

Contributions of State and private forest
lands to surface drinking water supply:

ARKANSAS

**This file compiles State-specific excerpts from
appendices A and B of the following report:**

Liu, Ning; Dobbs, G. Rebecca; Caldwell, Peter V.; Miniati, Chelcy Ford; Bolstad, Paul V.; Nelson, Stacy; Sun, Ge. 2020. Quantifying the role of State and private forest lands in providing surface drinking water supply for the Southern United States. Gen. Tech. Rep. SRS-248. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 405 p. <https://doi.org/10.2737/SRS-GTR-248>.

Appendix A—Detailed information regarding forest ownership, water yield, surface drinking water intakes, and percent of water originating on State and private forest (SPF) lands in Arkansas.

Table B.AL.1—Public water system intakes receiving water from State and private forest land in Arkansas.

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STATE OF ARKANSAS

Summary

State and private forest (SPF) lands cover almost half of Arkansas (figs. A.AR.1 and A.AR.2; table A.AR.1). About 43.7 percent of all Arkansas surface water originates on SPF lands (fig. A.AR.3). The majority of SPF land area is in, and surface water is from, family-owned forests, accounting for about 52.1 percent of the land area of SPF and 51.4 percent of surface water from SPF. Corporate-owned forests contribute 36.2 percent of surface water from SPF and account for 35.4 percent of land area of SPF. Average annual water yield in Arkansas is about 511 mm (fig. A.AR.4). Arkansas has a total of 189 surface drinking water intakes where at least some available water comes from SPF (fig. A.AR.5). About 61.1 percent of the total population of Arkansas is served by surface drinking water overall, and Arkansas SPF surface drinking water also serves about 61.1 percent of the State population, or 1.8 million people, to some degree. About 0.6 million people in Arkansas are getting more than half of their surface drinking water

from SPF within the State (fig. A.AR.6). State and private forest lands in Arkansas also supply water to 99 surface drinking water intakes in other States (Louisiana, Missouri, and Oklahoma) (fig. A.AR.7), which collectively serve about 1.7 million people in 83 communities (fig. A.AR.8). Many public water systems in Arkansas utilize more than one surface drinking water intake; these systems are shown (intakes aggregated) in figure A.AR.9 by population served (symbol size) and percentage of water from SPF lands in Arkansas (symbol color). The Little Rock detail map (fig. A.AR.10) adds clarity on the hydrology, surface drinking water intakes, water originating on SPF lands, and population centers in an area where there is complex intersection between public water supply systems and population served. A case study (fig. A.AR.11) of the Central Arkansas Water public water supply system presents an example of the important role SPF lands play in providing water supply to a single community in Arkansas, where three surface drinking water intakes receive about 63.5 percent of their water from SPF and serve about 0.3 million people.

Table A.AR.1—Land area by land cover and forest ownership type in Arkansas

Land cover	Land area (km ²)	Land area (acres)
Forest	80 126	19,799,300
Nonforest	63 414	15,669,885
Forest ownership type ^a	Land area (km ²)	Land area (acres)
Federal (public)	15 235	3,764,549
Tribal (public)	18	4,443
State (public)	4240	1,047,827
Local (public)	291	71,795
Corporate (private)	22 969	5,675,763
Family (private)	33 826	8,358,492
Other private	3547	876,431

^aState and private forest land comprises State, local, corporate, family, and other private (the last two also referred to together as nonindustrial private forest, or NIPF). Corporate ownership lands include forest land owned by forest industry as well as other corporate entities such as Timber Investment Management Organizations and Real Estate Investment Trusts (TIMOs and REITs, respectively).

Arkansas Forested Lands by Ownership

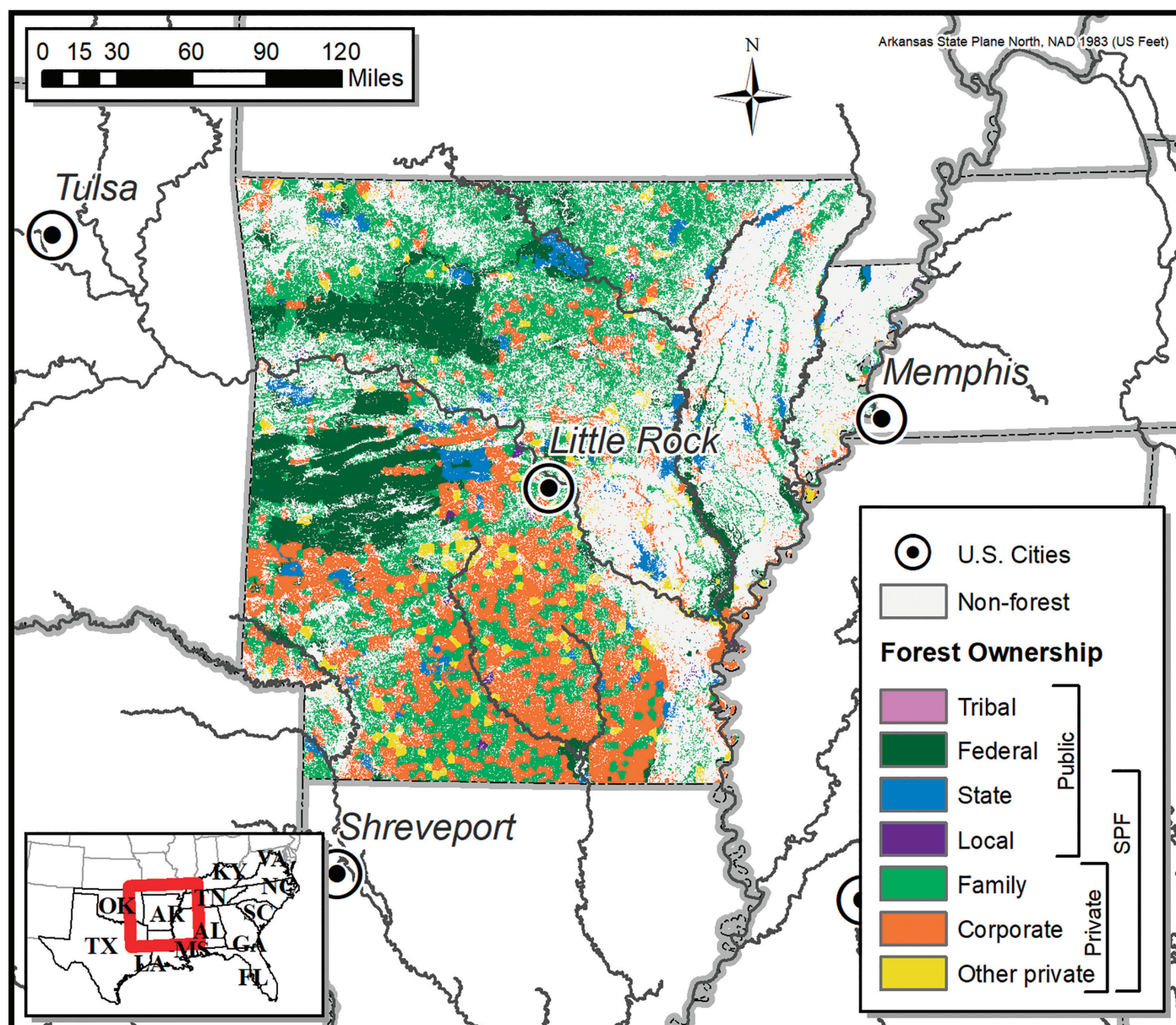


Figure A.AR.1—Arkansas nonforest land and forest lands by ownership, ca. 2014. Forest ownership data source: raster dataset by Hewes and others (2017); see report for more discussion of data derivation and accuracy.

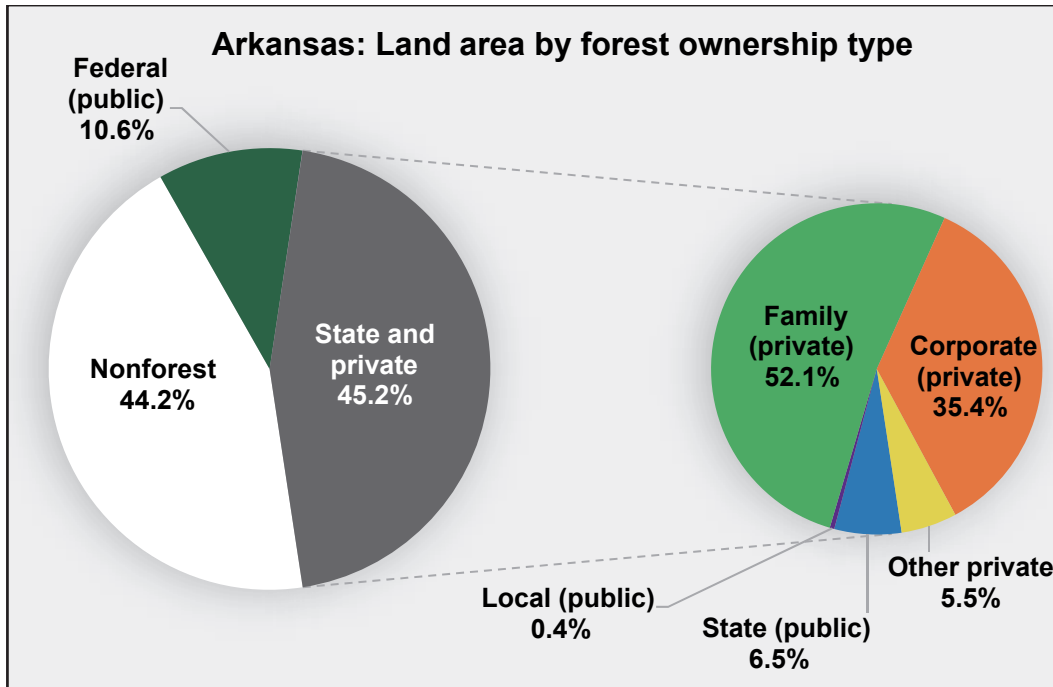


Figure A.AR.2—Land area percentages by forest ownership, ca. 2014. In the smaller circle, percentages represent portion of SPF total for each ownership category. Note: Due to rounding, percentages may not total exactly 100.

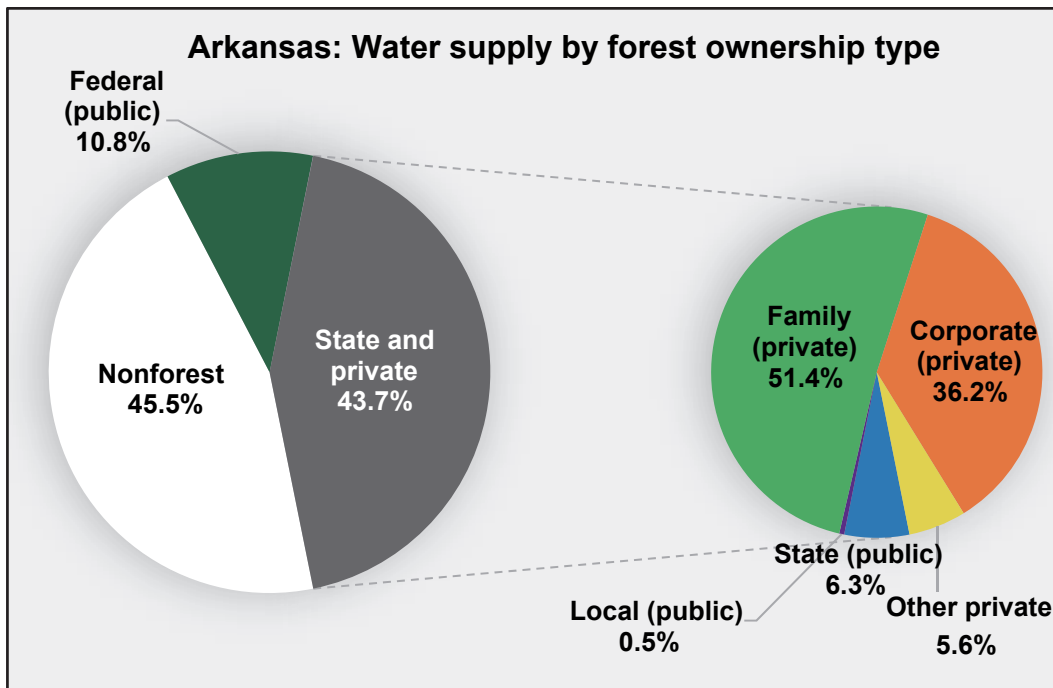


Figure A.AR.3—Percentage of Arkansas's water supply deriving from nonforest lands and forest lands of different ownership, ca. 2014. In the smaller circle, percentages represent portion of SPF total for each ownership category. Note: Due to rounding, percentages may not total exactly 100.

Arkansas

2001-2010 Mean Annual Water Yield by 12-Digit Hydrologic Unit

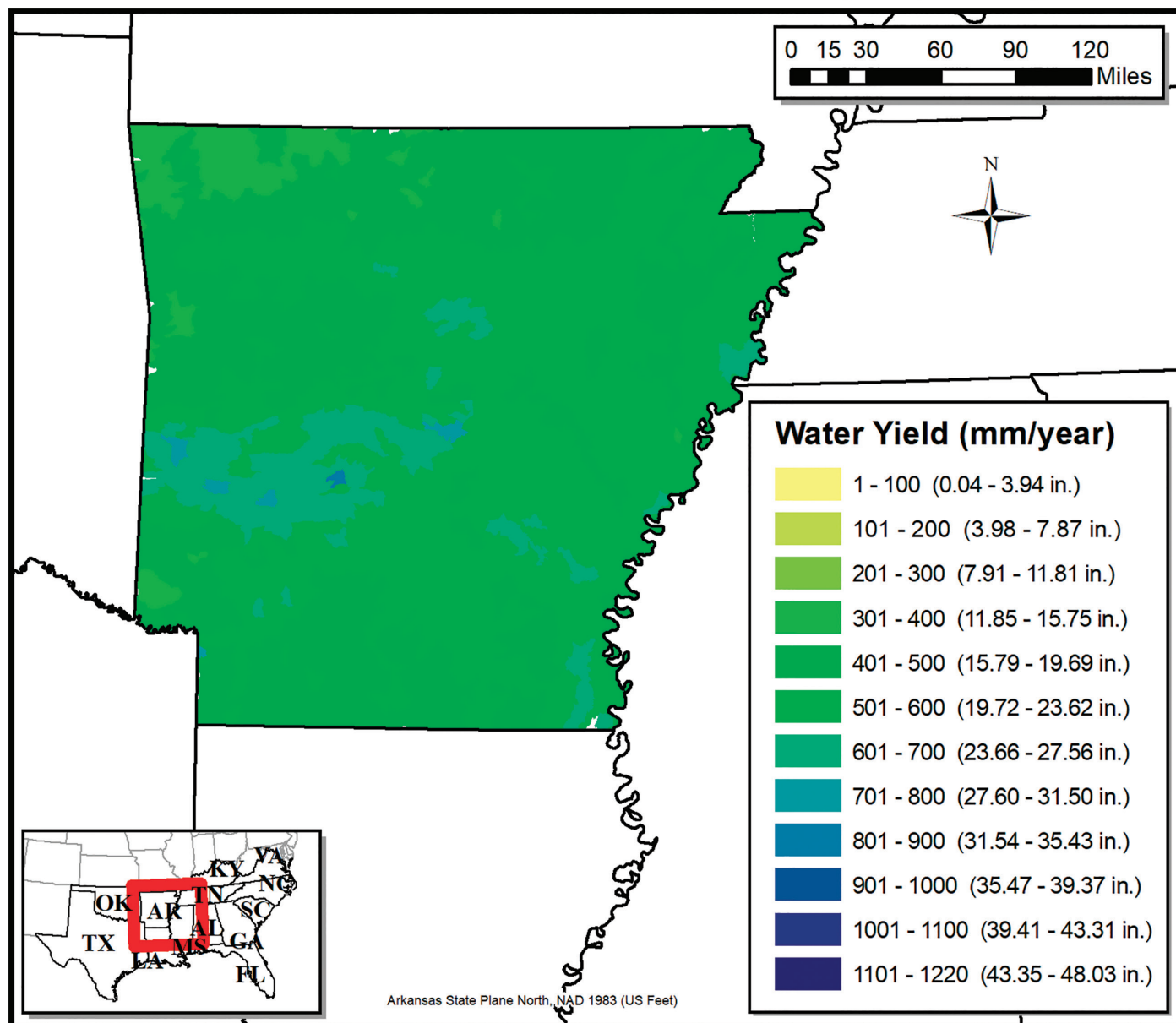


Figure A.AR.4—Estimated mean annual water yield by 12-digit hydrologic units in Arkansas, 2001–2010. Hydrologic Unit Codes (HUC) use number of digits to represent watersheds of different scales. A 12-digit HUC (HUC12) represents a small local watershed. For explanation of water yield and how it is derived, see report.

(A) Streams and Intrastate Public Water System Intakes Receiving Water from Arkansas State and Private Forests

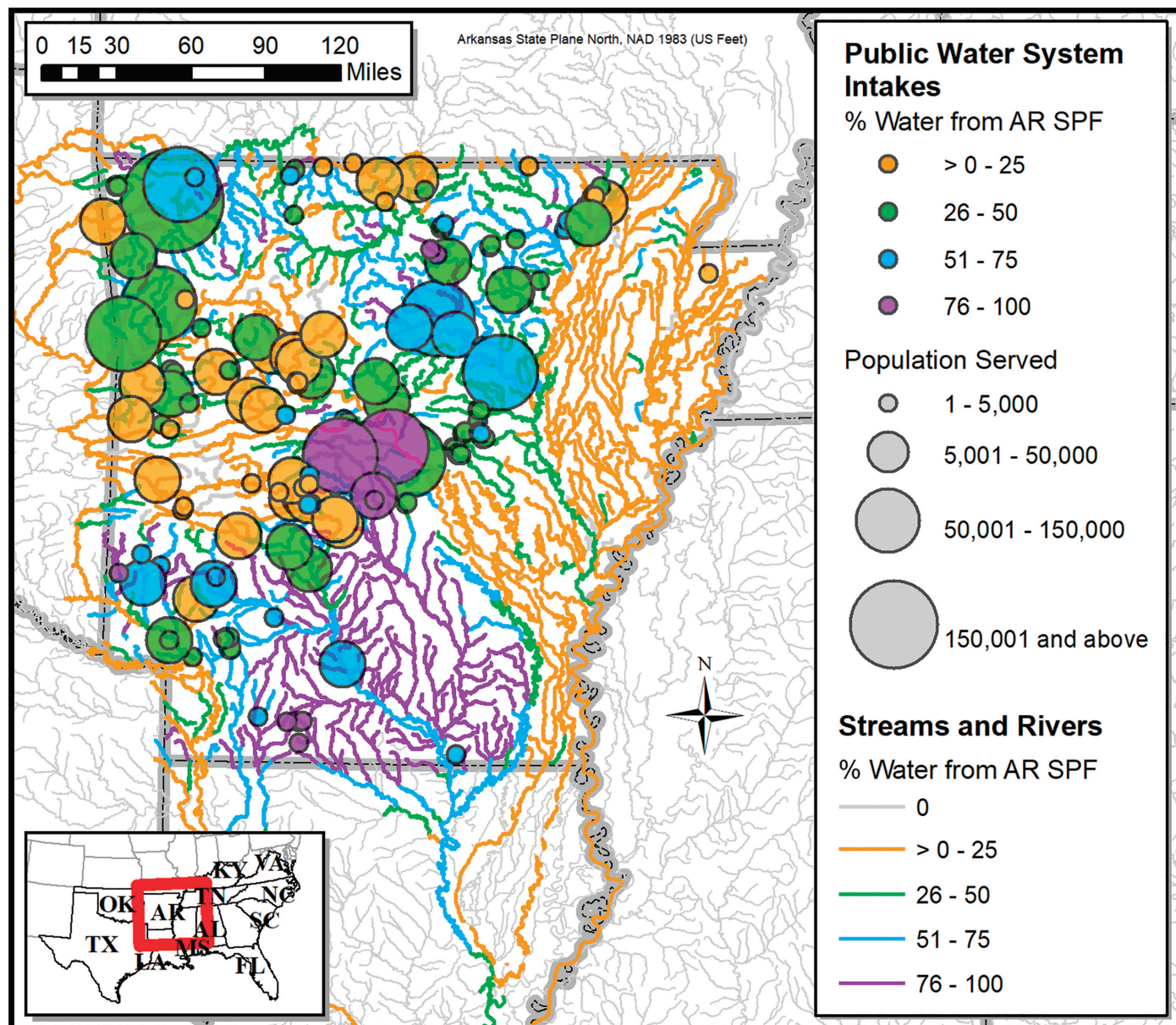


Figure A.AR.5—(A) Arkansas streams by percentage of Arkansas SPF water content, surface drinking water intakes within Arkansas by percentage of Arkansas SPF surface water available at intake (symbol color), and population served by each intake (symbol size). A total of 189 surface drinking water intakes within the State serve a population of 1,833,698 in 100 communities. Note: See figures A.AR.5 parts B and C on separate pages for streams and intakes only.

(B) Streams Receiving Water from Arkansas State and Private Forests

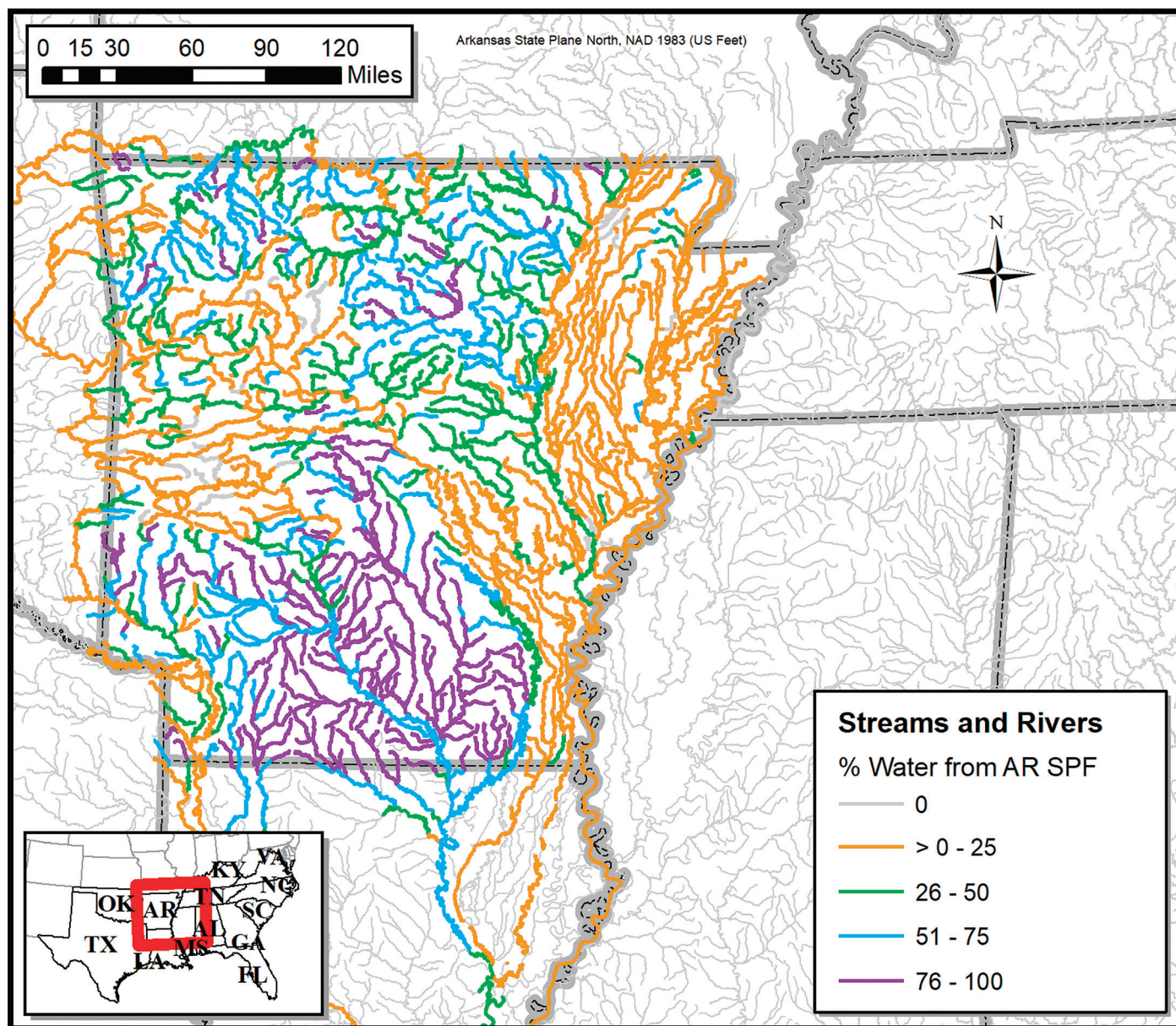


Figure A.AR.5—(B) Arkansas streams by percentage of Arkansas SPF water content.

(C) *Intrastate Public Water System Intakes Receiving Water from Arkansas State and Private Forests*

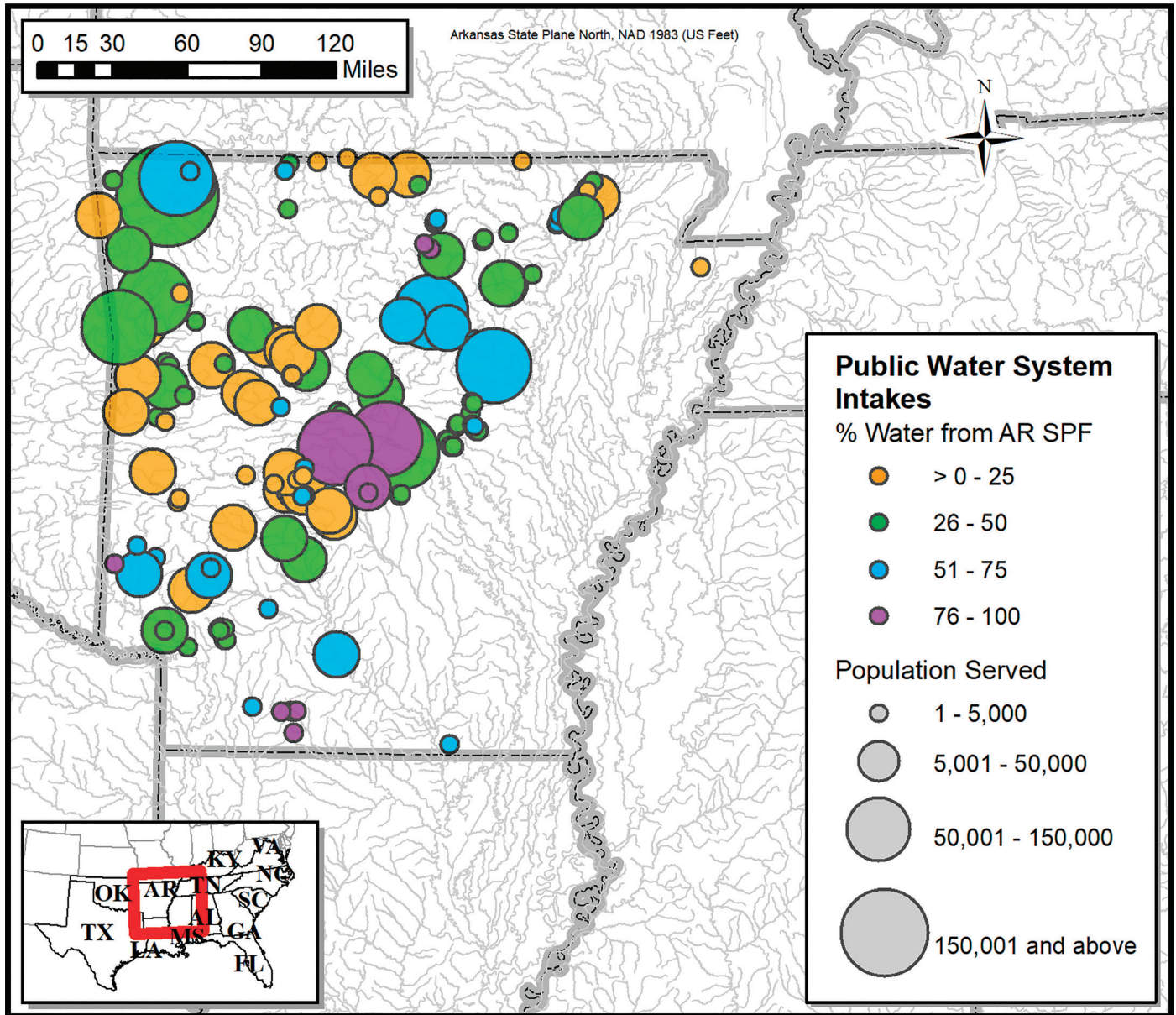


Figure A.AR.5—(C) Surface drinking water intakes within Arkansas by percentage of Arkansas SPF surface water available at intake (symbol color) and population served by each intake (symbol size). A total of 189 surface drinking water intakes within the State serve a population of 1,833,698 in 100 communities.

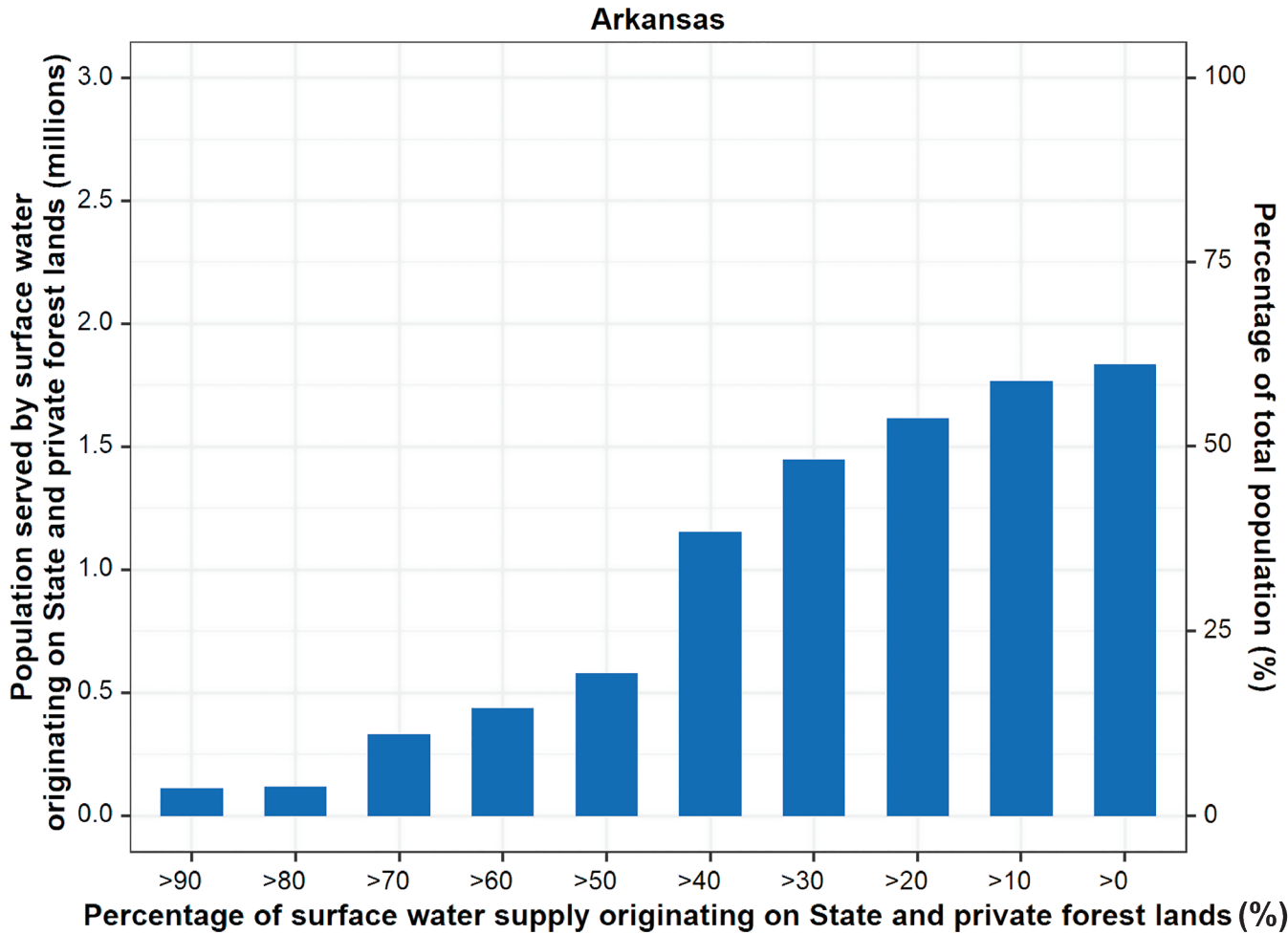


Figure A.AR.6—Cumulative frequency of population served according to percentage of water coming from Arkansas SPF lands.

Public Water System Intakes Outside of Arkansas Receiving Water from Arkansas State and Private Forests

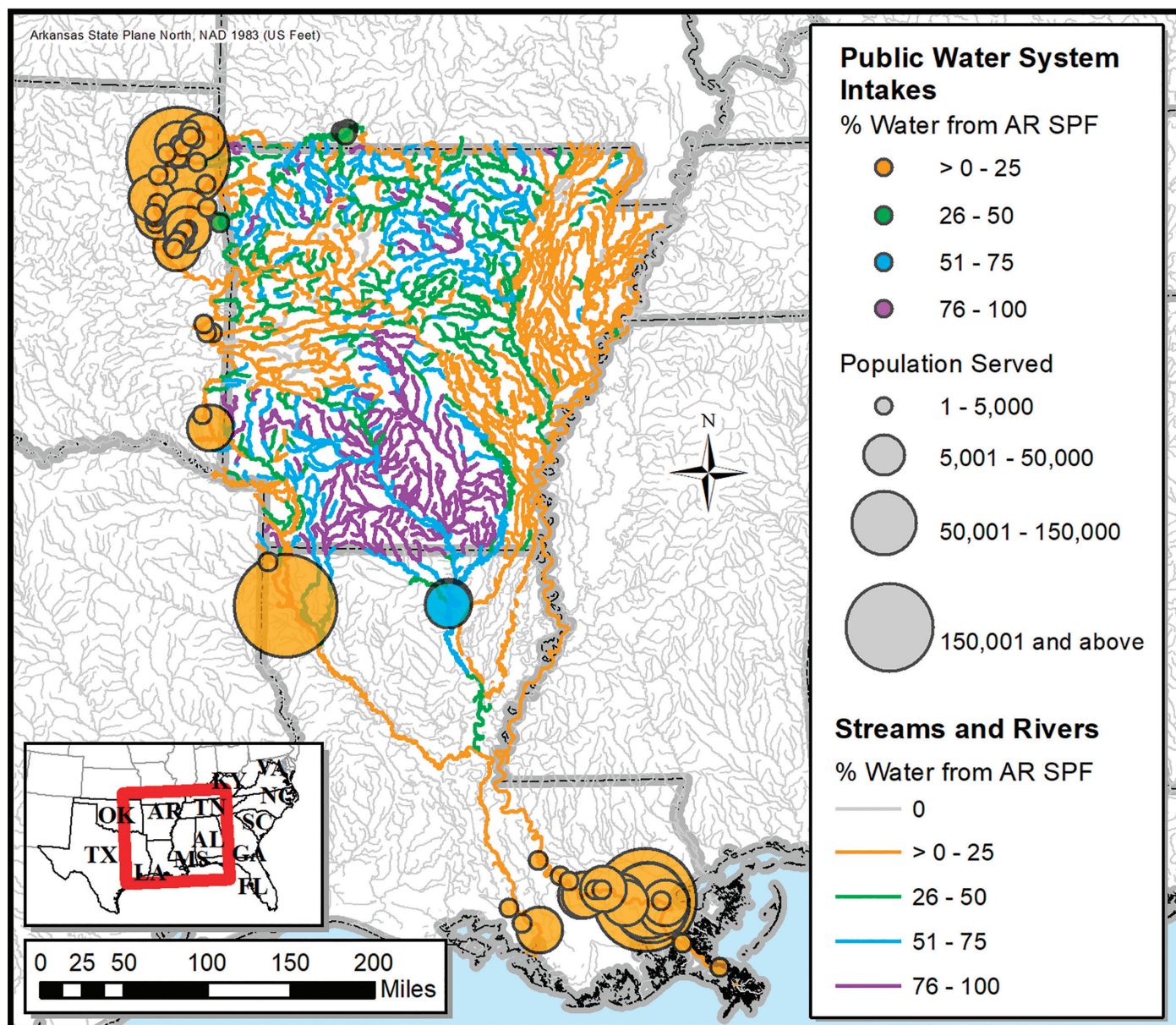


Figure A.AR.7—Arkansas streams by percentage of Arkansas SPF water content, surface drinking water intakes downstream of Arkansas by percentage of Arkansas SPF water content (symbol color), and population served by each of these external intakes (symbol size). A total of 99 surface drinking water intakes outside the State but carrying Arkansas SPF water serve a population of 1,710,089 in 83 communities.

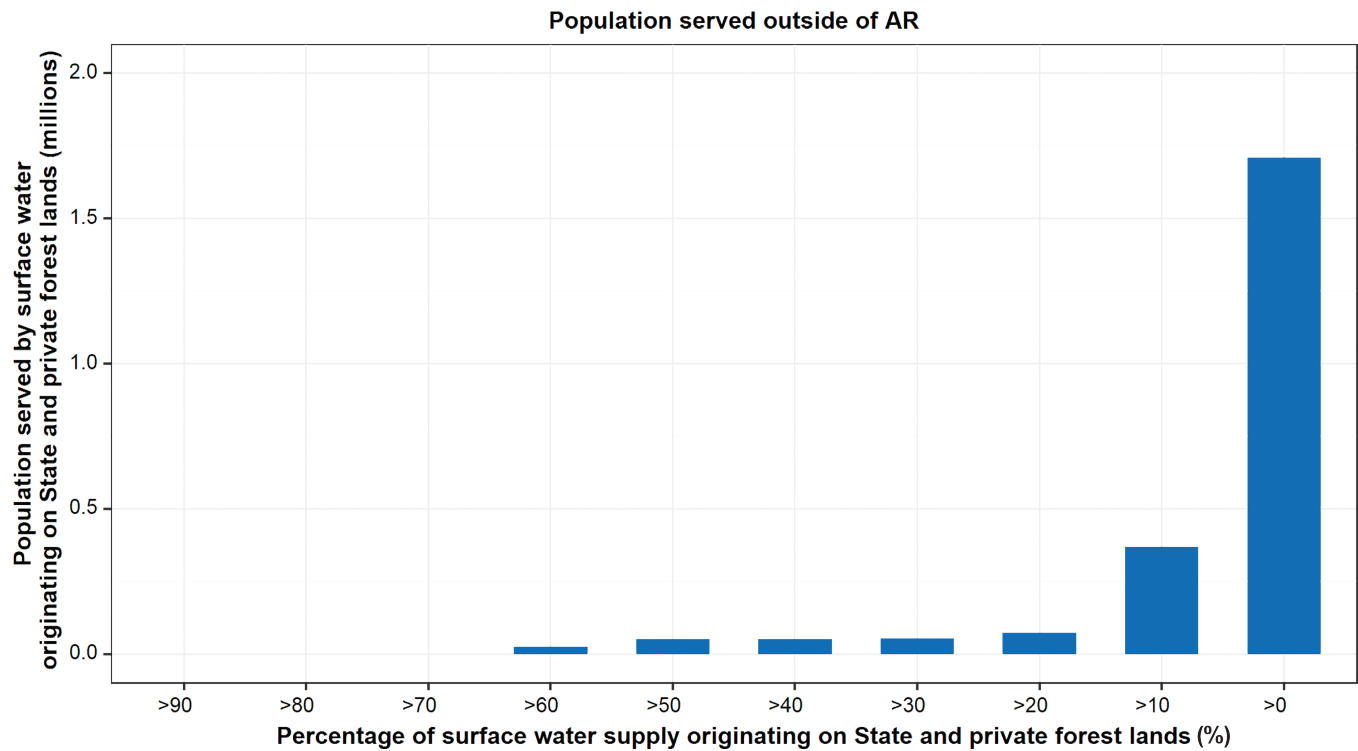


Figure A.AR.8—Cumulative frequency of non-Arkansas population served according to percentage of water coming from Arkansas SPF lands.

Multi-Intake Public Water Systems (Aggregated to Single Symbol) Receiving Water from Arkansas State and Private Forests

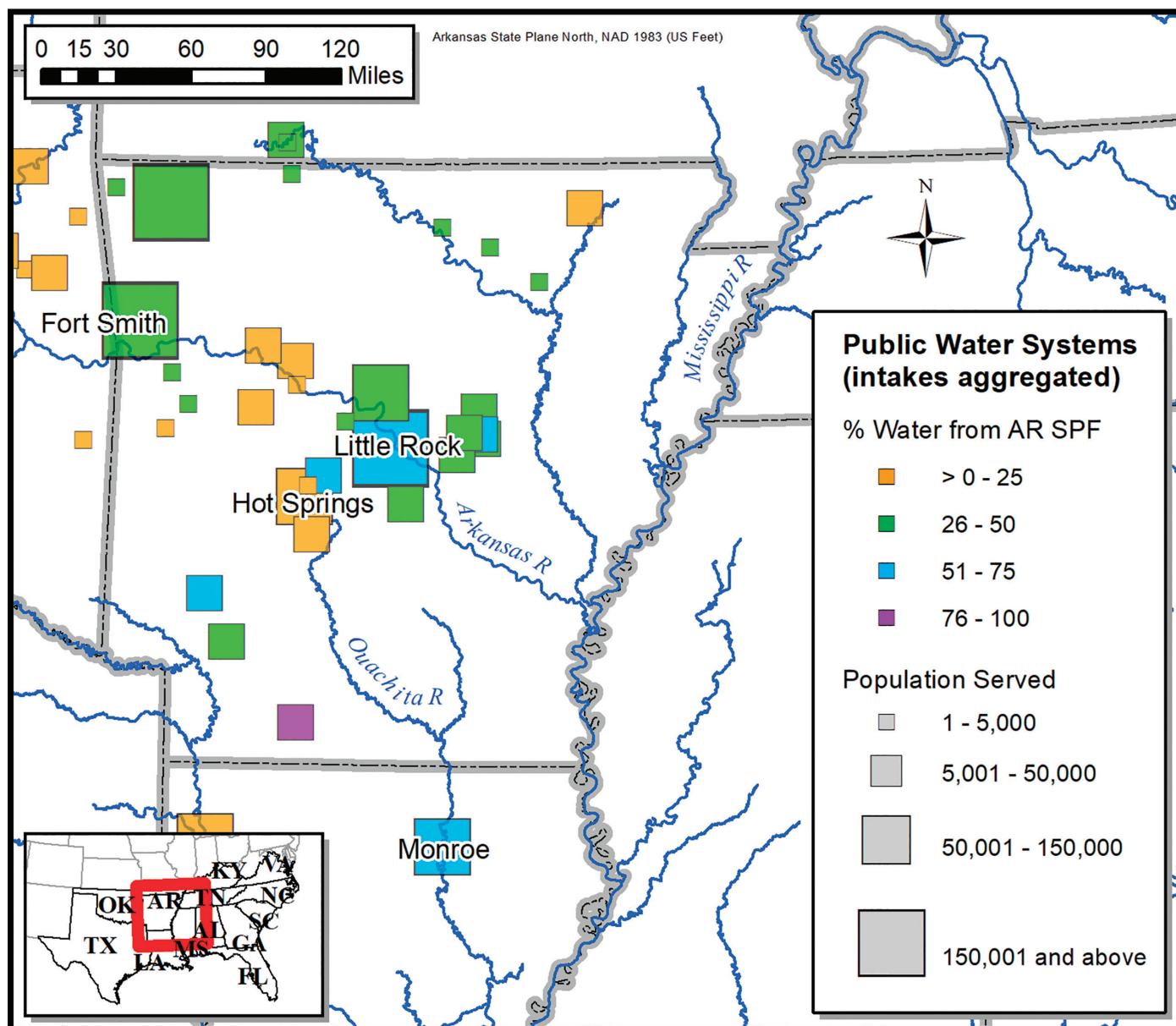


Figure A.AR.9—Multi-intake public water systems aggregated to single data point. Symbol color and size represent values for an entire municipal or corporate water supply system rather than values for individual surface drinking water intakes. Systems with no more than a single surface drinking water intake are not represented on this map.

Streams and Intrastate Public Water System Intakes in the Little Rock, AR, Area Receiving Water from Arkansas State and Private Forests

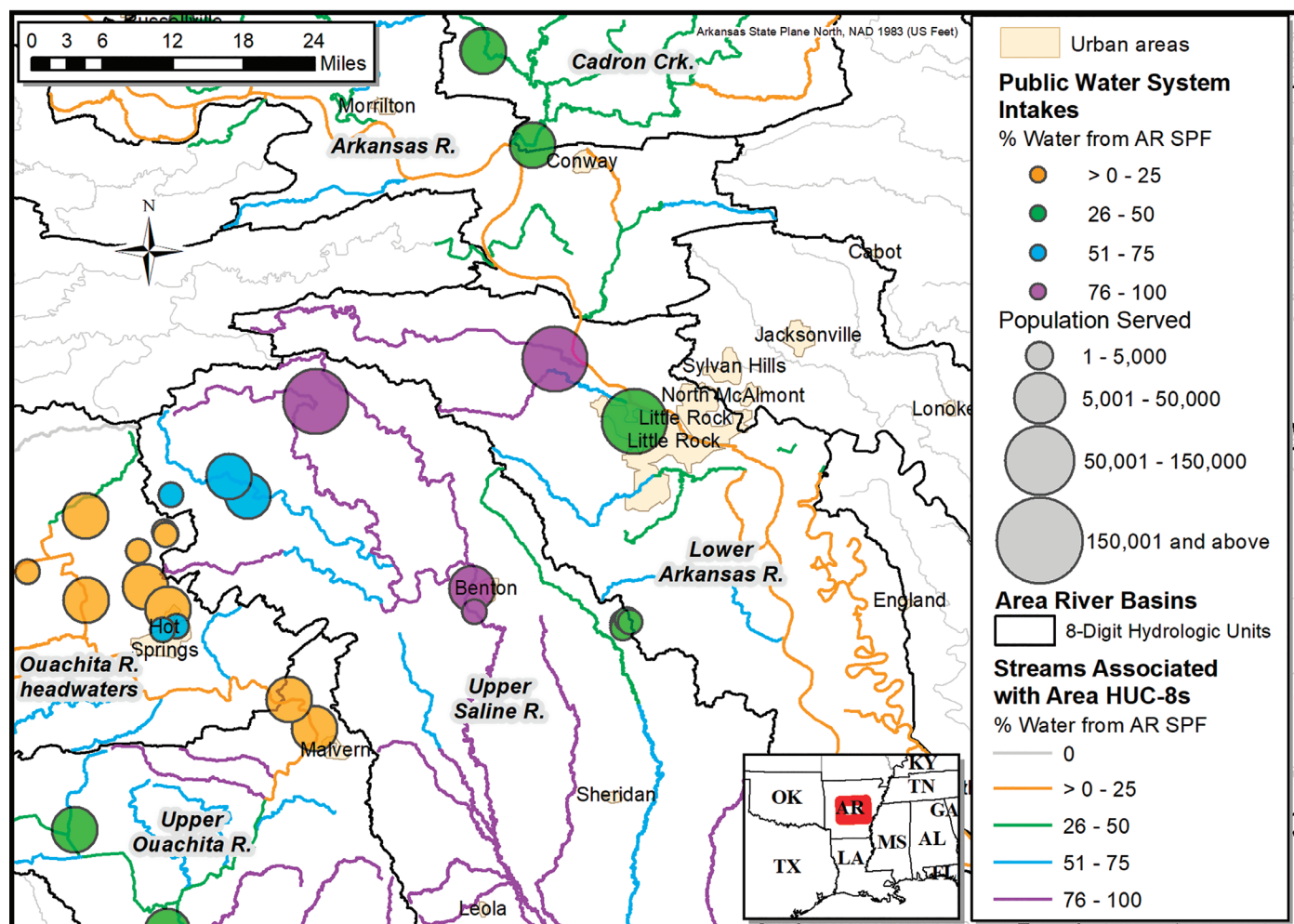


Figure A.AR.10—Local-scale detail showing percentage of water from Arkansas SPF for streams and surface drinking water intakes around Little Rock, AR.

Little Rock, AR, Case Study

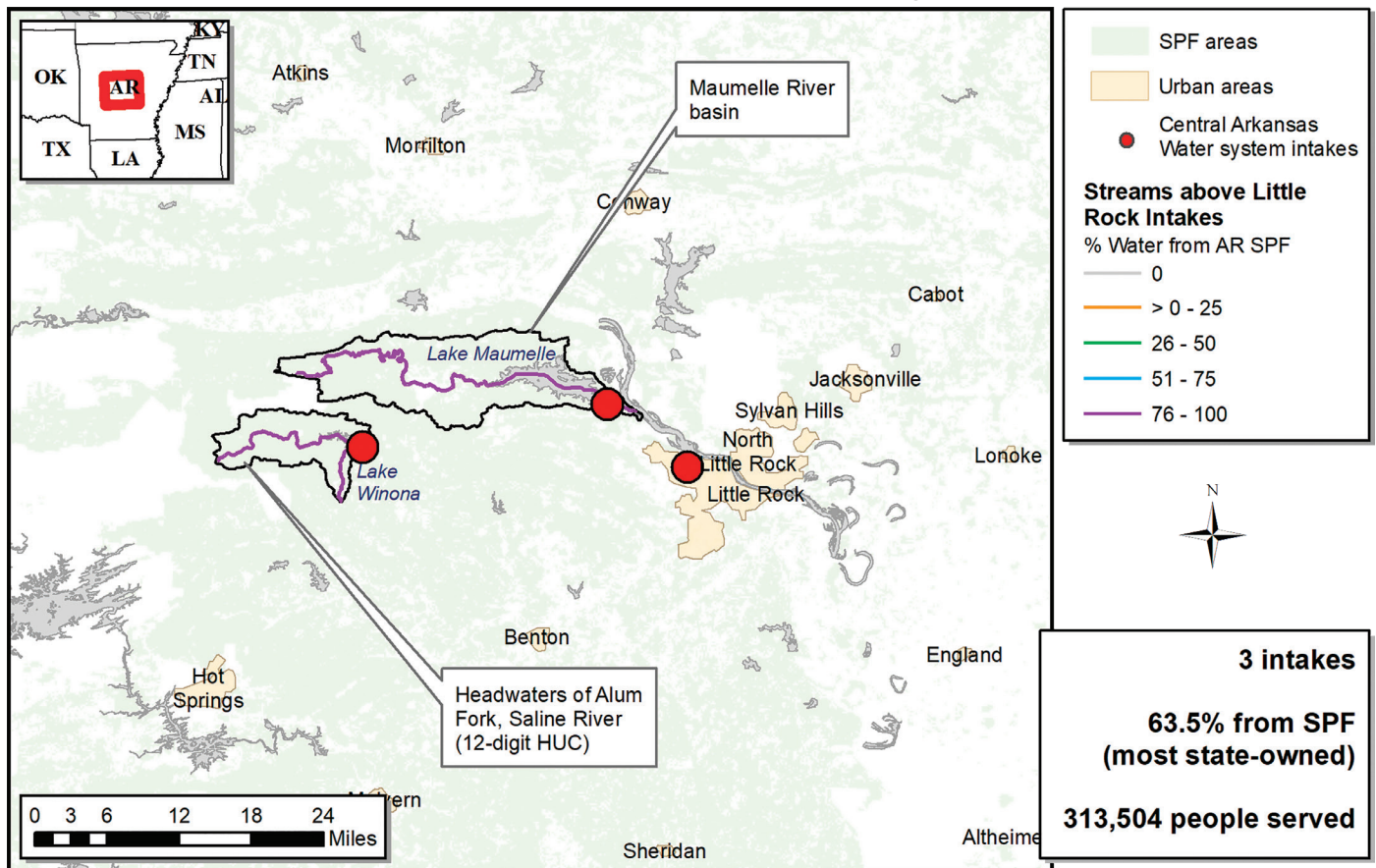


Figure A.AR.11—Case study of the Central Arkansas Water public water supply system, Little Rock, AR, illustrating SPF water in streams supplying the three surface drinking water intakes. When this water reaches the intakes, 63.5 percent of it comes from SPF lands. The largest ownership category in these specific SPF lands is State-owned.

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Table B.AR.1—Public water system intakes receiving water from State and private forest land in Arkansas

Intake ID	Public water system name	Intake number for system	State	Population served by intake	Total volume of surface water available to intake (million m ³ yr ⁻¹)	Total surface water from State and private forest lands (percent)
1	ALMA WATERWORKS		AR	5,745	31	12.8
2	AMITY WATERWORKS		AR	3,551	496	25.3
3	ARKADELPHIA WATERWORKS		AR	10,716	3834	30.5
4	ARKANSAS HEALTH CENTER		AR	1,000	931	77.3
5	ASHLEY MINERAL SPRING		AR	25	15 629	68.5
6	ATKINS WATER SYSTEM		AR	10,265	57	45.5
7	BATESVILLE WATER UTILITIES		AR	12,375	12 221	31
8	BEAVER WATER DISTRICT	1 of 2	AR	162,971	1140	49.8
9	BEAVER WATER DISTRICT	2 of 2	AR	162,971	1140	49.8
10	BEEBE WATERWORKS	1 of 4	AR	1,975	549	40.1
11	BEEBE WATERWORKS	2 of 4	AR	1,975	549	40.1
12	BEEBE WATERWORKS	3 of 4	AR	1,975	549	40.1
13	BEEBE WATERWORKS	4 of 4	AR	1,975	549	40.1
14	BENTON-WASHINGTON REGIONAL PWA		AR	77,102	1291	50.8
15	BENTON WATERWORKS		AR	30,681	931	77.3
16	BLACK BEAR SPRINGS		AR	25	62	24.1
17	BOONEVILLE DEVELOPMENT CENTER	1 of 2	AR	138	280	40.3
18	BOONEVILLE DEVELOPMENT CENTER	2 of 2	AR	138	280	40.3
19	BOONEVILLE WATERWORKS		AR	12,010	58	49.2
20	BUFFALO ISLAND REG WATER DIST		AR	3,429	139	1
21	CABOT WATERWORKS	1 of 6	AR	4,239	35	50.9
22	CABOT WATERWORKS	2 of 6	AR	4,239	58	39.8
23	CABOT WATERWORKS	3 of 6	AR	4,239	58	39.8
24	CABOT WATERWORKS	4 of 6	AR	4,239	58	39.8
25	CABOT WATERWORKS	5 of 6	AR	4,239	116	36.1
26	CABOT WATERWORKS	6 of 6	AR	4,239	116	36.1
27	CALICO ROCK WATERWORKS	1 of 5	AR	368	203	67.9
28	CALICO ROCK WATERWORKS	2 of 5	AR	368	10 923	27.5
29	CALICO ROCK WATERWORKS	3 of 5	AR	368	10 923	27.5
30	CALICO ROCK WATERWORKS	4 of 5	AR	368	10 923	27.5
31	CALICO ROCK WATERWORKS	5 of 5	AR	368	10 923	27.5
32	CAMDEN WATERWORKS		AR	14,825	8089	55
33	CARROLL-BOONE WATER DISTRICT		AR	24	1323	50.7
34	CENTRAL ARKANSAS WATER	1 of 3	AR	104,501	93	92.6
35	CENTRAL ARKANSAS WATER	2 of 3	AR	104,501	200	77.7
36	CENTRAL ARKANSAS WATER	3 of 3	AR	104,502	296	44.7
37	CHARLESTON WATERWORKS	1 of 2	AR	1,692	96	45.8
38	CHARLESTON WATERWORKS	2 of 2	AR	1,692	108	34.7
39	CITY CORPORATION	1 of 4	AR	7,279	454	22.5
40	CITY CORPORATION	2 of 4	AR	7,279	431	21.8
41	CITY CORPORATION	3 of 4	AR	7,279	431	21.8
42	CITY CORPORATION	4 of 4	AR	7,279	431	21.8
43	CLARKSVILLE WATERWORKS	1 of 2	AR	14,298	141	32
44	CLARKSVILLE WATERWORKS	2 of 2	AR	14,298	704	15.1
45	CLINTON WATERWORKS		AR	12,838	645	68
46	COMMUNITY WATER SYSTEM		AR	54,324	1558	70.9

(continued)

Table B.AR.1 (continued)—Public water system intakes receiving water from State and private forest land in Arkansas

Intake ID	Public water system name	Intake number for system	State	Population served by intake	Total volume of surface water available to intake (million m ³ yr ⁻¹)	Total surface water from State and private forest lands (percent)
47	CONWAY CO REGIONAL WATER DIST		AR	18,943	51	49.2
48	CONWAY WATER SYSTEM	1 of 2	AR	29,454	51	49.2
49	CONWAY WATER SYSTEM	2 of 2	AR	29,454	1117	41.1
50	CUSHMAN WATER SYSTEM		AR	1,385	222	56.8
51	DANVILLE WATERWORKS	1 of 2	AR	5,097	976	23.6
52	DANVILLE WATERWORKS	2 of 2	AR	5,097	42	11.6
53	DARDANELLE WATERWORKS	1 of 10	AR	423	69	20.8
54	DARDANELLE WATERWORKS	2 of 10	AR	423	69	20.8
55	DARDANELLE WATERWORKS	3 of 10	AR	423	69	20.8
56	DARDANELLE WATERWORKS	4 of 10	AR	423	69	20.8
57	DARDANELLE WATERWORKS	5 of 10	AR	423	69	20.8
58	DARDANELLE WATERWORKS	6 of 10	AR	423	69	20.8
59	DARDANELLE WATERWORKS	7 of 10	AR	423	56 611	3.1
60	DARDANELLE WATERWORKS	8 of 10	AR	423	56 611	3.1
61	DARDANELLE WATERWORKS	9 of 10	AR	423	56 611	3.1
62	DARDANELLE WATERWORKS	10 of 10	AR	423	56 611	3.1
63	DECATUR WATERWORKS	1 of 3	AR	1,001	123	41.7
64	DECATUR WATERWORKS	2 of 3	AR	1,001	123	41.7
65	DECATUR WATERWORKS	3 of 3	AR	1,001	123	41.7
66	DEQUEEN WATER WORK		AR	6,594	568	58.7
67	DIERKS WATER WORKS		AR	2,364	174	73.3
68	DOTA PUBLIC WATER AUTHORITY	1 of 2	AR	1,285	44	40.1
69	DOTA PUBLIC WATER AUTHORITY	2 of 2	AR	1,285	44	40.1
70	DOVER WATERWORKS		AR	1,587	359	13.6
71	EVENING SHADE WATERWORKS		AR	728	154	48.5
72	FORT SMITH WATER UTILITIES	1 of 2	AR	79,103	534	33.1
73	FORT SMITH WATER UTILITIES	2 of 2	AR	79,103	169	32.2
74	GILLHAM REGIONAL WATER DIST		AR	3,953	437	54.4
75	GLENWOOD WATER DEPARTMENT		AR	7,148	361	19.7
76	GRAND PRAIRIE BAYOU 2 PWA	1 of 6	AR	1,727	35	50.9
77	GRAND PRAIRIE BAYOU 2 PWA	2 of 6	AR	1,727	35	50.9
78	GRAND PRAIRIE BAYOU 2 PWA	3 of 6	AR	1,727	35	50.9
79	GRAND PRAIRIE BAYOU 2 PWA	4 of 6	AR	1,727	35	50.9
80	GRAND PRAIRIE BAYOU 2 PWA	5 of 6	AR	1,727	35	50.9
81	GRAND PRAIRIE BAYOU 2 PWA	6 of 6	AR	1,727	35	50.9
82	GREENWOOD WATERWORKS		AR	8,952	46	10.5
83	HEBER SPRINGS WATER SYSTEM		AR	22,376	1630	69.2
84	HOPE WATER LIGHT COMM	1 of 10	AR	1,150	46	32.9
85	HOPE WATER LIGHT COMM	2 of 10	AR	1,150	46	32.9
86	HOPE WATER LIGHT COMM	3 of 10	AR	1,150	46	32.9
87	HOPE WATER LIGHT COMM	4 of 10	AR	1,150	46	32.9
88	HOPE WATER LIGHT COMM	5 of 10	AR	1,150	46	32.9
89	HOPE WATER LIGHT COMM	6 of 10	AR	1,150	46	32.9
90	HOPE WATER LIGHT COMM	7 of 10	AR	1,150	46	32.9
91	HOPE WATER LIGHT COMM	8 of 10	AR	1,150	46	32.9

(continued)

Table B.AR.1 (continued)—Public water system intakes receiving water from State and private forest land in Arkansas

Intake ID	Public water system name	Intake number for system	State	Population served by intake	Total volume of surface water available to intake	Total surface water from State and private forest lands
					(million m ³ yr ⁻¹)	(percent)
92	HOPE WATER LIGHT COMM	9 of 10	AR	1,150	46	32.9
93	HOPE WATER LIGHT COMM	10 of 10	AR	1,150	5460	30.4
94	HOSANNA HEIGHTS WATER		AR	50	434	19.6
95	HOT SPR NAT PK HAPPY HOLLOW SP		AR	25	77	64.9
96	HOT SPR NAT PK WHITTINGTON SPR		AR	25	77	64.9
97	HOT SPRINGS UTILITIES	1 of 3	AR	30,674	2132	14.4
98	HOT SPRINGS UTILITIES	2 of 3	AR	30,674	2132	14.4
99	HOT SPRINGS UTILITIES	3 of 3	AR	30,674	1861	12.6
100	HOT SPRINGS VILLAGE WATERWORKS	1 of 2	AR	6,961	172	71.8
101	HOT SPRINGS VILLAGE WATERWORKS	2 of 2	AR	6,961	172	71.8
102	JACKSONVILLE WATERWORKS	1 of 10	AR	2,837	149	38.2
103	JACKSONVILLE WATERWORKS	2 of 10	AR	2,837	149	38.2
104	JACKSONVILLE WATERWORKS	3 of 10	AR	2,837	217	32.6
105	JACKSONVILLE WATERWORKS	4 of 10	AR	2,837	217	32.6
106	JACKSONVILLE WATERWORKS	5 of 10	AR	2,837	217	32.6
107	JACKSONVILLE WATERWORKS	6 of 10	AR	2,837	256	31.4
108	JACKSONVILLE WATERWORKS	7 of 10	AR	2,837	256	31.4
109	JACKSONVILLE WATERWORKS	8 of 10	AR	2,837	256	31.4
110	JACKSONVILLE WATERWORKS	9 of 10	AR	2,837	256	31.4
111	JACKSONVILLE WATERWORKS	10 of 10	AR	2,837	291	30.1
112	JAMES FORK REGIONAL WATER DISTRICT		AR	11,380	25	11.6
113	KIMZEY REGIONAL WATER DISTRICT	1 of 2	AR	5,825	731	34.7
114	KIMZEY REGIONAL WATER DISTRICT	2 of 2	AR	5,825	2579	21.9
115	LAWRENCE CO REG WATER DIST	1 of 7	AR	1,025	31	69.8
116	LAWRENCE CO REG WATER DIST	2 of 7	AR	1,025	62	53.4
117	LAWRENCE CO REG WATER DIST	3 of 7	AR	1,025	62	53.4
118	LAWRENCE CO REG WATER DIST	4 of 7	AR	1,025	399	33
119	LAWRENCE CO REG WATER DIST	5 of 7	AR	1,025	399	33
120	LAWRENCE CO REG WATER DIST	6 of 7	AR	1,025	1389	9.2
121	LAWRENCE CO REG WATER DIST	7 of 7	AR	1,025	5375	5.1
122	LITTLE RIVER CO RDA		AR	4,250	5320	29.5
123	MADISON CO REGIONAL WATER		AR	18,834	1291	50.8
124	MAGNOLIA WATERWORKS	1 of 5	AR	2,400	57	92.5
125	MAGNOLIA WATERWORKS	2 of 5	AR	2,400	57	92.5
126	MAGNOLIA WATERWORKS	3 of 5	AR	2,400	57	92.5
127	MAGNOLIA WATERWORKS	4 of 5	AR	2,400	38	79.7
128	MAGNOLIA WATERWORKS	5 of 5	AR	2,400	62	73.2
129	MALVERN WATERWORKS		AR	21,080	2579	21.9
130	MARION COUNTY REG WATER DIST		AR	9,207	6313	24
131	MC RAE WATERWORKS		AR	885	152	43.5
132	MENA WATER DEPARTMENT		AR	7,777	66	1.1
133	MOUNTAIN HOME WATERWORKS		AR	16,144	1434	4.6
134	MOUNTAIN VIEW WATERWORKS		AR	15,876	11 329	28.8
135	MT PLEASANT WATERWORKS	1 of 2	AR	677	77	43.2
136	MT PLEASANT WATERWORKS	2 of 2	AR	677	77	43.2

(continued)

Table B.AR.1 (continued)—Public water system intakes receiving water from State and private forest land in Arkansas

Intake ID	Public water system name	Intake number for system	State	Population served by intake	Total volume of surface water available to intake	Total surface water from State and private forest lands
					(million m ³ yr ⁻¹)	(percent)
137	MT VALLEY SPRING CO	1 of 5	AR	5	84	66.1
138	MT VALLEY SPRING CO	2 of 5	AR	5	1861	12.6
139	MT VALLEY SPRING CO	3 of 5	AR	5	1861	12.6
140	MT VALLEY SPRING CO	4 of 5	AR	5	1861	12.6
141	MT VALLEY SPRING CO	5 of 5	AR	5	1861	12.6
142	MULBERRY WATERWORKS		AR	1,603	29	43.7
143	MURFREESBORO WATERWORKS		AR	3,694	424	53.2
144	N GARLAND CO REG WATER DIST		AR	6,655	1778	10.7
145	NASHVILLE WATERWORKS	1 of 2	AR	6,214	672	62.5
146	NASHVILLE WATERWORKS	2 of 2	AR	6,214	60	22.5
147	NEAPWA		AR	8,898	2875	26.8
148	OLA WATERWORKS		AR	998	38	71.4
149	OMAHA WATERWORKS	1 of 2	AR	582	35	58.8
150	OMAHA WATERWORKS	2 of 2	AR	582	300	36.9
151	OZARK MTN REGIONAL PWA		AR	2	5566	23.9
152	OZARK WATERWORKS		AR	4,325	33	49.7
153	PANGBURN WATERWORKS		AR	2,786	1928	67.5
154	PARIS WATERWORKS		AR	8,824	61	3.1
155	PERRYVILLE WATERWORKS	1 of 2	AR	2,320	1512	25.6
156	PERRYVILLE WATERWORKS	2 of 2	AR	2,320	1512	25.6
157	POCAHONTAS WATERWORKS		AR	7,547	5375	5.1
158	PRAIRIE GROVE WATERWORKS		AR	5,419	33	41.2
159	PRESCOTT WATERWORKS		AR	3,300	2005	66
160	SARDIS WATER ASSOCIATION	1 of 6	AR	2,292	152	47
161	SARDIS WATER ASSOCIATION	2 of 6	AR	2,292	152	47
162	SARDIS WATER ASSOCIATION	3 of 6	AR	2,292	152	47
163	SARDIS WATER ASSOCIATION	4 of 6	AR	2,292	152	47
164	SARDIS WATER ASSOCIATION	5 of 6	AR	2,292	152	47
165	SARDIS WATER ASSOCIATION	6 of 6	AR	2,292	152	47
166	SEARCY WATERWORKS		AR	58,523	2428	63.3
167	SEVIER CO WATER ASSOCIATION		AR	4,678	240	85.7
168	SILLOAM SPRINGS WATERWORKS		AR	17,300	662	20.4
169	SOUTHSIDE PUB WATER AUTHORITY		AR	9,139	12 007	30.6
170	SUBIACO ACADEMY WATERWORKS		AR	683	323	26.6
171	SUNRISE POINT RESORT		AR	76	25	36.8
172	SW BOONE COUNTY WATER ASSOC		AR	4,085	23	30.7
173	TEXARKANA WATER UTILITIES		AR	30,015	5320	29.5
174	THE INN AT LOST BRIDGE		AR	25	1323	50.7
175	TRI-COUNTY WATER DISTBR DIST		AR	16,671	302	6.7
176	USCOE OC - BRADY MTN		AR	100	1631	9.4
177	USCOE OC - LITTLE FIR		AR	100	973	13.1
178	USFS BLANCHARD		AR	25	83	76.2
179	USFS GUNNER POOL		AR	25	83	76.2
180	USFS WHITE ROCK		AR	35	491	6.3
181	WAGON WHEEL RESTAURANT		AR	150	5764	24.5

(continued)

Table B.AR.1 (continued)—Public water system intakes receiving water from State and private forest land in Arkansas

Intake ID	Public water system name	Intake number for system	State	Population served by intake	Total volume of surface water available to intake	Total surface water from State and private forest lands
					(million m ³ yr ⁻¹)	(percent)
182	WALDRON WATERWORKS	1 of 2	AR	1,478	18	26.8
183	WALDRON WATERWORKS	2 of 2	AR	1,478	34	5.2
184	WALKER WATER ASSOCIATION		AR	1,182	23	94.8
185	WARD WATERWORKS	1 of 3	AR	3,879	58	39.8
186	WARD WATERWORKS	2 of 3	AR	3,879	58	39.8
187	WARD WATERWORKS	3 of 3	AR	3,879	241	39
188	WHITE RIVER CAMPGROUND		AR	250	6440	24.2
189	WILDERNESS VALLEY SPRING		AR	25	58	11.2
190	ALMATIS		LA	400	709,254	2.1
191	BELLE CHASSE WATER DISTRICT		LA	17,391	709,344	2.1
192	CITY OF BOSSIER CITY WATER SYSTEM	1 of 3	LA	22,698	29 627	7.9
193	CITY OF BOSSIER CITY WATER SYSTEM	2 of 3	LA	22,698	29 627	7.9
194	CITY OF BOSSIER CITY WATER SYSTEM	3 of 3	LA	22,698	29 627	7.9
195	DALCOUR WATERWORKS DISTRICT		LA	925	709,344	2.1
196	DOMINO SUGAR		LA	360	709,344	2.1
197	DOW USA, LA DIVISION		LA	3,960	709,151	2.1
198	E JEFFERSON WW DISTRICT 1		LA	243,782	709,344	2.1
199	GRAMERCY WATERWORKS		LA	3,613	709,254	2.1
200	GRETNA WATERWORKS		LA	17,802	709,344	2.1
201	LUTCHER WATERWORKS		LA	4,781	709,254	2.1
202	MARATHON PETROLEUM COMPANY LLC		LA	817	709,254	2.1
203	MONROE WATER SYSTEM	1 of 2	LA	26,286	21 619	60.2
204	MONROE WATER SYSTEM	2 of 2	LA	26,286	21 882	59.5
205	MORGAN CITY WATER SYSTEM		LA	6,352	86 239	19.5
206	NEW ORLEANS CARROLLTON WW	1 of 2	LA	145,522	709,344	2.1
207	NEW ORLEANS CARROLLTON WW	2 of 2	LA	145,522	709,344	2.1
208	NEW ORLEANS ALGIERS WATER WORKS	1 of 2	LA	26,393	709,344	2.1
209	NEW ORLEANS ALGIERS WATER WORKS	2 of 2	LA	26,393	709,344	2.1
210	NORANDA ALUMINA, LLC		LA	500	709,254	2.1
211	POINTE A LA HACHE WATER SYSTEM		LA	653	709,344	2.1
212	PORT SULPHUR WATER DISTRICT	1 of 2	LA	4,611	709,344	2.1
213	PORT SULPHUR WATER DISTRICT	2 of 2	LA	4,611	709,398	2.1
214	SHELL CHEMICAL COMPANY		LA	1,002	709,254	2.1
215	SHREVEPORT WATER SYSTEM		LA	201,000	3785	2.5
216	ST BERNARD PARISH WATERWORKS		LA	44,000	709,344	2.1
217	ST CHARLES WATER DISTRICT 1 EAST BANK		LA	29,517	709,344	2.1
218	ST CHARLES WATER DISTRICT 2 WEST BANK		LA	31,485	709,344	2.1
219	ST JAMES WATER DISTRICT 1		LA	6,120	709,254	2.1
220	ST JAMES WATER DISTRICT 2		LA	9,392	709,254	2.1
221	ST JOHN WATER DISTRICT 1		LA	12,577	709,254	2.1
222	ST JOHN WATER DISTRICT 2		LA	3,702	709,254	2.1
223	ST MARY PARISH WW DISTRICT 5		LA	3,750	83 004	20.3
224	VIVIAN WATER SYSTEM		LA	1,500	269	15.9
225	W JEFFERSON WW DISTRICT 2	1 of 2	LA	94,385	709,344	2.1

(continued)

Table B.AR.1 (continued)—Public water system intakes receiving water from State and private forest land in Arkansas

Intake ID	Public water system name	Intake number for system	State	Population served by intake	Total volume of surface water available to intake	Total surface water from State and private forest lands
					(million m ³ yr ⁻¹)	(percent)
226	W JEFFERSON WW DISTRICT 2	2 of 2	LA	94,385	709,344	2.1
227	WATER & SEWER COMMISSION 4 OF ST MARY		LA	4,674	83 055	20.3
228	BRANSON	1 of 5	MO	1,320	4349	28.1
229	BRANSON	2 of 5	MO	1,320	4349	28.1
230	BRANSON	3 of 5	MO	1,320	4349	28.1
231	BRANSON	4 of 5	MO	1,320	4349	28.1
232	BRANSON	5 of 5	MO	1,320	4635	26.4
233	COLLEGE OF THE OZARKS	1 of 3	MO	567	4349	28.1
234	COLLEGE OF THE OZARKS	2 of 3	MO	567	4349	28.1
235	COLLEGE OF THE OZARKS	3 of 3	MO	567	4349	28.1
236	ADAIR CO RWD #5		OK	675	323	18.8
237	AFTON PWA		OK	1,428	9827	1.5
238	BROKEN BOW PWA		OK	4,320	1156	16.6
239	BURNT CABIN RWD		OK	208	1601	13.4
240	CHEROKEE CO. RWD #1 (FT GIBSON)		OK	710	11 824	1.8
241	CHEROKEE CO. RWD #13		OK	1,640	1542	13.9
242	CHEROKEE CO. RWD #2 (KEYS)		OK	1,493	1542	13.9
243	CHEROKEE CO. RWD #9		OK	200	11 653	1.8
244	DELAWARE CO RWD # 3		OK	653	9827	1.5
245	EAST CENTRAL OKLAHOMA WATER AUTHORITY		OK	1,200	1601	13.4
246	FIN & FEATHER RESORT		OK	150	1601	13.4
247	FLINT RIDGE RURAL WATER DISTRICT	1 of 2	OK	750	874	17.6
248	FLINT RIDGE RURAL WATER DISTRICT	2 of 2	OK	750	874	17.6
249	FORT GIBSON		OK	4,700	11 844	1.8
250	GORE PWA		OK	1,688	1601	13.4
251	GRDA #1		OK	193	11 021	1.9
252	GROVE MUNICIPAL SERVICES AUTH.		OK	11,000	9827	1.5
253	HEAVENER UTILITY AUTH - PSG	1 of 2	OK	1,650	390	15.7
254	HEAVENER UTILITY AUTH - PSG	2 of 2	OK	1,650	720	10.5
255	JAY		OK	2,482	298	22.6
256	KETCHUM PWA		OK	2,462	9904	1.5
257	KETCHUM PWA DELAWARE CO SYSTEM		OK	1,780	9827	1.5
258	LANGLEY		OK	950	9904	1.5
259	LOCUST GROVE		OK	1,600	10 990	1.9
260	LRED (CHICKEN CREEK)		OK	272	1601	13.4
261	LRED (LAKEWOOD)		OK	200	1542	13.9
262	LRED (WILDCAT)		OK	200	1542	13.9
263	LRED (WOODHAVEN)		OK	200	1601	13.4
264	MAYES CO RWD # 3		OK	2,400	9904	1.5
265	MAYES CO RWD # 6		OK	3,750	10 485	1.4
266	MCCURTAIN CO. RWD #8 (MT. FORK WATER)		OK	5,685	1208	15.9
267	MONGOLDS WATER SYSTEM		OK	75	1601	13.4
268	MUSKOGEE		OK	38,310	11 824	1.8
269	OKLA ORDNANCE WORKS AUTHORITY		OK	4,000	11 021	1.9
270	PETTIT BAY RESORT		OK	30	1542	13.9

(continued)

Table B.AR.1 (continued)—Public water system intakes receiving water from State and private forest land in Arkansas

Intake ID	Public water system name	Intake number for system	State	Population served by intake	Total volume of surface water available to intake	Total surface water from State and private forest lands
					(million m ³ yr ⁻¹)	(percent)
271	PETTIT MOUNTAIN WATER		OK	90	1542	13.9
272	PVIA		OK	10	1234	6.1
273	SEQUOYAH CO. WATER ASSOCIATION		OK	13,460	1601	13.4
274	SEQUOYAH STATE PARK LODGE		OK	1,030	11 824	1.8
275	SPAVINAW		OK	700	341	19.8
276	SPINNAKER POINT ESTATES		OK	120	9904	1.5
277	STILWELL		OK	1,092	160	38
278	TAHLEQUAH PWA	1 of 2	OK	7,229	987	15.6
279	TAHLEQUAH PWA	2 of 2	OK	7,229	1542	13.9
280	TENKILLER AQUA PARK		OK	150	1601	13.4
281	TENKILLER UTILITY CO		OK	860	1601	13.4
282	TULSA		OK	235,500	341	19.8
283	VINITA UTILITIES AUTHORITY		OK	6,472	9904	1.5
284	WAGONER		OK	7,982	11 580	1.8
285	WAGONER CO. RWD #1		OK	397	11 824	1.8
286	WAGONER CO. RWD #2		OK	2,000	11 653	1.8
287	WAGONER CO. RWD #7 (NEW)		OK	1,110	11 824	1.8
288	WAGONER CO. RWD #9		OK	4,363	11 580	1.8