

Preliminary Estimates of Water Use in the United States, 1995

By Wayne B. Solley

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CONVERSION FACTORS

<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
thousand acre-feet per year	0.8921	million gallons per day
	0.001380	thousand cubic feet per second
	0.6195	thousand gallons per minute
	0.003377	million cubic meters per day
million gallons per day	1.121	thousand acre-feet per year

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ABSTRACT

Estimates indicate that water use in the United States decreased from 1980 to 1995, even though population continued to increase during the same period. The withdrawal of freshwater and saline water in the United States during 1995 is estimated to have been 400,000 million gallons per day (Mgal/d) for all offstream uses. Offstream uses include withdrawals of surface water and ground water for uses such as public supply, domestic, commercial, irrigation, livestock, industrial, mining, and thermoelectric power. The estimate of water use in 1995 is 2 percent less than the 1990 estimate and nearly 10 percent less than the estimate for 1980, the peak year of water use documented in the 5-year compilations that began in 1950.

Total freshwater withdrawals during 1995 are estimated to have been 340,000 Mgal/d, which is about the same as the 1990 estimate. Total surface-water withdrawal during 1995 is estimated to have been 323,000 Mgal/d, or 1 percent less than during 1990. About 59,700 Mgal/d of surface-water withdrawn was saline. Total ground-water withdrawal during 1995 is estimated to have been 77,400 Mgal/d, or about 4 percent less than during 1990. The use of reclaimed wastewater is estimated to have been about 1,760 Mgal/d during 1995, which is more than double the estimated 750 Mgal/d used during 1990.

INTRODUCTION

The purpose of this report is to present a summary of preliminary 1995 water-use estimates by State for the United States, Puerto Rico, the Virgin Islands, and the District of Columbia. The U.S. Geological Survey has compiled similar national estimates at 5-year intervals since 1950. Preliminary estimates of water withdrawn from surface- and ground-water sources for offstream water-use categories also are presented in this report. Quantitative assessments derived from this type of national compilation can be used to establish trends and evaluate the effectiveness of alternative water-management policies and conservation activities.

PRELIMINARY WATER-USE ESTIMATES

Water withdrawal in the United States during 1995 is estimated to have been 400,000 million gallons per day (Mgal/d) of freshwater and saline water for all offstream uses (table 1). Total freshwater withdrawals during 1995 are an estimated 340,000 Mgal/d, which is about the same as the 1990 estimate (339,000 Mgal/d, table 1, p. 9; Solley and others, 1993). Offstream uses include withdrawals of surface water and ground water for uses such as public supply, domestic,

commercial, irrigation, livestock, industrial, mining, and thermoelectric power. Total surface-water withdrawal during 1995 is estimated to have been 323,000 Mgal/d, or 1 percent less than during 1990 (327,000 Mgal/d, table 1, p. 9; Solley and others, 1993). About 59,700 Mgal/d of surface water withdrawn was saline. Total ground-water withdrawal during 1995 is estimated to have been 77,400 Mgal/d, or about 4 percent less than during 1990 (80,600 Mgal/d, table 1, p. 9; Solley and others, 1993). About 1,130 Mgal/d of ground water withdrawn was saline.

The 1995 estimate of total withdrawals is 2 percent less than the 1990 estimate (408,000 Mgal/d, table 1, p. 9; Solley and others, 1993), and nearly 10 percent less than the 1980 estimate, (440,000 Mgal/d, table 31, p. 65; Solley and others, 1993), which is the peak year of withdrawals of the 5-year compilations. These estimates indicate that water use in the United States decreased from 1980 to 1995, even though population continued to increase during the same period. Estimates of public-supply withdrawals during 1995 were 4 percent more than during 1990 (38,500 Mgal/d, table 9, p. 23; Solley and others, 1993), and estimates of self-supplied freshwater withdrawals during 1995 in comparison to 1990 are as follows: domestic, 1 percent less; commercial, 22 percent more; irrigation, 2 percent less; livestock, 22 percent more; industrial, 2 percent more; mining, 22 percent less; and thermoelectric power, 1 percent more. The use of reclaimed wastewater is estimated to have been about 1,760 Mgal/d during 1995, which is more than double the estimated 750 Mgal/d (table 1, p. 9; Solley and others, 1993) used during 1990.

Preliminary total offstream water-use estimates for withdrawals, consumptive use, conveyance losses, and reclaimed wastewater are listed in table 1. A summary of preliminary water withdrawals by water-use category is listed in table 2. Preliminary surface- and ground-water withdrawals by water-use category are listed separately in tables 3 and 4, respectively.

REFERENCE

Solley, W.B., Pierce, R.R., and Perlman, H.A., Estimated use of water in the United States in 1990, U.S. Geological Survey Circular 1081, 76 p.

Table 1. Preliminary total offshore water use by State, 1995

[Offstream uses include withdrawals of surface water and ground water for uses such as public supply, domestic, commercial, irrigation, livestock, industrial, mining, and thermoelectric power. Figures may not add to totals because of independent rounding. Mgal/d = million gallons per day; gal/d = gallons per day]

STATE	POPULATION, In thou- sands	PER CAPITA USE, fresh- water, in gal/d	WITHDRAWALS, in Mgal/d (includes irrigation conveyance losses)									RECLAIMED WASTE- WATER, In Mgal/d	CONVEY- ANCE LOSSES, in Mgal/d	CONSUMP- TIVE USE, fresh- water, in Mgal/d
			By source and type											
			Ground water			Surface water			Total					
			Fresh	Saline	Total	Fresh	Saline	Total	Fresh	Saline	Total			
Alabama	4,250	1,670	436	9.1	445	6,650	0	6,650	7,080	9.1	7,100	.1	0	532
Alaska	604	350	58	75	132	154	43	196	211	117	328	0	.1	25
Arizona	4,220	1,620	2,830	12	2,840	3,980	2.3	3,990	6,820	14	6,830	180	1,030	3,830
Arkansas	2,480	3,540	5,460	0	5,460	3,340	0	3,340	8,800	0	8,800	0	416	4,740
California	32,100	1,130	14,500	183	14,700	21,800	9,450	31,300	36,300	9,640	45,900	1,070	1,670	25,500
Colorado	3,750	3,690	2,260	17	2,270	11,600	0	11,600	13,800	17	13,800	11	3,770	5,230
Connecticut	3,270	389	166	0	166	1,110	3,180	4,290	1,280	3,180	4,450	0	0	97
Delaware	717	1,050	110	0	110	642	743	1,380	752	743	1,500	0	0	71
D.C.	554	18	.5	0	.5	8.7	0	8.7	10	0	10	0	0	15
Florida	14,200	509	4,340	4.6	4,340	2,880	11,000	13,800	7,210	11,000	18,200	236	32	2,780
Georgia	7,200	799	1,190	0	1,190	4,560	64	4,630	5,750	64	5,820	.6	0	1,180
Hawaii	1,190	853	515	16	531	497	906	1,400	1,010	922	1,930	6.2	98	542
Idaho	1,160	13,000	2,830	0	2,830	12,300	0	12,300	15,100	0	15,100	0	5,480	4,360
Illinois	11,800	1,680	928	25	953	19,000	0	19,000	19,900	25	19,900	2.0	0	857
Indiana	5,800	1,570	709	0	709	8,430	0	8,430	9,140	0	9,140	0	0	505
Iowa	2,840	1,070	528	0	528	2,510	0	2,510	3,030	0	3,030	0	0	290
Kansas	2,570	2,040	3,500	15	3,510	1,720	0	1,720	5,220	15	5,240	6.8	143	3,610
Kentucky	3,860	1,150	226	0	226	4,190	0	4,190	4,420	0	4,420	0	.5	318
Louisiana	4,340	2,270	1,350	0	1,350	8,500	0	8,500	9,850	0	9,850	0	166	1,930
Maine	1,240	178	80	0	80	141	105	246	221	105	326	0	0	48
Maryland	5,040	288	246	0	246	1,210	6,280	7,490	1,450	6,280	7,730	70	0	150
Massachusetts	6,070	189	351	0	351	795	4,370	5,160	1,150	4,370	5,510	0	0	180
Michigan	9,550	1,260	858	4.4	862	11,200	0	11,200	12,100	4.4	12,100	0	0	667
Minnesota	4,610	735	712	0	712	2,680	0	2,680	3,390	0	3,390	0	0	415
Mississippi	2,700	1,140	2,590	0	2,590	502	112	614	3,090	112	3,200	0	17	1,570
Missouri	5,320	1,320	891	0	891	6,140	0	6,140	7,030	0	7,030	11	0	692
Montana	870	10,200	204	13	217	8,640	0	8,640	8,850	13	8,860	0	4,410	1,960
Nebraska	1,640	6,440	6,200	4.7	6,200	4,350	0	4,350	10,500	4.7	10,500	2.0	906	7,020
Nevada	1,530	1,480	855	42	896	1,400	0	1,400	2,260	42	2,300	24	473	1,340
New Hampshire	1,150	388	81	0	81	364	877	1,240	446	877	1,320	0	0	35
New Jersey	7,950	269	580	0	580	1,560	3,980	5,530	2,140	3,980	6,110	1.1	0	210
New Mexico	1,690	2,080	1,700	0	1,700	1,800	0	1,800	3,510	0	3,510	0	628	1,980
New York	18,100	567	1,010	1.5	1,010	9,270	6,500	15,800	10,300	6,500	16,800	0	0	469
North Carolina	7,200	1,070	533	2.1	535	7,200	1,550	8,750	7,730	1,560	9,290	1.0	0	713
North Dakota	641	1,750	122	0	122	1,000	0	1,000	1,120	0	1,120	0	5.1	181
Ohio	11,200	944	905	0	905	9,620	0	9,620	10,500	0	10,500	0	.2	791
Oklahoma	3,280	543	959	259	1,220	822	0	822	1,780	259	2,040	0	4.9	716
Oregon	3,140	2,510	1,090	0	1,090	6,790	0	6,790	7,870	0	7,870	0	1,320	3,290
Pennsylvania	12,100	710	762	0	762	7,810	0	7,810	8,570	0	8,570	.4	0	489
Rhode Island	990	138	27	0	27	109	275	383	136	275	411	0	0	19
South Carolina	3,670	1,690	322	0	322	5,880	0	5,880	6,200	0	6,200	0	0	321
South Dakota	729	631	187	0	187	273	0	273	460	0	460	0	54	249
Tennessee	5,260	1,920	435	0	435	9,640	0	9,640	10,100	0	10,100	.5	0	233
Texas	18,700	1,300	8,370	411	8,780	16,000	4,860	20,800	24,300	5,280	29,600	109	540	10,500
Utah	1,950	2,200	776	14	790	3,530	143	3,670	4,300	157	4,460	14	612	2,200
Vermont	585	967	50	0	50	515	0	515	565	0	565	0	0	24
Virginia	6,620	826	358	0	358	5,110	2,800	7,900	5,470	2,800	8,260	0	2.9	218
Washington	5,430	1,620	1,760	0	1,760	7,060	38	7,100	8,820	38	8,860	0	1,090	3,080
West Virginia	1,830	2,530	146	.5	146	4,470	0	4,470	4,620	.5	4,620	0	0	352
Wisconsin	5,100	1,420	759	0	759	6,490	0	6,490	7,250	0	7,250	0	0	443
Wyoming	480	14,700	317	18	335	6,720	0	6,720	7,040	18	7,060	9.1	2,470	2,800
Puerto Rico	3,760	154	155	0	155	422	2,260	2,680	576	2,260	2,840	0	15	187
Virgin Islands	103	113	.5	.2	.7	11	190	201	12	190	202	0	0	1.9
Total	267,000	1,270	76,300	1,130	77,400	263,000	59,700	323,000	340,000	60,800	400,000	1,760	25,300	100,000

Table 2. Preliminary total water withdrawals by water-use category and State, 1995
 (Figures may not add to totals because of independent rounding. All values in million gallons per day)

STATE	PUBLIC SUPPLY	DOMESTIC	COMMER- CIAL	IRRIGATION	LIVESTOCK	INDUSTRIAL		MINING		THERMOELECTRIC		TOTAL	
	Fresh	Fresh	Fresh	Fresh	Fresh	Fresh	Saline	Fresh	Saline	Fresh	Saline	Fresh	Saline
Alabama	813	62	4.9	139	129	733	0	11	9.1	5,200	0	7,090	9.1
Alaska	81	8.6	11	.6	.5	55	1.8	24	116	31	0	211	117
Arizona	807	39	21	5,670	32	39	0	144	14	62	0	6,820	14
Arkansas	381	38	133	5,940	354	187	0	.1	0	1,770	0	8,800	0
California	5,620	120	384	28,900	459	538	36	76	151	205	9,450	36,300	9,640
Colorado	705	27	8.6	12,700	59	123	0	52	17	114	0	13,800	17
Connecticut	393	55	27	28	1.4	9.6	0	1.7	0	760	3,180	1,280	3,180
Delaware	89	12	2.8	48	4.1	61	3.2	0	0	534	740	752	743
D.C.	0	0	0	0	0	.5	0	0	0	9.7	0	10	0
Florida	2,070	297	50	3,470	56	345	8.0	296	0	636	11,000	7,210	11,000
Georgia	1,150	99	49	720	48	633	32	12	0	3,040	33	5,750	64
Hawaii	214	3.7	46	652	10	19	.9	.5	0	67	903	1,010	922
Idaho	189	85	306	13,000	1,460	47	0	29	0	0	0	15,100	0
Illinois	1,820	129	104	180	56	452	0	50	25	17,100	0	19,900	25
Indiana	669	115	93	116	46	2,270	0	137	0	5,690	0	9,140	0
Iowa	373	45	43	39	110	258	0	43	0	2,120	0	3,030	0
Kansas	370	24	5.2	3,380	109	38	15	24	0	1,270	0	5,220	15
Kentucky	496	25	22	12	46	347	0	28	0	3,440	0	4,420	0
Louisiana	638	39	11	769	325	2,580	0	1.8	0	5,460	0	9,850	0
Maine	100	35	11	27	1.9	11	0	5.0	0	30	105	221	105
Maryland	834	73	24	57	35	65	261	5.2	0	360	6,000	1,450	6,280
Massachusetts	725	34	12	82	10.0	85	0	3.2	0	186	4,370	1,150	4,370
Michigan	1,300	194	41	227	14	1,850	3.6	58	.8	8,370	0	12,100	4.4
Minnesota	485	88	66	156	62	140	0	298	0	2,090	0	3,390	0
Mississippi	344	33	18	1,740	396	290	0	3.7	0	263	112	3,090	112
Missouri	699	58	14	587	76	39	0	24	0	5,550	0	7,030	0
Montana	143	18	0	8,550	52	60	0	6.6	13	22	0	8,850	13
Nebraska	286	42	.3	7,550	142	30	0	141	4.7	2,350	0	10,500	4.7
Nevada	468	11	21	1,640	5.7	15	0	68	11	27	30	2,260	42
New Hampshire	98	32	30	6.3	.8	43	0	7.0	0	229	877	446	877
New Jersey	1,040	86	18	125	1.5	201	195	90	0	580	3,780	2,140	3,980
New Mexico	311	26	20	2,990	30	8.3	0	61	0	56	0	3,510	0
New York	3,000	144	200	30	34	259	0	45	16	6,570	6,490	10,300	6,500
North Carolina	767	172	7.6	239	297	369	0	16	0	5,860	1,550	7,730	1,560
North Dakota	73	12	.2	117	24	11	0	5.8	0	880	0	1,120	0
Ohio	1,420	140	88	27	27	557	0	93	0	8,190	0	10,500	0
Oklahoma	567	30	23	864	147	21	0	5.4	259	124	0	1,780	259
Oregon	515	68	756	6,120	21	378	0	1.2	0	9.0	0	7,870	0
Pennsylvania	1,550	145	30	16	55	601	0	252	0	5,920	0	8,570	0
Rhode Island	114	7.3	1.5	2.3	3.6	1.1	0	6.2	0	0	275	136	275
South Carolina	543	71	1.7	52	25	700	0	2.9	0	4,810	0	6,200	0
South Dakota	88	9.4	10	269	46	5.1	0	27	0	5.4	0	460	0
Tennessee	777	54	20	24	37	863	0	5.5	0	8,300	0	10,100	0
Texas	3,290	130	44	9,450	315	1,300	996	211	409	9,590	3,870	24,300	5,280
Utah	497	9.4	3.8	3,530	108	86	.1	16	150	48	6.7	4,300	157
Vermont	47	19	26	3.9	5.3	9.4	0	3.0	0	453	0	565	0
Virginia	786	125	41	30	36	516	67	39	0	3,890	2,730	5,470	2,800
Washington	1,180	125	24	6,470	34	611	38	3.5	0	376	0	8,820	38
West Virginia	176	41	46	0	18	1,320	0	11	.5	3,010	0	4,620	.5
Wisconsin	600	92	17	169	92	441	0	12	0	5,830	0	7,250	0
Wyoming	90	10	1.6	6,590	25	2.8	0	96	18	220	0	7,040	18
Puerto Rico	431	12	2.7	107	6.3	11	0	4.2	0	2.2	2,260	576	2,260
Virgin Islands	6.5	1.4	.8	0	.1	3.0	17	0	0	0	173	12	190
Total	40,200	3,350	2,920	134,000	5,480	19,600	1,670	2,560	1,220	132,000	57,900	340,000	60,800

Table 3. Preliminary surface-water withdrawals by water-use category and State, 1995
 [Figures may not add to totals because of independent rounding. All values in million gallons per day]

STATE	PUBLIC SUPPLY	DOMESTIC	COMMER- CIAL	IRRIGATION	LIVESTOCK	INDUSTRIAL		MINING		THERMOELECTRIC		TOTAL	
	Fresh	Fresh	Fresh	Fresh	Fresh	Fresh	Saline	Fresh	Saline	Fresh	Saline	Fresh	Saline
Alabama	580	0	0	88	107	699	0	7.0	0	5,190	0	6,850	0
Alaska	50	.3	.1	.5	.4	51	1.8	24	41	28	0	154	43
Arizona	398	0	0	3,540	2.4	0	0	25	2.3	20	0	3,980	2.3
Arkansas	246	0	132	1,010	110	80	0	.1	0	1,770	0	3,340	0
California	2,880	12	309	18,100	225	18	26	82	0	202	9,430	21,800	9,450
Colorado	605	0	.9	10,700	36	86	0	27	0	93	0	11,800	0
Connecticut	329	0	1.5	12	.1	6.2	0	1.4	0	780	3,180	1,110	3,180
Delaware	49	0	0	15	.4	43	3.2	0	0	534	740	642	743
D.C.	0	0	0	0	0	0	0	0	0	9.7	0	9.7	0
Florida	210	0	.2	1,800	5.9	106	8.0	148	0	615	11,000	2,880	11,000
Georgia	890	0	13	243	38	337	32	2.9	0	3,040	33	4,560	64
Hawaii	14	1.3	.4	479	2.6	0	0	.1	0	0	903	497	906
Idaho	9.9	0	297	10,500	1,440	7.9	0	27	0	0	0	12,300	0
Illinois	1,450	0	88	0	2.2	290	0	44	0	17,100	0	19,000	0
Indiana	350	0	48	55	18	2,160	0	126	0	5,680	0	8,430	0
Iowa	116	0	25	3.6	27	184	0	42	0	2,110	0	2,510	0
Kansas	209	0	.3	230	19	3.2	0	11	0	1,250	0	1,720	0
Kentucky	441	2.5	14	11	44	255	0	21	0	3,410	0	4,190	0
Louisiana	344	0	.7	294	181	2,230	0	1.4	0	5,450	0	8,500	0
Maine	75	0	1.7	24	.5	5.9	0	3.7	0	30	105	141	105
Maryland	751	0	4.9	21	23	45	261	4.3	0	358	6,000	1,210	6,280
Massachusetts	533	0	0	54	8.5	47	0	2.7	0	150	4,370	795	4,370
Michigan	952	.1	25	127	1.4	1,670	0	51	0	8,370	0	11,200	0
Minnesota	154	0	20	37	0	83	0	292	0	2,090	0	2,680	0
Mississippi	41	0	0	97	19	124	0	.2	0	220	112	502	112
Missouri	473	0	.5	33	57	18	0	15	0	5,540	0	6,140	0
Montana	89	1.0	0	6,480	35	29	0	3.8	0	22	0	8,640	0
Nebraska	53	0	0	1,770	33	4.4	0	134	0	2,350	0	4,350	0
Nevada	351	.2	14	1,000	4.7	7.5	0	3.5	0	21	0	1,400	0
New Hampshire	66	.5	18	6.1	.2	38	0	7.0	0	228	877	364	877
New Jersey	640	0	1.2	93	0	158	195	87	0	578	3,780	1,560	3,980
New Mexico	34	0	1.6	1,710	3.6	2.0	0	.7	0	46	0	1,800	0
New York	2,450	0	85	14	12	132	0	34	15	6,570	6,490	9,270	6,500
North Carolina	633	0	.3	181	207	308	0	4.3	0	5,880	1,550	7,200	1,550
North Dakota	43	0	.2	57	9.9	7.9	0	2.0	0	879	0	1,000	0
Ohio	923	2.8	41	16	19	399	0	46	0	8,170	0	9,820	0
Oklahoma	468	0	16	98	101	17	0	0	0	121	0	822	0
Oregon	392	7.2	752	5,240	18	365	0	0	0	9.0	0	6,790	0
Pennsylvania	1,300	0	14	7.7	7.1	516	0	41	0	5,920	0	7,810	0
Rhode Island	99	0	0	1.6	3.1	0	0	5.7	0	0	275	109	275
South Carolina	436	0	0	25	12	640	0	0	0	4,770	0	5,880	0
South Dakota	35	0	4.1	184	28	1.0	0	20	0	1.9	0	273	0
Tennessee	500	0	18	15	15	795	0	2.7	0	8,300	0	9,640	0
Texas	2,160	0	11	2,920	176	1,070	996	83	0	9,530	3,870	16,000	4,860
Utah	204	1.7	0	3,140	100	31	0	.9	143	48	0	3,530	143
Vermont	32	.4	16	3.5	1.3	7.4	0	2.8	0	452	0	515	0
Virginia	704	0	13	24	28	410	67	37	0	3,890	2,730	5,110	2,800
Washington	548	0	.4	5,650	11	478	38	.7	0	375	0	7,060	38
West Virginia	139	.8	9.2	0	3.6	1,300	0	7.5	0	3,010	0	4,470	0
Wisconsin	289	0	0	1.5	13	363	0	4.3	0	5,820	0	6,490	0
Wyoming	52	.5	.6	6,410	11	1.2	0	25	0	219	0	6,720	0
Puerto Rico	336	5.5	1.5	75	1.8	1.1	0	1.4	0	0	2,260	422	2,260
Virgin Islands	6.2	1.4	.6	0	0	2.9	17	0	0	0	173	11	190
Total	25,100	38	1,980	84,600	3,220	15,800	1,640	1,490	201	131,000	57,800	263,000	59,700

Table 4. Preliminary ground-water withdrawals by water-use category and State, 1995
 [Figures may not add to totals because of independent rounding. All values in million gallons per day]

STATE	PUBLIC SUPPLY	DOMESTIC	COMMER- CIAL	IRRIGATION	LIVESTOCK	INDUSTRIAL		MINING		THERMO- ELECTRIC	TOTAL	
	Fresh	Fresh	Fresh	Fresh	Fresh	Fresh	Saline	Fresh	Saline	Fresh	Fresh	Saline
Alabama	253	62	4.9	51	22	34	0	4.0	9.1	6.0	436	9.1
Alaska	30	8.3	11	.1	.1	3.8	0	0	75	4.2	58	75
Arizona	409	39	21	2,130	29	39	0	119	12	42	2,830	12
Arkansas	135	38	.4	4,930	244	108	0	0	0	5.2	5,460	0
California	2,740	108	75	10,800	234	522	10	14	151	3.6	14,500	183
Colorado	100	27	7.7	2,020	23	37	0	25	17	22	2,260	17
Connecticut	65	55	25	16	1.4	3.5	0	.3	0	.2	166	0
Delaware	40	12	2.8	34	3.8	17	0	0	0	.2	110	0
D.C.	0	0	0	0	0	.5	0	0	0	0	.5	0
Florida	1,860	297	50	1,670	50	240	0	148	0	21	4,340	4.6
Georgia	263	99	36	476	9.7	295	0	8.7	0	4.8	1,190	0
Hawaii	200	2.4	45	173	7.5	19	.9	.5	0	67	515	16
Idaho	180	65	9.8	2,520	17	39	0	1.2	0	0	2,830	0
Illinois	371	129	16	180	54	162	0	5.5	25	11	928	25
Indiana	319	115	45	61	28	119	0	10	0	11	709	0
Iowa	257	45	18	35	82	74	0	1.1	0	15	528	0
Kansas	161	24	4.9	3,150	91	35	15	13	0	14	3,500	15
Kentucky	55	23	8.0	.5	2.3	92	0	7.4	0	38	226	0
Louisiana	294	39	10	475	144	356	0	.4	0	31	1,350	0
Maine	25	35	9.8	2.6	1.4	4.6	0	1.3	0	.7	80	0
Maryland	83	73	19	37	13	19	0	.9	0	1.8	246	0
Massachusetts	192	34	12	28	1.5	38	0	.5	0	46	351	0
Michigan	348	194	16	101	13	177	3.6	7.1	.8	3.0	858	4.4
Minnesota	331	88	46	120	62	57	0	6.3	0	1.9	712	0
Mississippi	302	33	18	1,640	377	166	0	3.5	0	42	2,590	0
Missouri	226	58	13	535	20	21	0	8.6	0	9.5	891	0
Montana	55	17	0	82	16	31	0	2.8	13	0	204	13
Nebraska	232	42	.3	5,780	108	26	0	6.1	4.7	4.4	6,200	4.7
Nevada	117	11	7.1	641	1.0	7.4	0	65	11	6.3	855	42
New Hampshire	31	31	12	.3	.6	5.6	0	0	0	.8	81	0
New Jersey	397	86	17	32	1.5	43	0	2.4	0	1.9	580	0
New Mexico	277	26	18	1,280	26	6.3	0	61	0	9.3	1,700	0
New York	552	144	136	16	22	127	0	11	1.5	0	1,010	1.5
North Carolina	134	172	7.3	57	89	61	0	12	0	.1	533	2.1
North Dakota	30	12	.1	59	14	3.6	0	3.8	0	.3	122	0
Ohio	497	138	28	12	7.6	158	0	47	0	19	905	0
Oklahoma	99	30	6.6	766	45	3.8	0	5.4	259	3.5	959	259
Oregon	124	61	4.4	880	3.1	13	0	1.2	0	0	1,090	0
Pennsylvania	243	145	16	8.2	48	85	0	211	0	6.2	762	0
Rhode Island	16	7.3	1.5	.7	.5	1.1	0	.5	0	0	27	0
South Carolina	107	71	1.7	27	12	60	0	2.9	0	39	322	0
South Dakota	53	9.3	6.1	85	18	4.1	0	7.8	0	3.4	187	0
Tennessee	277	54	2.0	9.9	21	68	0	2.8	0	0	435	0
Texas	1,130	130	33	6,530	139	226	.5	128	409	59	8,370	411
Utah	293	7.7	3.8	393	7.6	55	.1	16	7.3	0	776	14
Vermont	15	18	9.6	.4	4.0	1.9	0	.3	0	.4	50	0
Virginia	82	125	28	5.6	7.8	107	0	2.6	0	.4	358	0
Washington	631	125	24	819	24	133	0	2.8	0	.5	1,760	0
West Virginia	38	40	36	0	15	13	0	3.7	.5	.5	146	.5
Wisconsin	311	92	17	167	79	78	0	7.9	0	5.8	759	0
Wyoming	38	9.7	.9	181	13	1.6	0	71	18	1.0	317	18
Puerto Rico	95	6.4	1.2	33	4.5	10	0	2.8	0	2.2	155	0
Virgin Islands3	0	.1	0	.1	.1	.2	0	0	0	.5	.2
Total	15,100	3,310	940	49,000	2,260	4,010	30	1,060	1,010	565	76,300	1,130