/96
15N02E01CAB1	355732	904955	NRCS	229	253	24.4	100	4/01/96
15N02E12ABC1	355656	904934	NRCS	227	250	23.3	120	4/01/96
15N06E04ABB1	355752	902656	NRCS	223	235	12.3	104	4/01/96
15N07E10DA	355622	901934	NRCS	226	235	9.3	106	3/27/96
15N07E21DAB1	355441	902043	NRCS	226	236	9.9	110	3/27/96
15N07E35DB1	355249	901840	NRCS	218	230	12.5	120	3/27/96
16N07E25BB1	355926	901821	NRCS	233	240	6.6	120	3/27/96
				Crittenden				
05N07E28CBA1	350124	902152	USGS	185	201	16.29	--	4/15/96
05N07E34BAB1	350058	902033	USGS	187	203	15.54	100	4/15/96
05N08E11CCD2	350345	901300	USGS	186	211	25.19	63	4/15/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
06N07E13ABA1	350848	901751	USGS	195	211	16.1	110	5/02/96
06N07E13BAA1	350848	901808	USGS	190	205	15.22	130	4/15/96
07N07E05DAD1	351504	902129	USGS	192	215	23.25	132	6/03/96
07N07E31CCC1	351043	902359	USGS	182	207	25.29	110	4/15/96
07N09E05CDD1	351453	900931	USGS	204	214	9.95	120	4/15/96
08N07E13CCC1	351827	901800	USGS	197	221	23.7	100	6/03/96
08N07E14DAA2	351853	901829	USGS	195	219	23.54	--	4/15/96
05N07E08DDA1	350347	902156	NRCS	189	206	17.36	110	5/02/96
05N07E34BDB1	350045	902028	NRCS	189	203	14.36	110	5/02/96
07N06E08DAD1	351430	902812	NRCS	183	210	26.7	120	5/02/96
07N08E17BBC1	351351	901614	NRCS	200	212	12	110	5/22/96
08N06E01DCC1	352021	902408	NRCS	188	215	27.5	120	5/02/96
08N06E06DDA1	352030	902920	NRCS	185	214	29	110	4/04/96
08N07E32DAD1	351618	902146	NRCS	190	215	25	110	4/04/96
09N07E02CCA1	352537	901918	NRCS	195	223	28.1	130	5/02/96
09N08E04CCB1	352359	901302	NRCS	197	216	19	120	5/02/96
				Cross County				
07N01E05CDA1	351520	910052	USGS	156	217	61.2	140	4/16/96
07N01E11AAA1	351501	905707	USGS	153	217	64.36	120	4/16/96
07N03E05ADA1	351541	904738	USGS	150	254	104.13	160	4/16/96
08N05E32ADD1	351632	903438	USGS	177	204	27.23	--	4/15/96
09N01E33BBA1	352204	910002	USGS	157	225	68.06	--	4/16/96
09N03E17DDC1	352411	904731	USGS	151	251	99.63	160	4/16/96
09N05E32BDB1	352151	903511	USGS	183	210	26.52	--	4/15/96
06N02E10CDA1	350903	905156	NRCS	154	209	55.4	--	5/02/96
06N02E12AAA1	350934	904952	NRCS	163	233	69.7	--	5/02/96
07N01E05DCB1	351514	910046	NRCS	155	215	60.5	160	5/03/96
07N01E06CAA1	351533	910133	NRCS	159	220	60.8	--	5/03/96
07N01E33BBA1	351134	910008	NRCS	157	215	58.2	--	5/03/96
07N02E04DCD1	351507	905313	NRCS	161	217	55.7	--	5/02/96
07N02E29DDC1	351134	905405	NRCS	159	220	61.2	--	5/03/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
07N03E05AAD1	351558	904737	NRCS	156	255	99	--	4/26/96
07N04E04DBB1	351544	904034	NRCS	175	201	25.7	--	4/11/96
07N05E02AAB1	351555	903133	NRCS	181	210	29.4	--	4/11/96
07N05E25ABA1	351228	903047	NRCS	177	205	28.3	140	4/11/96
08N01E02CDD1	352020	905746	NRCS	156	220	64.3	--	5/03/96
08N01E16DBB1	351855	905933	NRCS	153	225	72.3	--	4/26/96
08N02E12DCC1	351938	905002	NRCS	151	230	78.7	--	4/26/96
08N02E17BAA1	351926	905420	NRCS	153	225	72.5	--	4/26/96
08N04E27ABB1	351444	903914	NRCS	179	205	26	--	4/11/96
09N01E04ACD1	352615	905914	NRCS	153	225	72.2	140	4/26/96
09N01E36AAB1	352155	905605	NRCS	153	225	72.1	--	4/26/96
09N02E17AAB1	352438	905359	NRCS	153	235	82.5	193	4/26/96
09N02E20AAA1	352359	905342	NRCS	158	230	72.2	120	4/26/96
09N02E30CBB1	352243	905551	NRCS	151	225	74.4	--	4/26/96
09N03E03ACC1	352619	904529	NRCS	155	250	95	--	4/12/96
09N03E17CDD1	352409	904750	NRCS	156	245	89.5	--	4/26/96
09N04E03DBB1	352614	903918	NRCS	191	215	23.9	120	4/11/96
09N04E33ADB1	352204	904020	NRCS	180	205	25.3	--	4/12/96
09N05E32BDB1	352151	903510	NRCS	183	210	26.7	--	4/12/96
				Desha County				
08S03W33ABD1	335801	912337	USGS	158	165.04	6.89	60	5/14/96
09S02W26DDC1	335258	911523	USGS	124	149.27	25.2	94	7/12/96
09S03W17DCB1	335450	912445	USGS	129	155.08	26.31	126	5/14/96
10S04W08BDD1	335046	913144	USGS	139	163.82	24.96	106	5/14/96
11S03W31BBA1	334130	912651	USGS	129	148	18.79	--	5/01/96
12S01W33BAA1	333706	911207	USGS	117	135	18.28	95	5/01/96
13S02W27CAC1	333212	911736	USGS	103	133	29.6	120	5/14/96
13S03W10DAA1	333503	912304	USGS	104	140	35.75	86	5/14/96
07S01E19ABA1	340422	910605	NRCS	131	154	22.92	120	4/22/96
09S01W08BDA1	335608	911234	NRCS	130	151	21	--	4/08/96
09S01W15CBB1	335501	911055	NRCS	124	152	28	--	4/08/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
09S02W17CBC1	335500	911922	NRCS	135	153	18	--	4/08/96
09S02W20DAC1	335352	911835	NRCS	127	152	25	--	4/08/96
09S04W02CDA1	335656	912824	NRCS	129	163	34	--	4/08/96
09S04W06CBB1	335702	913247	NRCS	136	163	27	110	Apr-96
10S01W23DBC1	334836	910931	NRCS	113	143	30	--	4/08/96
10S02W11ADD1	335045	911517	NRCS	129	148	19	--	4/08/96
11S02W15BAD1	334453	911658	NRCS	121	148	27	--	4/08/96
11S02W31DAA1	334205	911941	NRCS	116	147	31	--	4/08/96
11S03W21ABB1	334415	912414	NRCS	112	139	27	--	4/08/96
13S02W05CDD1	333533	911936	NRCS	108	146	38	--	4/08/96
13S02W32DBD1	333126	911917	NRCS	103	135	32	--	4/08/96
13S03W11CAB1	333504	912241	NRCS	103	142	39	--	4/08/96
				Drew County				
11S04W08DBA1	334535	913134	USGS	138	160	21.7	--	5/02/96
11S04W35CCD1	334140	912906	USGS	132	154.21	22.18	65.2	5/02/96
11S05W08CCC1	334545	913837	USGS	149	185	36.16	153	5/02/96
11S06W34DAC2	334231	914205	USGS	146	209	63.04	175	5/02/96
12S04W03ABB1	334133	912949	USGS	135	155	20.29	--	5/02/96
13S04W33ABA1	333205	913040	USGS	126	140	13.56	100	4/30/96
13S06W03DDC1	333545	914200	USGS	133	191	57.56	110	5/02/96
11S04W31ABC1	334225	913242	NRCS	142	152	10.3	100	4/17/96
12S04W25DBB1	333739	912738	NRCS	120	147	27	90	4/17/96
12S05W04AAB1	334159	913700	NRCS	149	182	33	130	4/17/96
13S04W09ACD1	333512	913034	NRCS	129	145	16.4	90	4/17/96
13S04W29CAB1	333231	913206	NRCS	126	135	9.4	100	4/18/96
13S06W21DAA1	333324	914258	NRCS	136	207	71.2	142	4/17/96
14S04W03ADD1	333050	912929	NRCS	127	149	22	92	4/17/96
14S04W05CBA1	333040	913215	NRCS	125	134	9	90	4/18/96
14S04W08CAD1	332944	913138	NRCS	122	130	8	90	4/18/96
14S04W22CAA1	332811	912952	NRCS	117	135	18	100	4/17/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
				Greene County				
16N03E03BA1	360316	904515	USGS	238	260	22.25	100	5/23/96
16N06E03CCC1	360219	902625	USGS	213	258	45.35	194	4/09/96
16N06E28ABB1	355940	902655	USGS	227	251	23.64	--	4/09/96
17N03E02BDB1	360830	904412	USGS	248	266	18.4	115	4/09/96
17N04E30CDC1	360410	904209	USGS	238	265	27.5	100	4/09/96
18N07E20BBA1	361109	902104	USGS	250	257	6.85	--	4/09/96
19N03E26AD1	361555	904301	USGS	258	281	22.58	100	5/23/96
16N02E12AAB1	360220	904926	NRCS	224	260	36.5	110	5/03/96
16N06E09AAC1	360201	902626	NRCS	214	255	40.8	90	4/03/96
16N06E21BBA1	360027	902728	NRCS	223	250	27.3	130	4/03/96
17N03E28CDB1	360422	904626	NRCS	236	258	22	100	4/02/96
17N03E28DCD1	360412	904603	NRCS	233	261	29.5	100	4/02/96
17N03E29ABB1	360503	904722	NRCS	234	255	21.2	90	4/02/96
17N06E15ABB1	360632	902547	NRCS	239	263	24	168	4/02/96
17N06E22CBA1	360520	902604	NRCS	233	265	32.1	200	4/03/96
17N07E03CCC1	360737	901948	NRCS	239	245	6	87	4/03/96
17N07E290BB1	360428	902220	NRCS	239	244	5.2	80	4/03/96
18N07E17BAB1	361202	902103	NRCS	253	260	7.2	100	4/02/96
18N08E29CBA1	360951	901444	NRCS	246	250	4	105	4/03/96
19N04E30DBB1	361537	904116	NRCS	252	276	24.2	100	4/02/96
19N05E34BDD1	361427	903137	NRCS	254	282	28.5	100	4/03/96
				Independence County				
12N04W14DD1	353950	912250	USGS	207	231	23.67	60	5/22/96
12N04W34CBB1	353718	912506	USGS	207	231	24.02	--	4/23/96
14N03W14CAB1	355105	911640	USGS	228	230	2.23	--	4/23/96
14N03W14DAA2	355107	911602	USGS	227	230	2.78	--	4/23/96
14N03W14DBB1	355106	911628	USGS	227	230	2.79	65	5/22/96
11N04W02ABB1	353649	912342	NRCS	215	225	10.1	--	5/03/96
12N05W36AAA1	353736	912826	NRCS	221	235	14.4	--	5/03/96
14N03W12CCB1	355155	911557	NRCS	229	231	1.9	--	5/03/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
14N03W14CBB1	355104	911709	NRCS	226	228	1.8	--	5/03/96
				Jackson County				
09N01W22ADD1	352330	910432	USGS	164	221	56.52	125	4/23/96
09N02W32CBB1	352151	911347	USGS	194	220	26.09	117	4/23/96
10N02W29ABB1	352829	911309	USGS	205	227	21.88	--	4/23/96
10N03W30DBB1	352757	912144	USGS	199	225	26.37	100	4/23/96
11N03W06DAB1	353652	912034	USGS	206	223	16.99	100	5/22/96
11N03W07ADA1	353615	912047	USGS	202	221	18.72	--	5/22/96
11N03W10AAD1	353617	911720	USGS	202	226.38	24.28	100	4/23/96
11N03W10ADD2	353617	911719	USGS	201	225	24.23	--	4/23/96
12N02W25ABB2	353909	910851	USGS	208	234	25.87	--	4/23/96
12N03W35BCA1	353800	911706	USGS	203	220	16.82	95	4/23/96
12N03W35CAC1	353740	911651	USGS	205	221	16.44	95	4/23/96
13N01W20AAA1	354513	910625	USGS	214	242	28.38	147	4/23/96
14N01W09AAA1	355219	910512	USGS	217	251	34.35	--	4/23/96
09N01W15DDD1	352355	910445	NRCS	175	222	47.5	--	4/25/96
09N01W30BAC1	352306	910813	NRCS	187	222	34.8	--	4/25/96
09N02W32BBB1	352217	911348	NRCS	199	224	25	--	4/25/96
10N01W05ADD1	353132	910702	NRCS	186	223	37.4	--	4/25/96
10N01W10ABA1	353055	910445	NRCS	171	220	48.9	--	4/25/96
10N03W30CAB1	352712	912158	NRCS	200	219	19.2	--	4/25/96
11N01W25BBC1	353323	910312	NRCS	173	231	57.7	--	4/25/96
11N02W23DDD1	353350	910934	NRCS	204	225	20.7	--	4/25/96
11N03W18CCC1	353446	912206	NRCS	205	217	11.8	--	4/25/96
12N01W11BCB1	354127	910416	NRCS	202	233	31	--	4/25/96
12N01W30BCCC1	353827	910811	NRCS	207	232	24.6	--	4/25/96
12N01W36BCC1	353724	910317	NRCS	190	236	46.5	--	4/25/96
13N01W23BCB1	354444	910400	NRCS	207	243	35.9	--	4/25/96
13N02W34CBB1	354306	911151	NRCS	225	240	15	--	4/25/96
13N03W15DCA1	354545	911718	NRCS	221	238	17.2	--	4/25/96
13N03W36ABB1	354337	911610	NRCS	222	235	12.6	--	4/25/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
14N01W08AAA1	355250	910623	NRCS	226	253	27	--	4/25/96
14N01W19BBB1	355026	910823	NRCS	222	245	23.2	--	4/25/96
14N01W26CBB1	354909	910407	NRCS	212	247	34.6	--	4/25/96
14N01W33CCD1	354755	910604	NRCS	217	247	29.7	--	4/25/96
14N02W22BBC1	355026	911145	NRCS	222	247	24.8	--	4/25/96
				Jefferson County				
03S08W24BBC1	342621	914950	USGS	157	202	44.61	--	4/01/96
03S09W31DDA1	342415	920048	USGS	191	218	26.53	--	5/15/96
05S06W31CAA1	341329	914200	USGS	172	189.22	17.5	--	3/21/96
05S07W19BCC1	341530	914905	USGS	179	199.23	20.43	59	3/21/96
06S05W15BCA1	341024	913240	USGS	160	177.14	17.16	120	4/01/96
06S06W23AAD1	341007	913707	USGS	170	189.01	19.32	107	3/21/96
03S07W36ACC1	342410	914253	NRCS	162	185	23	--	5/15/96
03S09W14BCD1	342712	915712	NRCS	188	221	33	--	5/15/96
03S09W27AAA1	342547	915730	NRCS	184	222	38	--	5/15/96
03S09W36ACC1	342430	915555	NRCS	186	215	29	--	5/15/96
03S10W26DAD2	342514	920256	NRCS	200	215	15	--	5/15/96
04S07W35DDB1	341836	914347	NRCS	163	185	22.5	--	5/15/96
04S09W01DAA2	342338	915526	NRCS	183	213	30	--	5/15/96
04S09W32DCB1	341859	920008	NRCS	199	215	16	--	5/15/96
05S07W35CDD2	341316	914424	NRCS	179	195	16	--	5/15/96
07S07W18AAD1	340708	914959	NRCS	162	188	26	--	5/15/96
				Lawrence				
15N01E26DDA1	355412	905651	USGS	211	251	40.44	100	5/23/96
15N01W35CBB1	355330	910352	USGS	213	250	36.84	--	5/23/96
16N01E11DAC1	360205	905637	USGS	225	262	37.21	--	4/08/96
15N01E11DAA1	355657	905638	NRCS	219	255	36.4	100	4/24/96
15N01E23DAD1	355455	905643	NRCS	212	250	38.1	100	4/30/96
15N01W03BAB1	355831	910433	NRCS	232	259	27	105	4/25/96
15N01W23BCD1	355504	910352	NRCS	217	255	37.8	110	4/24/96
15N01W30AAA1	355509	910710	NRCS	226	254	27.7	110	5/03/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
16N01E29BCC1	360008	910026	NRCS	222	260	38.1	105	4/10/96
16N01E30DCC1	355934	910131	NRCS	220	260	40.4	100	4/23/96
16N01E35AAA1	355908	905632	NRCS	218	256	38.3	105	4/23/96
16N01W30DDC1	355931	910719	NRCS	236	255	19.4	105	4/25/96
16N02E09AAD1	360219	905212	NRCS	227	261	33.9	110	5/03/96
16N02E19ACA1	360030	905441	NRCS	224	260	35.6	110	5/03/96
16N02E34CBA1	355828	905159	NRCS	218	255	37.4	100	4/24/96
17N01E02BBA1	360901	905707	NRCS	250	260	10	90	5/01/96
17N01E21CAC1	360543	905606	NRCS	248	265	17.5	110	5/01/96
17N01E27AAA1	360519	905732	NRCS	241	270	29.1	110	5/02/96
17N01W26BCB1	360520	910332	NRCS	241	260	19.2	82	5/02/96
17N01W36AAB1	360435	910158	NRCS	248	257	9	85	5/02/96
17N02E04ADD1	360834	905209	NRCS	238	270	32	110	4/26/96
17N02E19CDD1	360514	905501	NRCS	235	265	30.4	--	4/26/96
17N02E21AAC1	360546	905225	NRCS	234	268	34.1	105	4/26/96
17N02E25CBD1	360415	904952	NRCS	237	265	28.5	100	4/24/96
				Lee County				
01N03E02BBC1	344341	904600	USGS	188	236.43	48.81	168	4/17/96
01N03E35BBA1	343923	904549	USGS	191	202	11.01	120	4/17/96
02N01E23BAA2	344630	905817	USGS	159	200	40.82	137	4/17/96
02N02E08ADC1	344756	905434	USGS	163	201	38.5	120	6/04/96
02N02E21ABC1	344620	905358	USGS	170	200	30.02	120	4/17/96
03N02E29DAD1	345015	905429	USGS	169	205	36.27	135	4/17/96
01N01E09CCC1	344216	910048	NRCS	160	182	22.3	140	4/26/96
01N01E24CBA1	344054	905736	NRCS	172	185	13.2	140	4/26/96
01N02E01DDD1	344304	905024	NRCS	179	205	26	140	4/19/96
01N02E09BBA2	344257	905417	NRCS	175	200	25	140	5/03/96
01N02E12ABB1	344256	905044	NRCS	178	205	26.8	140	4/19/96
01N02E22CAA1	344049	905302	NRCS	174	200	25.6	140	4/15/96
01N02E33CBB1	343912	905434	NRCS	172	185	13.4	140	4/26/96
01N02E33CCB1	343904	905434	NRCS	173	185	12.2	140	4/26/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
01N03E27ADD1	343952	904605	NRCS	190	204	13.6	140	4/02/96
02N01E21BAA1	344628	910024	NRCS	165	189	24.3	140	5/03/96
02N01E23ABA1	344628	905818	NRCS	160	202	42.1	140	4/12/96
02N01W34DDC1	344406	910521	NRCS	157	180	23	140	5/03/96
02N02E22BBB1	344628	905300	NRCS	170	200	29.6	140	4/12/96
02N02E36DDC1	344351	905030	NRCS	175	200	25.5	140	4/19/96
02N03E09DDD1	344723	904707	NRCS	172	220	47.7	140	4/03/96
02N03E29CAA1	344500	904846	NRCS	175	215	40	140	5/08/96
02N03E33DCD1	344351	904727	NRCS	190	216	36	140	5/03/96
02N04E03ABD1	344853	903959	NRCS	172	195	22.7	140	5/07/96
03N01E03CBC1	345357	905948	NRCS	151	205	54	140	5/01/96
03N01E17ADC1	345228	910127	NRCS	138	200	62	140	5/01/96
03N01E32BBC1	345009	910146	NRCS	149	200	51.3	140	4/17/96
03N02E12CDC1	345237	905051	NRCS	170	210	40	140	4/03/96
03N02E21CCC1	345055	905422	NRCS	163	209	46	140	5/01/96
03N03E05CBC1	345356	904856	NRCS	170	210	40	110	4/04/96
03N03E11DCB1	345245	904517	NRCS	189	232	43	140	4/04/96
03N03E18DAB1	345212	904923	NRCS	176	196	20	140	4/03/96
03N04E07CBB1	345253	904324	NRCS	173	200	27.5	140	4/04/96
03N05E03ADB1	345359	903316	NRCS	179	197	18.5	140	5/07/96
03N05E26ADC1	345020	903208	NRCS	178	185	6.8	140	5/07/96
				Lincoln County				
08S04W31CBA1	335858	913154	USGS	139	161.9	22.83	99	5/18/96
08S06W02ACB1	340336	913955	USGS	148	181.03	32.73	68	4/05/96
08S07W09BBD1	340248	914845	USGS	164	189.8	25.72	--	5/15/96
09S05W08CCB1	335619	913820	USGS	140	171	31.36	97	4/05/96
09S05W14ABC1	335545	913435	USGS	142	172.5	30.08	98	5/15/96
10S05W06DCC1	335155	913908	USGS	149	175	26.21	--	4/05/96
07S06W03CCA2	340828	914114	NRCS	173	190	17	116	04/00/96
07S07W36CBD1	340411	914529	NRCS	159	185	26	123	04/00/96
08S04W06ACB1	340323	913109	NRCS	159	171	12	95	04/00/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
08S05W12DBA1	340230	913224	NRCS	152	173	21	83	10/02/96
08S05W21DCD1	340047	913538	NRCS	146	174	28	120	04/00/96
08S05W29ABC1	340021	913644	NRCS	141	176	35	100	04/00/96
09S06W04BDD1	335749	914328	NRCS	152	180	28	100	04/00/96
09S06W23BCD1	335456	914137	NRCS	147	175	28	95	04/00/96
				Lonoke County				
01N07W29BBB1	344114	914720	USGS	112	225	112.78	--	4/04/96
01S07W11ADD1	343817	914311	USGS	128	210	82.26	130	4/04/96
01S08W16DCC1	343702	915220	USGS	144	216	72.5	100	4/22/96
01S10W01ACB1	343929	920213	USGS	201	236	34.72	--	4/04/96
02N07W02BBA1	344957	914338	USGS	127	233	106.38	--	4/03/96
02N08W16ABC1	344811	915203	USGS	121	230	109.42	128	5/16/96
02N08W30CAB1	344607	915434	USGS	124	245	121.02	135	2/21/96
02N09W02BDB1	344955	915642	USGS	145	251	105.73	140	4/03/96
02N09W17CCB1	344746	920006	USGS	172	253.2	81.19	127	4/04/96
02S07W10CCB1	343238	914524	USGS	148	201	53.12	--	4/04/96
03N07W15DBC2	345254	914415	USGS	151	227	76.22	144.5	5/15/96
04N08W15BCB2	345833	915120	USGS	195	225	29.92	104	5/16/96
01N07W07ABB2	344351	914752	NRCS	112	227	114.9	--	4/22/96
01N08W03DDA1	344411	915050	NRCS	112	230	117.8	--	4/22/96
01N09W25BAA1	344120	915537	NRCS	146	228	82	--	4/24/96
01N10W15CDA1	344236	920410	NRCS	219	241	22	--	4/24/96
01S06W16CCC1	343648	913952	NRCS	120	207	86.9	--	4/24/96
01S06W32BBB1	343501	914053	NRCS	126	201	75	--	4/23/96
01S07W02CAA1	343902	914342	NRCS	121	210	88.6	--	4/22/96
01S09W36CCC1	343438	915612	NRCS	167	220	53	--	4/24/96
01S10W15BBA1	343807	920433	NRCS	212	238	25.7	--	4/22/96
02N07W07DAA1	344835	914707	NRCS	115	232	116.7	--	4/22/96
02N08W23DDB1	344654	914954	NRCS	106	229	122.9	--	4/22/96
02N09W18ABC1	344822	920055	NRCS	182	261	78.8	--	4/24/96
02N10W15ACC1	344807	920352	NRCS	211	242	31.1	--	4/22/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
02N10W36BDC1	344531	920207	NRCS	203	243	39.7	--	4/24/96
02S07W02BBC1	343424	915718	NRCS	170	224	53.6	--	4/24/96
02S08W22CCC1	343058	915155	NRCS	155	216	61.2	--	4/22/96
02S09W22AAA1	343153	915727	NRCS	170	228	58.5	--	4/23/96
02S09W30DCC1	343013	920114	NRCS	191	228	36.7	--	4/23/96
03N07W32CCD2	345002	914654	NRCS	135	240	105.2	--	4/22/96
03N08W26CDC1	345100	915007	NRCS	136	235	98.6	--	4/24/96
				Mississippi County				
10N09E08CD1	353006	900910	USGS	215	216	11.5	110	6/03/96
11N09E34BBB1	353213	900727	USGS	223	235	12.33	94	4/10/96
11N10E09BCA1	353530	900131	USGS	216	230	13.58	110	4/10/96
12N08E08BCB1	354050	901559	USGS	219	225	6.03	120	4/10/96
12N09E32DAA1	353708	900837	USGS	214	226	12.21	--	4/10/96
13N09E30CCD1	354250	901030	USGS	221	230	9.31	--	4/10/96
14N08E12DAB1	355102	901051	USGS	225	235	9.97	--	4/10/96
14N10E18ABC1	355005	900346	USGS	224	236	11.76	101	4/10/96
14N11E03BCB1	355200	895434	USGS	240	247	7.33	128	4/10/96
14N11E17CCB1	354955	895639	USGS	234	240	6.25	120	4/12/96
14N12E05DCB1	355133	894937	USGS	238	250	11.51	--	4/10/96
15N08E08DBC2	355606	901527	USGS	225	236	10.65	120	4/10/96
15N12E01BCD1	355704	894601	USGS	248	258	10.25	100	4/12/96
16N11E23ADA1	355949	895233	USGS	241	255	13.97	--	4/10/96
12N08E27CAB1	353804	901339	NRCS	212	225	13.17	120	4/12/96
12N09E12ABA1	354051	900447	NRCS	222	232	10.17	120	4/12/96
12N10E04CAA1	354117	900147	NRCS	228	235	7.5	120	4/12/96
12N10E07BCD1	354035	900404	NRCS	222	233	11.25	110	4/11/96
12N10E21DBA1	353842	900122	NRCS	223	236	12.6	110	4/10/96
13N08E24ABB1	354428	901112	NRCS	219	230	11	120	4/11/96
14N08E20DAA1	354921	901458	NRCS	220	225	4.58	110	4/11/96
14N08E26CCD1	354809	901235	NRCS	227	230	3	110	4/11/96
14N11E33DBB1	354718	895522	NRCS	229	240	10.83	120	4/12/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
15N10E21ABC1	355443	900120	NRCS	229	240	11.5	120	4/12/96
16N10E28BBD1	355853	900155	NRCS	228	240	12.25	120	4/12/96
				Monroe County				
01N01W21CDC1	344034	910710	USGS	150	181	30.51	134	4/17/96
01N03W24BBB1	344135	911651	USGS	161	185	24.17	125	4/18/96
01N04W33BBB2	343959	912648	USGS	128	218	89.76	--	4/18/96
01S01W13CDD1	343613	910344	USGS	167	178	11.27	135	4/17/96
01S04W01BAB1	343906	912317	USGS	137	210	73.31	160	4/18/96
02S02W01BCA1	343318	911030	USGS	159	171	11.59	--	4/17/96
03N01W20ABA1	345201	910721	USGS	149	189	39.9	--	4/18/96
03N02W31ADC1	344958	911446	USGS	156	190	34.39	--	4/18/96
03N03W36AAA1	345021	911547	USGS	157	176	18.69	120	4/18/96
04N02W27CDD3	345539	911150	USGS	160	200	39.56	181	4/18/96
04N02W28DDD3	345535	911221	USGS	162	192	29.67	137	4/18/96
04N02W30BBB1	345628	911524	USGS	169	185.16	15.89	119	4/18/96
01N01W03CDB1	344322	910557	NRCS	145	185	40	100	5/02/96
01N03W23BAD1	344124	911735	NRCS	160	176	16	100	5/01/96
01S01W16DB	343615	910632	NRCS	160	175	15	100	5/02/96
01S02W20BBB1	343609	911453	NRCS	158	170	12	100	5/02/96
01S03W20CCD1	343532	912116	NRCS	135	210	75	140	5/01/96
02N01W19ADD1	344624	910814	NRCS	147	190	43	100	5/02/96
02N03W35CDA1	344425	911728	NRCS	154	185	31	100	5/01/96
02S01W01BCD1	342744	910335	NRCS	160	175	15	100	5/02/96
04N02W01BCC1	345929	911004	NRCS	160	194	34	100	5/01/96
04N02W05AAA1	345958	911259	NRCS	171	185	14	100	5/01/96
				Phillips County				
02S01E28CCB1	342916	910058	USGS	159	174	15.08	108	4/17/96
02S02E01ACD1	343256	905037	USGS	169	185.82	16.64	77	4/17/96
02S03E15ACD1	343108	904626	USGS	161	174	13.48	112	4/17/96
05S02E18BDA1	341534	905630	USGS	137	156	18.74	130	4/17/96
01S01E20DDB1	343529	910058	NRCS	170	185	15.5	114	4/22/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
01S02E09BDC	343714	905416	NRCS	177	185	8.5	110	4/22/96
01S02E32BCC1	343350	905526	NRCS	170	200	30.25	120	4/22/96
01S03E02ADD1	343814	904511	NRCS	187	200	13.33	120	4/22/96
01S03E10ABB1	343741	904634	NRCS	191	205	14	120	4/22/96
01S03E20BDD1	343533	904846	NRCS	179	210	30.75	120	4/22/96
01S04E05DCD1	343802	904151	NRCS	188	230	42.33	120	4/22/96
02S02E29DDD1	342901	905444	NRCS	159	180	21.25	125	4/22/96
02S02E33ACC1	342824	905412	NRCS	156	177	21.42	120	4/22/96
02S03E34BCD1	342828	904653	NRCS	151	165	14.33	120	4/22/96
02S04E27ACC1	342932	904002	NRCS	169	177	8.18	175	4/22/96
03S04E02CAA1	342732	903918	NRCS	162	176	14.18	110	4/22/96
04S01E01AAD1	342238	905700	NRCS	145	156	11.42	120	4/22/96
04S01E14CDD1	342014	905837	NRCS	144	155	11.17	120	4/22/96
04S01E29CDC1	341844	910148	NRCS	144	150	6.42	120	4/22/96
04S02E01DBB1	342220	905053	NRCS	155	163	7.75	--	4/22/96
				Poinsett County				
10N01E14CC1	352906	905737	USGS	148	231	82.82	150	5/22/96
10N03E14DAA1	352946	904401	USGS	145	270	125.12	165	5/22/96
10N03E35CDD1	352651	904437	USGS	161	275	114.15	--	4/01/96
10N05E15BDD1	352936	903250	USGS	194	207	13.03	--	4/01/96
10N06E11AAA1	353045	902501	USGS	199	212	12.54	108	4/11/96
10N07E22AAC1	352847	901935	USGS	192	215	22.83	--	4/11/96
11N01E21CBC1	353403	910003	USGS	163	230	66.82	--	4/11/96
11N01E26AA1	353338	905654	USGS	148	236	87.81	140	5/22/96
11N02E05BDA1	353704	905405	USGS	154	245	90.93	175	4/12/96
11N02E26AAB1	353349	905035	USGS	142	241	99.25	158	4/11/96
11N07E22ADD1	353349	901922	USGS	196	218	21.51	--	4/11/96
12N01E07CDA1	354051	910142	USGS	188	236	48.07	120	4/11/96
12N05E34ABA1	353804	903231	USGS	209	215	5.71	100	4/11/96
12N07E04BAA1	354201	902100	USGS	217	223	6.35	--	4/11/96
10N01E02AA	353152	905654	NRCS	151	235	84	100	4/01/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
10N01E10DAB1	353017	905815	NRCS	150	236	86	120	4/01/96
10N01E32CBB1	352657	910053	NRCS	179	222	43	120	4/30/96
10N01E33ABB1	352723	905919	NRCS	157	222	65	120	4/01/96
10N02E20BAB1	352906	905418	NRCS	149	237	88	100	4/01/96
10N03E29BBC1	352820	904814	NRCS	153	236	83	100	4/01/96
10N04E26CBC1	352747	903844	NRCS	194	214	20	100	4/01/96
11N01E21DDC1	353410	905913	NRCS	164	232	68	100	4/01/96
11N01E34CA	353211	905849	NRCS	159	235	76	--	4/01/96
11N02E10CB	353545	905228	NRCS	139	245	106	200	4/30/96
11N02E30BBB1	353352	905522	NRCS	142	239	97	100	4/01/96
11N02E34CB	353238	905222	NRCS	141	240	99	180	4/30/96
11N04E23CBC1	353356	903834	NRCS	192	215	23	100	4/01/96
11N04E36ABA1	353251	903654	NRCS	194	211	17	100	4/01/96
12N01E22DAB1	353922	905809	NRCS	171	235	64	100	4/01/96
12N02E10CB	354108	905225	NRCS	136	245	109	200	4/30/96
12N02E25DCC1	353813	904950	NRCS	139	245	106	120	4/01/96
12N02E34CC	353724	905230	NRCS	145	245	100	180	4/30/96
12N03E01CCA1	354154	904329	NRCS	166	250	84	140	4/01/96
12N03E04DAD1	354156	904557	NRCS	156	248	92	120	4/01/96
12N04E08DA	354059	904057	NRCS	172	252	80	100	4/01/96
12N04E15AAA1	354040	903833	NRCS	201	225	24	60	4/01/96
12N05E16AAA1	354039	903333	NRCS	212	221	9	100	4/01/96
12N07E10CBB1	354042	902022	NRCS	208	220	12	100	4/01/96
				Prairie County				
01S05W14BBC1	343722	913108	USGS	103	211	107.7	118	3/21/96
01S06W13DCD1	343644	913554	USGS	98	224	125.61	126	5/15/96
02N04W02BCB1	344916	912418	USGS	171	188	16.55	140	4/02/96
02N04W32CCB1	344436	912737	USGS	152	221	68.58	--	4/02/96
02N05W06BAB1	344756	913454	USGS	135	221	85.91	145	5/22/96
02N05W29DDB2	344544	913308	USGS	118	228	110.18	--	3/21/96
03N04W03AAC1	345439	912423	USGS	169	187	17.91	106	4/02/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
03N05W03DBB1	345438	913136	USGS	133	207	73.58	130	4/02/96
03N06W01BCB1	345454	913638	USGS	129	216	86.68	115	5/15/96
04N04W07ADC1	345851	912732	USGS	179	194	15.32	110	4/02/96
04N05W07CDC1	345843	913446	USGS	140	212	72.03	--	4/02/96
05N05W14DCD1	350252	913034	USGS	168	205	37.27	--	4/02/96
01S04W28	343514	912624	NRCS	109	206	97.3	180	4/25/96
04N06W08	345907	913948	NRCS	142	202	60	140	4/19/96
04N06W09	345922	913910	NRCS	145	204	59.4	140	4/19/96
04N07W33	345605	914457	NRCS	160	254	93.7	135	4/19/96
05N05W25	350135	912941	NRCS	165	185	19.7	100	4/25/96
05N05W28	350133	913300	NRCS	163	192	28.8	85	4/25/96
				Pulaski County				
01S10W29CC1	343544	920635	USGS	216	233	17.3	100	5/20/96
02N10W05BCC1	344953	920635	USGS	216	239	22.98	97	5/16/96
02S10W14DC1	343213	920309	USGS	202	225	22.78	60	5/20/96
				Randolph County				
18N02E22DC1	361054	905057	USGS	246	276	29.55	110	5/23/96
19N02E09DCA1	361759	905158	USGS	258	267	9.36	--	4/08/96
20N02E12BAA1	362326	904844	USGS	274	280	6.1	120	5/09/96
20N03E28BA1	362101	904532	USGS	266	276	10.05	--	5/23/96
18N01E13BAB1	361229	905553	NRCS	264	266	2	--	6/09/96
18N01E28BAC1	361033	905904	NRCS	243	262	18.6	--	5/08/96
18N01E29BAA1	361027	905959	NRCS	250	260	9.8	--	5/08/96
18N02E02CBA1	361345	905036	NRCS	247	277	29.7	--	5/10/96
18N02E06BDB1	361401	905455	NRCS	256	266	9.9	--	5/10/96
18N02E17CBB1	361204	905356	NRCS	255	265	9.8	--	5/09/96
18N02E20BAA1	361137	905325	NRCS	246	274	28.5	--	5/10/96
18N02E27CAB1	361014	905131	NRCS	243	271	28	--	5/10/96
18N02E32ABB1	360952	905321	NRCS	248	271	22.6	--	May-96
19N02E04ADD1	361903	905141	NRCS	265	267	1.8	--	5/09/96
19N02E09ABA1	361838	905157	NRCS	266	266	0.5	--	5/09/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
19N02E22DAD1	361620	905049	NRCS	261	265	3.6	--	5/08/96
20N02E01DAC1	362358	904826	NRCS	264	281	17	--	5/09/96
20N02E14ADA1	362245	904922	NRCS	255	274	19.3	--	5/09/96
20N02E21DDC1	362054	905233	NRCS	264	269	4.6	--	5/09/96
20N03E06DAC1	362405	904709	NRCS	274	280	5.9	--	5/09/96
20N03E07AAD1	362341	904712	NRCS	268	281	12.9	--	5/09/96
20N03E29CBC1	362036	904715	NRCS	255	285	30	--	5/08/96
20N03E33CCA1	361941	904552	NRCS	265	285	19.9	--	5/08/96
				St. Francis County				
04N01E13ADA1	345738	905638	USGS	154	206	52.3	--	5/29/96
04N01W28CDD1	345536	910634	USGS	144	208	64.36	--	4/16/96
04N03E21DAD1	345623	904656	USGS	184	236	52.42	--	4/16/96
04N05E22BBB1	345654	903359	USGS	172	200	27.52	--	4/16/96
05N03E20AAB1	350212	904810	USGS	157	245	88	--	5/31/96
05N06E34CAB1	350029	902658	USGS	175	200	25.32	110	4/16/96
06N01E33ACA2	350557	905943	USGS	150	211	60.54	--	4/16/96
06N02E13DCA1	350812	905002	USGS	167	231	64.32	--	4/16/96
06N02E15BDD1	350842	905247	USGS	164	214.64	50.64	75	4/16/96
06N02E24AAA1	350755	904955	USGS	169	232	63.32	147	4/16/96
06N05E22ACC1	350723	903249	USGS	166	200	33.71	--	4/16/96
04N01E05AAC1	345931	910048	NRCS	141	205	64	140	5/16/96
04N01W20BBB1	345716	910801	NRCS	143	200	57	140	5/16/96
04N01W25DBC1	345534	910331	NRCS	137	205	68	140	5/16/96
04N04E15ABA1	345752	903948	NRCS	163	200	37	120	5/20/96
05N01E06DAD1	350451	910200	NRCS	147	211	64	--	5/16/96
05N05E21CBA1	350144	903448	NRCS	164	203	39.5	120	5/20/96
05N06E05BBB1	350508	902922	NRCS	165	195	30	120	5/15/96
06N02E18BAA1	350852	905540	NRCS	147	210	63	140	5/16/96
06N04E36CDC1	350512	903744	NRCS	170	200	30	120	5/15/96
06N06E17DDD1	350805	902824	NRCS	174	206	32	--	5/15/96
06N06E20AAA1	350745	902839	NRCS	172	205	33	120	5/15/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
				White County				
05N07W09AAA1	350447	914441	USGS	191	205	13.54	29.5	4/22/96
05N07W10CCC1	350401	914435	USGS	197	203	6.12	80	4/22/96
06N06W34AAB1	350623	913752	USGS	158	213	55.42	--	4/22/96
06N07W17DCC1	350821	914634	USGS	202	217	14.72	90	4/22/96
06N08W13ABA1	350907	914826	USGS	217	228	10.81	60	4/22/96
06N08W26DDB1	350641	914928	USGS	209	230	21.1	89	4/22/96
07N05W32BAB1	351137	913358	USGS	184	213.7	29.81	80	4/22/96
07N07W31CBB1	351113	914807	USGS	220	233	13.43	58	4/22/96
08N05W01ABA1	352105	912908	USGS	206	218	12.15	--	4/22/96
09N04W01ABC1	352613	912250	USGS	194	215	21.49	--	4/23/96
06N06W04BAB1	351046	913921	NRCS	177	221	43.6	--	5/08/96
06N06W13BAD1	350852	913601	NRCS	170	213	43.3	--	5/08/96
06N06W18BCA1	350848	914143	NRCS	184	210	26.4	--	5/08/96
				Woodruff County				
04N03W03AB1	345951	911900	USGS	170	185	15.22	100	5/21/96
05N02W20DCB1	350209	911356	USGS	179	192	13.2	--	4/24/96
05N03W35CC2	350021	911735	USGS	174	187	12.68	100	5/21/96
05N04W12DBA1	350426	912211	USGS	182	186	4.49	92	4/24/96
06N01W06BAB1	351047	910832	USGS	178	202	24.35	--	4/24/96
06N01W33ADB2	350600	910559	USGS	160	216	56.02	--	4/24/96
06N03W31BCB1	350623	912144	USGS	182	185	3.28	--	4/24/96
08N02W31DDD1	351611	911411	USGS	190	194.55	4.42	40	4/26/96
08N03W31AAD1	351655	912028	USGS	193	212	18.94	110	4/24/96
08N04W27AAA1	351757	912341	USGS	187	200	13.46	--	4/24/96
05N01W13DDC1	350243	910254	NRCS	146	210	63.8	135	4/09/96
05N01W31BCB1	350038	910906	NRCS	157	210	53.3	140	4/09/96
05N03W25DDB1	350117	911558	NRCS	177	190	13.1	120	4/09/96
05N03W31CBA1	350049	912137	NRCS	174	178	4.4	120	4/09/96
06N02W19AAA1	350802	911419	NRCS	178	225	46.7	130	4/09/96
06N04W22BDA1	350807	912428	NRCS	181	186	5.3	120	4/09/96

Appendix 2. Information pertaining to measured wells completed in the alluvial aquifer, 1996--Continued

[USGS, U.S. Geological Survey; NRCS, Natural Resources Conservation Service; --, no data]

Local well number	Latitude (degrees)	Longitude (degrees)	Source of data	Water-level altitude (feet above sea level)	Land-surface datum altitude (feet above sea level)	Depth to water (feet below land-surface datum)	Depth of well (feet)	Date of measure-ment
07N01W04DBB1	351530	910603	NRCS	169	225	56	125	4/09/96
07N02W16DBB1	351430	911203	NRCS	184	206	22.4	110	4/09/96
07N03W05ACA1	351553	911941	NRCS	193	213	20.3	120	4/09/96
07N03W31BBA1	351154	912047	NRCS	187	200	12.8	120	4/09/96
08N01W10AAA1	352018	910431	NRCS	169	211	42.5	160	4/09/96
08N02W15ACA1	351936	911118	NRCS	190	209	19.1	100	4/09/96
08N02W27DDC1	351711	911107	NRCS	188	213	24.7	120	4/09/96
09N03W21DBD1	352311	911837	NRCS	201	220	18.9	120	4/09/96

APPENDIX 3

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conductance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
				Arkansas County					
02S03W22DBA1	343037	911848	512	13	--	--	--	--	06/26/95
02S04W14CD1	343100	912445	847	21	93	28	46	130	06/26/95
02S05W19AB1	343130	913500	966	28	--	--	--	120	06/29/95
03S02W16BA1	342600	911530	310	3.5	--	--	--	165	08/02/95
03S03W31DA1	342409	912137	859	--	--	--	--	140	08/01/95
03S04W12BB1	342731	912343	2,080	--	--	--	--	131	06/29/95
03S05W08DD1	342713	913346	463	--	--	--	--	110	06/29/95
03S06W30DA1	342446	914103	552	38	--	--	--	100	08/02/95
04S01W08CCB1	342142	910916	541	9.4	--	--	--	--	08/02/95
04S02W04DDD1	342214	911330	605	3.4	--	--	--	167	08/02/95
04S03W17ADD1	342110	912057	916	46	--	--	--	--	08/01/95
04S04W06CA1	342240	912851	315	3.8	--	--	--	129	08/01/95
04S06W12AD1	342222	913548	1,020	110	--	--	--	100	06/29/95
04S06W16BD1	342130	914000	534	--	--	--	--	--	08/02/95
05S01W09CC1	341552	910737	568	--	--	--	--	140	08/02/95
05S02W11BB1	341642	911231	1,160	88	--	--	--	125	08/02/95
05S03W29BC2	341345	912100	1,040	66	--	--	--	135	08/01/95
05S04W24CD1	341425	912352	1,060	110	--	--	--	130	08/01/95
05S05W12DDC1	341601	912952	1,096	--	--	--	--	--	06/28/95
06S02W23DCD1	340855	911159	517	7.5	--	--	--	--	06/28/95
06S03W23CC1	340621	911904	1,230	140	93	28	46	172	06/28/95
06S05W13DA1	341015	913000	1,170	92	--	--	--	140	08/01/95
07S02W16BD1	340502	911432	1,100	100	110	33	64	--	06/28/95
07S03W17CCB1	340445	912218	787	48	--	--	--	--	06/28/95
07S03W25DCC1	340259	911742	1,330	96	130	45	78	125	06/28/95
07S04W12DDC1	340532	912345	795	32	110	22	27	--	06/28/95
				Ashley County					
15S04W23BAA1	332319	912902	467	23	--	--	--	89	07/11/95
15S04W24CB1	332254	912830	353	12	--	--	--	100	08/24/95
16S04W24ABA1	331805	912746	1,040	56	--	--	--	--	07/11/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conductance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
16S06W35AB1	331629	914116	533	28	--	--	--	140	08/24/95
16S07W29BCB1	331723	915120	290	3.5	--	--	--	41	08/25/95
17S04W03CA1	331455	913011	512	10	--	--	--	100	08/24/95
17S05W11BD1	331423	913523	792	50	--	--	--	87	08/24/95
17S06W03AAB1	331543	914207	730	25	--	--	--	--	08/25/95
17S07W08BD1	331447	915055	917	25	--	--	--	130	08/25/95
18S04W27DA1	330606	912941	553	--	--	--	--	100	07/19/95
18S05W26CA1	330626	913529	537	23	--	--	--	100	08/24/95
18S08W01DBA1	331015	915239	733	26	--	--	--	129	08/23/95
19S04W10CA2	330341	913009	742	--	--	--	--	90	07/19/95
19S05W30BD1	330123	913932	506	12	--	--	--	75	08/24/95
				Chicot County					
13S03W27CD1	333214	912347	1,250	200	--	--	--	80	07/12/95
14S02W02CB1	333028	911644	1,260	76	90	48	110	100	07/13/95
14S03W09BBB1	333018	912458	352	13	29	8.30	16	73	07/12/95
15S01W32AA1	332114	911308	735	--	--	--	--	100	08/22/95
15S02W30DB1	332156	912019	1,260	92	--	--	--	95	08/22/95
15S03W04DA1	332522	912416	1,410	200	130	29	90	100	07/11/95
15S03W34BBB1	332130	912420	1,540	240	79	25	160	--	07/12/95
16S01W15BD1	331824	911129	662	5.7	--	--	--	110	07/19/95
16S02W28DBB1	331632	911833	823	40	--	--	--	110	07/13/95
16S03W22CC1	331717	912429	3,560	830	230	80	330	95	07/12/95
17S01E17CC1	331255	910740	813	3.9	--	--	--	100	07/19/95
17S01W10BC1	331406	911142	567	6.2	--	--	--	110	07/19/95
17S03W03DC1	331431	912340	4,640	1,200	250	99	530	95	07/13/95
17S03W23BBB1	331242	912326	2,860	600	180	75	300	125	07/12/95
18S01W20AB1	330703	911323	707	11	--	--	--	120	07/19/95
18S02W01BAA1	331011	911540	501	42	--	--	--	--	08/22/95
18S03W08BB1	330918	912615	1,270	160	--	--	--	70	08/22/95
19S01W16CB1	330229	911252	699	5.6	--	--	--	110	07/19/95
19S03W13AA1	330302	912124	992	100	--	--	--	104	07/19/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conductance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
				Clay County					
19N03E23DA1	361625	904246	359	--	--	--	--	110	09/01/95
19N05E11BB1	361815	903605	440	--	--	--	--	120	08/30/95
19N06E18AD1	361710	903412	427	--	--	--	--	110	09/01/95
19N08E28BB1	361519	901318	383	6.2	--	--	--	105	08/09/95
20N04E02BA1	362439	903704	343	9.6	--	--	--	90	08/09/95
20N05E22DB1	362111	903112	520	--	--	--	--	110	08/30/95
20N06E30AC2	362031	902812	565	6.6	--	--	--	90	08/09/95
20N08E36AC1	361934	900954	409	9.8	--	--	--	100	08/09/95
21N06E30AA1	362604	902730	435	4.9	--	--	--	120	08/08/95
				Craighead County					
13N01E11BB1	354637	905650	903	17	--	--	--	--	07/15/95
13N02E02AD1	354712	905038	960	17	--	--	--	110	07/15/95
13N02E35DAC1	354236	905044	925	--	--	--	--	127	07/06/95
13N03E05BB1	354728	904809	207	8.4	--	--	--	100	07/15/95
13N04E12ABB1	354635	903656	706	--	--	--	--	110	07/06/95
13N04E29CC1	354312	904132	883	29	--	--	--	120	07/15/95
13N04E35BC1	354250	903831	508	14	--	--	--	120	07/15/95
13N05E30BB1	354401	903625	764	12	--	--	--	140	07/15/95
13N06E29BB1	354405	902844	435	5.4	--	--	--	100	07/14/95
13N07E34AB1	354254	901938	512	6.6	--	--	--	120	07/14/95
14N01E35AC1	354812	905708	926	11	--	--	--	120	07/15/95
14N02E33BA1	354747	905233	784	50	--	--	--	145	07/15/95
14N03E32BC1	354808	904807	300	14	--	--	--	130	07/15/95
14N04E24BD1	354953	903707	429	15	--	--	--	--	08/18/95
14N05E24CB1	354934	903052	811	19	--	--	--	105	07/14/95
14N06E11BA1	355144	902519	272	3.2	--	--	--	120	07/14/95
14N07E04AD1	355221	902040	484	6.9	--	--	--	90	07/14/95
15N02E34BB1	355341	905210	749	8.1	--	--	--	110	07/15/95
15N03E17AD1	355557	904710	823	18	--	--	--	110	07/15/95
15N05E26CD1	355342	903140	640	11	--	--	--	170	07/14/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conduc-tance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magne-sium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
15N06E19AB1	355516	902908	884	7.4	--	--	--	110	07/14/95
15N07E11CA1	355614	901837	429	6.8	--	--	--	114	07/15/95
16N07E26BB1	355914	901912	395	5.0	--	--	--	100	07/15/95
				Crittenden County					
04N07E10DBB1	345803	902040	915	2.7	--	--	--	--	07/20/95
05N07E34CAA1	350017	901909	493	10	--	--	--	800	07/20/95
06N06E07DA1	350901	902924	562	4.8	--	--	--	100	07/20/95
06N07E08BA1	350429	902235	537	2.2	--	--	--	125	07/20/95
06N08E17BA1	350822	902117	641	3.2	--	--	--	110	07/20/95
07N06E32CA1	351059	902849	601	5.7	--	--	--	120	07/20/95
07N07E09BC1	351434	902140	676	6.3	--	--	--	100	07/20/95
07N08E21BB1	351249	901444	378	3.3	--	--	--	120	07/20/95
08N06E22AB1	351833	902621	671	3.4	--	--	--	120	07/20/95
08N07E05DD1	352016	902205	649	4.0	--	--	--	120	07/20/95
09N06E03DBA1	352552	902608	671	--	--	--	--	110	07/20/95
09N07E31AB1	351529	902917	762	9.4	--	--	--	110	07/20/95
09N08E05DD1	352535	901518	718	5.9	--	--	--	111	07/20/95
				Cross County					
06N01E04AB1	351042	905955	920	26	--	--	--	165	07/19/95
06N02E05DC1	350946	905551	899	24	--	--	--	--	07/19/95
06N03E05AC1	351043	904802	559	15	--	--	--	75	07/18/95
06N04E11BD1	350930	903837	699	8.5	--	--	--	110	07/18/95
06N05E09AA1	350945	903330	812	7.8	--	--	--	110	07/18/95
07N01E01BB1	351549	905700	1,280	100	140	42	42	140	07/19/95
07N02E22CC1	351230	905245	1,020	40	--	--	--	150	07/19/95
07N03E05AA1	35160	904740	870	11	--	--	--	160	07/18/95
07N04E25BBC1	351224	903743	811	--	--	--	--	110	07/18/95
07N05E32AA1	351136	903443	811	5.0	--	--	--	120	07/18/95
08N01E14BA1	351920	905746	927	25	--	--	--	150	07/18/95
08N02E15BB2	351918	905233	895	7.6	--	--	--	120	07/18/95
08N03E20DA1	351811	904726	817	46	--	--	--	--	07/18/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conduc-tance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magne-sium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
08N04E12DA1	351956	903650	688	4.7	--	--	--	120	07/18/95
08N05E27ABA1	351742	903244	645	5	--	--	--	--	07/18/95
09N01E13BC1	352410	905654	857	13	--	--	--	150	07/18/95
09N01E18DA1	352417	910119	818	7.1	--	--	--	160	07/18/95
09N02E13BD1	352444	905011	934	--	--	--	--	162	08/21/95
09N03E10DA1	352512	904508	312	13	--	--	--	190	07/18/95
09N04E25CA1	352228	903710	772	7.2	--	--	--	120	07/18/95
09N05E20DA1	352319	903424	666	3.6	--	--	--	110	07/18/95
				Desha County					
08S03W30BBB1	335859	912643	821	52	--	--	--	102	07/21/95
09S01W15CBB1	335501	911056	978	22	--	--	--	--	08/01/95
09S02W18CB1	335509	912009	645	34	--	--	--	96	07/18/95
09S03W20BC1	335413	912528	1,180	68	--	--	--	110	07/21/95
09S04W29DA1	335328	913115	536	37	--	--	--	120	07/20/95
10S01W20CB1	334852	911311	1,480	95	--	--	--	100	08/01/95
10S02W12AD1	335045	911417	1,361	75	--	--	--	100	07/21/95
10S03W03BB1	335204	912324	2,130	350	240	52	130	100	07/19/95
10S04W15CCD1	334927	913000	1,030	110	--	--	--	100	07/20/95
11S02W22ACA1	334359	911648	904	32	--	--	--	--	07/11/95
11S03W31BBA1	334130	912651	497	--	--	--	--	--	07/20/95
12S02W28DA1	333736	911759	953	48	--	--	--	110	08/01/95
12S03W20AB1	333902	912533	477	7.4	--	--	--	100	07/20/95
13S01W05BA1	333606	911309	672	13	--	--	--	--	07/11/95
13S02W27CAC1	333212	911736	908	110	--	--	--	120	07/13/95
13S03W04CAA1	333556	912431	522	17	--	--	--	--	07/12/95
				Drew County					
11S04W01CDD1	334559	912739	798	60	--	--	--	--	07/11/95
11S05W08CCA1	334549	913834	245	32	--	--	--	153	07/18/95
11S06W24CC1	334404	914040	81	5.1	--	--	--	90	08/28/95
12S06W23CC1	333830	914150	149	8.7	--	--	--	100	08/28/95
14S04W27AA1	332734	912925	678	15	--	--	--	100	07/20/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conductance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
15S04W13CAC1	332338	912810	347	9.8	--	--	--	--	07/12/95
				Greene County					
16N03E21AC1	360023	904603	607	9.5	--	--	--	100	08/03/95
16N06E18CD1	360041	902925	118	12	--	--	--	175	08/02/95
17N03E36AD1	360334	904230	866	10	--	--	--	110	08/02/95
17N04E03CC1	360737	903852	619	6.8	--	--	--	117	08/02/95
17N06E15DA1	360609	902518	191	--	--	--	--	130	08/03/95
17N07E18CA2	360601	902244	593	14	--	--	--	126	08/03/95
18N03E13CA1	361156	904238	502	8.4	--	--	--	--	08/03/95
18N04E25CB1	361522	903623	930	60	--	--	--	120	08/03/95
18N05E05BA1	361402	903338	670	19	--	--	--	100	08/03/95
18N07E20BBA1	361109	902104	93	3.6	--	--	--	--	08/03/95
18N08E29CC1	360939	901448	449	--	--	--	--	100	08/31/95
19N03E26AD1	361555	904301	329	--	--	--	--	100	09/01/95
				Independence County					
11N04W13BB1	353505	912310	560	70	--	--	--	55	08/23/95
12N04W34DA1	353720	912428	195	3.7	--	--	--	55	08/23/95
13N03W03AC1	354740	911740	1,650	340	--	--	--	70	08/23/95
14N02W06BA2	355336	911409	758	60	--	--	--	65	08/23/95
14N03W35AA1	354855	911555	1,776	850	--	--	--	80	08/23/95
				Jackson County					
09N01W22BA1	352353	910502	854	--	--	--	--	110	08/24/95
09N02W08AD1	352518	911244	423	--	--	--	--	95	08/24/95
10N02W08CD1	353040	911257	449	5.4	--	--	--	110	08/24/95
10N03W30DB1	352740	912141	394	8	--	--	--	100	08/24/95
10N04W35DA1	352646	912329	330	8.7	--	--	--	115	08/24/95
11N01W30AA1	353342	910738	640	6.9	--	--	--	110	08/24/95
11N02W27AD1	353335	911045	694	9.2	--	--	--	115	08/24/95
11N03W06CC1	353648	912125	350	5.3	--	--	--	80	08/24/95
12N01W15DA2	354020	910427	468	7.4	--	--	--	110	08/24/95
12N02W29BB1	353912	911338	480	--	--	--	--	100	08/25/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conduc-tance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magne-sium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
12N03W27AD1	353855	911723	313	5.3	--	--	--	100	08/25/95
13N01W35CB2	354810	910410	800	--	--	--	--	110	08/24/95
13N02W25DA2	354402	910838	538	6.2	--	--	--	115	08/25/95
13N03W26DD1	354302	911611	358	7.3	--	--	--	100	08/25/95
14N01W02CC1	355232	910312	517	--	--	--	--	105	08/24/95
14N02W01CB2	355235	910835	344	--	--	--	--	120	08/24/95
				Jefferson County					
03S07W03DB1	342832	914442	758	36	--	--	--	100	07/12/95
03S08W10BC1	342753	915154	681	39	--	--	--	135	07/12/95
03S09W02BA1	342359	915700	800	62	--	--	--	110	08/16/95
04S07W14BB1	342154	914437	772	48	--	--	--	90	07/12/95
04S08W10BCA1	342243	915151	764	91	--	--	--	90	07/12/95
04S09W31DAC1	341910	920100	979	28	--	--	--	--	07/13/95
05S07W18BBB1	341644	914902	944	60	--	--	--	110	07/12/95
05S08W07AAA1	341745	915430	642	83	--	--	--	70	07/12/95
06S05W18DC1	340955	913538	756	14	--	--	--	105	07/12/95
06S06W04ADA1	341241	913908	533	11	--	--	--	105	07/12/95
06S07W31BC1	340942	915015	793	--	--	--	--	125	08/17/95
06S08W24DC1	341052	915130	840	--	--	--	--	110	08/17/95
07S07W16CAC1	340644	914830	947	83	--	--	--	--	07/13/95
				Lawrence County					
15N01E24DC1	355458	910208	625	6.6	--	--	--	120	07/14/95
15N01W28AA1	355501	910517	528	--	--	--	--	100	07/14/95
15N02E19CC1	355445	905518	582	--	--	--	--	120	07/14/95
16N01E01AB1	360330	905534	599	5.4	--	--	--	100	07/11/95
16N01W26DA1	355946	910301	512	6.1	--	--	--	110	07/14/95
16N02E05BA1	360326	905352	701	8.1	--	--	--	100	07/11/95
17N01E24BA1	360609	905552	810	22	--	--	--	110	07/11/95
17N02E09AD1	360728	905220	710	8.6	--	--	--	120	07/11/95
17N03E07CA1	360708	904830	688	--	--	--	--	110	08/30/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conductance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
				Lee County					
01N01E02DD1	344305	905747	710	15	--	--	--	120	07/19/95
01N02E27BDB1	344009	905312	590	--	--	--	--	92	07/19/95
01N03E11DA1	344224	904513	513	6.3	--	--	--	120	07/20/95
02N01E06AA1	344906	910206	735	6.2	--	--	--	120	07/19/95
02N01W12BB1	344825	910355	831	15	--	--	--	120	07/19/95
02N02E22AB1	344628	905247	724	7.2	--	--	--	150	07/19/95
02N03E17CC1	344639	904859	607	4.2	--	--	--	125	07/19/95
02N04E04BD1	344842	904118	559	5.7	--	--	--	110	07/20/95
03N01E23DD1	345058	905742	672	7.2	--	--	--	130	07/19/95
03N01W14AA1	345250	910400	707	11	--	--	--	--	07/19/95
03N02E19DD1	345108	905532	590	20	--	--	--	130	07/19/95
03N03E33CB1	344941	904804	854	6.6				120	07/18/95
03N04E03BA1	345419	903958	675	2.9	--	--	--	140	07/18/95
03N05E11BB1	345318	903250	653	4.8	--	--	--	100	07/18/95
03N06E07CA1	345255	903023	708	3.1	--	--	--	105	07/18/95
				Lincoln County					
07S06W21DA1	340555	914143	795	--	--	--	--	100	07/14/95
08S04W31CBA1	335858	913154	1,260	170	110	27	98	99	07/11/95
08S06W09BBC1	340254	914234	790	60	--	--	--	95	07/14/95
08S07W17ADB1	340143	914906	354	--	--	--	--	100	07/14/95
09S06W02AC1	335735	914120	405	11	--	--	--	90	07/14/95
09S07W01DC1	335714	914637	269	18	--	--	--	100	07/14/95
10S05W04DA1	335153	913635	266	8.5	--	--	--	100	07/11/95
				Lonoke County					
01N01W22DD1	344113	914422	476	5.1	--	--	--	130	06/27/95
01N08W15AB1	344304	915109	544	16	--	--	--	140	06/27/95
01N09W13DA1	344242	915515	786	12	--	--	--	155	06/27/95
01N10W25AC1	344109	920204	786	31	--	--	--	90	06/27/95
01S06W19DD1	343557	914102	471	12	--	--	--	110	08/07/95
01S07W23CD1	343556	914346	738	70				135	08/07/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conduc-tance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magne-sium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
01S08W06AB1	343938	915418	417	11	--	--	--	108	08/07/95
01S10W11AB1	343902	920312	509	14	--	--	--	100	08/11/95
02N07W24AAA1	344717	914153	384	40	--	--	--	--	08/03/95
02N09W14BB1	344824	915658	222	--	--	--	--	154	08/16/95
02N10W15AD1	344806	920335	627	--	--	--	--	135	08/16/95
02S06W09CB1	343238	913953	579	61	--	--	--	140	08/11/95
02S07W04DA1	343339	914535	787	58	--	--	--	105	08/07/95
02S08W10CC1	343245	915154	721	42	--	--	--	100	08/07/95
02S09W35ABA1	343010	915640	631	25	--	--	--	--	07/13/95
				Mississippi County					
10N08E17AC1	352929	901526	731	7.6	--	--	--	100	07/12/95
10N09E06CD1	353039	901032	670	12				127	07/12/95
11N08E04DC1	353553	901426	1,410	10	--	--	--	100	07/12/95
11N09E02BA1	353627	900552	717	--	--	--	--	138	07/11/95
12N08E34BC1	353714	901358	830	2.7	--	--	--	--	07/12/95
12N09E33AD1	353707	900733	960	6.1	--	--	--	122	07/12/95
13N08E04BDD1	354649	901458	661	4.6	--	--	--	24	07/16/95
13N09E14BC1	354509	900625	1,010	4.9	--	--	--	107	07/11/95
13N10E19BC1	354409	900413	525	2.3	--	--	--	110	07/11/95
14N08E05AA1	355224	901512	499	5.7	--	--	--	100	07/16/95
14N10E22BB1	354941	900101	698	4.4	--	--	--	120	07/16/95
14N11E28BB1	354848	895536	674	5.7	--	--	--	110	07/11/95
15N08E16DA1	355520	901406	475	7.0	--	--	--	120	07/16/95
16N08E33AA1	355813	901401	476	5.3				110	07/16/95
16N09E19BD1	355936	901017	417	--	--	--	--	110	08/31/95
				Monroe County					
01N01W16DC1	344136	910636	1,680	120	--	--	--	110	08/15/95
01N02W22DA2	344055	911143	399	4.7	--	--	--	120	08/15/95
01N03W03DD1	344329	911809	342	5.8	--	--	--	80	08/14/95
01S01W18DD2	343617	910851	612	35	--	--	--	110	08/15/95
01S02W07CA1	343737	911541	256	3.8	--	--	--	120	08/15/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conductance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
01S03W32CDB1	343356	912116	873	45	--	--	--	175	08/14/95
01S04W13CDA1	343638	912308	622	8.8	--	--	--	150	08/14/95
02N01W29BCC1	344529	910812	1,240	100	--	--	--	--	08/15/95
02N02W15AD1	344715	911123	1,350	160	--	--	--	120	08/15/95
02N03W26BD1	344540	911726	522	21				120	08/14/95
02S01W30DA1	342932	910846	375	5.3	--	--	--	120	08/15/95
02S02W12CD2	343233	911020	312	8.1	--	--	--	120	08/15/95
03N03W25DB1	345037	911602	1,020	180	--	--	--	150	08/14/95
03S01E29BA1	342432	910154	246	4.5	--	--	--	140	08/14/95
03S01W10AA1	342711	910532	242	5.0	--	--	--	110	08/14/95
				Phillips County					
01S02E06BA1	343837	905612	678	9.6	--	--	--	100	08/10/95
01S03E01AD1	343818	904359	767	20	--	--	--	120	08/11/95
02S01E25BC1	342924	905749	516	7.1	--	--	--	120	08/09/95
02S02E26BD1	342935	905212	668	9.0	--	--	--	120	08/09/95
02S03E27CD1	342921	904618	1,030	27	110	48	53	120	08/09/95
02S04E31AD1	342826	904258	407	3.4	--	--	--	120	08/09/95
03S02E35AD1	342320	905033	717	14	--	--	--	120	08/10/95
03S04E08BD1	342648	904228	730	6.2	--	--	--	120	08/09/95
04S01E34BA1	341824	905942	394	2.7	--	--	--	120	08/10/95
04S02E26BC1	341900	905228	882	10	--	--	--	120	08/10/95
05S01E11BA1	341637	905837	665	3.5	--	--	---	120	08/10/95
06S01E21CB1	340933	910051	748	6.3	--	--	--	120	08/10/95
				Poinsett County					
10N01E08BC2	353546	910108	360	3.3	--	--	--	150	07/10/95
10N02E34BA1	352717	905157	940	50	--	--	--	155	07/10/95
10N03E21CD1	352840	904639	755	6.9	--	--	--	120	07/10/95
10N04E23DD1	352842	903747	920	12	--	--	--	105	07/10/95
10N05E09CA1	353051	903322	589	--	--	--	--	90	08/18/95
10N06E01CC1	353100	902441	619	4.4	--	--	--	100	07/13/95
10N06E23BC1	352842	902525	586	3.5	--	--	--	120	07/13/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conduc-tance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magne-sium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
10N07E05DD1	353047	902132	660	5.9	--	--	--	106	07/13/95
11N01E27AA1	353338	905758	651	20	--	--	--	160	07/10/95
11N02E09BB1	353628	905330	770	5.7	--	--	--	32	07/14/95
11N03E19BB1	353436	904859	1,040	6.1	--	--	--	180	07/14/95
11N04E10AB1	353611	903903	827	23	--	--	--	120	07/14/95
11N05E34BA1	353243	903250	728	7.2	--	--	--	100	07/13/95
11N06E06DA1	353729	902927	693	5.5	--	--	--	120	07/14/95
11N07E03CB1	353631	902023	644	9.1				158	07/13/95
12N01E25BB1	353905	905648	1,070	34	--	--	--	140	07/10/95
12N02E21BA1	353802	905302	662	6.8	--	--	--	139	07/10/95
12N03E13CC1	354008	904343	678	36	--	--	--	230	07/14/95
12N04E14AD1	354021	903736	872	8.7	--	--	--	70	07/14/95
12N05E27DB1	353830	903202	713	10	--	--	--	150	07/13/95
12N07E12CD1	354017	901803	726	5.5	--	--	--	120	07/12/95
				Prairie County					
01N04W06AA2	344424	912748	722	12	--	--	--	140	08/03/95
01N05W29CC1	344014	913407	846	12	--	--	--	127	08/17/95
01N06W08BB1	344346	914040	756	--	--	--	--	164	08/04/95
01S04W28BD1	343521	912624	882	27	--	--	--	149	08/03/95
01S06W12BA2	343820	913615	709	32	--	--	--	135	08/04/95
02N04W32CCB1	344436	912737	627	10	--	--	--	--	08/03/95
02N06W20CB1	344643	914031	709	9.6	--	--	--	142	08/04/95
02S06W01CC1	343317	913635	730	--	--	--	--	127	08/04/95
03N04W22CA1	345133	912508	492	2.9	--	--	--	150	08/03/95
03N05W06BD1	345433	913423	634	33	--	--	--	124	08/03/95
03N06W36CB1	345020	913610	1,600	160	--	--	--	100	08/16/95
04N04W04BBB1	350030	912605	515	21	--	--	--	100	07/21/95
04N06W05BC1	350001	914019	617	38				120	08/04/95
04N07W02DD1	345938	914244	499	24	--	--	--	0	08/04/95
05N04W25AB1	350202	912216	427	6.0	--	--	--	110	06/23/95
05N05W06DD1	350445	913426	665	--	--	--	--	120	07/21/95
05N06W20BC1	350237	914023	417	27	--	--	--	100	08/04/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conduc-tance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magne-sium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
				Pulaski County					
01S10W29CC1	343544	920635	230	2.9	--	--	--	100	08/16/95
02S10W14DC1	343213	920309	706	--	--	--	--	60	08/16/95
				Randolph County					
18N01E29DA1	361014	905920	590	--	--	--	--	80	07/11/95
18N02E11DB1	361254	905008	483	10	--	--	--	--	07/11/95
19N02E15DB1	361709	905055	279	--				97	08/30/95
20N02E01AD1	362424	904815	187	12	--	--	--	65	07/11/95
20N03E18DA1	362148	904645	346	11	--	--	--	100	07/11/95
20N03E32CD1	361948	904649	290	--	--	--	--	100	08/30/95
21N03E31DA1	362505	904710	284	--	--	--	--	65	07/11/95
				St. Francis County					
04N01W24DA1	345647	910245	1,000	24	--	--	--	130	07/19/95
04N02E02DC1	345855	905135	1,300	120	140	45	34	150	07/19/95
04N02E16CB1	345725	905420	821	--	--	--	--	120	07/19/95
04N03E09CC1	345753	904755	878	10	--	--	--	120	07/19/95
04N04E17CC1	345658	904229	828	16	--	--	--	120	07/19/95
04N05E10BD1	345820	903335	568	4.9	--	--	--	110	07/19/95
04N06E03BB1	350007	902734	567	2.6	--	--	--	60	07/20/95
05N01E15CC1	350235	905942	1,660	200	170	52	67	130	07/19/95
05N02E32CB1	345224	905520	760	--	--	--	--	120	07/19/95
05N03E07AC1	350347	904909	735	28	--	--	--	130	07/20/95
05N05E30BD1	350057	903646	641	5.7	--	--	--	--	07/19/95
05N06E24DC1	350155	902427	695	3.1	--	--	--	120	07/20/95
06N01E23AD2	350743	905801	932	23	--	--	--	114	07/19/95
06N02E16CCB1	350824	905403	837	--	--	--	--	120	07/19/95
06N03E18CA2	350810	904950	746	33	--	--	--	140	07/19/95
06N04E36BB1	350558	903750	683	6.3				120	07/20/95
06N05E22ACC1	350723	903249	735	--	--	--	--	--	07/20/95
				White County					
05N06W14AB1	350348	913637	760	24	--	--	--	90	07/19/95

Appendix 3. Water-quality data from wells completed in the alluvial aquifer and sampled during the spring and summer of 1995--Continued

[µS/cm, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; --, no data]

Local well number	Latitude (degrees	Longitude (degrees)	Specific conduc-tance (µS/cm)	Chloride, dissolve (mg/L)	Calcium, dissolved (mg/L)	Magne-sium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Total depth (feet)	Date
05N08W24CC1	350219	914906	371	110	--	--	--	90	07/19/95
06N04W07CC1	359000	912858	489	--	--	--	--	75	07/19/95
06N05W11BB1	350940	913110	367	40	--	--	--	80	07/19/95
06N06W02BA1	351039	913715	515	79	--	--	--	70	07/21/95
06N07W28CB1	350655	914547	320	71	--	--	--	90	07/19/95
06N08W34DD1	350541	915025	210	42	--	--	--	90	07/19/95
07N06W20CC1	351246	914040	288	29	--	--	--	70	07/20/95
07N07W25AC1	351212	914220	712	--	--	--	--	--	08/29/95
08N04W06CB1	352025	912842	799	120				80	07/18/95
08N05W12BA1	352018	912930	662	--	--	--	--	80	07/18/95
08N05W36ADD1	351625	912857	717	140	--	--	--	45	08/29/95
09N04W15DC1	352349	912439	1230	180	--	--	--	60	07/18/95
				Woodruff County					
04N02W06CA1	345924	911450	444	12	--	--	--	100	07/20/95
04N03W03AB1	345951	911900	203	5.6	--	--	--	100	07/20/95
05N02W09CD1	350427	911231	219	--	--	--	--	110	08/17/95
05N03W35DC1	350019	911706	344	5.4	--	--	--	100	07/20/95
05N04W03DD1	350454	912418	433	3.6	--	--	--	110	07/20/95
06N01W16DD1	351345	911836	764	11	--	--	--	120	07/20/95
06N02W30BD1	350707	911455	342	--	--	--	--	120	07/20/95
06N04W35CD1	350602	912329	420	3.5				100	07/20/95
07N01W36AA1	351133	910254	877	80	--	--	--	120	07/21/95
07N02W15BC2	351400	911205	330	10	--	--	--	100	07/21/95
07N03W19AD1	351318	912029	642	6.9	--	--	--	--	07/21/95
08N01W03AA1	352110	910433	523	14	--	--	--	120	07/21/95
08N02W28DA1	351715	911202	331	5.0	--	--	--	160	07/20/95
08N03W10CB1	351853	911804	241	--	--	--	--	110	08/18/95
08N03W31DD1	351641	912033	385	5.4	--	--	--	115	07/20/95
08N04W23DC1	351728	911805	355	--	--	--	--	80	08/18/95
09N03W33CB2	352112	911552	408	--	--	--	--	100	08/29/95

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