

Geography and Environment

This section presents a variety of information on the physical environment of the United States, starting with basic area measurement data and ending with climatic data for selected weather stations around the country. The subjects covered between those points are mostly concerned with environmental trends, but include such related subjects as land use, water consumption, air pollutant emissions, toxic releases, oil spills, hazardous waste sites, threatened and endangered wildlife, and expenditures for pollution abatement and control.

The information in this section is selected from a wide range of Federal agencies that compile the data for various administrative or regulatory purposes, such as the Environmental Protection Agency, U.S. Geological Survey, National Oceanic and Atmospheric Administration, Soil Conservation Service, and General Services Administration. Other agencies include the Bureau of the Census, which presents nationwide area measurement information and the Bureau of Economic Analysis, which compiles data on pollution abatement and control expenditures.

Area—For the 1990 census, area measurements were calculated by computer based on the information contained in a single, consistent geographic data base, the TIGER™ File (described below), rather than relying on historical, local, and manually calculated information. This especially affects water area figures reported in 1990; these had only included those bodies of water of least 40 acres and those streams with a width of at least one-eighth of a statute mile from 1940 to 1980. Water area figures for 1990 increased because the data reflected all water recorded in the Census Bureau's geographic data base including coastal, Great Lakes, and territorial waters.

Geography—The U.S. Geological Survey conducts investigations, surveys, and research in the fields of geography, geology, topography, geographic information systems, mineralogy, hydrology, and geothermal energy resources as

In Brief

Municipal solid waste generated grew only 5.5% between 1990 and 1995 while waste recovery and recycling grew almost 66%. Twenty-seven percent of waste is now recovered compared with 17% in 1990.

Toxic chemical releases into the environment declined for the fourth consecutive year since 1990 to just under 2 billion pounds in 1994, a 29% drop since 1990.

The environmental industry employed just over 1.3 million workers in 1996, an increase of 11% since 1990.

well as natural hazards. In cooperation with State and local agencies, the U.S. Geological Survey prepares and publishes topographic, land use/land cover, geologic, and hydrologic maps and digital data compilations. The U.S. Geological Survey provides United States cartographic data through the Earth Sciences Information Center, water resources data through the National Water Data Exchange (NAWDEX), and a variety of research and Open-File reports which are announced monthly in New Publications of the U.S. Geological Survey. In a joint project with the Census Bureau, the U.S. Geological Survey provided the basic information on geographic features for input into a national geographic and cartographic data base prepared by the Census Bureau, called the TIGER™ (Topologically Integrated Geographic Encoding and Referencing) System.

Maps prepared by the Bureau of the Census show the names and boundaries of various types of legal and statistical entities, such as places, county subdivisions, and larger areas and are available as of the specific decennial census. An inventory is available for the 1990 census, both on computer tape and CD-ROM as the 1990 TIGER/GICS (Geographic Identification Code Scheme)

and for the 1992 economic censuses in the *Geographic Reference Manual* (EC92-R-1). The Census Bureau maintains a current inventory of governmental units and their legal boundaries through its Boundary and Annexation Survey. The TIGER™ System contains information on the legal and statistical entities used by the Census Bureau, as well as on both manmade and natural features, such as streets, roads, railroads, rivers, and lakes; information is available to the public in the form of machine-readable TIGER™ extract files.

An inventory of the Nation's land resources by type of use/cover was conducted by the Soil Conservation Service in 1982, 1987, and 1992. The results, published in the *1992 National Inventory of Land Resources*, cover all non-Federal land in Puerto Rico, the Virgin Islands, and the United States except Alaska.

Environment—The principal Federal agency responsible for pollution abatement and control activities is the Environmental Protection Agency (EPA). It is responsible for establishing and monitoring national air quality standards, water quality activities, solid and hazardous waste disposal, and control of toxic substances.

National Ambient Air Quality Standards (NAAQS) for suspended particulate matter, sulfur dioxide, photochemical oxidants, carbon monoxide, and nitrogen dioxide were originally set by the EPA in April 1971. Every 5 years, each of the NAAQS is reviewed and revised if new health or welfare data indicates that a change is necessary. The standard for photochemical oxidants, now called ozone, was revised in February 1979. Also, a new NAAQS for lead was promulgated in October 1978 and for suspended particulate matter in 1987. Table 378 gives some of the health-related standards for the six air pollutants having NAAQS. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. In 1995, there were 1,737 non-Federal sampling stations for particulates, 695 for sulfur dioxide, 542 for carbon monoxide, 972 for ozone, 406 for nitrogen dioxide, and 448 for lead. Data from these State networks are periodically submitted to EPA's National

Aerometric Information Retrieval System (AIRS) for summarization in annual reports on the nationwide status and trends in air quality; for details, see *National Air Quality and Emissions Trends Report, 1995*.

Pollution abatement and control expenditures—Data on expenditures for pollution abatement and control were compiled and published by the Bureau of Economic Analysis (BEA) and the U.S. Bureau of the Census through 1994 data. The BEA conducts surveys on national expenditures for pollution abatement and control and presents the data in its *Survey of Current Business*. The Bureau of the Census still collects data on expenditures for pollution control activities for State and local governments and industry. Data on government expenditures are reported in an annual series of publications, *Government Finances*, which covers expenditures on sewage and sanitation outlays. Industry data were reported annually in *Current Industrial Reports* series MA-200 until the final report in 1996. The Council on Environmental Quality published some expenditure data in *Environmental Quality* along with other environmental indicator.

Climate—NOAA, through the National Weather Service and the National Environmental Satellite, Data and Information Service, is responsible for data on climate. NOAA maintains about 11,600 weather stations, of which over 3,000 produce autographic precipitation records, about 600 take hourly readings of a series of weather elements, and the remainder record data once a day. These data are reported monthly in the *Climatological Data* (published by State), and monthly and annually in the *Local Climatological Data* (published by location for major cities).

The normal climatological temperatures, precipitation, and degree days listed in this publication are derived for comparative purposes and are averages for the 30-year period, 1961-90. For stations that did not have continuous records for the entire 30 years from the same instrument site, the normals have been adjusted to provide representative values for the current location. The information in all other tables is based on data from the beginning of the record at that location through 1995, except as noted.

No. 367. Land and Water Area of States and Other Entities: 1990

[One square mile=2.59 square kilometers. Excludes territorial water, which was included in the 1993 edition of the *Statistical Abstract*]

REGION, DIVISION, STATE, AND OTHER AREA	TOTAL AREA		LAND AREA		WATER AREA				
	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Total		Inland sq. mi.	Coastal sq. mi.	Great Lakes sq. mi.
					Sq. mi.	Sq. km.			
United States	3,717,796	9,629,091	3,536,278	9,158,960	181,518	470,313	78,937	42,528	60,052
 Northeast	176,917	458,215	162,274	420,289	14,643	37,926	6,444	3,549	4,650
 New England	68,655	177,815	62,812	162,682	5,843	15,133	3,695	2,148	-
Maine	33,741	87,388	30,865	79,939	2,876	7,449	2,263	613	-
New Hampshire	9,283	24,044	8,969	23,231	314	813	314	-	-
Vermont	9,615	24,903	9,249	23,956	366	947	366	-	-
Massachusetts	9,241	23,934	7,838	20,300	1,403	3,634	424	979	-
Rhode Island	1,231	3,189	1,045	2,707	186	482	168	18	-
Connecticut	5,544	14,358	4,845	12,550	698	1,808	161	538	-
 Middle Atlantic	108,263	280,400	99,462	257,607	8,800	22,793	2,749	1,401	4,650
New York	53,989	139,833	47,224	122,310	6,766	17,523	1,988	976	3,901
New Jersey	8,215	21,277	7,419	19,215	796	2,062	371	425	-
Pennsylvania	46,058	119,291	44,820	116,083	1,239	3,208	490	-	749
 Midwest	821,762	2,128,364	751,519	1,946,435	70,243	181,929	14,841	-	55,402
 East North Central	301,369	780,547	243,539	630,766	57,830	149,781	4,974	-	52,856
Ohio	44,828	116,103	40,953	106,067	3,875	10,036	376	-	3,499
Indiana	36,420	94,328	35,870	92,904	550	1,424	315	-	235
Illinois	57,918	150,007	55,593	143,987	2,325	6,021	750	-	1,575
Michigan	96,705	250,465	56,809	147,136	39,895	103,329	1,704	-	38,192
Wisconsin	65,499	169,643	54,314	140,672	11,186	28,971	1,831	-	9,355
 West North Central	520,393	1,347,817	507,980	1,315,669	12,412	32,148	9,866	-	2,546
Minnesota	86,943	225,182	79,617	206,207	7,326	18,975	4,780	-	2,546
Iowa	56,276	145,754	55,875	144,716	401	1,038	401	-	-
Missouri	69,709	180,546	68,898	178,446	811	2,100	811	-	-
North Dakota	70,704	183,123	68,994	178,695	1,710	4,428	1,710	-	-
South Dakota	77,121	199,744	75,896	196,571	1,225	3,174	1,225	-	-
Nebraska	77,358	200,358	76,878	199,113	481	1,245	481	-	-
Kansas	82,282	213,110	81,823	211,922	459	1,189	459	-	-
 South	907,178	2,349,591	871,010	2,255,916	36,168	93,674	27,355	8,813	-
 South Atlantic	284,085	735,780	266,160	689,355	17,925	46,426	12,557	5,368	-
Delaware	2,396	6,206	1,955	5,062	442	1,144	71	371	-
Maryland	12,297	31,849	9,775	25,316	2,522	6,533	680	1,842	-
District of Columbia	68	177	61	159	7	18	7	-	-
Virginia	42,326	109,625	39,598	102,558	2,729	7,067	1,000	1,728	-
West Virginia	24,231	62,759	24,087	62,384	145	375	145	-	-
North Carolina	52,672	136,421	48,718	126,180	3,954	10,241	3,954	-	-
South Carolina	31,189	80,779	30,111	77,988	1,078	2,791	1,006	72	-
Georgia	58,977	152,750	57,919	150,010	1,058	2,740	1,011	47	-
Florida	59,928	155,214	53,937	139,697	5,991	15,517	4,683	1,308	-
 East South Central	183,800	474,176	178,616	462,615	4,464	11,561	3,355	1,109	-
Kentucky	40,411	104,665	39,732	102,907	679	1,759	679	-	-
Tennessee	42,146	109,158	41,219	106,758	926	2,400	926	-	-
Alabama	52,237	135,293	50,750	131,443	1,486	3,850	968	519	-
Mississippi	48,286	125,060	46,914	121,506	1,372	3,553	781	591	-
 West South Central	440,013	1,139,634	426,234	1,103,947	13,779	35,687	11,444	2,335	-
Arkansas	53,182	137,742	52,075	134,875	1,107	2,867	1,107	-	-
Louisiana	49,651	128,595	43,566	112,836	6,085	15,759	4,153	1,931	-
Oklahoma	69,903	181,048	68,679	177,877	1,224	3,171	1,224	-	-
Texas	267,277	692,248	261,914	678,358	5,363	13,890	4,959	404	-
West	1,811,939	4,692,921	1,751,475	4,536,320	60,464	156,601	30,297	30,167	-
 Mountain	863,613	2,236,757	856,121	2,217,354	7,492	19,404	7,492	-	-
Montana	147,046	380,849	145,556	376,991	1,490	3,859	1,490	-	-
Idaho	83,574	216,456	82,751	214,325	823	2,131	823	-	-
Wyoming	97,818	253,349	97,105	251,501	714	1,848	714	-	-
Colorado	104,100	269,618	103,729	268,658	371	960	371	-	-
New Mexico	121,598	314,939	121,364	314,334	234	605	234	-	-
Arizona	114,006	295,276	113,642	294,333	364	943	364	-	-
Utah	84,904	219,902	82,168	212,815	2,736	7,086	2,736	-	-
Nevada	110,567	286,367	109,806	284,396	761	1,971	761	-	-
 Pacific	948,326	2,456,164	895,354	2,318,967	52,972	137,197	22,805	30,167	-
Washington	70,637	182,949	66,581	172,445	4,055	10,503	1,545	2,511	-
Oregon	97,132	251,571	96,002	248,646	1,129	2,925	1,050	80	-
California	158,869	411,470	155,973	403,971	2,895	7,499	2,674	222	-
Alaska	615,230	1,593,444	570,374	1,477,268	44,856	116,177	17,501	27,355	-
Hawaii	6,459	16,729	6,423	16,636	36	93	36	-	-
Other areas:									
Puerto Rico	3,508	9,085	3,427	8,875	81	210	65	16	-
American Samoa	90	233	77	200	13	33	7	6	-
Guam	217	561	210	543	7	18	7	-	-
No. Mariana Islands	189	490	179	464	10	26	2	8	-
Palau	241	624	177	458	64	165	40	24	-
Virgin Islands of the U.S.	171	443	134	346	37	96	17	20	-

- Represents or rounds to zero.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing*, series CPH-2; and unpublished data from the TIGER/Geographic Information Control System (TIGER/GICS) computer file. Corrections have been made subsequent to the 1990 Census reports.

No. 368. Area and Acquisition of the Federal Public Domain: 1781 to 1994

[In millions of acres. Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 367 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978]

YEAR	Land area, total ¹	YEAR	LAND AREA ¹			YEAR AND ACQUISITION	ACREAGE		
			Total	Public do-main	Ac-quired		Total	Land	In-land water
1802	200.0	1980	719.5	648.0	71.5	Aggregate	1,840.7	1,807.5	33.2
1850	1,200.0	1981	730.8	668.7	62.2				
1880	900.0	1982	729.8	670.0	59.8				
1912	600.0	1983	732.0	672.4	59.6				
1946	413.0	1984	726.6	658.9	67.7				
1950	412.0	1985	726.7	656.2	70.5				
1955	407.9	1986	727.1	662.7	64.4				
1959	768.6	1987	724.3	661.0	63.3				
1960	771.5	1988	688.2	623.2	65.0				
1965	765.8	1989	662.2	597.9	64.3				
1970	761.3	1990	649.8	587.4	62.4				
1975	760.4	1991	649.3	587.6	61.8				
1976	762.2	1992	651.1	590.9	60.2				
1977	741.5	1993	650.3	590.5	59.9				
1978	775.2	1994	657.3	573.2	84.1				
1979	744.1								

Z Less than 50,000. ¹ Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1959, excludes Alaska, and 1960, Hawaii. Source: Beginning 1955, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual. ² Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession. ³ Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of the Louisiana Purchase; others, as acquired from Great Britain. Source: Except as noted, U.S. Dept. of the Interior. Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S., 1922*.

No. 369. Total and Federally Owned Land, 1960 to 1994, and by State, 1994

[As of end of fiscal year; see text, section 9. Total land area figures are not comparable with those in table 367]

REGION, DIVISION, AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹		REGION, DIVISION, AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹	
			Acres (1,000)	Per cent				Acres (1,000)	Per cent
1960	2,273,407	1,501,894	771,512	33.9	South	561,238	536,565	24,674	4.4
1965	2,271,343	1,505,546	765,797	33.7	S.A.	171,325	158,798	12,527	7.3
1970	2,271,343	1,510,042	761,301	33.5	DE	1,266	1,024	242	19.1
1975	2,271,343	1,510,929	760,414	33.5	MD	6,319	5,789	530	8.4
1980	2,271,343	1,511,822	719,522	31.7	DC	39	30	9	23.4
1985	2,271,343	1,544,658	726,686	32.0	VA	25,496	22,478	3,018	11.8
1990	2,271,343	1,621,541	649,802	28.6	WV	15,411	14,318	1,092	7.1
1993	2,271,343	1,621,021	650,322	28.6	NC	31,403	28,955	2,448	7.8
					SC	19,374	18,583	791	4.1
1994, total	2,271,343	1,609,446	661,898	29.1	GA	37,295	35,618	1,677	4.5
Northeast	104,700	101,156	3,543	3.4	FL	34,721	32,002	2,719	7.8
N.E.	40,401	38,644	1,756	4.3	E.S.C.	115,141	110,064	5,077	4.4
ME	19,848	19,518	329	1.7	KY	25,512	24,439	1,074	4.2
NH	5,769	5,006	763	13.2	TN	26,728	25,164	1,564	5.9
VT	5,937	5,504	432	7.3	AL	32,678	31,597	1,081	3.3
MA	5,035	4,833	202	4.0	MS	30,223	28,865	1,358	4.5
RI	677	659	18	2.6	W.S.C.	274,772	267,703	7,070	2.6
CT	3,135	3,123	12	0.4	AR	33,599	30,667	2,933	8.7
M.A.	64,299	62,512	1,787	2.8	LA	28,868	27,857	1,011	3.5
NY	30,681	30,258	423	1.4	OK	44,088	43,318	770	1.7
NJ	4,813	4,175	638	13.3	TX	168,218	165,861	2,356	1.4
PA.	28,804	28,079	725	2.5	West	1,122,535	513,848	608,687	54.2
Midwest	482,870	457,877	24,993	5.2	Mt	548,449	278,597	269,851	49.2
E.N.C.	156,679	147,138	9,541	6.1	MT	93,271	67,312	25,959	27.8
OH	26,222	25,872	350	1.3	ID	52,933	19,987	32,946	62.2
IN	23,158	22,688	470	2.0	WY	62,343	31,319	31,024	49.8
IL	35,795	34,717	1,078	3.0	CO	66,486	42,346	24,140	36.3
MI	36,492	31,779	4,713	12.9	NM	77,766	51,217	26,550	34.1
WI	35,011	32,082	2,929	8.4	AZ	72,688	40,200	32,488	44.7
W.N.C.	326,191	310,739	15,453	4.7	UT	52,697	18,859	33,838	64.2
MN	51,206	43,902	7,304	14.3	NV ²	70,264	7,359	62,905	89.5
IA	35,860	35,443	418	1.2	Pac	574,086	235,251	338,836	59.0
MO	44,248	42,140	2,108	4.8	WA	42,694	31,237	11,456	26.8
ND	44,452	42,604	1,849	4.2	OR	61,599	24,660	36,939	60.0
SD	48,882	46,184	2,698	5.5	CA	100,207	53,250	46,956	46.9
NE	49,032	48,331	700	1.4	AK	365,482	122,686	242,796	66.4
KS	52,511	52,134	377	0.7	HI	4,106	3,417	688	16.8

¹ Excludes trust properties. ² Data revised after publication of the report. Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

No. 370. Land Cover/Use, by State: 1992

[In thousands of acres. Excludes Alaska and District of Columbia]

STATE	Total surface area ¹	Federal land	NONFEDERAL LAND							
			Total	Developed ²	Rural					
					Total	Crop-land	Pasture land	Range-land	Forest land	Minor cover/use
Total	1,940,011	407,989	1,483,126	92,352	1,390,774	382,317	125,927	398,949	394,958	88,624
United States	1,937,678	407,899	1,480,916	91,946	1,388,970	381,950	125,215	398,803	394,437	88,565
Alabama	33,091	921	31,192	2,046	29,147	3,147	3,760	67	20,968	1,205
Arizona	72,960	30,280	42,408	1,404	41,004	1,198	76	32,227	4,718	2,785
Arkansas	34,040	3,207	29,803	1,322	28,480	7,730	5,727	159	14,267	598
California	101,572	46,792	52,892	5,001	47,892	10,052	1,161	17,140	14,794	4,746
Colorado	66,618	23,923	42,240	1,694	40,547	8,940	1,256	23,537	3,755	3,059
Connecticut	3,212	15	3,054	816	2,238	229	110	-	1,760	140
Delaware	1,309	33	1,213	205	1,008	499	26	-	353	130
Florida	37,545	3,791	30,406	4,645	25,761	2,997	4,373	3,467	12,378	2,545
Georgia	37,702	2,087	34,599	3,077	31,523	5,173	3,075	-	21,714	1,560
Hawaii	4,093	432	3,621	170	3,451	274	88	925	1,483	680
Idaho	53,481	33,298	19,521	587	18,934	5,600	1,243	6,668	4,024	1,399
Illinois	36,061	521	34,766	3,094	31,672	24,100	2,764	-	3,419	1,390
Indiana	23,159	487	22,287	2,095	20,193	13,513	1,866	-	3,626	1,188
Iowa	36,016	184	35,363	1,779	33,584	24,988	3,712	-	1,931	2,953
Kansas	52,658	606	51,488	1,997	49,491	26,565	2,306	15,723	1,331	3,565
Kentucky	25,862	1,201	23,985	1,653	22,332	5,092	5,859	-	10,312	1,069
Louisiana	30,561	1,264	26,373	1,764	24,609	5,972	2,269	227	12,961	3,181
Maine	21,290	164	19,517	697	18,820	448	111	-	17,557	705
Maryland	6,695	167	6,034	1,095	4,939	1,673	545	-	2,364	356
Massachusetts	5,302	89	4,839	1,309	3,530	272	170	-	2,778	310
Michigan	37,457	3,166	33,040	3,686	29,354	8,985	2,353	-	15,608	2,408
Minnesota	54,017	3,383	47,092	2,418	44,674	21,356	3,282	-	13,815	6,222
Mississippi	30,521	1,726	27,992	1,337	26,655	5,726	4,047	-	15,765	1,117
Missouri	44,606	2,017	41,710	2,336	39,374	13,347	11,911	126	11,656	2,332
Montana	94,109	27,122	65,656	1,096	64,561	15,035	3,370	36,835	5,156	4,165
Nebraska	49,507	739	48,137	1,252	46,885	19,239	2,066	22,669	777	2,135
Nevada	70,759	60,290	10,025	394	9,631	762	297	7,854	353	364
New Hampshire	5,938	747	4,952	563	4,389	142	98	-	3,932	217
New Jersey	4,984	159	4,549	1,588	2,961	650	159	-	1,766	386
New Mexico	77,819	27,394	50,196	866	49,330	1,892	212	39,792	4,600	2,835
New York	31,429	231	29,788	3,005	26,783	5,616	3,001	-	17,178	987
North Carolina	33,708	2,448	28,476	3,542	24,933	5,960	2,019	-	15,979	975
North Dakota	45,250	1,951	42,187	1,344	40,843	24,743	1,168	10,325	426	4,181
Ohio	26,451	375	25,654	3,558	22,096	11,929	2,269	-	6,624	1,275
Oklahoma	44,772	1,202	42,395	1,875	40,520	10,081	7,720	14,061	6,988	1,672
Oregon	62,127	32,291	29,155	1,125	28,030	3,776	1,900	9,375	11,839	1,142
Pennsylvania	28,997	682	27,813	3,432	24,381	5,596	2,326	-	15,316	1,143
Rhode Island	776	4	661	190	472	25	24	-	393	30
South Carolina	19,912	1,156	17,961	1,856	16,105	2,983	1,190	-	10,922	1,010
South Dakota	49,354	2,907	45,459	1,135	44,324	16,436	2,158	21,933	540	3,257
Tennessee	26,972	1,379	24,740	2,161	22,579	4,857	5,165	-	11,580	977
Texas	170,756	3,203	163,687	8,231	155,456	28,261	16,710	94,155	9,960	6,369
Utah	54,336	35,582	16,866	561	16,305	1,815	665	10,050	1,626	2,148
Vermont	6,153	368	5,521	324	5,197	635	349	-	4,138	75
Virginia	26,091	2,389	22,774	2,183	20,591	2,901	3,444	-	13,539	707
Washington	43,608	12,479	29,931	1,851	28,081	6,745	1,352	5,476	12,547	1,960
West Virginia	15,508	1,201	14,138	689	13,449	915	1,609	-	10,534	391
Wisconsin	35,938	1,829	32,747	2,357	30,390	10,813	2,954	-	13,410	3,212
Wyoming	62,598	30,020	32,012	541	31,471	2,272	901	26,015	975	1,309
Caribbean	2,334	90	2,211	407	1,804	367	712	145	521	59

- Represents zero. ¹ Includes water area not shown separately. ² Includes urban and built-up areas in units of 10 acres or greater, and rural transportation.

Source: U.S. Dept. of Agriculture, Soil Conservation Service, and Iowa State University, Statistical Laboratory; *Summary Report, 1992 National Resources Inventory.*

No. 371. Extreme and Mean Elevations States and Other Areas

[One foot=.305 meter]

STATE OR OTHER AREA	HIGHEST POINT				LOWEST POINT				APPROXIMATE MEAN ELEVATION	
	Name	Elevation		Name	Elevation		Feet	Meters	Feet	Meters
		Feet	Meters		Feet	Meters				
U.S.	Mt. McKinley (AK)	20,320	6,198	Death Valley (CA)	-282	-86	2,500	763		
AL	Cheaha Mountain	2,405	733	Gulf of Mexico	(¹)	(¹)	500	153		
AK	Mount McKinley	20,320	6,198	Pacific Ocean	(¹)	(¹)	1,900	580		
AZ	Humphreys Peak	12,633	3,853	Colorado River	70	21	4,100	1,251		
AR	Magazine Mountain	2,753	840	Quachita River	55	17	650	198		
CA	Mount Whitney	14,494	4,419	Death Valley	-282	-86	2,900	885		
CO	Mt. Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800	2,074		
CT	Mt. Frissell on South slope	2,380	726	Long Island Sound	(¹)	(¹)	500	153		
DE	Ebright Road, ²		137	Atlantic Ocean	(¹)	(¹)	60	18		
	New Castle County	448	176	Potomac River	1	(Z)	150	46		
DC	Tenleytown at Reno Reservoir	410	125							
FL	Sec. 30, T6N, R20W, Walton County	345	105	Atlantic Ocean	(¹)	(¹)	100	31		
GA	Brasstown Bald	4,784	1,459	Atlantic Ocean	(¹)	(¹)	600	183		
HI	Puu Wekiu	13,796	4,208	Pacific Ocean	(¹)	(¹)	3,030	924		
ID	Borah Peak	12,662	3,862	Snake River	710	217	5,000	1,525		
IL	Charles Mound	1,235	377	Mississippi River	279	85	600	183		
IN	Franklin Twp., Wayne Co	1,257	383	Ohio River	320	98	700	214		
IA	Sec. 29, T100N, R41W, Osceola County ³	1,670	509	Mississippi River	480	146	1,100	336		
KS	Mount Sunflower	4,039	1,232	Verdigris River	679	207	2,000	610		
KY	Black Mountain	4,139	2,162	Mississippi River	257	78	750	229		
LA	Driskill Mountain	535	163	New Orleans	-8	-2	100	31		
ME	Mount Katahdin	5,267	1,606	Atlantic Ocean	(¹)	(¹)	600	183		
MD	Backbone Mountain	3,360	1,025	Atlantic Ocean	(¹)	(¹)	350	107		
MA	Mount Greylock	3,487	1,064	Atlantic Ocean	(¹)	(¹)	500	153		
MI	Mount Arvon	1,979	604	Lake Erie	571	174	900	275		
MN	Eagle Mountain, Cook Co	2,301	702	Lake Superior	600	183	1,200	366		
MS	Woodall Mountain	806	246	Gulf of Mexico	(¹)	(¹)	300	92		
MO	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800	244		
MT	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037		
NE	Johnson Twp., Kimball Co	5,424	1,654	Missouri River	840	256	2,600	793		
NV	Boundary Peak	13,140	4,007	Colorado River	479	146	5,500	1,678		
NH	Mount Washington	6,288	1,918	Atlantic Ocean	(¹)	(¹)	1,000	305		
NJ	High Point	1,803	550	Atlantic Ocean	(¹)	(¹)	250	76		
NM	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,842	867	5,700	1,739		
NY	Mount Marcy	5,344	1,630	Atlantic Ocean	(¹)	(¹)	1,000	305		
NC	Mount Mitchell	6,684	2,039	Atlantic Ocean	(¹)	(¹)	700	214		
ND	White Butte, Slope Co	3,506	1,069	Red River	750	229	1,900	580		
OH	Campbell Hill	1,549	472	Ohio River	455	139	850	259		
OK	Black Mesa	4,973	1,517	Little River	289	88	1,300	397		
OR	Mount Hood	11,239	3,428	Pacific Ocean	(¹)	(¹)	3,300	1,007		
PA	Mount Davis	3,213	980	Delaware River	(¹)	(¹)	1,100	336		
RI	Jerimoth Hill	812	248	Atlantic Ocean	(¹)	(¹)	200	61		
SC	Sassafras Mountain	3,560	1,086	Atlantic Ocean	(¹)	(¹)	350	107		
SD	Harney Peak	7,242	2,209	Big Stone Lake	966	295	2,200	671		
TN	Clingmans Dome	6,643	2,026	Mississippi River	178	54	900	275		
TX	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(¹)	(¹)	1,700	519		
UT	Kings Peak	13,528	4,126	Beaverdam Wash	2,000	610	6,100	1,861		
VT	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000	305		
VA	Mount Rogers	5,729	1,747	Atlantic Ocean	(¹)	(¹)	950	290		
WA	Mount Rainier	14,410	4,395	Pacific Ocean	(¹)	(¹)	1,700	519		
WV	Spruce Knob	4,861	1,483	Potomac River	240	73	1,500	458		
WI	Timms Hill	1,951	595	Lake Michigan	579	177	1,050	320		
WY	Gannett Peak	13,804	4,210	Belle Fourche River	3,099	945	6,700	2,044		
Other areas:										
Puerto Rico	Cerro de Punta	4,390	1,339	Atlantic Ocean	(¹)	(¹)	1,800	549		
American Samoa	Lata Mountain	3,160	964	Pacific Ocean	(¹)	(¹)	1,300	397		
Guam	Mount Lamlam	1,332	406	Pacific Ocean	(¹)	(¹)	330	101		
Virgin Is.	Crown Mountain	1,556	475	Atlantic Ocean	(¹)	(¹)	750	229		

Z Less than 0.5 meter. ¹ Sea level. ² At DE-PA State line. ³ "Sec." denotes section; "T," township; "R," range; "N," north; and "W," west.

Source: U.S. Geological Survey, for highest and lowest points, *Elevations and Distances in the United States, 1990*; for mean elevations, 1983 edition.

No. 372. Water Areas for Selected Major Bodies of Water: 1990

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Hawaii. One square mile=2.59 square kilometers]

BODY OF WATER AND STATE	AREA		BODY OF WATER AND STATE	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Atlantic Coast water bodies:					
Chesapeake Bay (MD-VA)	2,747	7,115	Leech Lake (MN)	162	419
Pamlico Sound (NC)	1,622	4,200	Lake St. Clair (MI) ¹	161	416
Long Island Sound (CT-NY)	914	2,368	Eufaula Lake (OK)	157	407
Delaware Bay (DE-NJ)	614	1,591	Sam Rayburn Reservoir (TX)	150	389
Cape Cod Bay (MA)	598	1,548	Goose Lake (CA-OR)	147	381
Albemarle Sound (NC)	492	1,274	Utah Lake (UT)	139	361
Biscayne Bay (FL)	218	565	Lake Marion (SC)	139	360
Buzzards Bay (MA)	215	558	Lake Francis Case (SD)	134	346
Tangier Sound (MD-VA)	172	445	Lake Pend Oreille (ID)	133	343
Currituck Sound (NC)	116	301	Lake Texoma (OK-TX)	132	342
Pocomoke Sound (MD-VA)	111	286	Yellowstone Lake (WY)	131	339
Chincoteague Bay (MD-VA)	105	272	Livingston Reservoir (TX)	127	330
Great South Bay (NY)	94	243	Franklin D. Roosevelt Lake (WA)	124	322
Core Sound (NC)	88	229	Moosehead Lake (ME)	116	301
Gulf Coast water bodies:					
Mississippi Sound (AL-LA-MS)	813	2,105	Clark Hill Lake (GA-SC)	105	272
Laguna Madre (TX)	733	1,897	Lake Maurepas (LA)	91	235
Lake Pontchartrain (LA)	631	1,635	Lake Moultrie (SC)	89	230
Florida Bay (FL)	616	1,596	Lake Winnibigoshish (MN)	87	225
Breton Sound (LA)	511	1,323	Hartwell Lake (GA-SC)	86	224
Mobile Bay (AL)	310	802	Upper Klamath Lake (OR)	85	221
Lake Borgne (LA-MS)	271	702	Harry S. Truman Reservoir (MO)	84	217
Matagorda Bay (TX)	253	656	Oneida Lake (NY)	80	207
Atchafalaya Bay (LA)	245	635	Malheur Lake (OR)	75	195
Galveston Bay (TX)	236	611	Alaska water bodies:		
Tampa Bay (FL)	212	549	Chatham Strait	1,559	4,039
Vermilion Bay (LA)	189	489	Prince William Sound	1,382	3,579
Corpus Christi Bay (TX)	151	392	Clarence Strait	1,199	3,107
West Cote Blanche Bay (LA)	146	378	Iliamna Lake	1,022	2,646
Trinity Bay (TX)	129	335	Frederick Sound	792	2,051
Choctawhatchee Bay (FL)	122	315	Sumner Strait	791	2,048
San Antonio Bay (TX)	118	306	Stephens Passage	702	1,819
Timbalier Bay (LA)	112	291	Kvichak Bay	640	1,659
Charlotte Harbor (FL)	112	291	Montague Strait	463	1,198
Aransas Bay (TX)	104	268	Becharof Lake	447	1,158
Apalachicola Bay (FL)	101	262	Icy Strait	436	1,130
Terrebonne Bay (LA)	99	256	Hotham Inlet	433	1,120
East Cote Blanche Bay (LA)	94	243	Selawik Lake	403	1,044
St. George Sound (FL)	93	240	Nushagak Bay	393	1,018
Sabine Lake (LA-TX)	89	229	Baird Inlet	348	902
White Lake (LA)	85	221	Yakutat Bay	345	894
Old Tampa Bay (FL)	83	214	Teshkepkuk Lake	324	839
Bon Secour Bay (AL)	79	204	Behm Canal	324	839
Pine Island Sound (FL)	75	194	Turnagain Arm	322	834
Pacific Coast water bodies:					
Puget Sound (WA)	808	2,092	Kachemak Bay	310	803
San Francisco Bay (CA)	264	684	Glacier Bay	310	803
Willapa Bay (WA)	125	325	Stefansson Sound	301	780
Hood Canal (WA)	117	303	Revillagigedo Channel	295	764
Interior water bodies:					
Lake Michigan (IL-IN-MI-WI)	22,342	57,866	Kasegaluk Lagoon	293	759
Lake Superior (MI-MN-WI) ¹	20,557	53,243	Cordova Bay	241	623
Lake Huron (MI) ¹	8,800	22,792	Sitka Sound	229	593
Lake Erie (MI-NY-OH-PA) ¹	5,033	13,036	Naknek Lake	225	582
Lake Ontario (NY) ¹	3,446	8,926	Eschscholtz Bay	210	543
Great Salt Lake (UT)	1,836	4,756	Stepovak Bay	206	534
Green Bay (MI-WI)	1,396	3,617	Keku Strait	206	534
Lake Okeechobee (FL)	663	1,717	Port Clarence	187	486
Lake Sakakawea (ND)	563	1,459	Orca Bay	184	476
Lake Oahe (ND-SD)	538	1,394	Knik Arm	169	437
Lake of the Woods (MN) ¹	462	1,196	Dall Lake	167	433
Lake Champlain (NY-VT) ¹	414	1,072	Knight Island Passage	167	432
Fort Peck Lake (MT)	379	981	Scammon Bay	163	423
Salton Sea (CA)	364	944	Port Moller	159	412
Toledo Bend Reservoir (LA-TX)	268	694	Ernest Sound	158	410
Lower Red Lake (MN)	257	666	Sparafief Bay	157	405
Lake Powell (AZ-UT)	250	649	Pavlov Bay	153	396
Kentucky Lake (KY-TN)	234	605	Shishmaref Inlet	153	395
Lake Mead (AZ-NV)	233	603	Smith Bay	140	363
Lake Winnebago (WI)	206	535	Seymour Canal	140	361
Mille Lacs Lake (MN)	200	518	Sitkalidak Strait	135	349
Flathead Lake (MT)	191	495	Tlevak Strait	135	349
Lake Tahoe (CA-NV)	187	486	Lake Clark	130	336
Upper Red Lake (MN)	186	483	Lynn Canal	130	336
Pyramid Lake (NV)	170	440	Chignik Bay	119	309
			Elson Lagoon	119	309
			Bucareli Bay	119	307
			Hinchinbrook Entrance	118	306

¹ Area measurements for Lake Champlain, Lake Erie, Lake Huron, Lake Ontario, Lake St. Clair, Lake Superior, and Lake of the Woods include only those portions under the jurisdiction of the United States.

Source: U. S. Bureau of the Census, unpublished data from the Census TIGER™ data base.

No. 373. Flows of Largest U.S. Rivers—Length, Discharge, and Drainage Area

RIVER	Location of mouth	Source stream (name and location)	Length (miles) ¹	Average discharge at mouth (1,000 cubic ft. per second)	Drainage area (1,000 sq. mi.)
Missouri	Missouri	Red Rock Creek, MT	2,540	76.2	529
Mississippi	Louisiana	Mississippi River, MN	2,340	593	4,511,150
Yukon	Alaska	McNeil River, Canada	1,980	225	5,328
St. Lawrence	Canada	North River, MN	1,900	348	5,396
Rio Grande	Mexico-Texas	Rio Grande, CO	1,900	-	336
Arkansas	Arkansas	East Fork Arkansas River, CO	1,460	41	161
Colorado	Mexico	Colorado River, CO	1,450	-	246
Atchafalaya ⁶	Louisiana	Tierra Blanca Creek, NM	1,420	58	95.1
Ohio	Illinois-Kentucky	Allegheny River, PA	1,310	281	203
Red	Louisiana	Tierra Blanca Creek, NM	1,290	56	93.2
Brazos	Texas	Blackwater Draw, NM	1,280	-	45.6
Columbia	Oregon-Washington	Columbia River, Canada	1,240	265	5,258
Snake	Washington	Snake River, WY	1,040	56.9	108
Platte	Nebraska	Grizzly Creek, CO	990	-	84.9
Pecos	Texas	Pecos River, NM	926	-	44.3
Canadian	Oklahoma	Canadian River, CO	906	-	46.9
Tennessee	Kentucky	Courthouse Creek, NC	886	68	40.9
Colorado (of Texas)	Texas	Colorado River, TX	862	-	42.3
North Canadian	Oklahoma	Corrupa Creek, NM	800	-	17.6
Mobile	Alabama	Tickanetley Creek, GA	774	67.2	44.6
Kansas	Kansas	Arikaree River, CO	743	-	59.5
Kuskokwim	Alaska	South Fork Kuskokwim River, AK	724	67	48
Yellowstone	North Dakota	North Folk Yellowstone River, WY	692	-	70
Tanana	Alaska	Nabesna River, AK	659	41	44.5
Gila	Arizona	Middle Fork Gila River, NM	649	-	58.2

- Represents zero. ¹ From source to mouth. ² The length from the source of the Missouri River to the Mississippi River and thence to the Gulf of Mexico is about 3,710 miles. ³ Includes about 167,000 cubic ft. per second diverted from the Mississippi into the Atchafalaya River but excludes the flow of the Red River. ⁴ Excludes the drainage areas of the Red and Atchafalaya Rivers. ⁵ Drainage area includes both the United States and Canada. ⁶ In east-central Louisiana, the Red River flows into the Atchafalaya River, a distributary of the Mississippi River. Data on average discharge, length, and drainage area include the Red River, but exclude all water diverted into the Atchafalaya from the Mississippi River.

Source: U.S. Geological Survey, *Largest Rivers in the United States*, Open File Report 87-242, May 1990.

No. 374. Water Withdrawals and Consumptive Use—States and Other Areas: 1990

[In millions of gallons per day, except as noted. Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

STATE OR OTHER AREA	WATER WITHDRAWN					STATE OR OTHER AREA	WATER WITHDRAWN					Consumptive use, ¹ fresh water
	Total	Per capita (gal. per day) fresh	Source		Consumptive use, ¹ fresh water		Total	Per capita (gal. per day) fresh	Source		Consumptive use, ¹ fresh water	
			Ground water	Surface water					Ground water	Surface water		
U.S. ²	407,900	1,340	80,640	327,260	93,980	Montana	9,320	11,600	218	9,100	2,090	
Alabama	8,090	2,000	403	7,680	454	Nebraska	8,940	5,660	4,800	4,150	4,230	
Alaska	641	517	112	529	26	Nevada	3,350	2,760	1,070	2,280	1,690	
Arizona	6,570	1,790	2,740	3,830	4,350	New Hampshire	1,310	378	64	1,250	26	
Arkansas	7,840	3,330	4,710	3,130	4,140	New Jersey	12,800	287	566	12,200	211	
California	46,800	1,180	14,900	31,900	20,900	New Mexico	3,480	2,300	1,760	1,720	2,060	
Colorado	12,700	3,850	2,800	9,910	5,250	New York	19,000	583	840	18,100	562	
Connecticut	4,840	325	165	4,680	103	North Carolina	8,940	1,350	435	8,510	390	
Delaware	1,370	1,540	89	1,280	59	North Dakota	2,680	4,190	141	2,540	228	
District of Columbia	9	15	1	8	16	Ohio	11,700	1,080	904	10,800	901	
Florida	17,900	582	4,660	13,200	3,130	Oklahoma	1,670	452	905	760	659	
Georgia	5,350	816	996	4,360	822	Oregon	8,430	2,970	767	7,660	3,160	
Hawaii	2,740	1,070	590	2,150	627	Pennsylvania	9,830	827	1,020	8,810	581	
Idaho	19,700	19,600	7,590	12,100	6,090	Rhode Island	526	132	25	501	18	
Illinois	18,000	1,570	945	17,100	750	South Carolina	6,000	1,720	282	5,720	293	
Indiana	9,430	1,700	621	8,810	451	South Dakota	592	851	251	341	345	
Iowa	2,860	1,030	495	2,370	271	Tennessee	9,190	1,880	503	8,690	252	
Kansas	6,080	2,460	4,360	1,720	4,410	Texas	25,200	1,180	7,880	17,300	9,020	
Kentucky	4,320	1,170	247	4,070	309	Utah	4,480	2,540	971	3,510	2,230	
Louisiana	9,350	2,200	1,340	8,010	1,590	Vermont	632	1,120	45	587	29	
Maine	1,140	433	85	1,060	51	Virginia	6,860	762	443	6,420	224	
Maryland	6,420	307	239	6,180	126	Washington	7,940	1,630	1,450	6,490	2,830	
Massachusetts	5,520	338	338	5,180	195	West Virginia	4,580	2,560	728	3,860	509	
Michigan	11,600	1,250	707	10,900	738	Wisconsin	6,510	1,330	681	5,830	461	
Minnesota	3,270	748	797	2,480	872	Wyoming	7,600	16,700	403	7,200	2,730	
Mississippi	3,640	1,290	2,670	963	1,800	Puerto Rico	3,040	163	157	3	199	
Missouri	6,930	1,150	728	6,200	529	Virgin Islands	164	91	3	160	2	

¹ Water that has been evaporated, transpired, or incorporated into products, plant or animal tissue; and therefore, is not available for immediate reuse. ² Includes Puerto Rico and Virgin Islands.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1990*, circular 1081.

No. 375. U.S. Water Withdrawals and Consumptive Use Per Day, by End Use: 1940 to 1990

[Includes Puerto Rico. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power]

YEAR	Total (bil. gal.)	Per capita ¹ (gal.)	Irrigation (bil. gal.)	PUBLIC SUPPLY ²		Rural ⁴ (bil. gal.)	Industrial and misc. ⁵ (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita ³ (gal.)			
WITHDRAWALS								
1940	140	1,027	71	10	75	3.1	29	23
1950	180	1,185	89	14	145	3.6	37	40
1955	240	1,454	110	17	148	3.6	39	72
1960	270	1,500	110	21	151	3.6	38	100
1965	310	1,602	120	24	155	4.0	46	130
1970	370	1,815	130	27	166	4.5	47	170
1975	420	1,972	140	29	168	4.9	45	200
1980	440	1,953	150	34	183	5.6	45	210
1985	399	1,650	137	38	189	7.8	31	187
1990	408	1,620	137	41	195	7.9	30	195
CONSUMPTIVE USE								
1960	61	339	52	3.5	25	2.8	3.0	0.2
1965	77	403	66	5.2	34	3.2	3.4	0.4
1970	87	427	73	5.9	36	3.4	4.1	0.8
1975	96	451	80	6.7	38	3.4	4.2	1.9
1980	100	440	83	7.1	38	3.9	5.0	3.2
1985	92	380	74	(6)	(6)	9.2	6.1	6.2
1990	94	370	76	(6)	(6)	8.9	6.7	4.0

¹ Based on Bureau of the Census resident population as of July 1. ² Includes commercial water withdrawals. ³ Based on population served. ⁴ Rural farm and nonfarm household and garden use, and water for farm stock and dairies. ⁵ For 1940 to 1960, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordnance, construction, and miscellaneous. ⁶ Public supply consumptive use included in end-use categories.

Source: 1940-1960, U.S. Bureau of Domestic Business Development, based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, thereafter, U.S. Geological Survey, *Estimated Use of Water in the United States in 1990*, circular 1081, and previous quinquennial issues.

No. 376. National Ambient Water Quality in Rivers and Streams—Violation Rate: 1980 to 1995

[In percent. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept. µg=micrograms; mg=milligrams. For metric conversion, see page ix]

POLLUTANT	VIOLATION LEVEL	1980	1985	1989	1990	1991	1992	1993	1994	1995
Fecal coliform bacteria	Above 200 cells per 100 ml.	31	28	30	26	15	28	31	28	35
Dissolved oxygen	Below 5 mg per liter	5	3	3	2	2	2	(Z)	2	1
Phosphorus, total, as phosphorus	Above 1.0 mg per liter	4	3	2	3	2	2	2	2	4
Lead, dissolved	Above 50 µg per liter	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)	(NA)	(NA)
Cadmium, dissolved	Above 10 µg per liter	1	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)	(NA)	(NA)

NA Not available. Z Less than 1.

Source: U.S. Geological Survey, national-level data, unpublished; State-level data, *Water-Data Report*, annual series prepared in cooperation with the State governments.

No. 377. Oil Polluting Incidents Reported in and Around U.S. Waters: 1973 to 1993

YEAR	Incidents	Gallons	YEAR	Incidents	Gallons
1973	11,054	15,289,188	1986	5,818	4,427,544
1974	12,083	15,739,792	1987	5,693	3,759,983
1975	10,998	21,528,444	1988	6,733	10,650,138
1976	11,066	18,517,384	1989	8,562	25,531,292
1977	10,979	8,188,398	1990	10,186	13,907,783
1978	12,174	11,035,890	1991	10,405	2,156,063
1979	11,556	10,051,271	1992	9,131	1,572,341
1980	9,886	12,638,848			
1981	9,589	8,919,789	1993	9,672	1,543,578
1982	9,416	10,404,646	Tankships	185	14,138
1983	10,530	8,378,719	Tank barges	338	295,243
1984	10,089	19,007,332	Other vessels	5,220	412,430
1985	7,740	8,465,055	Non-vessels	3,929	821,767

Source: U.S. Coast Guard. Based on unpublished data from the *Marine Safety Information System*.

No. 378. National Ambient Air Pollutant Concentrations: 1986 to 1995

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations, except carbon monoxide is based on the second-highest, non-overlapping, 8-hour average; ozone, average of the second-highest daily maximum 1-hour value; and lead, quarterly average of ambient lead levels. Based on data from the Aerometric Information Retrieval System. $\mu\text{g}/\text{m}^3$ =micrograms of pollutant per cubic meter of air; ppm=parts per million]

POLLUTANT	Unit	Monitoring stations, number	Air quality standard ¹	1986	1990	1991	1992	1993	1994	1995
Carbon monoxide	ppm	334	29	7.10	5.90	5.60	5.20	4.90	5.00	4.5
Ozone	ppm	573	0.12	0.120	0.113	0.115	0.107	0.109	0.109	0.113
Sulfur dioxide	ppm	473	0.03	0.009	0.008	0.0078	0.0073	0.0071	0.0069	0.0057
Particulates (PM-10) ⁴	$\mu\text{g}/\text{m}^3$	955	50	(X)	29.4	29.1	26.7	26.0	26.1	25.0
Nitrogen dioxide	ppm	212	0.053	0.022	0.020	0.020	0.019	0.019	0.020	0.019
Lead	$\mu\text{g}/\text{m}^3$	189	1.5	0.18	0.08	0.08	0.05	0.05	0.04	0.04

X Not applicable. ¹ Refers to the primary National Ambient Air Quality Standard that protects the public health. ² Based on 8-hour standard of 9 ppm. ³ Based on 1-hour standard of .12 ppm. ⁴ The particulates (PM-10) standard replaced the previous standard for total suspended particulates in 1987. ⁵ Based on 3-month standard of 1.5 $\mu\text{g}/\text{m}^3$.

Source: U.S. Environmental Protection Agency, *National Air Quality and Emissions Trends Report*, annual.

No. 379. National Air Pollutant Emissions: 1970 to 1995

[In thousands of tons, except as indicated. PM-10=Particulate matter of less than ten microns. Methodologies to estimate data for 1970 to 1984 period and 1985 to present emissions differ. Beginning with 1985, the estimates are based on a modified National Acid Precipitation Assessment Program inventory]

YEAR	PM-10	PM-10, fugitive dust ¹	Sulfur dioxide	Nitrogen dioxides	Volatile organic compounds	Carbon monoxide	Lead (tons)
1970	13,044	(NA)	31,161	20,625	30,646	128,079	219,471
1975	7,617	(NA)	28,011	21,889	25,677	115,110	158,541
1980	7,050	(NA)	25,905	23,281	25,893	115,625	74,956
1984	6,220	(NA)	23,470	23,172	25,572	114,262	42,217
1985	4,094	40,889	23,230	22,860	25,798	114,690	20,124
1986	3,890	46,582	22,442	22,348	24,991	109,199	7,296
1987	3,931	38,041	22,204	22,403	24,778	108,012	6,857
1988	4,750	55,851	22,647	23,618	25,719	115,849	6,513
1989	3,927	48,650	22,785	23,222	23,935	103,144	6,034
1990	3,195	40,142	22,433	23,038	23,599	100,650	5,666
1991	3,170	45,738	22,068	22,672	22,877	97,376	5,280
1992	3,222	40,499	21,836	22,847	22,420	94,043	4,862
1993	3,163	39,389	21,517	23,276	22,575	94,133	4,945
1994	2,371	42,250	21,047	23,661	23,281	98,779	5,028
1995	3,050	39,586	18,319	21,779	22,865	92,099	4,986

NA Not available. ¹ Sources such as agricultural tilling, construction, mining and quarrying, paved roads, unpaved roads, and wind erosion.

No. 380. Air Pollutant Emissions, by Pollutant and Source: 1995

[In thousands of tons, except as indicated. See headnote, table 379]

SOURCE	Particulates ¹	Sulfur dioxide	Nitrogen oxides	Volatile organic compounds	Carbon monoxide	Lead (tons)
Total	42,635	18,320	21,777	22,864	92,099	4,986
Fuel combustion, stationary sources	905	15,658	10,077	709	3,960	493
Electric utilities	258	12,013	6,233	35	324	63
Industrial	239	3,046	3,137	135	672	17
Other fuel combustion	408	599	707	539	2,964	413
Residential	374	181	397	523	2,829	6
Industrial processes	630	2,014	781	2,744	5,606	2,072
Chemical and allied product manufacturing	66	471	283	1,617	2,237	80
Metals processing	145	720	84	77	2,223	1,937
Petroleum and related industries	26	385	91	628	379	(NA)
Other	393	438	323	422	767	55
Solvent utilization	2	1	3	6,394	2	(NA)
Storage and transport	60	5	3	1,803	65	(NA)
Waste disposal and recycling	253	37	85	2,411	1,766	842
Highway vehicles	304	305	7,604	6,105	58,624	1,387
Light-duty gas vehicles and motorcycles	62	142	3,611	3,621	35,981	1,036
Light-duty trucks	32	71	1,624	1,783	16,292	332
Heavy-duty gas vehicles	10	12	347	375	4,883	19
Diesels	200	80	2,022	326	1,468	(NA)
Off highway	393	292	2,996	2,252	15,622	191
Miscellaneous ³	40,088	8	228	446	6,454	(NA)

NA Not available. ¹ Represents both PM-10 and PM-10 fugitive dust; see table 379. ² Includes emissions from farm tractors and other farm machinery, construction equipment, industrial machinery, recreational marine vessels, and small general utility engines such as lawn mowers. ³ Includes emissions such as from forest fires and other kinds of burning, various agricultural activities, fugitive dust from paved and unpaved roads, and other construction and mining activities, and natural sources.

Source of tables 379 and 380: U.S. Environmental Protection Agency, *National Air Pollutant Emission Trends, 1900-1995*.

No. 381. Metropolitan Areas Failing to Meet National Ambient Air Quality for Carbon Monoxide—Number of Days Exceeding Standards: 1994 and 1995

[Areas generally represent the officially defined metropolitan area, but may, in some cases, not have all the counties identified as part of the area; see *Federal Register*, 40 CFR, part 81, *Air Quality Designations: Revised*, July 1994. Nonattainment status was as of December 1996]

METROPOLITAN AREA	1994	1995	METROPOLITAN AREA	1994	1995	METROPOLITAN AREA	1994	1995
Anchorage, AK	2	-	Las Vegas, NV	5	1	Phoenix, AZ	3	3
Chico, CA	-	-	Longmont, CO	-	-	Portland, OR-WA CMSA	1	-
Colorado Springs, CO	-	-	Los Angeles, CA CMSA	24	14	Provo-Orem, UT	1	-
Denver-Boulder, CO CMSA	1	2	Medford, OR	-	-	Reno, NV	-	-
El Paso, TX	-	-	Minneapolis-St. Paul, MN-WI	-	1	Sacramento, CA	-	-
Fairbanks, AK	3	9	Missoula County, MT	-	-	San Diego, CA	-	-
Fort Collins, CO	-	-	Modesto, CA	-	-	San Francisco, CA CMSA	-	-
Fresno, CA	-	-	New York, NY-NJ-CT	-	-	Spokane, WA	-	4
Grant Pass, OR	-	-	CMSA	2	1	Stockton, CA	-	-
Klamath County, OR	-	-	Ogden, UT	-	-			
Lake Tahoe S. Shore, CA	-	-						

- Represents zero. ¹ Not a metropolitan area.

Source: U.S. Environmental Protection Agency. Published in the 1995 *Air Quality Update*, December 1996.

No. 382. Metropolitan Areas Failing to Meet National Ambient Air Quality Standards for Ozone—Average Number of Days Exceeding Standards: 1993 to 1995

[See headnote, table 381. Nonattainment status was as of December 1996]

METROPOLITAN AREA	1993-95, avg.	1995 ¹	METROPOLITAN AREA	1993-95, avg.	1995 ¹
Albany-Schenectady-Troy, NY	0.3	-	Milwaukee-Racine, WI CMSA	1.7	4.0
Allentown-Bethlehem-Easton, PA-NJ	-	-	Monterey Bay, CA ⁶	0.7	1.4
Altoona, PA	-	-	Muskegon, MI	2.0	4.0
Atlanta, GA	6.0	3.4	Nashville, TN	1.0	-
Atlantic City, NJ	-	0.0	New York, NY-NJ-CT CMSA ⁷	5.7	5.0
Baltimore, MD	3.3	4.0	Norfolk-Virginia Beach-Newport News, VA	1.0	-
Baton Rouge, LA	1.7	4.0	Philadelphia, PA-NJ-DE-MD CMSA	3.5	4.3
Beaumont-Port Arthur, TX	1.8	5.3	Phoenix, AZ	1.3	3.0
Birmingham, AL	1.3	4.0	Pittsburgh-Beaver Valley, PA CMSA	3.0	7.0
Boston-Lawrence-Salem, MA-NH CMSA ²	2.0	2.0	Portland-Vancouver, OR-WA CMSA	0.3	-
Buffalo-Niagara Falls, NY CMSA	-	-	Portland, ME	2.5	2.5
Chicago-Gary-Lake County, IL-IN-WI CMSA	2.1	2.0	Portsmouth-Dover-Rochester, NH-ME	1.7	3.1
Cincinnati-Hamilton, OH-KY-IN CMSA	1.3	2.0	Poughkeepsie, NY	1.7	2.0
Dallas-Fort Worth, TX CMSA	4.1	6.0	Providence, RI ⁸	1.8	3.0
Door County, WI ³	1.0	1.0	Reading, PA	0.3	-
El Paso, TX	2.3	3.1	Reno, NV	-	-
Erie, PA	-	-	Richmond-Petersburg, VA	0.7	1.0
Essex County, NY ³	-	-	Sacramento, CA	3.9	7.2
Evansville, IN-KY	-	-	St. Louis, MO-IL	4.5	4.7
Greater Connecticut, CT ⁴	4.4	8.3	Salt Lake City-Ogden, UT	0.3	1.0
Hancock and Waldo counties, ME ³	1.0	1.0	San Diego, CA	9.4	9.0
Harrisburg-Lebanon-Carlisle, PA	-	-	San Joaquin Valley, CA	31.4	34.5
Houston-Galveston-Brazoria, TX CMSA	11.4	19.6	Santa Barbara-Santa Maria-Lompoc, CA	1.7	2.0
Jefferson County, NY ³	0.3	1.0	Scranton-Wilkes-Barre, PA	-	-
Johnstown, PA	-	-	Seattle-Tacoma, WA	0.7	-
Kent County and Queen Anne's Co., MD ³	1.0	1.0	Smyth County, VA ³	(NA)	(NA)
Knox and Lincoln counties, ME ³	0.8	1.2	Southeast Desert Modified AQMD, CA ⁹	53.4	26.4
Lake Charles, LA	1.0	1.0	Springfield, MA	2.4	2.0
Lancaster, PA	0.7	1.0	Sunland Park, NM ³	3.1	3.1
Lewiston-Auburn, ME	-	-	Sussex County, DE ³	-	-
Louisville, KY-IN	2.7	2.1	Ventura County, CA	15.6	22.1
Los Angeles South Coast Air, CA ⁵	86.2	67.0	Washington, DC-MD-VA	2.7	2.5
Manchester, NH	-	-	York, PA	-	-
Manitowoc Co, WI	1.5	1.0	Youngstown-Warren, OH ¹⁰	-	-

- Represents zero. NA Not available.

¹ May represent a different monitoring location than one used to calculate average. ² Includes also both the Worcester, MA, and New Bedford, MA MSA's. ³ Not a metropolitan area. ⁴ Primarily represents Hartford-New Haven area. ⁵ Primarily represents Los Angeles and Orange counties. ⁶ Primarily represents Monterey, Santa Cruz, and San Benito counties. ⁷ Excludes the Connecticut portion. ⁸ Covers entire State of Rhode Island. ⁹ Represents primarily San Joaquin, Tullock, Merced, Madera, Fresno, Kings, Tulare, and Kern counties. ¹⁰ Includes Sharon, PA.

Source: U.S. Environmental Protection Agency. Published in 1995 *Air Quality Update*, December 1996.

No. 383. Emissions of Greenhouse Gases, by Type and Source: 1989 to 1995

[Emission estimates were mandated by Congress through Section 1605(a) of the Energy Policy Act of 1992 (title XVI). Gases that contain carbon can be measured either in terms of the full molecular weight of the gas or just in terms of their carbon content]

TYPE AND SOURCE	Unit	1989	1990	1991	1992	1993	1994	1995, prel.
Carbon dioxide:								
Carbon content, total	Mil. metric tons	1,384.3	1,372.0	1,358.8	1,379.5	1,404.8	1,431.4	1,442.3
Energy sources	Mil. metric tons	1,355.8	1,344.2	1,324.6	1,346.3	1,375.0	1,386.5	1,409.4
Cement production	Mil. metric tons	8.7	8.8	8.5	8.6	9.1	9.7	10.5
Gas flaring	Mil. metric tons	1.7	1.8	2.1	2.1	2.9	2.9	1.8
Other industrial	Mil. metric tons	8.3	8.3	8.3	8.3	8.2	8.4	9
Other, adjustments	Mil. metric tons	9.8	8.9	15.3	14.2	9.6	14.0	11.7
Methane:								
Gas, total	Mil. metric tons	30.9	31.3	31.4	31.5	30.5	31.0	(NA)
Energy sources	Mil. metric tons	11.8	12.0	11.9	11.9	11.0	11.4	(NA)
Landfills	Mil. metric tons	10.8	11.0	10.9	10.8	10.6	10.3	(NA)
Agricultural sources	Mil. metric tons	8.2	8.3	8.6	8.8	8.8	9.1	9.2
Industrial sources	Mil. metric tons	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nitrogen oxide, total								
1,000 metric tons		444	449	452	452	462	471.0	462
Agriculture	1,000 metric tons	159	164	167	168	176	179	172
Mobile sources	1,000 metric tons	147	150	148	150	146	146	145
Stationary combustion	1,000 metric tons	38	37	37	37	38	38	39
Industrial sources	1,000 metric tons	100	97	100	96	103	107	107
Nitrogen oxide, total								
Mil. metric tons		21.1	20.9	20.6	20.7	21.1	21.4	(NA)
Energy related	Mil. metric tons	20.0	19.8	19.5	19.7	20.1	20.3	(NA)
Transportation	Mil. metric tons	9.6	9.4	9.2	9.4	9.5	9.6	(NA)
Industrial processes	Mil. metric tons	0.7	0.7	0.7	0.7	0.7	0.7	(NA)
Stationary source fuel combustion	Mil. metric tons	10.5	10.4	10.3	10.4	10.6	10.6	(NA)
Solid waste disposal	Mil. metric tons	0.1	0.1	0.1	0.1	0.1	0.1	(NA)
Other	Mil. metric tons	0.3	0.3	0.3	0.2	0.2	0.3	(NA)
Nonmethane volatile organic compounds (VOC's), total								
Mil. metric tons		21.7	21.4	20.8	20.3	20.5	21.0	(NA)
Energy related	Mil. metric tons	9.7	9.0	8.7	8.4	8.4	8.6	(NA)
Industrial processes	Mil. metric tons	9.4	9.4	9.3	9.5	9.6	9.8	(NA)
Solid waste disposal	Mil. metric tons	2.1	2.1	2.1	2.1	2.1	2.1	(NA)
Other	Mil. metric tons	0.6	1.0	0.7	0.4	0.5	0.6	(NA)
Carbon monoxide, total								
Mil. metric tons		93.5	91.2	88.3	85.3	85.3	88.9	(NA)
Energy related	Mil. metric tons	79.8	74.8	74.4	72.8	72.9	74.0	(NA)
Transportation	Mil. metric tons	73.1	70.3	69.5	67.8	68.5	69.6	(NA)
Stationary source fuel combustion	Mil. metric tons	6.7	4.5	4.8	5.0	4.5	4.4	(NA)
Industrial processes	Mil. metric tons	4.8	4.7	4.6	4.7	4.8	4.9	(NA)
Solid waste disposal	Mil. metric tons	1.6	1.5	1.5	1.6	1.6	1.6	(NA)
Other	Mil. metric tons	7.4	10.1	7.7	6.1	6.1	8.4	(NA)
Chlorofluorocarbons (CFCs) gases ¹	1,000 metric tons	272	231	210	187	166	133	87
Hydrofluorocarbons	1,000 metric tons	5	5	5	8	11	18	25
Hydrochlorofluorocarbons (HCFCs) gases ²	1,000 metric tons	76	84	89	95	107	121	136

NA Not available. ¹ Covers principally CFC-11, CFC-12, and CFC-113. ² Covers principally HCFC-22.

Source: U.S. Energy Information Administration, *Emissions of Greenhouse Gases in the United States, annual*.

No. 384. Municipal Solid Waste Generation, Recovery, and Disposal: 1970 to 1995

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated]

ITEM AND MATERIAL	1970	1980	1985	1990	1991	1992	1993	1994	1995
Waste generated	121.9	151.5	164.4	197.3	196.9	202.2	205.4	209.6	208.1
Per person per day (lb.)	3.3	3.7	3.8	4.3	4.3	4.3	4.4	4.4	4.3
Materials recovered	8.6	14.5	16.4	33.9	37.7	41.4	44.8	52.0	56.2
Per person per day (lb.)	0.23	0.35	0.38	0.7	0.8	0.9	1.0	1.1	1.2
Combustion for energy recovery	0.4	2.7	7.6	29.7	31.1	30.5	31.3	31.2	32.5
Per person per day (lb.)	0.02	0.06	0.17	0.7	0.7	0.7	0.7	0.7	0.7
Combustion without energy recovery	24.7	11.0	4.1	2.2	2.2	2.2	1.6	1.3	1.0
Per person per day (lb.)	0.66	0.27	0.10	0.05	0.05	0.05	0.03	0.03	0.02
Landfill, other disposal	88.2	123.3	136.4	131.6	125.9	128.1	127.6	125.2	118.4
Per person per day (lb.)	2.37	2.97	3.13	2.9	2.7	2.8	2.7	2.6	2.5
Percent distribution of generation:									
Paper and paperboard	36.3	36.1	37.4	36.9	36.1	36.7	37.7	38.6	39.2
Glass	10.4	9.9	8.0	6.6	6.4	6.5	6.6	6.4	6.2
Metals	11.6	9.6	8.6	8.4	8.4	7.9	7.8	7.7	7.6
Plastics	2.5	5.2	7.1	8.7	9.0	9.1	9.2	9.2	9.1
Rubber and leather	2.6	2.8	2.3	2.9	3.0	2.9	2.8	3.0	2.9
Textiles	1.6	1.7	1.7	2.9	3.1	3.3	3.3	3.5	3.6
Wood	3.3	4.4	5.0	6.0	6.2	6.4	6.3	6.3	7.1
Food wastes	10.5	8.7	8.0	6.7	6.9	6.7	6.7	6.6	6.7
Yard wastes	19.0	18.2	18.2	17.7	17.8	17.3	16.2	15.0	14.3
Other wastes	2.2	3.4	3.6	3.2	3.1	3.2	3.1	3.1	3.3

NA Not available.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States: 1995*. Prepared for the U.S. Environmental Protection Agency.

No. 385. Generation and Recovery of Selected Materials in Municipal Solid Waste: 1970 to 1995

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated.]

ITEM AND MATERIAL	1970	1980	1985	1990	1991	1992	1993	1994	1995
Waste generated, total	121.9	151.5	164.4	197.3	196.9	202.2	205.4	209.6	208.1
Paper and paperboard	44.2	54.7	61.5	72.7	71.0	74.3	77.4	80.8	81.5
Ferrous metals	12.6	11.6	10.9	12.6	12.7	12.1	11.9	11.8	11.6
Aluminum	0.8	1.8	2.3	2.8	2.8	2.9	2.9	3.0	3.0
Other nonferrous metals	0.7	1.1	1.0	1.1	1.1	1.1	1.1	1.4	1.3
Glass	12.7	15.0	13.2	13.1	12.6	13.1	13.6	13.4	12.8
Plastics	3.1	7.9	11.6	17.1	17.7	18.4	19.0	19.3	19.0
Yard waste	23.2	27.5	30.0	35.0	35.0	35.0	33.3	31.5	29.8
Other wastes	24.6	31.9	33.9	42.8	44.0	45.3	46.2	48.5	49.1
Materials recovered, total	8.6	14.5	16.4	33.9	37.7	41.4	44.8	52.0	56.2
Paper and paperboard	7.4	11.9	13.1	20.2	22.5	24.5	25.5	29.5	32.6
Ferrous metals	0.1	0.4	0.4	2.6	3.1	3.4	3.9	4.1	4.2
Aluminum	-	0.3	0.6	1.0	1.0	1.1	1.1	1.2	1.0
Other nonferrous metals	0.3	0.5	0.5	0.7	0.7	0.7	0.7	1.0	0.9
Glass	0.2	0.8	1.0	2.6	2.6	2.9	3.0	3.1	3.1
Plastics	-	-	0.1	0.4	0.5	0.6	0.7	0.9	1.0
Yard waste	-	-	-	4.2	4.8	5.4	6.9	8.0	9.0
Other wastes	0.6	0.6	0.7	2.1	2.6	2.9	3.1	4.2	4.3
Percent of generation recovered, total	7.1	9.6	10.0	17.2	19.1	20.5	21.8	24.8	27.0
Paper and paperboard	16.7	21.8	21.3	27.8	31.7	33.0	32.9	36.5	40.0
Ferrous metals	0.8	3.4	3.7	20.4	24.1	27.7	32.8	35.0	36.5
Aluminum	-	16.7	26.1	35.9	35.6	38.7	35.8	37.8	34.6
Other nonferrous metals	42.9	45.5	50.0	66.4	65.5	63.4	63.1	73.3	69.5
Glass	1.6	5.3	7.6	20.0	20.3	22.0	22.1	23.3	24.5
Plastics	-	-	0.9	2.2	2.5	3.3	3.5	4.9	5.3
Yard waste	-	-	-	12.0	13.7	15.4	20.8	25.4	30.3
Other wastes	2.4	1.9	2.1	4.9	5.8	6.4	6.8	8.6	8.7

- Represents zero.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States: 1995*. Prepared for the U.S. Environmental Protection Agency.

No. 386. Toxic Release Inventory, by Industry and Source: 1990 to 1994

[In millions of pounds. Based on reports from almost 23,000 manufacturing facilities which have 10 or more full-time employees and meet established thresholds for manufacturing, processing, or otherwise using the list of more than 300 chemicals covered. Only chemicals that were reportable in all years shown are compared so that data do not reflect any chemicals added or deleted from the list covered. The inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA). A release is an on-site discharge of a toxic chemical to the environment.]

INDUSTRY	1987 SIC ¹ code	1990	1991	1992	1993	1994			
						Total ²	Air ³ nonpoint	Air ⁴ point	Water
Total	(X)	2,803.7	2,584.3	2,449.6	2,157.4	1,976.9	350.0	991.0	47.0
Food and kindred products	20	9.9	12.0	11.9	12.0	10.3	2.5	6.3	0.1
Tobacco products	21	1.0	0.6	0.6	0.6	1.0	0.1	0.9	-
Textile mill products	22	23.4	22.2	19.1	17.6	15.9	3.2	12.5	0.1
Apparel and other textile products	23	1.1	1.3	1.3	1.0	1.3	0.3	1.0	-
Lumber and wood products	24	33.6	30.2	30.0	29.8	31.7	3.7	27.9	-
Furniture and fixtures	25	57.8	52.8	53.2	54.0	50.6	6.4	44.1	-
Paper and allied products	26	203.6	207.2	199.1	179.8	218.6	18.4	186.6	8.9
Printing and publishing	27	51.4	46.4	40.4	35.9	34.2	19.9	14.3	-
Chemical and allied products	28	1,007.9	980.5	991.3	874.4	700.7	87.5	220.4	33.5
Petroleum and coal products	29	62.4	56.5	61.7	50.9	43.8	28.4	13.6	0.5
Rubber and misc. plastic products	30	154.5	134.2	121.1	111.0	111.6	30.7	80.6	-
Leather and leather products	31	9.5	7.8	7.2	4.4	3.6	1.0	2.6	-
Stone, clay, glass products	32	20.5	16.4	14.3	14.3	12.4	2.1	8.9	-
Primary metal industries	33	438.6	386.8	341.2	304.6	293.8	21.6	88.7	1.7
Fabricated metals products	34	125.6	109.1	100.6	88.6	86.1	29.5	55.8	0.1
Industrial machinery and equip.	35	48.0	38.8	33.0	26.5	23.5	7.1	16.1	0.1
Electronic, electric equipment	36	73.4	60.2	47.1	32.9	29.0	6.1	22.7	0.1
Transportation equipment	37	157.5	137.5	125.3	123.8	119.7	29.5	89.9	0.1
Instruments and related products	38	38.9	34.9	29.1	22.5	15.7	4.2	11.3	0.3
Misc. manufacturing industries	39	21.6	18.4	16.9	15.2	13.7	3.9	9.8	-
Multiple codes	20-39	251.7	203.6	191.8	137.2	142.9	39.0	70.3	1.3
No codes	20-39	11.9	26.8	13.6	20.1	16.9	5.2	6.4	0.2

- Represents or rounds to zero. X Not applicable. ¹ Standard Industrial Classification, see text, section 13. ² Includes other releases not shown separately. ³ Fugitive. ⁴ Stack.

Source: U.S. Environmental Protection Agency, *1994 Toxics Release Inventory*, June 1996.

No. 387. Toxic Releases, by State: 1988 to 1994

[In thousands of pounds. See headnote, table 386]

STATE AND OUTLYING AREAS	1988	1992	1993	1994	STATE AND OUTLYING AREAS	1988	1992	1993	1994
Total	3,536,050	2,449,644	2,157,355	1,976,912	MT.	35,719	43,331	44,660	46,428
U.S. total.	3,521,835	2,436,663	2,145,463	1,966,989	NE.	13,889	10,884	9,669	8,148
AL.	110,190	101,015	96,337	88,256	NV.	2,316	3,422	7,781	3,009
AK.	6,203	5,299	2,774	1,667	NH.	12,287	5,269	3,205	2,362
AZ.	66,057	44,749	11,899	30,482	NJ.	36,677	16,340	14,836	12,827
AR.	40,676	28,088	28,768	32,123	NM.	30,252	19,523	22,957	17,140
CA.	97,587	57,347	43,442	35,042	NY.	95,609	50,424	39,476	33,387
CO.	13,765	4,648	4,113	3,744	NC.	125,148	99,431	77,888	79,652
CT.	32,538	15,680	12,345	10,148	ND.	1,131	1,078	907	926
DE.	7,825	4,896	4,400	4,132	OH.	166,274	109,711	102,171	98,556
DC.	1	(NA)	(NA)	24	OK.	34,085	18,823	16,921	15,018
FL.	96,972	68,234	56,871	82,452	OR.	17,600	16,369	15,630	15,460
GA.	81,661	45,447	41,746	45,248	PA.	99,845	61,148	47,203	47,589
HI.	935	568	497	512	RI.	6,351	3,365	3,325	2,879
ID.	7,898	3,037	1,838	2,422	SC.	61,847	53,632	47,433	44,786
IL.	118,263	105,305	88,265	86,493	SD.	2,314	2,813	1,870	1,953
IN.	169,720	111,618	86,829	70,231	TN.	159,647	139,070	140,374	146,698
IA.	36,349	25,456	22,005	22,592	TX.	310,985	250,576	215,850	213,061
KS.	104,567	66,758	28,284	17,656	UT.	134,108	94,387	91,141	70,974
KY.	82,349	64,658	32,015	30,368	VT.	1,598	730	619	610
LA.	435,022	254,514	271,665	120,017	VA.	115,320	50,806	48,113	46,243
ME.	16,017	11,987	9,245	7,472	WA.	26,133	21,432	19,210	22,140
MD.	19,587	11,463	11,823	12,267	WV.	33,152	19,966	19,655	19,324
MA.	27,009	13,432	10,108	8,579	WI.	50,777	35,033	30,997	30,272
MI.	98,792	74,940	74,621	79,026	WY.	42,221	12,110	12,189	18,683
MN.	54,772	28,729	22,282	19,699	Am. Samoa	-	-	23	-
MS.	94,357	97,214	100,714	112,958	Puerto Rico	12,368	11,836	10,313	8,962
MO.	87,441	51,907	48,493	45,252	Virgin Island.	1,848	1,144	1,580	961

- Represents zero. NA Not available.

Source: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics, *1994 Toxics Release Inventory*, June 1996.

No. 388. Hazardous Waste Sites on the National Priority List, by State: 1996

[Includes both proposed and final sites listed on the National Priorities List for the Superfund program as authorized by the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and the Superfund Amendments and Reauthorization Act of 1986]

STATE	Total sites	Rank	Per cent distribution	Federal	Non-Federal	STATE	Total sites	Rank	Per cent distribution	Federal	Non-Federal
Total	1,259	(X)	(X)	158	1,101	Montana	9	41	0.72	-	9
United States.	1,245	(X)	100.00	156	1,089	Nebraska	10	38	0.80	1	9
Alabama	13	30	1.04	3	10	Nevada	1	49	0.08	-	1
Alaska	7	43	0.56	6	1	New Hampshire	18	19	1.45	1	17
Arizona	10	38	0.80	3	7	New Jersey	108	1	8.67	6	102
Arkansas	12	31	0.96	-	12	New Mexico	11	34	0.88	2	9
California	94	3	7.55	23	71	New York	79	4	6.35	4	75
Colorado	18	19	1.45	3	15	North Carolina	23	17	1.85	2	21
Connecticut	15	26	1.20	1	14	North Dakota	1	49	0.08	-	1
Delaware	18	19	1.45	1	17	Ohio	38	10	3.05	5	33
District of Columbia	-	(X)	-	-	-	Oklahoma	11	34	0.88	1	10
Florida	53	6	4.26	6	47	Oregon	11	34	0.88	2	9
Georgia	15	26	1.20	2	13	Pennsylvania	102	2	8.19	6	96
Hawaii	4	45	0.32	3	1	Rhode Island	12	31	0.96	2	10
Idaho	10	38	0.80	2	8	South Carolina	26	15	2.09	2	24
Illinois	40	9	3.21	4	36	South Dakota	3	46	0.24	1	2
Indiana	31	11	2.49	-	31	Tennessee	15	26	1.20	4	11
Iowa	17	23	1.37	1	16	Texas	27	14	2.17	4	23
Kansas	11	34	0.88	2	9	Utah	16	24	1.29	4	12
Kentucky	16	24	1.29	1	15	Vermont	8	42	0.64	-	8
Louisiana	18	19	1.45	1	17	Virginia	25	16	2.01	7	18
Maine	12	31	0.96	3	9	Washington	50	7	4.02	14	36
Maryland	15	26	1.20	5	10	West Virginia	7	43	0.56	2	5
Massachusetts	30	13	2.41	8	22	Wisconsin	41	8	3.29	-	41
Michigan	75	5	6.02	1	74	Wyoming	3	46	0.24	1	2
Minnesota	31	11	2.49	3	28	Guam	2	(X)	(X)	1	1
Mississippi	3	46	0.24	-	3	Puerto Rico	10	(X)	(X)	1	9
Missouri	22	18	1.77	3	19	Virgin Islands	2	(X)	(X)	-	2

- Represents zero. X Not applicable.

Source: U.S. Environmental Protection Agency, *Supplementary Materials: National Priorities List, Proposed Rule*, December 1996.

No. 389. Environmental Industry—Revenues and Employment, by Industry Segment: 1980 to 1996

[Covers approximately 59,000 private and public companies engaged in environmental activities]

INDUSTRY SEGMENT	REVENUE (bil. dol.)					EMPLOYMENT (1,000)				
	1980	1990	1994	1995	1996	1980	1990	1994	1995	1996
Industry total	52.0	146.4	172.5	180.0	184.3	462.5	1,174.3	1,274.0	1,299.6	1,306.1
Analytical services ¹	0.4	1.5	1.6	1.5	1.5	6.0	20.2	19.7	17.2	16.5
Water treatment works ²	9.2	19.8	25.7	27.3	28.6	53.9	95.0	113.7	118.2	120.9
Solid waste management ³	8.5	26.1	31.0	32.5	33.8	83.2	209.5	227.9	232.1	234.6
Hazardous waste management ⁴	0.6	6.3	6.4	6.2	6.0	6.8	56.9	53.3	52.5	51.2
Remediation/industrial services	0.4	8.5	8.6	8.5	8.6	6.9	107.2	100.0	96.6	95.3
Consulting & engineering	1.5	12.5	15.3	15.5	15.6	20.5	144.2	162.8	160.6	159.7
Water equipment & chemicals	6.3	13.5	15.6	16.5	17.4	62.4	97.9	116.4	119.8	123.3
Instrument manufacturing	0.2	2.0	2.9	3.0	3.2	2.5	18.8	24.8	25.9	26.6
Air pollution control equipment ⁵	3.0	10.7	11.7	11.9	11.8	28.3	82.7	83.3	84.8	82.6
Waste management equipment ⁶	4.0	10.4	11.2	11.7	12.1	41.9	88.8	88.2	93.8	94.9
Process & prevention technology	0.1	0.4	0.8	0.8	0.9	2.1	8.9	17.3	19.5	20.3
Water utilities ⁷	11.9	19.8	24.2	25.3	26.3	76.9	104.7	118.0	120.5	122.2
Resource recovery ⁸	4.4	13.1	15.4	16.9	16.3	48.7	118.4	124.2	132.0	131.3
Environmental energy sources ⁹	1.5	1.8	2.2	2.3	2.4	22.4	21.1	24.4	26.1	26.7

¹ Covers environmental laboratory testing and services. ² Mostly revenues collected by municipal entities. ³ Covers such activities as collection, transportation, transfer stations, disposal, landfill ownership and management for solid waste. ⁴ Transportation and disposal of hazardous, medical and nuclear waste. ⁵ Includes stationary and mobile sources. ⁶ Includes vehicles, containers, liners, processing and remediation equipment. ⁷ Revenues generated from the sale of water. ⁸ Revenues generated from the sale of recovered metals, paper, plastic, etc. ⁹ Includes solar, wind, geothermal and conservation devices.

Source: Environmental Business International, Inc., San Diego, CA, *Environmental Business Journal*, monthly (copyright).

No. 390. Pollution Abatement and Control Expenditures, in Current and Constant (1987) Dollars, 1973 to 1993, and by Media, 1993

[In millions of dollars]

YEAR	Total expenditures	POLLUTION ABATEMENT						Regulation and monitoring	Research and development	
		Total	Personal consumption	Business	Government					
					Total	Federal	State and local			Govt. enterprise ¹
CURRENT DOLLARS										
1973	19,404	18,011	1,867	12,261	3,883	203	1,433	2,246	490	903
1980	50,399	47,352	6,558	29,706	11,088	494	2,768	7,825	1,296	1,751
1985	71,169	68,268	11,991	42,058	14,220	1,225	4,558	8,137	1,279	1,621
1986	75,389	72,111	12,385	43,954	15,772	1,346	5,515	8,912	1,532	1,746
1987	77,649	74,349	11,075	45,432	17,842	1,237	6,266	10,339	1,519	1,781
1988	83,020	79,453	12,285	48,415	18,752	1,402	7,283	10,067	1,695	1,872
1989	87,622	83,774	10,950	52,429	20,395	1,379	8,705	10,312	1,803	2,044
1990	93,877	90,321	9,241	58,498	22,582	1,391	10,161	11,031	1,784	1,772
1991 ²	95,893	92,012	7,425	60,594	23,634	1,417	11,417	10,800	1,868	2,013
1992 ²	101,846	98,134	7,896	65,592	24,646	1,215	12,630	10,801	1,848	1,864
1993	109,044	105,386	8,458	69,983	26,945	1,068	14,583	11,295	1,924	1,734
Air	31,902	30,238	8,458	21,274	506	80	21	404	561	1,104
Water	39,015	37,984	-	25,932	12,052	567	595	10,890	789	243
Solid Waste	38,844	38,326	-	24,202	14,124	250	13,873	-	416	102
CONSTANT (1987) DOLLARS										
1973	49,683	46,166	4,543	31,997	9,626	539	3,723	5,364	1,190	2,327
1980	65,590	61,305	7,297	38,673	15,335	679	4,015	10,641	1,873	2,413
1985	72,813	69,773	11,935	42,833	15,005	1,300	5,200	8,505	1,361	1,678
1986	77,487	74,110	12,831	45,002	16,277	1,402	5,726	9,149	1,589	1,788
1987	77,649	74,349	11,075	45,432	17,842	1,237	6,266	10,339	1,519	1,781
1988	80,698	77,263	12,069	47,131	18,063	1,340	6,953	9,771	1,643	1,792
1989	81,802	78,266	10,445	48,901	18,920	1,271	7,982	9,667	1,657	1,879
1990	84,648	81,453	8,659	52,630	20,165	1,228	8,864	10,073	1,636	1,559
1991 ²	84,152	80,806	6,783	53,667	20,356	1,220	9,661	9,475	1,654	1,692
1992 ²	88,083	84,817	7,037	57,028	20,751	1,040	10,437	9,274	1,619	1,648
1993	91,826	88,731	7,356	59,299	22,077	902	11,691	9,484	1,656	1,438
Air	27,964	26,560	7,356	18,764	440	68	18	354	487	918
Water	33,503	32,612	-	22,463	10,150	480	541	9,129	690	201
Solid Waste	31,025	30,594	-	19,326	11,268	213	11,055	-	348	84

- Represents or rounds to zero. ¹ Fixed capital. ² Includes "other and unallocated" expenditures (such as for noise, radiation, and pesticide pollution and business expenditures not assigned to media) which may be either positive or negative; therefore, data may not add.

Source: U. S. Bureau of Economic Analysis, *Survey of Current Business*, May 1995.

No. 391. Threatened and Endangered Wildlife and Plant Species—Number: 1997

[As of March 31. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range. Threatened species: One likely to become endangered in the foreseeable future]

ITEM	Mammals	Birds	Rep-tiles	Amphib-ians	Fishes	Snails	Clams	Crusta-ceans	Insects	Arach-nids	Plants
Total listings	331	273	111	23	118	23	64	18	37	5	637
Endangered species, total	307	253	79	16	78	16	58	15	28	5	524
United States	55	75	15	8	67	15	56	15	24	5	523
Foreign	252	178	64	8	11	1	2	-	4	-	1
Threatened species, total.	24	20	32	7	40	7	6	3	9	-	113
United States	8	14	18	6	40	7	6	3	9	-	111
Foreign	16	6	14	1	-	-	-	-	-	-	2

- Represents zero. ¹ Species outside United States and outlying areas as determined by Fish and Wildlife Service. Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, quarterly.

No. 392. Major U.S. Weather Disasters: 1980 to 1997

[Covers only weather related disasters costing \$1 billion or more]

EVENT	Description	Time period	Esti-mated cost (bil. dol.)	Deaths
West Coast Flooding	Flooding from rains and snowmelt in CA, WA, OR, ID, NV, & MT.	Dec. 1996- Jan. 1997	\$2-\$3	36
Hurricane Fran	Category 3 hurricane in NC and VA.	Sept. 1996	\$5	36
Southern Plains Severe Drought	Drought in agricultural areas of TX & OK	Fall '95- summer '96	Over \$4	(NA)
Pacific Northwest Severe Flooding	Flooding from heavy rain & snowmelt in OR, WA, ID, and MT.	Feb. 1996	\$1	9
Blizzard of '96 Followed by Flooding	Heavy snowstorm followed by severe flooding in Appalachians, Mid-Atlantic, and Northeast.	Jan. 1996	\$3	187
Hurricane Opal	Category 3 hurricane in FL, AL, parts of GA, TN, & Carolinas.	Oct. 1995	Over \$3	27
Hurricane Marilyn	Category 2 hurricane in Virgin Islands	Sept. 1995	\$2.1	13
TX/OK/LA/MS Severe Weather and Flooding	Flooding, hail, & tornadoes across TX, OK, parts of LA, MS, Dallas & New Orleans hardest hit.	May 1995	\$5-\$6	32
California Flooding	Flooding from frequent winter storms across much of CA	Jan.-Mar. 1995	\$3	27
Texas Flooding	Flooding from torrential rain & thunderstorms across S.E. TX	Oct. 1994	\$1	19
Tropical Storm Alberto	Flooding due to 10 to 25 inch rain across GA, AL, part of FL	July 1994	\$1	32
Southeast Ice Storm	Intense ice storm in pts of TX, OK, AR, LA, MS, AL, TN, GA, SC, NC, & VA.	Feb. 1994	\$3	9
California Wildfires	Out-of-control wildfires over southern CA	Fall 1993	\$1	4
Midwest Flooding	Extreme flooding across central U.S.	Summer 1993	\$15-\$20	48
Drought/Heat Wave Storm/Blizzard	Extreme drought/heatwave across southeastern U.S.	Summer 1993	\$1	(NA)
North/easter of 1992	Storm/blizzard over eastern U.S.	Mar. 1993	\$3-\$6	270
Hurricane Iniki	Slow-moving storm batters northeast U.S. coast, New England	Dec. 1992	\$1-\$2	19
Hurricane Andrew	Category 4 hurricane hit Hawaiian island of Kauai	Sept. 1992	\$1.8	7
Oakland Firestorm	Category 4 hurricane hit FL & LA	Aug. 1992	\$27	58
Hurricane Bob	Oakland, CA firestorm due to low humidity & high winds.	Oct. 1991	\$1.5	25
Hurricane Hugo	Category 2 hurricane—mainly coastal NC, Long Island, & N. E.	Aug. 1991	\$1.5	18
Drought/Heat Wave	Category 4 hurricane hit Puerto Rico & Virgin Islands, devastatd NC & SC	Sept. 1989	Over \$9	86
Hurricane Juan	Drought/heatwave over central & eastern U.S.	Summer 1988	\$40	5,000-10,000
Hurricane Elena	Category 1 hurricane, flooding most severe problem, hit LA and southeast U.S.	Oct.-Nov. 1985	\$1.5	63
Florida Freeze	Category 3 hurricane across FL to LA	Aug.-Sept.1985	\$1.3	4
Hurricane Alicia	Severe freeze central/northern FL, damage to citrus industry	Dec. 1983	\$2	-
Drought/Heat Wave	Category 3 hurricane across TX	Aug. 1983	\$3	21
	Drought/heatwave over central & eastern U.S.	June-Sept.1980	\$20	10,000

- Represents zero. NA Not available or not reported.

Source: U.S. National Oceanic and Atmospheric Administration, National Climatic Data Center. "Billion Dollar U.S. Weather Disaster, 1980-1997," January 27, 1997. <<http://www.ncdd.noaa.gov/publications/billionz.html>>.

No. 393. Tornadoes, Floods, and Tropical Storms: 1985 to 1995

ITEM	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995, prel.
Tornadoes, number ¹	684	764	656	702	856	1,133	1,132	1,303	1,173	1,082	1,235
Lives lost, total	94	15	59	32	50	53	39	39	33	69	30
Most in a single tornado	18	3	30	5	21	29	13	10	7	22	6
Property loss of \$500,000 and over	69	75	38	48	60	91	64	108	72	83	63
Floods: Lives lost	304	80	82	29	81	147	63	87	101	72	103
Property loss (mil. dol.)	3,000	4,000	1,490	114	415	2,058	1,416	800	16,400	1,224	5,111
North Atlantic tropical storms and hurricanes:											
Number reaching U.S. coast	11	6	7	12	11	14	8	7	8	7	19
Hurricanes only	6	2	1	1	3	-	1	1	1	-	2
Lives lost in U.S.	30	9	-	6	56	10	17	26	9	38	29
Property loss (mil. (1990) dol.)	4,457	18	8	9	7,840	57	1,500	25,000	57	973	5,000

- Represents zero. ¹ A violent, rotating column of air descending from a cumulonimbus cloud in the form of a tubular- or funnel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles per hour. Also known as a "twister" or "waterspout." ² Source: National Hurricane Center, Coral Gables, FL, unpublished data. Tropical storms have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher. ³ Source: Hebert, Jarrell, & Mayfield, "The Deadliest, Costliest, and Most Intense U.S. Hurricanes of this Century," NOAA Technical Memo, NHC-31, February 1993.

Source: Except as noted, U.S. National Oceanic and Atmospheric Administration, *Storm Data*, monthly.

No. 394. Normal Daily Mean, Maximum, and Minimum Temperatures—Selected Cities

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1961 through 1990]

STATE	STATION	DAILY MEAN TEMPERATURE			DAILY MAXIMUM TEMPERATURE			DAILY MINIMUM TEMPERATURE		
		Jan.	July	Annual average	Jan.	July	Annual average	Jan.	July	Annual average
AL	Mobile	49.9	82.3	67.5	59.7	91.3	77.4	40.0	73.2	57.4
AK	Juneau	24.2	56.0	40.6	29.4	63.9	46.9	19.0	48.1	34.1
AZ	Phoenix	53.6	93.5	72.6	65.9	105.9	85.9	41.2	81.0	59.3
AR	Little Rock	39.1	81.9	61.8	49.0	92.4	72.5	29.1	71.5	51.0
CA	Los Angeles	56.8	69.1	63.0	65.7	75.3	70.4	47.8	62.8	55.5
	Sacramento	45.2	75.7	60.8	52.7	93.2	73.5	37.7	58.1	48.1
	San Diego	57.4	71.0	64.2	65.9	76.2	70.8	48.9	65.7	57.6
	San Francisco	48.7	62.7	57.1	55.6	71.6	65.2	41.8	53.9	49.0
CO	Denver	29.7	73.5	50.3	43.2	88.2	64.2	16.1	58.2	36.2
CT	Hartford	24.6	73.7	49.9	33.2	85.0	60.2	15.8	62.6	39.5
DE	Wilmington	30.6	76.4	54.2	38.7	85.6	63.6	22.4	67.1	44.8
DC	Washington	34.6	80.0	58.0	42.3	88.5	66.9	26.8	71.4	49.2
FL	Jacksonville	52.4	81.6	68.0	64.2	91.4	78.9	40.5	71.9	57.1
	Miami	67.2	82.6	75.9	75.2	89.0	82.8	59.2	76.2	69.0
GA	Atlanta	41.0	78.8	61.3	50.4	88.0	71.2	31.5	69.5	51.3
HI	Honolulu	72.9	80.5	77.2	80.1	87.5	84.4	65.6	73.5	70.0
ID	Boise	29.0	74.0	50.9	36.4	90.2	62.8	21.6	57.7	39.1
IL	Chicago	21.0	73.2	49.0	29.0	83.7	58.6	12.9	62.6	39.5
	Peoria	21.6	75.5	50.7	29.9	85.7	60.4	13.2	65.4	41.0
IN	Indianapolis	25.5	75.4	52.3	33.7	85.5	62.1	17.2	65.2	42.4
IA	Des Moines	19.4	76.6	49.9	28.1	86.7	59.8	10.7	66.5	40.0
KS	Wichita	29.5	81.4	56.2	39.8	92.8	67.4	19.2	69.9	45.0
KY	Louisville	31.7	77.2	56.1	40.3	87.0	66.0	23.2	67.3	46.0
LA	New Orleans	51.3	81.9	68.1	60.8	90.6	77.6	41.8	73.1	58.5
ME	Portland	20.8	68.6	45.4	30.3	78.2	54.9	11.4	58.3	35.8
MD	Baltimore	31.8	77.0	55.1	40.2	87.8	65.0	23.4	66.8	45.2
MA	Boston	28.6	73.5	51.3	35.7	81.8	59.0	21.6	65.1	43.6
MI	Detroit	22.9	72.3	48.6	30.3	83.3	58.1	15.6	61.3	39.0
	Sault Ste. Marie	12.9	63.8	39.7	21.1	76.3	49.6	4.6	51.3	29.8
MN	Duluth	7.0	66.1	38.5	16.2	77.1	47.9	-2.2	55.1	29.0
	Minneapolis-St. Paul	11.8	73.6	44.9	20.7	84.0	54.3	2.8	63.1	35.3
MS	Jackson	44.1	81.5	64.2	55.6	92.4	76.4	32.7	70.5	52.0
MO	Kansas City	25.7	78.5	53.6	34.7	88.7	63.6	16.7	68.2	43.7
	St. Louis	29.3	79.8	56.1	37.7	89.3	65.4	20.8	70.4	46.7
MT	Great Falls	21.2	68.2	44.8	30.6	83.3	56.4	11.6	53.2	33.1
NE	Omaha	21.1	76.9	50.6	31.3	87.9	61.5	10.9	65.9	39.5
NV	Reno	32.9	71.6	50.8	45.1	91.9	66.8	20.7	51.3	34.7
NH	Concord	18.6	69.5	45.1	29.8	82.4	57.0	7.4	56.5	33.1
NJ	Atlantic City	30.9	74.7	53.0	40.4	84.5	63.2	21.4	64.8	42.8
NM	Albuquerque	34.2	78.5	56.2	46.8	92.5	70.1	21.7	64.4	42.2
NY	Albany	20.6	71.8	47.4	30.2	84.0	58.1	11.0	59.6	36.6
	Buffalo	23.6	71.1	47.7	30.2	80.2	55.8	17.0	61.9	39.5
	New York	31.5	76.8	54.7	37.6	85.2	62.3	25.3	68.4	47.1
NC	Charlotte	39.3	79.3	60.1	49.0	88.9	70.4	29.6	69.6	49.7
	Raleigh	38.9	78.1	59.3	48.9	88.0	70.1	28.8	68.1	48.4
ND	Bismarck	9.2	70.4	41.6	20.2	84.4	53.8	-1.7	56.4	29.4
OH	Cincinnati	28.1	75.1	53.2	36.6	85.5	63.2	19.5	64.8	43.2
	Cleveland	24.8	71.9	49.6	31.9	82.4	58.7	17.6	61.4	40.5
	Columbus	26.4	73.2	51.4	34.1	83.7	61.2	18.5	62.7	41.6
OK	Oklahoma City	35.9	82.0	60.0	46.7	93.4	71.1	25.2	70.6	48.8
OR	Portland	39.6	68.2	53.6	45.4	79.9	62.6	33.7	56.5	44.5
PA	Philadelphia	30.4	76.7	54.3	37.9	86.1	63.4	22.8	67.2	45.1
	Pittsburgh	26.1	72.1	50.3	33.7	82.6	59.9	18.5	61.6	40.7
RI	Providence	27.9	72.7	50.4	36.6	82.1	59.8	19.1	63.2	41.0
SC	Columbia	43.8	80.8	63.1	55.3	91.6	75.1	32.1	70.0	50.9
SD	Sioux Falls	13.8	74.3	45.5	24.3	86.3	56.8	3.3	62.3	34.2
TN	Memphis	39.7	82.6	62.3	48.5	92.3	72.1	30.9	72.9	52.4
	Nashville	36.2	79.3	59.1	45.9	89.5	69.8	26.5	68.9	48.4
TX	Dallas-Fort Worth	43.4	85.3	65.4	54.1	96.5	76.3	32.7	74.1	54.6
	El Paso	42.8	82.3	63.2	56.1	96.1	77.5	29.4	68.4	49.0
	Houston	50.4	82.6	67.9	61.0	92.7	78.6	39.7	72.4	57.3
UT	Salt Lake City	27.9	77.9	52.0	36.4	92.2	63.6	19.3	63.7	40.3
VT	Burlington	16.3	70.5	44.6	25.1	81.2	54.0	7.5	59.7	35.2
VA	Norfolk	39.1	78.2	59.2	47.3	86.4	67.8	30.9	70.0	50.6
	Richmond	35.7	78.0	57.7	45.7	88.4	68.8	25.7	67.5	46.6
WA	Seattle-Tacoma	40.1	65.2	52.0	45.0	75.2	59.4	35.2	55.2	44.6
	Spokane	27.1	68.8	47.3	33.2	83.1	57.5	20.8	54.4	36.9
WV	Charleston	32.1	75.1	55.0	41.2	85.7	65.8	23.0	64.4	44.2
WI	Milwaukee	18.9	70.9	46.1	26.1	79.9	54.3	11.6	62.0	37.9
WY	Cheyenne	26.5	68.4	45.6	37.7	82.2	58.0	15.2	54.6	33.2
PR	San Juan	77.0	82.6	80.2	83.2	88.5	86.4	70.8	76.8	74.0

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

No. 395. Highest Temperature of Record—Selected Cities

[In Fahrenheit degrees. Airport data, except as noted. For period of record through 1995]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	54	84	82	90	94	100	102	104	102	99	93	87	81	104
AK	Juneau	51	57	57	59	72	82	86	90	83	72	61	56	54	90
AZ	Phoenix	58	88	92	100	105	113	122	121	116	118	107	93	88	122
AR	Little Rock	54	83	85	91	95	98	105	112	108	106	97	86	80	112
CA	Los Angeles	60	88	92	95	102	97	104	97	98	110	106	101	94	110
	Sacramento	45	70	76	88	93	105	115	114	109	108	101	87	72	115
	San Diego	55	88	90	93	98	96	101	95	98	111	107	97	88	111
	San Francisco	68	72	78	85	92	97	106	105	100	103	99	85	75	106
CO	Denver	61	73	76	84	90	96	104	104	101	97	89	79	75	104
CT	Hartford	41	65	73	87	96	97	100	102	101	99	91	81	74	102
DE	Wilmington	48	75	78	86	94	95	100	102	101	100	91	85	74	102
DC	Washington	54	79	82	89	95	99	101	104	103	101	94	86	75	104
FL	Jacksonville	54	85	88	91	95	100	103	105	102	100	96	88	84	105
	Miami	53	88	89	92	96	96	98	98	98	97	95	89	87	98
GA	Atlanta	47	79	80	89	93	95	101	105	102	98	95	84	79	105
HI	Honolulu	26	87	88	88	89	93	92	94	93	95	94	93	89	95
ID	Boise	56	63	71	81	92	98	109	111	110	102	94	74	65	111
IL	Chicago	37	65	71	88	91	93	104	104	101	99	91	78	71	104
	Peoria	56	70	72	86	92	93	105	103	103	100	90	81	71	105
IN	Indianapolis	56	71	74	85	89	93	102	104	102	100	90	81	74	104
IA	Des Moines	56	65	73	91	93	98	103	105	108	101	95	76	69	108
KS	Wichita	43	75	84	89	96	100	110	113	110	107	95	85	83	113
KY	Louisville	48	77	77	86	91	95	102	105	101	104	92	84	76	105
LA	New Orleans	49	83	85	89	92	96	100	101	102	101	92	87	84	102
ME	Portland	55	64	64	86	85	94	98	99	103	95	88	74	69	103
MD	Baltimore	45	75	79	87	94	98	101	104	105	100	92	83	77	105
MA	Boston	44	66	70	81	94	95	100	102	102	100	90	79	73	102
MI	Detroit	37	62	65	81	89	93	104	102	100	98	91	77	68	104
	Sault Ste. Marie	55	45	47	75	85	89	93	97	98	95	80	67	60	98
MN	Duluth	54	52	55	78	88	90	94	97	97	95	86	70	55	97
	Minneapolis-St. Paul	57	58	60	83	95	96	102	105	102	98	89	75	63	105
MS	Jackson	32	82	85	89	94	99	105	106	102	104	95	88	84	106
MO	Kansas City	23	69	77	86	93	92	105	107	109	102	92	82	70	109
	St. Louis	50	76	81	87	93	93	101	113	106	104	93	80	77	113
MT	Great Falls	58	67	70	78	89	93	101	105	106	98	91	76	69	106
NE	Omaha	59	69	78	89	97	99	105	114	110	104	96	80	72	114
NV	Reno	54	70	75	83	89	96	103	104	105	101	91	77	70	105
NH	Concord	54	68	66	85	95	97	98	102	101	98	90	80	68	102
NJ	Atlantic City	52	78	75	87	94	99	106	104	102	99	90	84	75	106
NM	Albuquerque	56	69	76	85	89	98	107	105	101	100	91	77	72	107
NY	Albany	49	65	67	86	92	94	99	100	99	100	89	82	71	100
	Buffalo	52	72	65	81	94	90	96	97	99	98	87	80	74	99
	New York	127	72	75	86	96	99	101	106	104	102	94	84	72	106
NC	Charlotte	56	78	81	90	93	100	103	103	103	104	98	85	77	104
	Raleigh	51	79	84	92	95	97	104	105	105	104	98	88	79	105
ND	Bismarck	56	62	69	81	93	98	107	109	109	105	95	75	65	109
OH	Cincinnati	34	69	73	84	89	93	102	103	102	98	88	81	75	103
	Cleveland	54	73	69	83	88	92	104	103	102	101	90	82	77	104
	Columbus	56	74	73	85	89	94	102	100	101	100	90	80	76	102
OK	Oklahoma City	42	80	84	93	100	104	105	109	110	102	96	87	86	110
OR	Portland	55	63	71	80	87	100	100	107	107	105	92	73	65	107
PA	Philadelphia	54	74	74	87	94	97	100	104	101	100	96	81	72	104
	Pittsburgh	43	69	69	82	89	91	98	103	100	97	87	82	74	103
RI	Providence	42	69	72	80	98	94	97	102	104	100	86	78	70	104
SC	Columbia	48	84	84	91	94	101	107	107	107	101	101	90	83	107
SD	Sioux Falls	50	66	70	87	94	100	110	108	108	104	94	76	61	110
TN	Memphis	54	78	81	85	94	99	104	108	105	103	95	85	81	108
	Nashville	56	78	84	86	91	97	106	107	104	105	94	84	79	107
TX	Dallas-Fort Worth	42	88	88	96	95	103	113	110	108	106	102	89	88	113
	El Paso	56	80	83	89	98	104	114	112	108	104	96	87	80	114
	Houston	26	84	91	91	95	97	103	104	107	102	96	89	85	107
UT	Salt Lake City	67	62	69	78	86	93	104	107	106	100	89	75	69	107
VT	Burlington	52	66	62	84	91	93	100	100	101	94	85	75	65	101
VA	Norfolk	47	78	81	88	97	100	101	103	104	99	95	86	80	104
	Richmond	66	80	83	93	96	100	104	105	102	103	99	86	80	105
WA	Seattle-Tacoma	51	64	70	75	85	93	96	100	99	98	89	74	64	100
	Spokane	48	59	63	71	90	96	101	103	108	98	86	67	56	108
WV	Charleston	48	79	78	89	94	93	98	104	101	102	92	85	80	104
WI	Milwaukee	55	62	65	82	91	93	101	103	103	98	89	77	63	103
WY	Cheyenne	60	66	71	74	83	90	100	100	96	95	83	73	69	100
PR	San Juan	41	92	96	96	97	96	97	95	97	97	98	96	94	98

¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 396. Lowest Temperature of Record—Selected Cities

[In Fahrenheit degrees. Airport data, except as noted. For period of record through 1995]

STATE	STATION	Length of record (yr.)	[In Fahrenheit degrees. Airport data, except as noted. For period of record through 1995]												Annual
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
AL	Mobile	54	3	11	21	32	43	49	60	59	42	30	22	8	3
AK	Juneau	51	-22	-22	-15	6	25	31	36	27	23	11	-5	-21	-22
AZ	Phoenix	58	17	22	25	32	40	50	61	60	47	34	25	22	17
AR	Little Rock	54	-4	-5	11	28	40	46	54	52	37	29	17	-1	-5
CA	Los Angeles	60	23	32	34	39	43	48	49	51	47	41	34	32	23
	Sacramento	45	23	23	26	32	36	41	48	49	43	36	26	18	18
	San Diego	55	29	36	39	41	48	51	55	57	51	43	38	34	29
	San Francisco	68	24	25	30	31	36	41	43	42	38	34	25	20	20
CO	Denver	61	-25	-30	-11	-2	22	30	43	41	17	3	-8	-25	-30
CT	Hartford	41	-26	-21	-6	9	28	37	44	44	36	30	17	1	-14
DE	Wilmington	48	-14	-6	2	18	30	41	48	43	36	24	14	-7	-14
DC	Washington	54	-5	4	11	24	34	47	54	49	39	29	16	1	-5
FL	Jacksonville	54	7	19	23	34	45	47	61	63	48	36	21	11	7
	Miami	53	30	32	32	46	53	60	69	68	68	51	39	30	30
GA	Atlanta	47	-8	5	10	26	37	46	53	55	36	28	3	-	-8
HI	Honolulu	26	53	53	55	57	60	65	66	67	66	61	57	54	53
ID	Boise	56	-17	-15	6	19	22	31	35	34	23	11	-3	-25	-25
IL	Chicago	37	-27	-17	-8	7	24	36	40	41	28	17	1	-25	-27
	Peoria	56	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
IN	Indianapolis	56	-27	-21	-7	16	28	37	44	41	28	17	-2	-23	-27
IA	Des Moines	56	-24	-20	-22	9	30	38	47	40	26	14	-4	-22	-24
KS	Wichita	43	-12	-21	-2	15	31	43	51	48	31	18	1	-16	-21
KY	Louisville	48	-22	-19	-1	22	31	42	50	46	33	23	-1	-15	-22
LA	New Orleans	49	14	19	25	32	41	50	60	60	42	35	24	11	11
ME	Portland	55	-26	-39	-21	8	23	33	40	33	23	15	3	-21	-39
MD	Baltimore	45	-7	-3	6	20	32	40	50	45	35	25	13	-	-7
MA	Boston	44	-12	-4	6	16	34	45	50	47	38	28	15	-7	-12
MI	Detroit	37	-21	-15	-4	10	25	36	41	38	29	17	9	-10	-21
	Sault Ste. Marie	55	-36	-35	-24	-2	18	26	36	29	25	16	-10	-31	-36
MN	Duluth	54	-39	-33	-29	-5	17	27	35	32	22	8	-23	-34	-39
	Minneapolis-St. Paul	57	-34	-28	-32	2	18	34	43	39	26	15	-17	-29	-34
MS	Jackson	32	2	11	15	27	38	47	51	55	35	26	17	4	2
MO	Kansas City	23	-17	-19	-10	12	30	42	52	43	31	17	1	-23	-23
	St. Louis	38	-18	-10	-5	22	31	43	51	47	36	23	1	-16	-18
MT	Great Falls	58	-37	-35	-29	-6	15	31	40	30	20	-11	-25	-43	-43
NE	Omaha	59	-23	-21	-16	5	27	38	44	43	25	13	-9	-23	-23
NV	Reno	54	-16	-16	-2	13	18	25	33	24	20	8	1	-16	-16
NH	Concord	54	-33	-37	-16	8	21	30	35	29	21	10	-5	-22	-37
NJ	Atlantic City	52	-10	-11	5	12	25	37	42	40	32	20	10	-7	-11
NM	Albuquerque	56	-17	-5	8	19	28	40	52	50	37	21	-7	-7	-17
NY	Albany	49	-28	-21	-21	10	26	36	40	34	24	16	5	-22	-28
	Buffalo	52	-16	-20	-7	12	26	35	43	38	32	20	9	-10	-20
	New York ¹	127	-6	-15	3	12	32	44	52	50	39	28	5	-13	-15
NC	Charlotte	56	-5	5	4	24	32	45	53	53	39	24	11	2	-5
	Raleigh	51	-9	5	11	23	31	38	48	46	37	19	11	4	-9
ND	Bismarck	56	-44	-43	-31	-12	15	30	35	33	11	-10	-30	-43	-44
OH	Cincinnati	34	-25	-11	-11	17	27	39	47	43	31	16	1	-20	-25
	Cleveland	54	-20	-15	-5	10	25	31	41	38	32	19	3	-15	-20
	Columbus	56	-22	-13	-6	14	25	35	43	39	31	20	5	-17	-22
OK	Oklahoma City	42	-4	-3	3	20	37	47	53	51	36	16	11	-8	-8
OR	Portland	55	-2	-3	19	29	29	39	43	44	34	26	13	6	-3
PA	Philadelphia	54	-7	-4	7	19	28	44	51	44	35	25	15	1	-7
	Pittsburgh	43	-22	-12	-1	14	26	34	42	39	31	16	-1	-12	-22
RI	Providence	42	-13	-7	1	14	29	41	48	40	33	20	6	-10	-13
SC	Columbia	48	-1	5	4	26	34	44	54	53	40	23	12	4	-1
SD	Sioux Falls	50	-36	-31	-23	5	17	33	38	34	22	9	-17	-28	-36
TN	Memphis	54	-4	-11	12	29	38	48	52	48	36	25	9	-13	-13
	Nashville	56	-17	-13	2	23	34	42	51	47	36	26	-1	-10	-17
TX	Dallas-Fort Worth	42	4	7	15	29	41	51	59	56	43	29	20	-1	-1
	El Paso	56	-8	8	14	23	31	46	57	56	41	25	1	5	-8
	Houston	26	12	20	22	31	44	52	62	60	48	29	19	7	7
UT	Salt Lake City	67	-22	-30	2	14	25	35	40	37	27	16	-14	-21	-30
VT	Burlington	52	-30	-30	-20	2	24	33	39	35	25	15	-2	-26	-30
VA	Norfolk	47	-3	8	18	28	36	45	54	49	45	27	20	7	-3
	Richmond	66	-12	-10	11	23	31	40	51	46	35	21	10	-1	-12
WA	Seattle-Tacoma	51	-	1	11	29	28	38	43	44	35	28	6	6	-
	Spokane	48	-22	-17	-7	17	24	33	37	35	24	10	-21	-25	-25
WV	Charleston	48	-16	-6	-	19	26	33	46	41	34	17	6	-12	-16
WI	Milwaukee	55	-26	-19	-10	12	21	33	40	44	28	18	-5	-20	-26
WY	Cheyenne	60	-29	-34	-21	-8	16	25	38	36	8	-1	-16	-28	-34
PR	San Juan	41	61	62	60	64	66	69	69	70	69	67	66	63	60

- Represents zero. ¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 397. Normal Monthly and Annual Precipitation—Selected Cities

[In inches. Airport data, except as noted. Based on standard 30-year period, 1961 through 1990]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	4.76	5.46	6.41	4.48	5.74	5.04	6.85	6.96	5.91	2.94	4.10	5.31	63.96
AK	Juneau	4.54	3.75	3.28	2.77	3.42	3.15	4.16	5.32	6.73	7.84	4.91	4.44	54.31
AZ	Phoenix	0.67	0.68	0.88	0.22	0.12	0.13	0.83	0.96	0.86	0.65	0.66	1.00	7.66
AR	Little Rock	3.42	3.61	4.91	5.49	5.17	3.57	3.60	3.26	4.05	3.75	5.20	4.83	50.86
CA	Los Angeles	2.40	2.51	1.98	0.72	0.14	0.03	0.01	0.15	0.31	0.34	1.76	1.66	12.01
	Sacramento	3.73	2.87	2.57	1.16	0.27	0.12	0.05	0.07	0.37	1.08	2.72	2.51	17.52
	San Diego	1.80	1.53	1.77	0.79	0.19	0.07	0.02	0.10	0.24	0.37	1.45	1.57	9.90
	San Francisco	4.35	3.17	3.06	1.37	0.19	0.11	0.03	0.05	0.20	1.22	2.86	3.09	19.70
CO	Denver	0.50	0.57	1.28	1.71	2.40	1.79	1.91	1.51	1.24	0.98	0.87	0.64	15.40
CT	Hartford	3.41	3.23	3.63	3.85	4.12	3.75	3.19	3.65	3.79	3.57	4.04	3.91	44.14
DC	Washington	3.03	2.91	3.43	3.39	3.84	3.55	4.23	3.40	3.43	2.88	3.27	3.48	40.84
DE	Washington	2.72	2.71	3.17	2.71	3.66	3.38	3.80	3.91	3.31	3.02	3.12	3.12	38.63
FL	Jacksonville	3.31	3.93	3.68	2.77	3.55	5.69	5.60	7.93	7.05	2.90	2.19	2.72	51.32
	Miami	2.01	2.08	2.39	2.85	6.21	9.33	5.70	7.58	7.63	5.64	2.66	1.83	55.91
GA	Atlanta	4.75	4.81	5.77	4.26	4.29	3.56	5.01	3.66	3.42	3.05	3.86	4.33	50.77
HI	Honolulu	3.55	2.21	2.20	1.54	1.13	0.50	0.59	0.44	0.78	2.28	3.00	3.80	22.02
ID	Boise	1.45	1.07	1.29	1.24	1.08	0.81	0.35	0.43	0.80	0.75	1.48	1.36	12.11
IL	Chicago	1.53	1.36	2.69	3.64	3.32	3.78	3.66	4.22	3.82	2.41	2.92	2.47	35.82
	Peoria	1.51	1.42	2.91	3.77	3.70	3.99	4.20	3.10	3.87	2.65	2.69	2.44	34.25
IN	Indianapolis	2.32	2.46	3.79	3.70	4.00	3.49	4.47	3.64	2.87	2.63	3.23	3.34	39.94
IA	Des Moines	0.96	1.11	2.33	3.36	3.66	4.46	3.78	4.20	3.53	2.62	1.79	1.32	33.12
KS	Wichita	0.79	0.96	2.43	2.38	3.81	4.31	3.13	3.02	3.49	2.22	1.59	1.20	29.33
KY	Louisville	2.86	3.30	4.66	4.23	4.62	3.46	5.51	3.54	3.16	2.71	3.70	3.64	44.39
LA	New Orleans	5.05	6.01	4.90	4.50	4.56	5.84	6.12	6.17	5.51	3.05	4.42	5.75	61.88
ME	Portland	3.53	3.33	3.67	4.08	3.62	3.44	3.09	2.87	3.09	3.90	5.17	4.55	44.34
MD	Baltimore	3.05	3.12	3.38	3.09	3.72	3.67	3.69	3.92	3.41	2.98	3.32	3.41	40.76
MA	Boston	3.59	3.62	3.69	3.60	3.25	3.09	2.84	3.24	3.06	3.30	4.22	4.01	41.51
MI	Detroit	1.76	1.74	2.55	2.95	2.92	3.61	3.18	3.43	2.89	2.10	2.67	2.82	32.62
	Sault Ste. Marie	2.42	1.74	2.30	2.35	2.71	3.14	2.71	3.61	3.69	3.23	3.45	2.88	34.23
MN	Duluth	1.22	0.80	1.91	2.25	3.03	3.82	3.61	3.99	3.84	2.49	1.80	1.24	30.00
	Minneapolis-St. Paul	0.95	0.88	1.94	2.42	3.39	4.05	3.53	3.62	2.72	2.19	1.55	1.08	28.32
MS	Jackson	5.24	4.70	5.82	5.57	5.05	3.18	4.51	3.77	3.55	3.26	4.81	5.91	55.37
MO	Kansas City	1.09	1.10	2.51	3.12	5.04	4.72	4.38	4.01	4.86	3.29	1.92	1.58	37.62
	St. Louis	1.81	2.12	3.58	3.50	3.97	3.72	3.85	2.85	3.12	2.68	3.28	3.03	37.51
MT	Great Falls	0.91	0.57	1.10	1.41	2.52	2.39	1.24	1.54	1.24	0.78	0.66	0.85	15.21
NE	Omaha	0.74	0.77	2.04	2.66	4.52	3.87	3.51	3.24	3.72	2.28	1.49	1.02	29.86
NE	Reno	1.07	0.99	0.71	0.38	0.69	0.46	0.28	0.32	0.39	0.38	0.87	0.99	7.53
NH	Concord	2.51	2.53	2.72	2.91	3.14	3.15	3.23	3.32	2.81	3.23	3.66	3.16	36.37
NJ	Atlantic City	3.46	3.06	3.62	3.56	3.33	2.64	3.83	4.14	2.93	2.82	3.58	3.32	40.29
NM	Albuquerque	0.44	0.46	0.54	0.52	0.50	0.59	1.37	1.64	1.00	0.89	0.43	0.50	8.88
NY	Albany	2.36	2.27	2.93	2.99	3.41	3.62	3.18	3.47	2.95	2.83	3.23	2.93	36.17
	Buffalo	2.70	2.31	2.68	2.87	3.14	3.55	3.08	4.17	3.49	3.09	3.83	3.67	38.58
	New York ¹	3.42	3.27	4.08	4.20	4.42	3.67	4.35	4.01	3.89	3.56	4.47	3.91	47.25
NC	Charlotte	3.71	3.84	4.43	2.68	3.82	3.39	3.92	3.73	3.50	3.36	3.23	3.48	43.09
	Raleigh	3.48	3.69	3.77	2.59	3.92	3.68	4.01	3.02	3.19	2.86	2.98	3.24	41.43
ND	Bismarck	0.45	0.43	0.77	1.67	2.18	2.72	2.14	1.72	1.49	0.90	0.49	0.51	15.47
OH	Cincinnati	2.59	2.69	4.24	3.75	4.28	3.84	4.24	3.35	2.88	2.86	3.46	3.15	41.33
	Cleveland	2.04	2.19	2.91	3.14	3.49	3.70	3.52	3.40	3.44	2.54	3.17	3.09	36.63
	Columbus	2.18	2.24	3.27	3.21	3.93	4.04	4.31	3.72	2.96	2.15	3.22	2.86	38.09
OK	Oklahoma City	1.13	1.56	2.71	2.77	5.22	4.31	2.61	2.60	3.84	3.23	1.98	1.40	33.36
OR	Portland	5.35	3.85	3.56	2.39	2.06	1.48	0.63	1.09	1.75	2.67	5.34	6.13	36.30
PA	Philadelphia	3.21	2.79	3.46	3.62	3.75	3.74	4.28	3.80	3.42	2.62	3.34	3.38	41.41
	Pittsburgh	2.54	2.39	3.41	3.15	3.59	3.71	3.75	3.21	2.97	2.36	2.85	2.92	36.85
RI	Providence	3.88	3.61	4.05	4.11	3.76	3.33	3.18	3.63	3.48	3.69	4.43	4.38	45.53
SC	Columbia	4.42	4.12	4.82	3.28	3.68	4.80	5.50	6.09	3.67	3.04	2.90	3.59	49.91
SD	Sioux Falls	0.51	0.64	1.64	2.52	3.03	3.40	2.68	2.85	3.02	1.78	1.09	0.70	23.86
TN	Memphis	3.73	4.35	5.41	5.46	4.98	3.57	3.79	3.43	3.53	3.01	5.10	5.74	52.10
	Nashville	3.58	3.81	4.85	4.37	4.88	3.57	3.97	3.46	3.46	2.62	4.12	4.61	47.30
TX	Dallas-Fort Worth	1.83	2.18	2.77	3.50	4.88	2.98	2.31	2.21	3.39	3.52	2.29	1.84	33.70
	El Paso	0.40	0.41	0.29	0.20	0.25	0.67	1.54	1.58	1.70	0.76	0.44	0.57	8.81
	Houston	3.29	2.96	2.92	3.21	5.24	4.96	3.60	3.49	4.89	4.27	3.79	3.45	46.07
UT	Salt Lake City	1.11	1.23	1.91	2.12	1.80	0.93	0.81	0.86	1.28	1.44	1.29	1.40	16.18
VT	Burlington	1.82	1.63	2.23	2.76	3.12	3.47	3.65	4.06	3.30	2.88	3.13	2.42	34.47
VA	Norfolk	3.78	3.47	3.70	3.06	3.81	3.82	5.06	4.81	3.90	3.15	2.85	3.23	44.64
	Richmond	3.24	3.16	3.61	2.96	3.84	3.62	5.03	4.40	3.34	3.53	3.17	3.26	43.16
WA	Seattle-Tacoma	5.38	3.99	3.54	2.33	1.70	1.50	0.76	1.14	1.88	3.23	5.83	5.91	37.19
	Spokane	1.98	1.49	1.49	1.18	1.41	1.26	0.67	0.72	0.73	0.99	2.15	2.42	16.49
WV	Charleston	2.91	3.04	3.63	3.31	3.94	3.59	4.99	4.01	3.24	2.89	3.59	3.39	42.53
WI	Milwaukee	1.60	1.45	2.67	3.50	2.84	3.24	3.47	3.53	3.38	2.41	2.51	2.33	32.93
WY	Cheyenne	0.40	0.39	1.03	1.37	2.39	2.08	2.09	1.69	1.27	0.74	0.53	0.42	14.40
PR	San Juan	2.81	2.15	2.35	3.76	5.93	4.00	4.37	5.32	5.28	5.71	5.94	4.72	52.34

¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81.

No. 398. Average Number of Days With Precipitation of .01 Inch or More—
Selected Cities

[Airport data, except as noted. For period of record through 1995, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	54	11	10	10	7	9	11	16	14	10	6	8	10	122
AK	Juneau	51	18	17	18	17	17	15	17	17	20	24	20	21	222
AZ	Phoenix	56	4	4	4	2	1	1	4	5	3	3	3	4	36
AR	Little Rock	53	10	9	10	10	10	8	8	7	7	7	8	9	105
CA	Los Angeles	60	6	6	6	3	1	1	1	(Z)	1	2	3	5	35
	Sacramento	56	10	9	9	5	3	1	(Z)	(Z)	1	3	7	9	58
	San Diego	55	7	6	7	4	2	1	(Z)	1	1	2	4	6	42
	San Francisco	68	11	10	10	6	3	1	(Z)	(Z)	1	4	7	10	62
CO	Denver	61	6	6	9	9	11	9	9	9	6	5	6	5	89
CT	Hartford	41	11	10	12	11	12	11	10	10	9	9	11	12	127
DE	Wilmington	48	11	9	11	11	11	10	9	9	8	8	9	10	116
DC	Washington	54	10	9	11	10	11	9	10	9	8	7	9	9	112
FL	Jacksonville	54	8	8	8	6	8	12	15	14	13	9	7	8	116
	Miami	53	7	6	6	6	10	15	16	17	17	14	9	6	130
GA	Atlanta	61	11	10	11	9	9	10	12	10	8	7	9	10	115
HI	Honolulu	46	9	9	9	9	7	6	7	6	7	9	9	10	98
ID	Boise	56	12	10	10	8	8	6	2	3	4	6	10	11	90
IL	Chicago	37	11	9	12	13	11	10	10	9	9	9	11	11	126
	Peoria	56	9	8	11	12	11	10	9	8	9	8	9	10	114
IN	Indianapolis	56	12	10	13	12	12	10	10	9	8	8	11	12	126
IA	Des Moines	56	8	7	10	11	11	11	9	9	9	8	7	8	108
KS	Wichita	42	6	5	8	8	11	9	8	8	8	6	5	6	86
KY	Louisville	48	11	11	13	12	12	10	10	8	8	8	10	11	124
LA	New Orleans	47	10	9	9	7	8	11	14	13	10	6	7	10	114
ME	Portland	55	11	10	11	12	12	11	10	9	9	9	12	12	129
MD	Baltimore	45	11	9	11	11	11	9	9	9	8	8	9	9	114
MA	Boston	44	12	11	12	11	11	11	9	10	9	9	11	12	127
MI	Detroit	37	13	11	13	13	11	10	10	10	10	10	12	14	136
	Sault Ste. Marie	54	19	15	13	11	11	11	10	11	13	14	17	19	166
MN	Duluth	54	12	10	11	11	12	13	11	11	12	10	11	12	135
	Minneapolis-St. Paul	57	9	7	10	10	11	12	10	10	10	8	8	9	115
MS	Jackson	32	11	9	10	8	9	8	10	10	8	7	8	10	109
MO	Kansas City	23	7	7	10	11	12	10	9	9	8	7	8	8	106
	St. Louis	38	9	8	11	11	11	9	9	8	8	8	9	9	111
MT	Great Falls	58	9	8	9	9	12	12	8	8	7	6	7	8	101
NE	Omaha	59	6	7	9	10	12	11	9	9	8	6	6	7	99
NV	Reno	53	6	6	6	4	4	3	2	2	2	3	5	6	51
NH	Concord	54	11	10	11	12	12	11	10	10	9	9	11	11	126
NJ	Atlantic City	52	11	10	11	11	10	9	9	9	8	7	9	10	112
NM	Albuquerque	56	4	4	5	3	5	4	9	10	6	5	3	4	61
NY	Albany	49	12	11	12	12	13	11	10	10	10	9	12	12	134
	Buffalo	52	20	17	16	14	12	10	10	10	11	12	16	19	169
	New York ¹	126	11	10	11	11	11	10	11	10	8	8	9	10	121
NC	Charlotte	56	10	10	11	9	10	10	11	10	7	7	8	10	111
	Raleigh	51	10	10	10	9	10	9	11	10	8	7	8	9	112
ND	Bismarck	56	8	7	8	8	10	11	9	8	7	6	6	8	96
OH	Cincinnati	48	12	11	13	13	12	11	10	9	8	11	11	12	130
	Cleveland	54	16	14	15	14	13	11	10	10	10	11	14	16	155
	Columbus	56	13	11	14	13	13	11	11	9	8	9	12	13	137
OK	Oklahoma City	56	6	6	7	8	10	9	6	6	7	6	5	6	83
OR	Portland	55	18	16	17	14	12	9	4	5	7	12	18	19	151
PA	Philadelphia	55	11	9	11	11	11	10	9	9	8	8	9	10	116
	Pittsburgh	43	16	14	16	14	13	12	11	10	10	10	13	16	153
RI	Providence	42	11	10	12	11	11	11	9	9	8	9	11	12	124
SC	Columbia	48	10	10	10	8	9	10	12	11	8	6	7	9	110
SD	Sioux Falls	50	6	7	9	10	11	11	10	9	8	6	6	6	98
TN	Memphis	45	10	9	11	10	10	9	10	9	7	7	6	9	107
	Nashville	54	11	11	12	11	11	9	10	9	8	7	9	11	119
TX	Dallas-Fort Worth	42	7	7	7	8	9	6	5	5	7	6	6	7	79
	El Paso	56	4	3	2	2	2	3	8	8	5	4	3	4	49
	Houston	26	11	9	9	7	9	9	9	9	9	7	8	9	106
UT	Salt Lake City	67	10	9	10	10	8	5	5	6	5	6	8	9	91
VT	Burlington	52	14	12	13	12	14	12	12	13	12	12	14	15	154
VA	Norfolk	47	11	10	11	10	10	9	11	10	8	7	8	9	115
	Richmond	58	10	9	11	9	11	9	11	10	8	9	8	9	113
WA	Seattle-Tacoma	48	18	16	17	14	10	9	5	6	6	13	18	19	154
	Spokane	51	14	11	11	9	9	8	5	5	6	7	13	15	112
WV	Charleston	48	15	14	15	14	13	11	13	11	10	10	12	14	151
WI	Milwaukee	55	11	10	12	12	11	11	10	9	9	9	11	11	125
WY	Cheyenne	60	6	6	9	10	12	11	11	10	8	6	6	6	101
PR	San Juan	40	17	13	12	13	16	15	19	18	17	17	18	19	196

Z Less than 1/2 day. ¹ City office data.

No. 399. Snow and Ice Pellets—Selected Cities

[In inches. Airport data, except as noted. For period of record through 1995. T denotes trace]

STATE	STATION	Length of record (yr)	Monthly												Annual
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
AL	Mobile	54	0.1	0.1	0.1	T	T	-	T	-	-	-	T	0.1	0.4
AK	Juneau	51	26.3	19.1	15.3	3.4	T	-	T	-	-	T	1	12.9	22.7
AZ	Phoenix	58	T	-	T	T	-	-	-	-	-	T	T	-	T
AR	Little Rock	53	2.4	1.4	0.5	T	-	-	-	-	-	T	0.2	0.6	5.1
CA	Los Angeles	60	T	T	T	-	-	-	-	-	-	-	-	T	T
	Sacramento	47	T	-	T	-	T	-	-	-	-	-	-	T	T
	San Diego	55	T	-	T	-	-	-	-	-	-	-	-	T	T
	San Francisco	68	-	T	T	-	-	-	-	-	-	-	-	T	T
CO	Denver	61	8.1	7.5	12.5	8.9	1.6	-	T	-	T	1.6	3.7	9.1	7.3
CT	Hartford	41	12.3	11.8	9.8	1.5	-	-	-	-	-	-	0.1	2.1	10.3
DE	Wilmington	48	6.4	6.1	3.3	0.2	T	T	T	-	-	-	0.1	0.9	3.3
DC	Washington	52	5.3	5.2	2.1	-	T	-	T	T	-	-	-	0.8	3
FL	Jacksonville	54	T	-	-	-	-	-	-	-	-	-	-	-	T
	Miami	53	-	-	-	-	-	-	-	-	-	-	-	-	-
GA	Atlanta	61	0.9	0.5	0.4	T	-	-	-	-	-	T	-	0.2	2.0
HI	Honolulu	49	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise	56	6.6	3.6	1.6	0.6	0.1	T	T	T	-	0.1	2.3	5.8	20.7
IL	Chicago	37	10.8	8.4	6.7	1.6	0.1	T	T	T	T	T	0.4	1.9	8.3
	Peoria	52	6.6	5.5	4.0	0.8	-	-	-	-	T	0.1	2.0	5.8	24.8
IN	Indianapolis	64	6.3	5.8	3.3	0.5	-	-	T	T	-	0.2	1.8	5.0	22.9
IA	Des Moines	56	8.1	7.2	6.1	1.8	-	-	-	-	T	0.3	3.1	6.7	33.3
KS	Wichita	42	4.4	4.2	2.5	0.2	T	T	T	T	-	-	1.2	3.2	15.7
KY	Louisville	48	5.2	4.4	3.2	0.1	T	T	-	-	-	0.1	1	2.1	16.1
LA	New Orleans	49	-	0.1	T	T	T	-	-	-	-	-	-	T	0.1
ME	Portland	55	19.3	17.3	12.8	3.0	0.2	-	-	-	-	T	0.2	3.0	15.0
MD	Baltimore	45	5.7	6.5	3.7	0.1	T	-	T	-	-	-	1.0	3.4	20.4
MA	Boston	60	12.3	11.7	7.9	0.9	-	-	-	-	T	-	1.3	7.6	41.7
MI	Detroit	37	10.5	9.2	6.8	1.7	T	-	-	-	-	T	0.2	2.9	10.0
	Sault Ste. Marie	54	28.7	18.4	14.8	5.7	0.5	T	T	T	0.1	2.4	15.7	30.8	117.1
MN	Duluth	52	17.1	11.3	13.4	6.7	0.7	-	T	T	0.1	1.5	12.7	15.4	78.9
	Minneapolis-St. Paul	57	9.9	8.4	10.5	2.8	0.1	T	T	T	-	0.5	7.9	9.4	49.5
MS	Jackson	32	0.5	0.2	0.2	-	-	-	-	-	-	-	-	-	0.9
MO	Kansas City	61	5.6	4.5	3.5	0.8	T	T	T	-	-	-	1.1	4.4	19.9
	St. Louis	59	5.2	4.6	4.1	0.4	-	-	-	-	-	-	T	1.4	3.8
MT	Great Falls	58	9.6	8.3	10.3	7.3	1.7	0.3	T	0.1	1.5	3.4	7.5	8.4	58.4
NE	Omaha	60	7.3	6.6	6.3	1	0.1	T	T	-	-	T	0.3	2.6	5.6
NV	Reno	53	5.9	5.2	4.3	1.2	0.8	-	-	-	-	0.3	2.4	4.3	24.4
NH	Concord	54	17.9	14.6	11.0	2.3	0.1	T	T	-	T	0.1	3.9	13.6	63.5
NJ	Atlantic City	51	5.0	5.3	2.5	0.3	T	T	-	-	-	-	0.4	2.2	15.7
NM	Albuquerque	56	2.5	2.1	1.8	0.6	T	-	T	T	-	0.1	1.2	2.5	10.8
NY	Albany	49	16.3	14.4	11.1	2.6	0.1	T	T	T	-	0.2	4.2	14.9	63.8
	Buffalo	52	23.5	18.6	11.5	3.2	0.2	T	T	T	0.1	1.3	11.3	23.2	91.8
	New York ¹	127	7.5	8.6	5.0	0.9	T	-	-	-	-	-	0.9	5.4	28.3
NC	Charlotte	56	2.0	1.6	1.2	-	T	-	-	-	-	T	0.1	0.5	5.4
	Raleigh	51	2.2	2.5	1.3	-	-	-	-	-	-	-	0.1	0.8	6.9
ND	Bismarck	56	7.4	6.8	8.4	3.8	0.9	T	T	T	0.2	1.7	6.5	7.0	42.7
OH	Cincinnati	48	7.0	5.5	4.3	0.5	-	T	T	-	-	0.3	2.0	3.8	23.4
	Cleveland	54	13.0	12.3	10.4	2.3	0.1	T	T	-	-	0.6	5.0	12.0	55.7
	Columbus	48	8.5	6.2	4.5	0.9	-	T	T	-	-	0.1	2.2	5.5	27.9
OK	Oklahoma City	56	3.0	2.4	1.5	-	T	T	-	-	-	-	0.5	1.8	9.2
OR	Portland	55	3.2	1.1	0.4	T	-	T	-	T	-	-	0.4	1.4	6.5
PA	Philadelphia	53	6.2	6.6	3.7	0.3	T	T	-	-	-	-	0.7	3.3	20.8
	Pittsburgh	43	11.6	9.3	8.7	1.7	0.1	T	T	T	-	0.4	3.5	8.2	43.5
RI	Providence	42	9.5	10.0	7.5	0.7	0.2	-	-	-	-	0.1	1.1	6.8	35.9
SC	Columbia	48	0.4	0.8	0.2	T	-	-	-	-	-	-	T	0.3	1.7
SD	Sioux Falls	50	6.5	8.1	9.4	2.7	-	-	T	T	-	0.8	5.5	7.1	40.1
TN	Memphis	45	2.2	1.4	0.8	T	T	T	-	-	-	-	0.1	0.6	5.1
	Nashville	54	3.7	3.0	1.4	-	-	T	-	-	-	-	0.4	1.4	9.9
TX	Dallas-Fort Worth	42	1.1	0.9	0.2	T	T	-	-	-	-	T	0.1	0.2	2.5
	El Paso	56	1.3	0.8	0.4	0.3	T	T	T	-	-	T	0.9	1.6	5.3
	Houston	61	0.2	0.2	0.0	T	-	T	T	-	-	-	T	-	0.4
UT	Salt Lake City	67	13.4	9.5	9.3	4.9	0.6	T	T	T	0.1	1.2	6.9	11.8	57.7
VT	Burlington	52	19.0	17.0	12.7	3.9	0.2	-	-	-	-	0.2	6.6	18.4	78.0
VA	Norfolk	47	2.7	2.8	1.0	-	T	T	-	-	-	-	-	0.9	7.4
	Richmond	58	4.8	4.0	2.4	0.1	T	-	-	-	-	T	0.4	2.0	13.7
WA	Seattle-Tacoma	51	4.8	1.6	1.3	0.1	T	-	-	-	-	-	1.1	2.4	11.3
	Spokane	48	15.6	7.6	3.9	0.6	0.1	T	-	-	-	0.4	6.4	14.9	49.5
WV	Charleston	48	10.6	8.6	5.1	0.9	-	T	T	-	-	0.2	2.4	5.3	33.1
WI	Milwaukee	55	13.1	10.0	8.6	1.7	0.1	T	T	T	-	0.2	3.2	10.3	47.2
WY	Cheyenne	60	6.5	6.4	11.9	9.0	3.3	0.2	-	-	0.9	3.7	7.3	6.2	55.4
PR	San Juan	40	-	-	-	-	-	-	-	-	-	-	-	-	-

- Represents zero or rounds to zero. ¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

No. 400. Sunshine, Average Wind Speed, Heating and Cooling Degree Days, and Average Relative Humidity—Selected Cities

[Airport data, except as noted. For period of record through 1994, except as noted. M=morning. A=afternoon]

STATE	STATION	AVERAGE PERCENTAGE OF POSSIBLE SUNSHINE ¹		AVERAGE WIND SPEED (m.p.h.)				Heating degree days	Cooling degree days	AVERAGE RELATIVE HUMIDITY (percent)						
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July			Length of record (yr.)	Annual		Jan.		July	
											M	A	M	A	M	A
AL	Mobile	46	60	46	8.9	10.3	6.9	1,702	2,627	32	87	57	82	61	90	60
AK	Juneau	44	23	49	8.3	8.2	7.5	8,897	-	28	84	73	81	78	83	70
AZ	Phoenix	57	81	49	6.2	5.3	7.1	1,350	4,162	34	51	23	66	32	44	20
AR	Little Rock	35	60	52	7.8	8.4	6.7	3,155	2,005	34	84	58	80	62	88	56
CA	Los Angeles	59	72	46	7.5	6.7	7.9	1,458	727	35	79	64	70	59	86	68
	Sacramento	46	73	44	7.9	7.2	9.0	2,749	1,237	34	83	46	90	70	77	28
	San Diego	54	72	54	7.0	5.9	7.5	1,256	984	34	77	62	71	56	82	66
	San Francisco	67	72	67	10.6	7.2	13.6	3,016	145	35	84	62	86	66	86	59
CO	Denver	60	67	46	8.6	8.6	8.3	6,020	679	34	68	40	64	49	69	34
CT	Hartford	40	52	40	8.5	9.0	7.3	6,151	677	35	77	52	71	56	79	51
DE	Wilmington	47	55	46	9.0	9.8	7.8	4,937	1,046	47	78	55	75	60	79	54
DC	Washington	46	55	46	9.4	10.0	8.3	4,047	1,549	34	74	53	70	55	76	53
FL	Jacksonville	46	61	45	7.9	8.2	7.0	1,434	2,551	58	88	56	87	58	88	58
	Miami	45	68	45	9.3	9.6	8.0	200	4,198	30	84	61	84	59	84	63
GA	Atlanta	60	59	56	9.1	10.4	7.6	2,991	1,667	34	82	56	78	59	88	60
HI	Honolulu	45	74	45	11.3	9.5	13.1	-	4,474	25	72	55	81	61	67	51
ID	Boise	55	58	55	8.7	8.0	8.4	5,861	754	55	69	43	81	71	54	21
IL	Chicago	36	52	36	10.4	11.7	8.3	6,536	752	36	80	60	77	68	82	57
	Peoria	51	53	51	10.0	11.1	7.8	6,148	982	35	83	62	79	69	87	59
IN	Indianapolis	63	51	46	9.6	10.9	7.5	5,615	1,014	35	84	62	81	70	87	60
IA	Des Moines	45	55	45	10.7	11.5	8.9	6,497	1,036	33	80	60	76	67	82	58
KS	Wichita	39	62	41	12.3	12.1	11.4	4,791	1,628	41	80	56	79	63	79	49
KY	Louisville	47	53	47	8.3	9.5	6.8	4,514	1,288	34	81	58	77	64	85	58
LA	New Orleans	46	60	46	8.2	9.3	6.1	1,513	2,655	46	88	63	85	66	91	66
ME	Portland	54	55	54	8.8	9.1	7.6	3,378	268	54	79	59	76	60	80	59
MD	Baltimore	44	58	44	9.1	9.7	7.9	4,707	1,137	41	77	54	72	57	80	53
MA	Boston	59	55	37	12.5	13.8	10.9	5,641	678	30	72	58	67	57	74	56
MI	Detroit	36	50	36	10.4	12.0	8.6	6,569	626	36	81	60	80	69	82	54
	Sault Ste. Marie	53	43	53	9.2	9.7	7.8	9,316	131	53	85	67	81	74	89	62
MN	Duluth	46	49	45	11.0	11.6	9.4	9,818	180	33	91	63	77	70	85	59
	Minneapolis-St. Paul	56	54	56	10.5	10.5	9.4	7,981	682	35	79	60	74	67	94	60
MS	Jackson	30	59	31	7.3	8.4	5.8	2,467	2,215	31	91	58	87	65	94	60
MO	Kansas City	22	59	22	10.8	11.4	9.4	5,393	1,288	22	81	60	77	64	85	58
	St. Louis	46	55	45	9.7	10.6	8.0	4,758	1,534	34	83	59	81	66	84	56
MT	Great Falls	57	51	53	12.7	15.2	10.0	7,741	388	33	67	45	67	61	67	30
NE	Omaha	49	59	58	10.5	10.9	8.9	6,300	1,072	30	82	59	78	65	85	58
NV	Reno	52	69	52	6.6	5.6	7.1	5,674	508	31	70	31	79	50	62	18
NH	Concord	53	55	52	6.8	7.3	5.7	7,554	328	29	81	54	75	58	84	51
NJ	Atlantic City	36	56	36	9.9	10.9	8.4	5,169	826	30	82	56	78	58	83	57
NM	Albuquerque	55	76	55	8.9	8.0	9.0	4,425	1,244	34	60	29	70	40	60	27
NY	Albany	56	49	56	8.9	9.8	7.5	6,894	507	29	80	57	77	63	81	55
	Buffalo	51	43	55	11.9	14.2	10.3	6,747	477	34	80	62	79	72	78	55
	New York ³	42	64	58	9.4	10.7	7.6	4,805	1,096	61	72	56	68	60	75	55
NC	Charlotte	46	58	45	7.4	7.8	6.6	3,341	1,582	34	82	53	78	55	86	56
	Raleigh	46	59	45	7.8	8.5	6.7	3,457	1,417	30	85	54	79	55	89	58
ND	Bismarck	55	55	55	10.2	10.0	9.2	8,968	488	35	80	57	75	69	84	47
OH	Cincinnati	43	49	47	9.0	10.6	7.2	5,248	996	32	82	60	79	68	85	57
	Cleveland	53	45	53	10.5	12.2	8.6	6,201	621	34	79	62	78	69	81	57
	Columbus	45	48	45	8.3	9.9	6.6	5,708	797	35	80	59	77	67	84	56
OK	Oklahoma City	44	64	46	12.3	12.6	10.9	3,659	1,859	29	80	55	78	59	80	50
OR	Portland	46	39	46	7.9	9.9	7.6	4,522	371	54	86	59	86	75	82	45
PA	Philadelphia	54	56	54	9.5	10.3	8.2	4,954	1,101	35	76	55	73	59	79	54
	Pittsburgh	42	44	42	9.1	10.6	7.3	5,968	654	34	79	58	76	66	83	54
RI	Providence	41	55	41	10.5	11.1	9.4	5,884	606	31	75	55	71	56	77	56
SC	Columbia	47	60	46	6.9	7.2	6.3	2,649	1,966	28	87	51	82	54	89	54
SD	Sioux Falls	49	57	46	11.1	11.0	9.8	7,809	744	31	82	60	77	68	83	54
TN	Memphis	42	59	46	8.9	10.0	7.5	3,082	2,118	55	81	57	78	63	84	57
	Nashville	53	57	53	8.0	9.1	6.5	3,279	1,616	29	84	57	80	63	89	57
TX	Dallas-Fort Worth	41	64	41	10.7	10.9	9.8	2,407	2,603	31	82	56	80	61	81	49
	El Paso	52	80	52	8.8	8.3	8.3	2,708	2,094	34	57	28	66	35	62	29
	Houston	25	56	25	7.9	8.2	7.0	1,599	2,700	25	90	60	86	64	93	57
UT	Salt Lake City	66	62	65	8.8	7.5	9.5	5,765	1,047	35	67	43	79	69	52	22
VT	Burlington	51	44	51	9.0	9.8	8.0	7,771	388	29	77	59	72	64	79	53
VA	Norfolk	46	58	46	10.6	11.5	8.9	3,995	1,422	46	78	57	75	59	81	59
	Richmond	49	56	46	7.7	8.1	6.9	3,963	1,348	60	83	53	80	57	85	56
WA	Seattle-Tacoma ²	50	38	46	9.0	9.6	8.3	4,908	190	35	83	62	82	74	82	49
	Spokane	47	47	47	8.9	8.8	8.6	6,842	398	35	78	52	86	79	65	28
WV	Charleston	47	48	47	6.2	7.4	4.9	4,646	1,031	47	83	56	77	63	90	59
WI	Milwaukee	54	52	54	11.5	12.6	9.7	7,324	479	34	80	64	76	68	82	61
WY	Cheyenne	59	64	37	12.9	15.3	10.4	7,326	285	35	65	44	58	50	70	38
PR	San Juan	39	76	39	8.4	8.5	9.7	-	5,558	39	79	65	82	64	79	67

- Represents zero. ¹ Percent of days that are either clear or partly cloudy. ² Does not represent airport data.