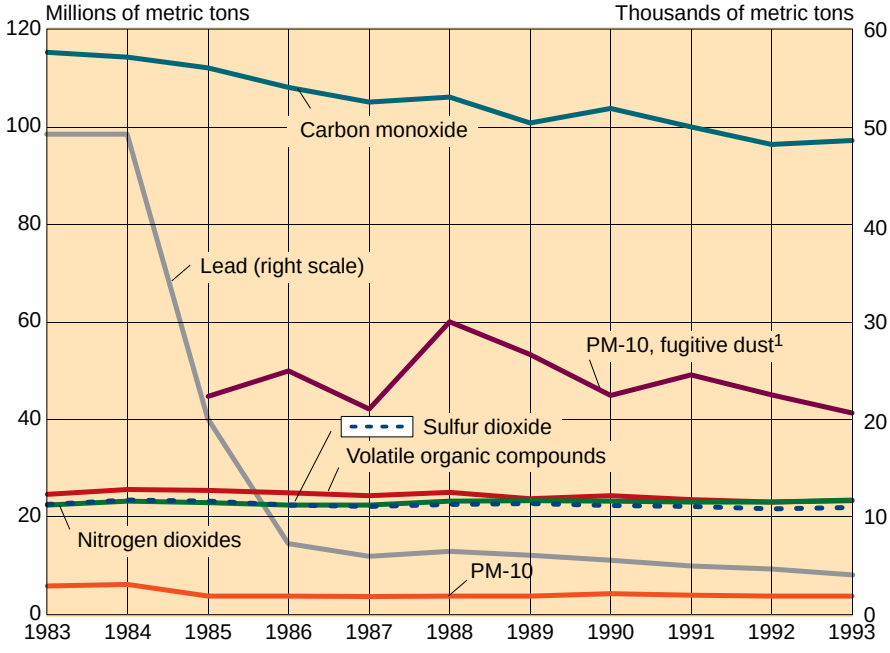
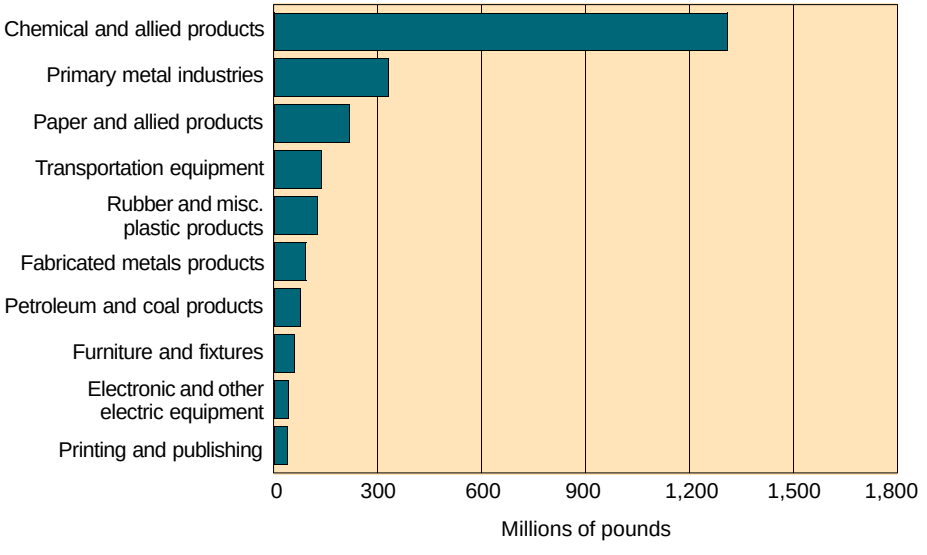
Figure 6.1
National Air Pollutant Emissions: 1983 to 1993



[1] PM-10=Particulate matter of less than ten microns. From sources such as agricultural tilling, construction, mining and quarrying, paved and unpaved roads, and wind erosion.
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 374.

Figure 6.2
Toxic Releases—Top 10 Industries: 1993



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 379.

Section 6

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 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

In Brief

Almost 22 percent of municipal solid waste was recovered or recycled in 1993.

Release of toxic chemicals by manufacturing facilities amounted to 2.8 billion pounds in 1993, down 25 percent from 1990

Emissions of CFC gases in the air down 35% between 1987 and 1992

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 U.S. 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 363 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 1993, there were 1,508 non-Federal sampling stations for particulates, 692 for sulfur dioxide, 537 for carbon monoxide, 925 for ozone, 377 for nitrogen dioxide, and 430 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, 1993.

Pollution abatement and control expenditures.—Data on expenditures for pollution abatement and control are compiled and published by the Bureau of Economic Analysis (BEA) and the U.S. Bureau of the Census. 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 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 are reported annually in Current Industrial Reports. 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 1993, except as noted.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 361. 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.* See *Historical Statistics of the United States, Colonial Times to 1970,* series A 210-263, for land area]

REGION, DIVISION, STATE, AND OTHER AREA	TOTAL AREA		LAND AREA		WATER AREA				
					Total		Inland	Coastal	Great Lakes
	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. mi.	Sq. mi.
United States	**3,717,522**	**9,628,382**	**3,536,338**	**9,159,115**	**181,184**	**469,267**	**78,641**	**42,491**	**60,052**
Northeast	**176,618**	**457,441**	**162,274**	**420,290**	**14,344**	**37,151**	**6,145**	**3,549**	**4,650**
New England	**68,655**	**177,816**	**62,811**	**162,680**	**5,844**	**15,136**	**3,696**	**2,148**	-
Maine	33,741	87,389	30,865	79,940	2,876	7,449	2,263	613	-
New Hampshire	9,283	24,043	8,969	23,230	314	813	314	-	-
Vermont	9,615	24,903	9,249	23,955	366	948	366	-	-
Massachusetts	9,241	23,934	7,838	20,300	1,403	3,634	424	979	-
Rhode Island	1,231	3,188	1,045	2,707	186	482	168	18	-
Connecticut	5,544	14,359	4,845	12,549	699	1,810	161	538	-
Middle Atlantic	**107,963**	**279,624**	**99,463**	**257,609**	**8,500**	**22,015**	**2,449**	**1,401**	**4,650**
New York	53,989	139,832	47,224	122,310	6,765	17,521	1,888	976	3,901
New Jersey	8,215	21,277	7,419	19,215	796	2,062	371	425	-
Pennsylvania	45,759	118,516	44,820	116,084	939	2,432	190	-	749
Midwest	**821,765**	**2,128,371**	**751,520**	**1,946,437**	**70,245**	**181,935**	**14,843**	**-**	**55,402**
East North Central	**301,371**	**780,551**	**243,539**	**630,766**	**57,832**	**149,785**	**4,976**	**-**	**52,856**
Ohio	44,828	116,105	40,953	106,068	3,875	10,036	376	-	3,499
Indiana	36,420	94,328	35,870	92,903	550	1,425	315	-	235
Illinois	57,918	150,008	55,593	143,986	2,325	6,022	750	-	1,575
Michigan	96,705	250,466	56,809	147,135	39,896	103,331	1,704	-	38,192
Wisconsin	65,500	169,645	54,314	140,673	11,186	28,972	1,831	-	9,355
West North Central	**520,394**	**1,347,820**	**507,981**	**1,315,671**	**12,413**	**32,150**	**9,867**	**-**	**2,546**
Minnesota	86,943	225,182	79,617	206,208	7,326	18,974	4,780	-	2,546
Iowa	56,276	145,755	55,875	144,716	401	1,039	401	-	-
Missouri	69,709	180,546	68,898	178,446	811	2,100	811	-	-
North Dakota	70,704	183,123	68,994	178,694	1,710	4,429	1,710	-	-
South Dakota	77,121	199,743	75,896	196,571	1,225	3,173	1,225	-	-
Nebraska	77,359	200,360	76,878	199,114	481	1,246	481	-	-
Kansas	82,282	213,110	81,823	211,922	459	1,189	459	-	-
South	**907,237**	**2,349,744**	**871,070**	**2,256,071**	**36,167**	**93,673**	**27,354**	**8,813**	**-**
South Atlantic	**284,146**	**735,938**	**266,221**	**689,512**	**17,925**	**46,426**	**12,557**	**5,368**	**-**
Delaware	2,397	6,208	1,955	5,063	442	1,145	71	371	-
Maryland	12,297	31,849	9,775	25,317	2,522	6,532	680	1,842	-
District of Columbia	68	176	61	158	7	18	7	-	-
Virginia	42,326	109,624	39,598	102,559	2,728	7,066	1,000	1,728	-
West Virginia	24,232	62,761	24,087	62,385	145	376	145	-	-
North Carolina	52,672	136,420	48,718	126,180	3,954	10,241	3,954	-	-
South Carolina	31,189	80,780	30,111	77,987	1,078	2,792	1,006	72	-
Georgia	58,977	152,750	57,919	150,010	1,058	2,740	1,011	47	-
Florida	59,988	155,369	53,997	139,852	5,991	15,517	4,683	1,308	-
East South Central	**183,079**	**474,175**	**178,615**	**462,613**	**4,464**	**11,562**	**3,354**	**1,110**	**-**
Kentucky	40,411	104,664	39,732	102,906	679	1,759	679	-	-
Tennessee	42,145	109,156	41,219	106,757	926	2,398	926	-	-
Alabama	52,237	135,294	50,750	131,443	1,487	3,851	968	519	-
Mississippi	48,286	125,061	46,914	121,507	1,372	3,553	781	591	-
West South Central	**440,012**	**1,139,631**	**426,234**	**1,103,946**	**13,778**	**35,685**	**11,443**	**2,335**	**-**
Arkansas	53,182	137,741	52,075	134,874	1,107	2,867	1,107	-	-
Louisiana	49,650	128,594	43,566	112,836	6,084	15,758	4,153	1,931	-
Oklahoma	69,903	181,049	68,679	177,879	1,224	3,170	1,224	-	-
Texas	267,277	692,247	261,914	678,357	5,363	13,890	4,959	404	-
West	**1,811,902**	**4,692,826**	**1,751,474**	**4,536,318**	**60,428**	**156,509**	**30,299**	**30,129**	**-**
Mountain	**863,614**	**2,236,760**	**856,121**	**2,217,353**	**7,493**	**19,407**	**7,493**	**-**	**-**
Montana	147,046	380,849	145,556	376,990	1,490	3,859	1,490	-	-
Idaho	83,574	216,457	82,751	214,325	823	2,132	823	-	-
Wyoming	97,819	253,351	97,105	251,502	714	1,849	714	-	-
Colorado	104,100	269,619	103,729	268,658	371	961	371	-	-
New Mexico	121,598	314,939	121,364	314,333	234	606	234	-	-
Arizona	114,006	295,276	113,642	294,333	364	943	364	-	-
Utah	84,904	219,901	82,168	212,815	2,736	7,086	2,736	-	-
Nevada	110,567	286,369	109,806	284,398	761	1,971	761	-	-
Pacific	**948,288**	**2,456,066**	**895,353**	**2,318,964**	**52,935**	**137,102**	**22,806**	**30,129**	**-**
Washington	70,637	182,950	66,581	172,445	4,056	10,505	1,545	2,511	-
Oregon	97,093	251,471	96,002	248,645	1,091	2,826	1,050	41	-
California	158,869	411,471	155,973	403,970	2,896	7,501	2,674	222	-
Alaska	615,230	1,593,446	570,374	1,477,269	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	34	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	166	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-1; and unpublished data. Some corrections have been made subsequent to the 1990 Census reports.

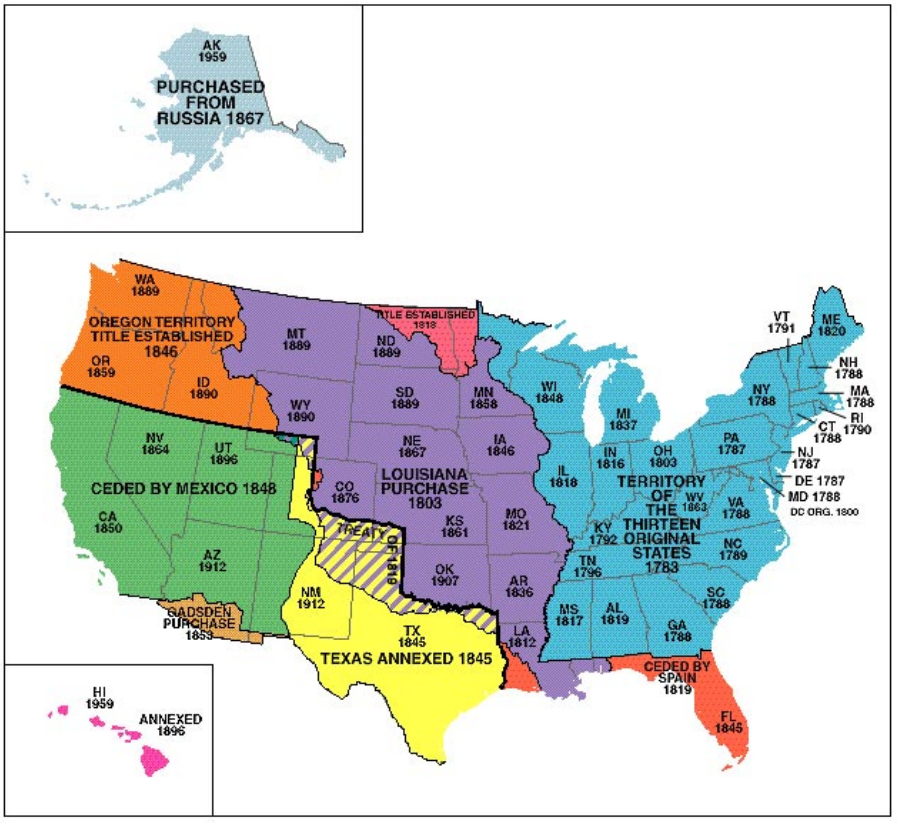
No. 362. Territorial Expansion of the United States and Acquisitions of Other Areas

[One square mile=2.59 square kilometers. Boundaries of all acquisitions listed under "United States" were indefinite, at least in part at time of acquisition. Because different sources are used for land area, the sums of the acquisitions will not equal the United States or the total. See also Historical Statistics, Colonial Times to 1970, series J 1–2]

ACCESSION	Acquisition date	LAND AREA		ACCESSION	Acquisition date	LAND AREA	
		Sq. ml.	Sq. km.			Sq. ml.	Sq. km.
Total[1]	**(X)**	**3,540,558**	**9,170,043**	Alaska[1]	1867	570,374	1,477,267
				Hawaii[1]	1898	6,423	16,636
United States[1]	(X)	3,536,288	9,158,960	Other areas:[1]			
Territory in 1790[2]	(X)	895,415	2,319,125	Puerto Rico	[4]1898	3,427	8,875
Louisiana Purchase	1803	909,380	2,355,294	Guam	[5]1898	210	543
Purchase of Florida[3]	1819	58,666	151,945	American Samoa	[6]1899	77	200
Texas	1845	388,687	1,006,699	Virgin Islands of the U.S.	1917	134	346
Oregon Territory	1846	286,541	742,141	Palau[7]	1947	179	464
Mexican Cession	1848	529,189	1,370,600	No. Mariana Islands	[8]1947	177	458
Gadsden Purchase	1853	29,670	76,845	All other	(X)	16	41

X Not applicable. [1]Source: U.S. Bureau of the Census, 1990 Census of Population and Housing, series CPH–2. Reflects correction made after publication of results. [2]Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase. [3]Also acquired areas west of the Mississippi River amounting to 22,834 square miles, but relinquished to Spain 97,150 square miles, or a net loss of 15,650 square miles. [4]Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. [5]Acquired 1898; ratified 1899. [6]Acquired 1899; ratified 1900. [7]Remaining portion of the Trust Territory of the Pacific Islands, under U.N. trusteeship since 1947. The Federated States of Micronesia and the Marshall Islands, also formerly part of the TTPI, became freely associated States in 1986 and are not included in this table. [8]Attained Commonwealth status in 1986, separate from the TTPI, of which it had been a part since 1947.

Source: Except as noted, U.S. Geological Survey, *Boundaries of the United States and the Several States*, Paper 909, 1976.



No. 363. Area and Acquisition of the Federal Public Domain: 1781 to 1991

[**In millions of acres.** Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 351 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1970,* series J 3-6]

YEAR	Land area, total [1]	YEAR	LAND AREA [1]			YEAR AND ACQUISITION	ACREAGE		
			Total	Public domain	Acquired		Total	Land	Inland water
1802	200.0	1978	775.2	712.0	63.3	**Aggregate**	**1,837.8**	**1,804.7**	**33.1**
1850	1,200.0	1979	744.1	684.3	59.8				
1880	900.0	1980	719.5	648.0	71.5	1781-1802 (State Cessions)	236.8	233.4	3.4
1912	600.0	1981	730.8	668.7	62.2	1803, Louisiana Purchase [2]	529.9	523.4	6.5
1946	413.0	1982	729.8	670.0	59.8	1819, Cession from Spain	46.1	43.3	2.8
1950	412.0	1983	732.0	672.4	59.6	Red River Basin [3]	29.6	29.1	0.5
1955	407.9	1984	726.6	658.9	67.7				
1959	768.6	1985	726.7	656.2	70.5	1846, Oregon Compromise	183.4	180.6	2.7
1960	771.5	1986	727.1	662.7	64.4	1848, Mexican Cession [2]	338.7	334.5	4.2
1965	765.8	1987	724.3	661.0	63.3	1850, Purchase from Texas	78.9	78.8	0.1
1970	761.3	1988	688.2	623.2	65.0	1853, Gadsden Purchase	19.0	19.0	(Z)
1975	760.4	1989	662.2	597.9	64.3	1867, Alaska Purchase	375.3	362.5	12.8
1976	762.2	1990	649.8	587.4	62.4				
1977	741.5	1991	649.3	587.6	61.8				

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. 364. Total and Federally Owned Land, 1960 to 1991, and by State, 1991

[As of **end of fiscal year;** see text, section 9. Total land area figures are not comparable with those in table 361]

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)	Percent				Acres (1,000)	Percent
1960	2,273,407	1,501,894	771,512	33.9	**South**	**561,238**	**540,183**	**21,055**	**3.8**
1965	2,271,343	1,505,546	765,797	33.7	**S.A**	**171,325**	**161,181**	**10,144**	**5.9**
1970	2,271,343	1,510,042	761,301	33.5	DE	1,266	1,239	27	2.2
1975	2,271,343	1,510,929	760,414	33.5	MD	6,319	6,133	187	3.0
1980	2,271,343	1,551,822	719,522	31.7	DC	39	29	10	26.1
1985	2,271,343	1,544,658	726,686	32.0	VA	25,496	23,900	1,597	6.3
1988	2,271,343	1,583,090	688,253	30.3	WV	15,411	14,382	1,028	6.7
1989	2,271,343	1,609,185	662,158	29.2	NC	31,403	29,432	1,970	6.3
1990	2,271,343	1,621,541	649,802	28.6	SC	19,374	18,652	722	3.7
1991	2,271,343	1,621,998	649,346	28.6	GA	37,295	35,807	1,488	4.0
1991, total	**2,271,343**	**1,621,998**	**649,346**	**28.6**	FL	34,721	31,607	3,114	9.0
Northeast	**104,700**	**102,411**	**2,288**	**2.2**	**E.S.C**	**115,141**	**110,686**	**4,455**	**3.9**
N.E	**40,401**	**39,079**	**1,322**	**3.3**	KY	25,512	24,433	1,080	4.2
ME	19,848	19,692	155	0.8	TN	26,728	25,734	994	3.7
NH	5,769	5,035	734	12.7	AL	32,678	31,603	1,075	3.3
VT	5,937	5,579	358	6.0	MS	30,223	28,916	1,306	4.3
MA	5,035	4,969	66	1.3	**W.S.C**	**274,772**	**268,316**	**6,456**	**2.3**
RI	677	675	2	0.3	AR	33,599	30,837	2,762	8.2
CT	3,135	3,129	6	0.2	LA	28,868	28,123	745	2.6
M.A	**64,299**	**63,332**	**966**	**1.5**	OK	44,088	43,383	705	1.6
NY	30,681	30,472	209	0.7	TX	168,218	165,973	2,245	1.3
NJ	4,813	4,664	149	3.1	**West**	**1,122,535**	**519,978**	**602,557**	**53.7**
PA	28,804	28,196	608	2.1	**Mountain**	**548,449**	**283,625**	**264,823**	**48.3**
Midwest	**482,870**	**459,425**	**23,446**	**4.9**	MT	93,271	67,129	26,142	28.0
E.N.C	**156,679**	**146,849**	**9,830**	**6.3**	ID	52,933	20,319	32,614	61.6
OH	26,222	25,880	342	1.3	WY	62,343	31,866	30,477	48.9
IN	23,158	22,757	401	1.7	CO	66,486	42,332	24,154	36.3
IL	35,795	34,834	961	2.7	NM	77,766	52,564	25,203	32.4
MI	36,492	31,903	4,589	12.6	AZ	72,688	38,380	34,308	47.2
WI	35,011	31,474	3,537	10.1	UT	52,697	19,036	33,661	63.9
W.N.C	**326,191**	**312,576**	**13,616**	**4.2**	NV	70,264	12,000	58,265	82.9
MN	51,206	45,839	5,367	10.5	**Pacfic**	**574,086**	**236,353**	**337,733**	**58.8**
IA	35,860	35,524	336	0.9	WA	42,694	30,614	12,080	28.3
MO	44,248	42,152	2,096	4.7	OR	61,599	29,308	32,291	52.4
ND	44,452	42,574	1,879	4.2	CA	100,207	55,500	44,707	44.6
SD	48,882	46,076	2,806	5.7	AK	365,482	117,461	248,021	67.9
NE	49,032	48,322	710	1.4	HI	4,106	3,471	634	15.5
KS	52,511	52,089	422	0.8					

[1] Excludes trust properties.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World,* annual.

No. 365. 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	Cropland	Pasture land	Rangeland	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. 366. 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
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	Ouachita 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] New Castle County	448	137	Atlantic Ocean	(1)	(1)	60	18
DC	Tenleytown at Reno Reservoir	410	125	Potomac River	1	(Z)	150	46
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. 367. 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:			Leech Lake (MN)	162	419
Chesapeake Bay (MD-VA)	2,747	7,115	Lake St Clair (MI) [1]	161	416
Pamlico Sound (NC)	1,622	4,200	Eufaula Lake (OK)	157	407
Long Island Sound (CT-NY)	914	2,368	Sam Rayburn Resevoir (TX)	150	389
Delaware Bay (DE-NJ)	614	1,591	Goose Lake (CA-OR)	147	381
Cape Cod Bay (MA)	598	1,548	Utah Lake (UT)	139	361
Albemarle Sound (NC)	492	1,274	Lake Marion (SC)	139	360
Biscayne Bay (FL)	218	565	Lake Francis Case (SD)	134	346
Buzzards Bay (MA)	215	558	Lake Pend Oreille (ID)	133	343
Tangier Sound (MD-VA)	172	445	Lake Texoma (OK-TX)	132	342
Currituck Sound (NC)	116	301	Yellowstone Lake (WY)	131	339
Pocomoke Sound (MD-VA)	111	286	Livingston Reservoir (TX)	127	330
Chincoteague Bay (MD-VA)	105	272	Franklin D Roosevelt Lake (WA)	124	322
Great South Bay (NY)	94	243	Moosehead Lake (ME)	116	301
Core Sound (NC)	88	229	Clark Hill Lake (GA-SC)	105	272
			Lake Maurepas (LA)	91	235
Gulf Coast water bodies:			Lake Moultrie (SC)	89	230
Mississippi Sound (AL-LA-MS)	813	2,105	Lake Winnibigoshish (MN)	87	225
Laguna Madre (TX)	733	1,897	Hartwell Lake (GA-SC)	86	224
Lake Pontchartrain (LA)	631	1,635	Upper Klamath Lake (OR)	85	221
Florida Bay (FL)	616	1,596	Harry S. Truman Reservoir (MO)	84	217
Breton Sound (LA)	511	1,323	Oneida Lake (NY)	80	207
Mobile Bay (AL)	310	802	Malheur Lake (OR)	75	195
Lake Borgne (LA-MS)	271	702			
Matagorda Bay (TX)	253	656	Alaska water bodies:		
Atchafalaya Bay (LA)	245	635	Chatham Strait	1,559	4,039
Galveston Bay (TX)	236	611	Prince William Sound	1,382	3,579
Tampa Bay (FL)	212	549	Clarence Strait	1,199	3,107
Vermilion Bay (LA)	189	489	Iliamna Lake	1,022	2,646
Corpus Christi Bay (TX)	151	392	Frederick Sound	792	2,051
West Cote Blanche Bay (LA)	146	378	Sumner Strait	791	2,048
Trinity Bay (TX)	129	335	Stephens Passage	702	1,819
			Kvichak Bay	640	1,659
Choctawhatchee Bay (FL)	122	315	Montague Strait	463	1,198
San Antonio Bay (TX)	118	306	Becharof Lake	447	1,158
Timbalier Bay (LA)	112	291	Icy Strait	436	1,130
Charlotte Harbor (FL)	112	291	Hotham Inlet	433	1,120
Aransas Bay (TX)	104	268	Selawik Lake	403	1,044
Apalachicola Bay (FL)	101	262	Nushagak Bay	393	1,018
Terrebonne Bay (LA)	99	256	Baird Inlet	348	902
East Cote Blanche Bay (LA)	94	243			
St George Sound (FL)	93	240	Yakutat Bay	345	894
Sabine Lake (LA-TX)	89	229	Teshekpuk Lake	324	839
White Lake (LA)	85	221	Behm Canal	324	839
Old Tampa Bay (FL)	83	214	Turnagain Arm	322	834
Bon Secour Bay (AL)	79	204	Kachemak Bay	310	803
Pine Island Sound (FL)	75	194	Glacier Bay	310	803
			Stefansson Sound	301	780
Pacific Coast water bodies:			Revillagigedo Channel	295	764
Puget Sound (WA)	808	2,092	Kasegaluk Lagoon	293	759
San Francisco Bay (CA)	264	684	Cordova Bay	241	623
Willapa Bay (WA)	125	325	Sitka Sound	229	593
Hood Canal (WA)	117	303	Naknek Lake	225	582
			Eschscholtz Bay	210	543
Interior water bodies:			Stepovak Bay	206	534
Lake Michigan (IL-IN-MI-WI)	22,342	57,866	Keku Strait	206	534
Lake Superior (MI-MN-WI) [1]	20,557	53,243			
Lake Huron (MI) [1]	8,800	22,792	Port Clarence	187	486
Lake Erie (MI-NY-OH-PA) [1]	5,033	13,036	Orca Bay	184	476
Lake Ontario (NY) [1]	3,446	8,926	Knik Arm	169	437
Great Salt Lake (UT)	1,836	4,756	Dall Lake	167	433
Green Bay (MI-WI)	1,396	3,617	Knight Island Passage	167	432
Lake Okeechobee (FL)	663	1,717	Scammon Bay	163	423
Lake Sakakawea (ND)	563	1,459	Port Moller	159	412
Lake Oahe (ND-SD)	538	1,394	Ernest Sound	158	410
Lake of the Woods (MN) [1]	462	1,196	Spafarief Bay	157	405
Lake Champlain (NY-VT) [1]	414	1,072	Pavlov Bay	153	396
Fort Peck Lake (MT)	379	981	Shishmaref Inlet	153	395
Salton Sea (CA)	364	944	Smith Bay	140	363
Toledo Bend Reservoir (LA-TX)	268	694	Seymour Canal	140	361
Lower Red Lake (MN)	257	666	Sitkalidak Strait	135	349
Lake Powell (AZ-UT)	250	649	Tlevak Strait	135	349
Kentucky Lake (KY-TN)	234	605			
Lake Mead (AZ-NV)	233	603	Lake Clark	130	336
Lake Winnebago (WI)	206	535	Lynn Canal	130	336
Mille Lacs Lake (MN)	200	518	Chignik Bay	119	309
Flathead Lake (MT)	191	495	Elson Lagoon	119	309
Lake Tahoe (CA-NV)	187	486	Bucareli Bay	119	307
Upper Red Lake (MN)	186	483	Hinchinbrook Entrance	118	306
Pyramid Lake (NV)	170	440			

[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 [TM] data base.

No. 368. 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	[5]529
Mississippi	Louisiana	Mississippi River, MN	[2]2,340	[3]593	[4 5]1,150
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	Corrumpa 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. 369. 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				Consumptive use, [1] fresh water	STATE OR OTHER AREA	WATER WITHDRAWN				Consumptive use, [1] fresh water
	Total	Per capita (gal. per day) fresh	Source				Total	Per capita (gal. per day) fresh	Source		
			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	2,780	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	2,880	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. 370. 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. See also *Historical Statistics, Colonial Times to 1970,* series J 92-103]

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. 371. National Ambient Water Quality in Rivers and Streams—Violation Rate: 1980 to 1994

[**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	1988	1989	1990	1991	1992	1993	1994
Fecal coliform bacteria	Above 200 cells per 100 ml	31	28	22	30	26	15	28	31	29
Dissolved oxygen	Below 5 mg per liter	5	3	2	3	2	2	2	(Z)	(Z)
Phosphorus, total, as phosporous	Above 1.0 mg per liter	4	3	4	2	3	2	2	2	4
Lead, dissolved	Above 50 µg per liter	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)	(NA)
Cadmium, dissolved	Above 10 µg per liter	1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)	(NA)

Z Less than 1. NA Not available.

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. 372. 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	Nonvessels	3,929	821,767

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

No. 373. National Ambient Air Pollutant Concentrations: 1985 to 1993

[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 one hour value; and lead, quarterly average of ambient lead levels. Based on data from the Aerometric Information Retrieval System. µg/m^3=micrograms of pollutant per cubic meter of air; ppm=parts per million]

POLLUTANT	Unit	Monitoring stations, number	Air quality standard [1]	1985	1987	1988	1989	1990	1991	1992	1993
Carbon monoxide	ppm	314	[2]9	6.97	6.69	6.38	6.34	5.87	5.55	5.18	4.88
Ozone	ppm	532	[3].12	0.124	0.126	0.136	0.117	0.114	0.116	0.107	0.110
Sulfur dioxide	ppm	474	.03	0.009	0.009	0.009	0.009	0.008	0.008	0.007	0.007
Particulates (PM-10) [4]	µg/m^3	799	50	(X)	(X)	33.2	33.0	29.8	29.6	27.2	26.4
Nitrogen dioxide	ppm	201	.053	0.022	0.022	0.023	0.022	0.021	0.021	0.020	0.019
Lead	µg/m^3	204	[5]1.5	0.291	0.156	0.103	0.080	0.079	0.058	0.050	0.045

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 µg/m^3

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

No. 374. National Air Pollutant Emissions: 1940 to 1993

[**In thousands of tons.** PM-10=Particulate matter of less than ten microns. Methodologies to estimate data for 1900 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 dioxide	Volatile organic compounds	Carbon monoxide	Lead
1940	15,956	(NA)	19,954	7,568	17,118	90,865	(NA)
1950	17,133	(NA)	22,384	10,403	20,856	98,785	(NA)
1960	15,558	(NA)	22,245	14,581	24,322	103,777	(NA)
1970	12,838	(NA)	31,096	20,625	30,646	128,079	219,471
1980	6,928	(NA)	25,813	23,281	25,893	115,625	74,956
1983	5,849	(NA)	22,471	22,364	24,607	115,334	49,232
1984	6,126	(NA)	23,396	23,172	25,572	114,262	42,217
1985	3,676	44,701	23,148	22,853	25,417	112,072	20,124
1986	3,679	49,940	22,361	22,409	24,826	108,070	7,296
1987	3,630	42,131	22,085	22,386	24,338	105,117	6,840
1988	3,697	59,975	22,535	23,221	24,961	106,100	6,464
1989	3,661	53,323	22,653	23,250	23,731	100,806	6,099
1990, prel.	4,229	44,929	22,261	23,192	24,276	103,753	5,635
1991, prel.	3,902	49,127	22,149	22,977	23,508	99,898	5,020
1992, prel.	3,676	44,953	21,592	22,991	23,020	96,368	4,741
1993, prel.	3,688	41,801	21,888	23,402	23,312	97,208	4,885

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

No. 375. Air Pollutant Emissions, by Pollutant and Source: 1993

[**In thousands of tons.** See headnote, table 374]

Source	Particulates [1]	Sulfur dioxide	Nitrogen oxide	Volatile organic compounds	Carbon monoxide	Lead
Total	**45,489**	**21,888**	**23,402**	**23,312**	**97,208**	**4,885**
Fuel combustion, stationary sources	1,212	19,266	11,690	648	5,433	497
Electric utilities	270	15,836	7,782	36	322	62
Industrial	219	2,830	3,176	271	667	18
Other fuel combustion	723	600	732	341	4,444	417
Residential	674	178	(NA)	310	4,310	9
Industrial processes	553	1,852	905	3,091	5,219	2,281
Chemical and allied product manufacturing	75	450	414	1,811	1,998	109
Metals processing	141	580	82	74	2,091	2,118
Petroleum and related industries	26	409	95	720	398	(NA)
Other	311	413	314	486	732	54
Solvent utilization	2	1	3	6,249	2	(NA)
Storage and transport	55	5	3	1,861	56	(NA)
Waste disposal and recycling	248	37	84	2,271	1,732	518
Highway vehicles	197	438	7,437	6,094	59,989	1,383
Light-duty gas vehicles and motorcycle	(NA)	(NA)	3,685	3,854	39,452	1,033
Light-duty trucks	(NA)	(NA)	1,387	1,612	14,879	(NA)
Heavy-duty gas vehicles	(NA)	(NA)	304	314	4,292	(NA)
Diesels	(NA)	(NA)	2,061	315	1,366	(NA)
Off highway [2]	395	278	2,986	2,207	15,272	206
Miscellaneous [3]	42,828	11	296	893	9,506	(NA)

NA Not available. [1] Represents both PM-10 and PM-10 fugitive dust; see table 374. [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 various agricultural activities, fugitive dust from paved and unpaved roads, and other construction and mining activities, and natural sources.

Source of tables 374 and 375: U.S. Environmental Protection Agency, *National Air Pollutant Emission Trends, 1900-1993.*

No. 376. Metropolitan Areas Failing to Meet National Ambient Air Quality Standards for Carbon Monoxide—Number of Days Exceeding Standards: 1992 and 1993

[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 October 1994]

METROPOLITAN AREA	1992	1993	METROPOLITAN AREA	1992	1993	METROPOLITAN AREA	1992	1993
Albuquerque, NM	-	-	Hartford, CT CMSA	1	-	Phoenix, AZ	5	-
Anchorage, AK	2	2	Klamath County, OR [1]	-	-	Portland, OR-WA CMSA	-	-
Baltimore, MD	-	-	Lake Tahoe S. Shore, CA [1]	1	-	Provo-Orem, UT	3	2
Boston, MA-NH CMSA	-	-	Las Vegas, NV	2	3	Raleigh-Durham, NC	-	-
Chico, CA	-	-	Longmont, CO [1]	-	-	Reno, NV	-	-
Cleveland, OH CMSA	-	-	Los Angeles, CA CMSA	35	20	Sacramento, CA	-	-
Colorado Springs, CO	-	-	Medford, OR	-	-	San Diego, CA	-	-
Denver-Boulder, CO CMSA	7	2	Minneapolis-St. Paul, MN-WI	-	-	San Francisco, CA CMSA	-	-
Duluth, MN	-	-	Missoula County, MT [1]	-	-	Seattle-Tacoma, WA CMSA	1	-
El Paso, TX	3	2	Modesto, CA	-	-	Spokane, WA	6	4
Fairbanks, AK [1]	2	5	New York, NY-NJ-CT CMSA	2	-	Stockton, CA	-	-
Fort Collins, CO	-	-	Ogden, UT	-	-	Washington, DC-MD-VA	-	-
Fresno, CA	-	-	Philadelphia, PA-NJ-DE-MD CMSA	-	-			
Grant Pass, OR [1]	-	-						
Greensboro-Winston-Salem, NC	-	-						

- Represents zero. [1] Not a metropolitan area.

No. 377. Metropolitan Areas Failing to Meet National Ambient Air Quality Standards for Ozone—Average Number of Days Exceeding Standards: 1991 to 1993

[See headnote, table 376. Nonattainment status was as of October 1994]

METROPOLITAN AREA	1991-93, avg.	1993 [1]	METROPOLITAN AREA	1991-93, avg.	1993 [1]
Albany-Schenectady-Troy, NY	-	-	Los Angeles South Coast Air, CA [6]	104.3	97.6
Allentown-Bethlehem-Easton, PA-NJ	-	-	Manchester, NH	-	-
Altoona, PA	-	-	Manitowoc Co, WI	2.0	-
Atlanta, GA	4.2	4.3	Memphis, TN-AR-MS	0.3	1.0
Atlantic City, NJ	1.0	0.0	Miami-Fort Lauderdale, FL CMSA	-	1.0
Baltimore, MD	4.8	6.2	Milwaukee-Racine, WI CMSA	3.9	2.4
Baton Rouge, LA	1.8	3.0	Monterey Bay, CA [7]	0.4	-
Beaumont-Port Arthur, TX	2.7	0.0	Muskegon, MI	2.3	1.0
Birmingham, AL	0.7	2.0	Nashville, TN	1.1	2.1
Boston-Lawrence-Salem, MA-NH CMSA [2]	3.1	4.0	New York, NY-NJ-CT CMSA [8]	6.1	6.0
Buffalo-Niagara Falls, NY CMSA	-	-	Norfolk-Virginia Beach-Newport News, VA	1.7	3.0
Canton, OH	0.3	-	Owensboro, KY	-	-
Charleston, WV	0.3	-	Paducah, KY [4]	-	-
Charlotte-Gastonia-Rock Hill, NC-SC [3]	0.7	2.1	Parkersburg-Marietta, WV-OH	-	-
Chicago-Gary-Lake County, IL-IN-WI CMSA	4.7	2.4	Philadelphia, PA-NJ-DE-MD CMSA	10.3	5.2
Cincinnati-Hamilton, OH-KY-IN CMSA	1.3	1.0	Phoenix, AZ	4.0	2.0
Cleveland-Akron-Lorain, OH CMSA	1.7	-	Pittsburgh-Beaver Valley, PA CMSA	0.7	-
Columbus, OH	0.3	-	Portland-Vancouver, OR-WA CMSA	0.7	-
Dallas-Fort Worth, TX CMSA	2.0	2.3	Portland, ME	11.8	3.8
Dayton-Springfield, OH	0.0	1.0	Portsmouth-Dover-Rochester, NH-ME	2.2	1.1
Detroit-Ann Arbor, MI CMSA	1.0	1.0	Poughkeepsie, NY	1.4	2.0
Door County, WI [4]	1.6	-	Providence, RI [9]	4.0	1.4
Edmonson County, KY [4]	-	-	Reading, PA	0.3	-
El Paso, TX	3.7	4.1	Reno, NV	-	-
Erie, PA	-	-	Richmond-Petersburg, VA	1.4	3.1
Essex County, NY [4]	-	-	Sacramento, CA	9.7	3.6
Evansville, IN-KY	-	-	St. Louis, MO-IL	1.7	2.1
Grand Rapids, MI	3.4	1.0	Salt Lake City-Ogden, UT	-	-
Greater Connecticut, CT [5]	7.5	6.0	San Diego, CA	11.8	4.0
Greenbrier County, WV [4]	0.4	-	San Joaquin Valley, CA	18.9	27.5
Hancock and Waldo counties, ME [4]	1.3	-	San Francisco-Bay area, CA	0.7	2.0
Harrisburg-Lebanon-Carlisle, PA	0.0	-	Santa Barbara-Santa Maria-Lompoc, CA	1.0	-
Houston-Galveston-Brazoria, TX CMSA	6.3	10.4	Scranton-Wilkes-Barre, PA	0.4	-
Huntington-Ashland, WV-KY-OH	1.0	1.0	Seattle-Tacoma, WA	-	-
Indianapolis, IN	-	-	Sheboygan, WI	2.6	-
Jefferson County, NY [4]	-	-	Smyth County, VA [4]	(NA)	(NA)
Jersey Co., IL [4]	0.7	2.0	South Bend-Mishawaka, IN	-	-
Johnstown, PA	-	-	Southeast Desert Modified AQMD, CA [10]	59.3	72.6
Kent County and Queen Anne's Co., MD [4]	2.8	2.0	Springfield, MA	4.6	6.2
Kewaunee County, WI [4]	0.8	0.0	Sussex County, DE [4]	1.0	-
Knox and Lincoln counties, ME [4]	2.3	1.2	Tampa-St. Petersburg-Clearwater, FL	-	-
Lake Charles, LA	1.3	-	Toledo, OH	0.3	1.0
Lancaster, PA	0.3	1.0	Ventura County, CA	15.9	9.0
Lewiston-Auburn, ME	0.3	-	Walworth County, WI	0.3	-
Lexington-Fayette, KY	-	-	Washington, DC-MD-VA	1.4	3.1
Louisville, KY-IN	2.2	2.0	York, PA	-	-
			Youngstown-Warren, OH [11]	0.3	1.0

- 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] Excludes York Co., SC. [4] Not a metropolitan area. [5] Primarily represents Hartford-New Haven area. [6] Primarily represents Los Angeles and Orange counties. [7] Primarily represents Monterey, Santa Cruz, and San Benito counties. [8] Excludes the Connecticut portion. [9] Covers entire State of Rhode Island. [10] Represents primarily San Joaquin, Turlock, Merced, Madera, Fresno, Kings, Tulare, and Kern counties. [11] Includes Sharon, PA.

Source of tables 376 and 377: U.S. Environmental Protection Agency, Published in *1993 Air Quality Update,* October 1994.

No. 378. Emissions of Greenhouse Gases, by Type and Source: 1987 to 1993

[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	1987	1988	1989	1990	1991	1992	1993
Carbon dioxide:								
Carbon content, total	Mil. metric tons	1,316.6	1,377.9	1,386.9	1,374.8	1,361.8	1,382.5	1,409.2
Energy sources	Mil. metric tons	1,283.4	1,345.4	1,356.9	1,345.5	1,325.9	1,347.8	1,375.5
Cement production	Mil. metric tons	8.6	8.7	8.7	8.8	8.5	8.6	9.0
Gas flaring	Mil. metric tons	1.6	1.9	1.9	2.0	2.2	2.2	2.5
Other industrial	Mil. metric tons	7.7	8.2	8.3	8.3	8.3	8.4	8.3
Other, adjustments	Mil. metric tons	15.2	13.7	11.2	10.2	16.9	15.5	13.8
Methane:								
Gas, total	1,000 metric tons	26.39	26.67	26.81	27.19	27.24	27.23	(NA)
Energy sources	1,000 metric tons	8.15	8.16	8.32	8.37	8.30	8.26	(NA)
Landfills	1,000 metric tons	10.16	10.26	10.27	10.42	10.33	10.18	(NA)
Agricultural sources	1,000 metric tons	8.08	8.25	8.21	8.41	8.61	8.81	(NA)
Industrial sources	1,000 metric tons	0.11	0.12	0.12	0.12	0.11	0.12	(NA)
Nitrous oxide, total	1,000 metric tons	392	417	420	430	437	433	(NA)
Fertilizer	1,000 metric tons	145	150	151	158	161	162	162
Transportation	1,000 metric tons	106	121	127	132	136	136	(NA)
Stationary combustion	1,000 metric tons	48	49	46	46	44	43	44
Industrial sources	1,000 metric tons	92	97	96	95	97	91	93
Nitrogen oxide	Mil. metric tons	20.68	21.43	21.28	21.36	21.23	20.99	(NA)
Energy related	Mil. metric tons	19.69	20.41	20.28	20.35	20.23	19.99	(NA)
Industrial processes	Mil. metric tons	0.79	0.82	0.81	0.81	0.80	0.80	(NA)
Solid waste disposal	Mil. metric tons	0.08	0.08	0.08	0.07	0.07	0.07	(NA)
Transportation	Mil. metric tons	9.61	9.80	9.58	9.67	9.51	9.37	(NA)
Other	Mil. metric tons	0.12	0.12	0.12	0.12	0.12	0.12	(NA)
Nonmethane volatile organic compounds (VOC's), total	Mil. metric tons	22.42	22.69	21.68	21.47	21.22	20.61	(NA)
Energy related	Mil. metric tons	10.21	10.07	9.16	8.93	8.72	8.10	(NA)
Industrial processes	Mil. metric tons	9.65	9.99	9.92	9.96	9.98	9.89	(NA)
Solid waste disposal	Mil. metric tons	2.05	2.10	2.08	2.05	2.01	2.10	(NA)
Other	Mil. metric tons	0.51	0.53	0.53	0.52	0.52	0.52	(NA)
Chloroflurocarbons (CFC's) gases [1]	1,000 metric tons	278	278	272	232	193	180	(NA)
Hydrochloroflurocarbons (HCFC's) gases [2]	1,000 metric tons	68	74	76	82	82	86	(NA)

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, 1985-1992.*

No. 379. Toxic Release Inventory, by Industry and Source: 1989 to 1993

[**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)]

INDUSTRY	1987 SIC [1] code	1989	1990	1991	1992	1993			
						Total [2]	Air [3], point	Air [4], non-point	Water
Total	(X)	4,405.2	3,719.7	3,393.5	3,190.4	2,791.4	1,175.1	480.2	271.1
Food and kindred products	20	37.2	39.2	39.8	38.7	38.0	15.7	11.5	1.4
Tobacco products	21	1.8	2.5	2.3	2.0	2.4	2.1	0.2	-
Textile mill products	22	32.2	27.2	25.2	21.9	20.4	15.3	4.8	0.3
Apparel and other textile prod.	23	1.4	1.3	1.4	1.6	1.1	1.0	0.2	-
Lumber and wood products	24	38.0	35.8	32.6	31.0	29.5	24.6	4.7	0.1
Furniture and fixtures	25	65.5	62.6	56.6	56.7	58.1	50.8	7.0	-
Paper and allied products	26	262.8	254.5	246.4	234.1	216.1	171.9	21.1	18.1
Printing and publishing	27	58.7	56.0	47.2	41.1	36.5	17.2	19.3	0.0
Chemical and allied products	28	2,093.3	1,629.5	1,546.9	1,543.0	1,308.4	320.9	148.1	234.1
Petroleum and coal products	29	99.2	86.9	79.9	84.2	74.5	21.8	35.3	3.3
Rubber and misc. plastic prod.	30	184.6	178.7	151.5	135.6	125.1	86.9	37.5	0.4
Leather and leather products	31	13.5	12.8	10.2	10.7	8.4	4.5	3.0	0.1
Stone, clay, glass products	32	37.2	31.2	29.8	26.1	26.7	15.4	2.6	0.2
Primary metal industries	33	522.9	476.7	424.7	348.6	328.6	106.0	30.6	6.8
Fabricated metals products	34	137.5	128.9	111.6	103.0	91.1	57.8	32.6	0.1
Industrial machinery and equip.	35	58.4	49.4	39.3	34.1	27.5	17.0	10.1	0.2
Electronic, electric equipment	36	100.6	82.5	67.7	53.2	39.6	28.8	9.9	0.3
Transportation equipment	37	206.0	176.6	150.8	137.2	135.5	94.9	38.9	0.1
Instruments and related prod.	38	52.5	44.3	39.7	33.3	26.6	19.9	5.8	0.8
Misc. manufacturing industries	39	29.3	26.2	20.8	18.9	17.2	11.4	5.8	-
Multiple codes	20-39	362.0	303.0	242.1	220.3	159.6	84.1	46.2	4.5
No codes	20-39	10.8	13.8	27.1	15.1	20.4	7.0	4.7	0.3

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

Source: U.S. Environmental Protection Agency, *1993 Toxics Release Inventory,* March 1995.

No. 380. Municipal Solid Waste Generation, Recovery, and Disposal: 1960 to 1993

[**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	1960	1970	1980	1985	1989	1990	1991	1992	1993
Waste generated	87.8	121.9	151.5	164.4	191.4	198.0	196.8	203.0	206.9
Per person per day (lb.)	2.7	3.3	3.7	3.8	4.2	4.3	4.3	4.4	4.4
Materials recovered	5.9	8.6	14.5	16.4	29.9	32.9	37.3	41.5	45.0
Per person per day (lb.)	0.18	0.23	0.35	0.38	0.7	0.7	0.8	0.9	1.0
Combustion for energy recovery	(NA)	0.4	2.7	7.6	27.1	29.7	31.1	30.5	31.3
Per person per day (lb.)	(NA)	0.02	0.06	0.17	0.6	0.7	0.7	0.7	0.7
Combustion without energy recovery	27.0	24.7	11.0	4.1	2.0	2.2	2.2	2.2	1.6
Per person per day (lb.)	0.82	0.66	0.27	0.10	0.4	0.05	0.05	0.05	0.03
Landfill, other disposal	54.9	88.2	123.3	136.4	132.4	133.2	126.2	128.8	129.0
Per person per day (lb.)	1.67	2.37	2.97	3.13	2.9	2.9	2.7	2.8	2.7
Percent distribution of generation:									
Paper and paperboard	34.1	36.3	36.1	37.4	37.6	36.7	36.1	36.6	37.6
Glass	7.6	10.4	9.9	8.0	6.7	6.7	6.5	6.5	6.6
Metals	12.0	11.6	9.6	8.6	8.2	8.3	8.5	8.3	8.3
Plastics	0.5	2.5	5.2	7.1	8.0	8.5	8.8	9.1	9.3
Rubber and leather	2.3	2.6	2.8	2.3	2.4	3.0	2.9	3.0	3.0
Textiles	1.9	1.6	1.7	1.7	2.9	3.3	3.1	3.2	3.0
Wood	3.4	3.3	4.4	5.0	6.1	6.2	6.4	6.3	6.6
Food wastes	13.9	10.5	8.7	8.0	6.9	6.7	6.8	6.6	6.7
Yard wastes	22.8	19.0	18.2	18.2	18.1	17.7	17.8	17.2	15.9
Other wastes	1.6	2.2	3.4	3.6	3.1	3.1	3.2	3.1	3.1

NA Not available.

No. 381. Generation and Recovery of Selected Materials in Municipal Solid Waste: 1960 to 1993

[**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	1960	1970	1980	1985	1989	1990	1991	1992	1993
Waste generated, total	**87.8**	**121.9**	**151.5**	**164.4**	**191.4**	**198.0**	**196.8**	**203.0**	**206.9**
Paper and paperboard	29.9	44.2	54.7	61.5	71.9	72.7	71.1	74.3	77.8
Ferrous metals	9.9	12.6	11.6	10.9	12.0	12.4	12.6	12.9	12.9
Aluminum	0.4	0.8	1.8	2.3	2.5	2.9	3.0	2.9	3.0
Other nonferrous metals	0.2	0.7	1.1	1.0	1.2	1.1	1.2	1.2	1.2
Glass	6.7	12.7	15.0	13.2	12.9	13.2	12.7	13.1	13.7
Plastics	0.4	3.1	7.9	11.6	15.4	16.8	17.2	18.5	19.3
Yard waste	20.0	23.2	27.5	30.0	34.7	35.0	35.0	35.0	32.8
Other wastes	20.3	24.6	31.9	33.9	40.8	43.9	44.0	45.1	46.2
Materials recovered, total	**5.9**	**8.6**	**14.5**	**16.4**	**29.9**	**32.9**	**37.3**	**41.5**	**45.0**
Paper and paperboard	5.4	7.4	11.9	13.1	19.1	20.3	22.5	24.5	26.5
Ferrous metals	0.1	0.1	0.4	0.4	1.5	1.7	2.3	2.8	3.4
Aluminum	-	-	0.3	0.6	0.9	1.0	1.0	1.1	1.1
Other nonferrous metals	-	0.3	0.5	0.5	0.8	0.7	0.7	0.7	0.8
Glass	0.1	0.2	0.8	1.0	2.5	2.6	2.6	2.9	3.0
Plastics	-	-	-	0.1	0.3	0.4	0.5	0.6	0.7
Yard waste	-	-	-	-	3.5	4.2	5.0	6.0	6.5
Other wastes	0.3	0.6	0.6	0.7	1.3	2.0	2.7	2.9	3.0
Percent of generation recovered, total	**6.7**	**7.1**	**9.6**	**10.0**	**15.6**	**16.6**	**19.0**	**20.4**	**21.7**
Paper and paperboard	18.1	16.7	21.8	21.3	26.6	27.9	31.7	32.9	34.0
Ferrous metals	1.0	0.8	3.4	3.7	12.6	13.7	18.5	21.6	26.1
Aluminum	-	-	16.7	26.1	35.5	35.3	34.9	38.1	35.4
Other nonferrous metals	-	42.9	45.5	50.0	68.3	66.4	64.3	62.1	62.9
Glass	1.5	1.6	5.3	7.6	19.5	20.0	20.1	22.0	22.0
Plastics	-	-	-	0.9	1.7	2.2	2.6	3.2	3.5
Yard waste	-	-	-	-	10.0	12.0	14.3	17.1	19.8
Other wastes	1.5	2.4	1.9	2.1	3.2	4.5	6.1	6.4	6.4

- Represents zero.

Source of tables 380 and 381: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States: 1994.* Prepared for the U.S. Environmental Protection Agency.

No. 382. Hazardous Waste Sites on the National Priority List, by State: 1994

[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	Percent distribution	Federal	Non-Federal	STATE	Total sites	Rank	Percent distribution	Federal	Non-Federal
Total	1,296	(X)	(X)	160	1,136	Montana	9	41	0.7	-	9
						Nebraska	10	37	0.8	1	9
United States	**1,283**	**(X)**	**100.0**	**158**	**1,125**	Nevada	1	50	0.1	-	1
						New Hampshire	17	24	1.3	1	16
Alabama	13	28	1.0	3	10	New Jersey	108	1	8.4	6	102
Alaska	8	42	0.6	6	2	New Mexico	11	34	0.9	2	9
Arizona	10	36	0.8	3	7	New York	85	4	6.6	4	81
Arkansas	12	32	0.9	-	12	North Carolina	23	17	1.8	2	21
California	96	3	7.5	23	73	North Dakota	2	49	0.2	-	2
Colorado	18	22	1.4	3	15	Ohio	38	10	3.0	5	33
Connecticut	16	25	1.2	1	15	Oklahoma	11	35	0.9	1	10
Delaware	19	20	1.5	1	18	Oregon	13	28	1.0	2	11
District of Columbia	-	(X)	-	-	-	Pennsylvania	102	2	8.0	6	96
Florida	58	6	4.5	5	53	Rhode Island	12	32	0.9	2	10
Georgia	13	28	1.0	2	11	South Carolina	26	15	2.0	2	24
Hawaii	4	46	0.3	3	1	South Dakota	4	46	0.3	1	3
Idaho	10	37	0.8	2	8	Tennessee	18	22	1.4	4	14
Illinois	37	11	2.9	4	33	Texas	30	13	2.3	4	26
Indiana	33	12	2.6	-	33	Utah	16	25	1.2	4	12
Iowa	19	20	1.5	1	18	Vermont	8	42	0.6	-	8
Kansas	10	37	0.8	1	9	Virginia	25	16	1.9	6	19
Kentucky	20	19	1.6	1	19	Washington	56	7	4.4	20	36
Louisiana	14	27	1.1	1	13	West Virginia	6	44	0.5	2	4
Maine	10	37	0.8	3	7	Wisconsin	40	9	3.1	-	40
Maryland	13	28	1.0	4	9	Wyoming	3	48	0.2	1	2
Massachusetts	30	13	2.3	8	22						
Michigan	77	5	6.0	1	76	Guam	2	(X)	(X)	1	1
Minnesota	41	8	3.2	3	38	Puerto Rico	9	(X)	(X)	1	8
Mississippi	5	45	0.4	-	5	Virgin Islands	2	(X)	(X)	-	2
Missouri	23	17	1.8	3	20						

- Represents zero. X Not applicable.

Source: U.S. Environmental Protection Agency, *Supplementary Materials: National Priorities List, Proposed Rule,* August 1994.

No. 384. Pollution Abatement and Control Expenditures, in Current and Constant (1987) Dollars, 1972 to 1992, and by Media, 1992

[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										
1972	16,586	15,397	1,350	10,639	3,409	139	1,311	1,959	367	823
1975	28,442	26,685	3,235	16,554	6,896	432	1,752	4,713	653	1,104
1980	50,399	47,352	6,558	29,706	11,088	494	2,768	7,825	1,296	1,751
1981	54,241	51,153	8,122	32,370	10,660	506	3,144	7,011	1,378	1,711
1982	55,359	52,321	8,287	33,092	10,942	550	3,484	6,908	1,397	1,641
1983	58,873	55,893	9,742	34,804	11,346	795	3,842	6,709	1,385	1,595
1984	65,423	62,561	10,839	39,032	12,690	944	4,280	7,466	1,362	1,501
1985	71,169	68,268	11,991	42,058	14,220	1,225	4,858	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	83,809	80,242	12,284	49,107	18,852	1,402	7,283	10,167	1,695	1,872
1989	87,390	83,543	10,944	52,217	20,382	1,379	8,705	10,299	1,803	2,044
1990	92,873	89,317	9,238	57,492	22,587	1,391	10,161	11,035	1,784	1,772
1991 [2]	94,799	90,918	7,394	59,618	23,906	1,417	11,547	10,942	1,868	2,013
1992 [2]	101,954	98,136	7,896	64,825	25,414	1,215	13,086	11,113	1,848	1,971
Air	28,560	26,889	7,896	18,667	327	75	22	230	526	1,144
Water	38,222	37,162	-	25,067	12,095	656	556	10,883	741	320
Solid Waste	36,046	35,496	-	22,804	12,692	281	12,411	-	401	149
CONSTANT (1987) DOLLARS										
1972	46,032	42,814	3,450	30,243	9,122	402	3,693	5,027	959	2,259
1975	57,246	53,587	6,172	32,987	14,427	937	3,782	9,708	1,346	2,313
1980	65,590	61,305	7,297	38,673	15,335	679	4,015	10,641	1,873	2,413
1981	63,613	59,681	8,472	37,731	13,477	627	4,070	8,780	1,810	2,123
1982	61,714	58,115	8,494	36,462	13,159	649	4,287	8,224	1,709	1,890
1983	63,836	60,465	9,990	37,454	13,021	911	4,527	7,583	1,608	1,763
1984	68,913	65,812	11,040	40,708	14,063	1,048	4,803	8,212	1,506	1,596
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	81,465	78,030	12,067	47,805	18,158	1,340	6,953	9,866	1,643	1,792
1989	81,664	78,128	10,438	48,782	18,908	1,271	7,982	9,655	1,657	1,879
1990	83,901	80,706	8,657	51,881	20,169	1,228	8,864	10,077	1,636	1,560
1991 [2]	83,348	80,002	6,755	52,658	20,589	1,220	9,770	9,599	1,654	1,692
1992 [2]	87,594	84,328	7,019	55,994	21,315	1,041	10,734	9,540	1,619	1,648
Air	25,329	23,900	7,019	16,596	285	64	18	203	467	961
Water	33,919	32,993	-	22,478	10,514	565	613	9,337	660	266
Solid Waste	29,176	28,713	-	18,448	10,265	242	10,023	-	339	124

- 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.

No. 385. Air and Water Pollution Abatement Expenditures in Constant (1987) Dollars: 1972 to 1992

[In millions of dollars. Excludes agricultural production of crops and livestock except feedlots]

YEAR	AIR							WATER				
	Total	Mobile sources [1]			Stationary sources			Total [5]	Industrial		Public sewer systems	
		Total	Cars [2]	Trucks [2]	Total [3]	Industrial						
						Facilities	Operations [4]		Facilities	Operations [4]	Facilities	Operations [4]
1972	16,421	5,096	4,262	834	11,326	6,047	4,819	18,739	3,986	2,482	4,801	3,197
1975	21,291	9,703	7,805	1,898	11,588	6,781	4,318	23,923	4,093	3,066	9,426	3,722
1980	24,486	11,973	9,103	2,870	12,513	6,044	5,782	26,622	4,131	3,586	10,148	5,100
1981	25,688	13,818	11,092	2,726	11,870	5,851	5,360	23,892	3,306	4,011	8,270	5,297
1982	24,976	13,728	10,914	2,813	11,248	5,301	5,263	23,227	3,145	4,062	7,679	5,616
1983	25,906	15,943	12,756	3,186	9,963	3,879	5,353	23,328	2,564	4,231	7,063	5,959
1984	28,164	18,228	14,119	4,109	9,936	3,900	5,418	24,900	2,807	4,389	7,791	6,149
1985	29,050	19,373	14,896	4,477	9,677	3,409	5,730	26,017	2,771	4,590	8,124	6,550
1986	30,464	20,162	15,484	4,678	10,301	3,654	6,142	27,717	2,587	4,959	8,807	7,285
1987	27,421	17,614	13,166	4,448	9,807	3,482	5,843	29,420	2,566	5,257	10,035	7,792
1988	28,955	19,295	14,727	4,568	9,660	3,138	6,089	29,226	2,539	5,467	9,629	8,269
1989	25,982	16,402	12,511	3,892	9,580	3,184	5,965	30,164	3,046	5,613	9,412	8,803
1990	24,687	14,150	10,765	3,385	10,537	3,879	6,247	32,509	3,983	6,080	9,822	9,430
1991	22,903	12,024	8,909	2,809	10,880	4,814	5,644	32,050	3,940	5,623	9,340	10,251
1992	23,900	12,264	9,186	3,077	11,637	5,538	5,664	32,993	3,702	6,146	9,305	10,934

[1] Excludes expenditures to reduce emissions from sources other than cars and trucks. [2] Includes expenditures for devices such as catalytic convertors, and expenditures for devices. [3] Includes other expenditures not shown separately for fixed capital of government enterprises such as Tennessee Valley Authority. [4] Operation of facilities. [5] Includes expenditures for private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

Source of tables 384 and 385: U.S. Bureau of Economic Analysis, *Survey of Current Business,* May 1994.

No. 386. Pollution Abatement Capital Expenditures and Operating Costs of Manufacturing Establishments, by Selected Industry Group, 1993

[**In millions of dollars.** Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments and establishments with less than 20 employees]

YEAR AND INDUSTRY GROUP	POLLUTION ABATEMENT CAPITAL EXPENDITURES					POLLUTION ABATEMENT GROSS OPERATING COSTS [1]				
	Total	Air	Water	Solid waste		Total	Air	Water	Solid waste	
				Hazardous	Non-hazardous				Hazardous	Non-hazardous
All industries [2]	**7,177.9**	**4,122.0**	**2,294.9**	**278.8**	**482.1**	**17,555.0**	**5,574.6**	**6,631.8**	**1,874.6**	**3,474.0**
Food and kindred products	219.9	73.9	113.6	0.8	31.6	1,339.3	156.1	857.8	24.1	301.3
Paper and allied products	715.6	307.3	289.2	10.5	108.7	1,901.5	511.2	852.7	46.1	491.4
Chemical and allied products	1,957.9	767.5	937.9	105.2	147.3	4,348.2	1,013.6	1,957.0	688.1	689.5
Petroleum and coal products	2,648.5	1,974.7	567.2	80.8	25.8	2,647.9	1,585.3	685.2	187.2	190.1
Stone, clay, glass products	118.1	83.2	16.1	5.8	12.9	521.1	269.0	102.4	24.7	125.0
Primary metal industries	442.2	280.7	92.0	15.2	54.3	2,017.2	944.5	598.2	175.4	299.1
Fabricated metals products	102.9	44.8	39.3	8.0	10.9	679.4	126.6	267.3	116.9	168.5
Machinery, exc. electrical	105.0	65.7	20.2	7.3	11.8	445.1	71.9	157.2	63.9	152.1
Electrical, electronic equipment	176.7	92.7	67.9	10.6	5.6	662.4	121.8	297.5	101.9	141.2
Transportation equipment	277.6	178.7	67.1	14.1	17.7	1,194.4	302.4	350.9	243.2	298.0
Instruments, related products	105.0	65.1	19.2	13.6	7.1	336.6	59.3	94.1	74.7	108.5

[1] Includes payments to governmental units. [2] Includes industries not shown separately; excludes Major Group 23, Apparel and Other Textile Products.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-200, annual.

No. 387. Threatened and Endangered Wildlife and Plant Species—Number: 1994

[As of **October 19.** 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	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Arachnids	Plants
Endangered species, total	**307**	**228**	**79**	**14**	**78**	**15**	**53**	**14**	**23**	**4**	**416**
U.S. only	36	58	8	6	62	14	50	14	16	4	404
U.S. and foreign	19	17	6	-	5	-	1	-	3	-	11
Foreign only [1]	252	153	65	8	11	1	2	-	4	-	1
Threatened species, total	**31**	**16**	**33**	**5**	**36**	**7**	**6**	**3**	**9**	**-**	**90**
U.S. only	6	8	15	4	30	7	6	3	9	-	76
U.S. and foreign	3	8	4	1	6	-	-	-	-	-	12
Foreign only [1]	22	-	14	-	-	-	-	-	-	-	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. 388. Tornadoes, Floods, and Tropical Storms: 1984 to 1994

[See also *Historical Statistics, Colonial Times to 1970,* series J 268-278]

ITEM	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994, prel.
Tornadoes, number [1]	907	684	764	656	702	856	1,133	1,132	1,303	1,173	(NA)
Lives lost, total	122	94	15	59	32	50	53	39	39	33	(NA)
Most in a single tornado	16	18	3	30	5	21	29	13	10	7	(NA)
Property loss of $500,000 and over	125	69	75	38	48	60	91	64	108	72	(NA)
Floods: Lives lost	126	304	80	82	29	81	147	63	87	101	(NA)
Property loss (mil. dol.)	4,000	3,000	4,000	1,490	114	415	2,058	1,416	800	16,400	(NA)
North Atlantic tropical storms and hurricanes: [2]											
Number reaching U.S. coast	12	11	6	7	12	11	14	8	7	8	7
Hurricanes only	1	6	2	1	1	3	-	1	1	1	-
Lives lost in U.S.	4	30	9	-	6	56	10	17	26	9	38
Property loss (mil. (1990) dol.)[3]	77	4,457	18	8	9	7,840	57	1,500	25,000	57	973

- Represents zero. NA Not available. [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. 389. Normal Daily Mean Temperature—Selected Cities

[**In Fahrenheit degrees.** Airport data except as noted. Based on standard 30-year period, 1961 through 1990. See *Historical Statistics, Colonial Times to 1970,* series J 110-136 and J 164-267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	49.9	53.2	60.5	67.8	74.5	80.4	82.3	81.8	77.9	68.4	59.8	53.0	67.5
AK	Juneau	24.2	28.4	32.7	39.7	47.0	53.0	56.0	55.0	49.4	42.2	32.0	27.1	40.6
AZ	Phoenix	53.6	57.7	62.2	69.9	78.8	88.2	93.5	91.5	85.6	74.5	61.9	54.1	72.6
AR	Little Rock	39.1	43.6	53.1	62.1	70.2	78.4	81.9	80.6	74.1	63.0	52.1	42.8	61.8
CA	Los Angeles	56.8	57.6	58.0	60.1	62.7	65.7	69.1	70.5	69.9	66.8	61.6	56.9	63.0
	Sacramento	45.2	50.7	53.6	58.3	65.3	71.6	75.7	75.1	71.5	64.2	53.3	45.3	60.8
	San Diego	57.4	58.6	59.6	62.0	64.1	66.8	71.0	72.6	71.4	67.7	62.0	57.4	64.2
	San Francisco	48.7	52.2	53.3	55.6	58.1	61.5	62.7	63.7	64.5	61.0	54.8	49.4	57.1
CO	Denver	29.7	33.4	39.0	48.2	57.2	66.9	73.5	71.4	62.3	51.4	39.0	31.0	50.3
CT	Hartford	24.6	27.5	37.5	48.7	59.6	68.5	73.7	71.6	63.3	52.2	41.9	29.5	49.9
DE	Wilmington	30.6	33.4	42.7	52.2	62.5	71.5	76.4	75.0	68.0	56.2	46.3	35.8	54.2
DC	Washington	34.6	37.5	47.2	56.5	66.4	75.6	80.0	78.5	71.3	59.7	49.8	39.4	58.0
FL	Jacksonville	52.4	55.2	61.1	67.0	73.4	79.1	81.6	81.2	78.1	69.8	61.9	55.1	68.0
	Miami	67.2	68.5	71.7	75.2	78.7	81.4	82.6	82.8	81.9	78.3	73.6	69.1	75.9
GA	Atlanta	41.0	44.8	53.5	61.5	69.2	76.0	78.8	78.1	72.7	62.3	53.1	44.5	61.3
HI	Honolulu	72.9	73.0	74.4	75.8	77.5	79.4	80.5	81.4	81.0	79.6	77.2	74.1	77.2
ID	Boise	29.0	35.9	42.4	49.1	57.5	66.5	74.0	72.5	62.6	51.8	39.9	30.1	50.9
IL	Chicago	21.0	25.4	37.2	48.6	58.9	68.6	73.2	71.7	64.4	52.8	40.0	26.6	49.0
	Peoria	21.6	26.3	39.0	51.4	61.9	71.5	75.5	73.1	66.1	54.0	41.2	27.0	50.7
IN	Indianapolis	25.5	29.6	41.4	52.4	62.8	71.9	75.4	73.2	66.6	54.7	43.0	30.9	52.3
IA	Des Moines	19.4	24.7	37.3	50.9	62.3	71.8	76.6	73.9	65.1	53.5	39.0	24.4	49.9
KS	Wichita	29.5	34.8	45.4	56.4	65.6	75.7	81.4	79.3	70.3	58.6	44.7	33.0	56.2
KY	Louisville	31.7	35.7	46.3	56.3	65.3	73.2	77.2	75.8	69.5	57.6	47.1	36.9	56.1
LA	New Orleans	51.3	54.3	61.6	68.5	74.8	80.0	81.9	81.5	78.1	69.1	61.1	54.5	68.1
ME	Portland	20.8	23.3	33.0	43.3	53.3	62.4	68.6	67.3	59.1	48.5	38.7	26.5	45.4
MD	Baltimore	31.8	34.8	44.1	53.4	63.4	72.5	77.0	75.6	68.5	56.6	46.8	36.7	55.1
MA	Boston	28.6	30.3	38.6	48.1	58.2	67.7	73.5	71.9	64.8	54.8	45.3	33.6	51.3
MI	Detroit	22.9	25.4	35.7	47.3	58.4	67.6	72.3	70.5	63.2	51.2	40.2	28.3	48.6
	Sault Ste. Marie	12.9	14.0	24.0	38.2	50.5	58.0	63.8	62.6	55.1	45.3	33.0	19.0	39.7
MN	Duluth	7.0	12.3	24.4	38.6	50.8	59.8	66.1	63.7	54.2	43.7	28.4	12.8	38.5
	Minneapolis-St. Paul	11.8	17.9	31.0	46.4	58.5	68.2	73.6	70.5	60.5	48.8	33.2	17.9	44.9
MS	Jackson	44.1	47.9	56.7	64.6	72.0	78.8	81.5	80.9	75.9	64.7	55.8	47.8	64.2
MO	Kansas City	25.7	31.2	42.7	54.5	64.1	73.2	78.5	76.1	67.5	56.6	43.1	30.4	53.6
	St. Louis	29.3	33.9	45.1	56.7	66.1	75.4	79.8	77.6	70.2	58.4	46.2	33.9	56.1
MT	Great Falls	21.2	27.4	33.3	43.6	53.1	61.6	68.2	66.9	56.6	47.5	33.9	23.9	44.8
NE	Omaha	21.1	26.9	38.6	51.9	62.4	72.1	76.9	74.1	65.1	53.4	39.0	25.1	50.6
NV	Reno	32.9	38.0	42.8	48.6	56.5	65.1	71.6	69.6	60.4	50.8	40.3	32.7	50.8
NH	Concord	18.6	21.8	32.4	43.9	55.2	64.2	69.5	67.3	58.8	47.8	37.1	24.3	45.1
NJ	Atlantic City	30.9	33.0	41.5	50.0	60.4	69.4	74.7	73.4	66.1	54.9	45.8	35.8	53.0
NM	Albuquerque	34.2	40.0	46.9	55.2	64.2	74.2	78.5	75.9	68.6	57.0	44.3	35.3	56.2
NY	Albany	20.6	23.5	34.3	46.4	57.6	66.9	71.8	69.6	61.3	50.2	39.7	26.5	47.4
	Buffalo	23.6	24.5	33.8	45.2	56.6	65.9	71.1	69.0	61.9	51.1	40.5	29.1	47.7
	New York [1]	31.5	33.6	42.4	52.5	62.7	71.6	76.8	75.5	68.2	57.5	47.6	36.6	54.7
NC	Charlotte	39.3	42.5	50.9	59.4	67.4	75.7	79.3	78.3	72.4	61.3	52.1	42.6	60.1
	Raleigh	38.9	42.0	50.4	59.0	67.0	74.3	78.1	77.1	71.1	60.1	51.2	42.6	59.3
ND	Bismarck	9.2	15.7	28.2	43.0	55.0	64.4	70.4	68.3	57.0	45.7	28.6	14.0	41.6
OH	Cincinnati	28.1	31.8	43.0	53.2	62.9	71.0	75.1	73.5	67.3	55.1	44.3	33.5	53.2
	Cleveland	24.8	27.2	37.3	47.6	58.0	67.6	71.9	70.4	63.9	52.8	42.6	30.9	49.6
	Columbus	26.4	29.6	40.9	51.0	61.2	69.2	73.2	71.5	65.5	53.7	42.9	31.9	51.4
OK	Oklahoma City	35.9	40.9	50.3	60.4	68.4	76.7	82.0	81.1	73.0	62.0	49.6	39.3	60.0
OR	Portland	39.6	43.6	47.3	51.0	57.1	63.5	68.2	68.6	63.3	54.5	46.1	40.2	53.6
PA	Philadelphia	30.4	33.0	42.4	52.4	62.9	71.8	76.7	75.5	68.2	56.4	46.4	35.8	54.3
	Pittsburgh	26.1	28.7	39.4	49.6	59.5	67.9	72.1	70.5	63.9	52.4	42.3	31.5	50.3
RI	Providence	27.9	29.7	37.4	47.4	57.3	66.9	72.7	71.3	64.1	53.6	44.0	32.8	50.4
SC	Columbia	43.8	46.8	55.2	63.0	70.9	77.4	80.8	79.7	74.2	63.3	54.6	46.9	63.1
SD	Sioux Falls	13.8	19.7	32.5	46.9	58.4	68.3	74.3	71.4	60.9	48.6	33.0	18.3	45.5
TN	Memphis	39.7	44.2	53.1	62.9	71.2	79.1	82.6	81.0	74.2	63.1	52.5	43.7	62.3
	Nashville	36.2	40.4	50.2	59.2	67.7	75.6	79.3	78.1	71.8	60.4	50.0	40.5	59.1
TX	Dallas-Fort Worth	43.4	47.9	56.7	65.5	72.8	81.0	85.3	84.9	77.4	67.2	56.2	46.9	65.4
	El Paso	42.8	48.1	55.1	63.4	71.8	80.4	82.3	80.1	74.4	64.0	52.4	44.1	63.2
	Houston	50.4	53.9	60.6	68.3	74.5	80.4	82.6	82.3	78.2	69.6	61.0	53.5	67.9
UT	Salt Lake City	27.9	34.1	41.8	49.7	58.8	69.1	77.9	75.6	65.2	53.2	40.8	29.7	52.0
VT	Burlington	16.3	18.2	30.7	43.9	56.3	65.2	70.5	67.9	58.9	47.8	36.8	23.0	44.6
VA	Norfolk	39.1	41.0	48.6	57.0	66.1	74.1	78.2	77.2	71.9	61.2	52.5	43.8	59.2
	Richmond	35.7	38.7	48.0	57.3	66.0	73.9	78.0	76.8	70.0	58.6	49.6	40.1	57.7
WA	Seattle-Tacoma	40.1	43.5	45.6	49.2	55.1	60.9	65.2	65.5	60.6	52.8	45.3	40.5	52.0
	Spokane	27.1	33.3	38.7	45.9	53.9	62.0	68.8	68.4	58.9	47.3	35.1	27.8	47.3
WV	Charleston	32.1	35.5	45.9	54.8	63.5	71.4	75.1	73.9	67.7	56.2	46.8	37.0	55.0
WI	Milwaukee	18.9	23.0	33.3	44.4	54.6	65.0	70.9	69.3	61.7	50.3	37.7	24.4	46.1
WY	Cheyenne	26.5	29.3	33.6	42.5	52.0	61.3	68.4	66.4	57.4	47.0	35.2	27.8	45.6
PR	San Juan	77.0	77.1	78.0	79.4	80.9	82.3	82.6	82.7	82.5	81.9	80.0	78.1	80.2

[1] City office data.

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

No. 390. Normal Daily Maximum Temperature—Selected Cities

[**In Fahrenheit degrees.** 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 avg.
AL	Mobile	59.7	63.6	70.9	78.5	84.6	90.0	91.3	90.5	86.9	79.5	70.3	62.9	77.4
AK	Juneau	29.4	34.1	38.7	47.2	55.1	60.9	63.9	62.7	55.9	47.1	36.7	31.6	46.9
AZ	Phoenix	65.9	70.7	75.5	84.5	93.6	103.5	105.9	103.7	98.3	88.1	74.9	66.2	85.9
AR	Little Rock	49.0	53.9	64.0	73.4	81.3	89.3	92.4	91.4	84.6	75.1	62.7	52.5	72.5
CA	Los Angeles	65.7	65.9	65.5	67.4	69.0	71.9	75.3	76.6	76.6	74.4	70.3	65.9	70.4
	Sacramento	52.7	60.0	64.0	71.1	80.3	87.8	93.2	92.1	87.3	77.9	63.1	52.7	73.5
	San Diego	65.9	66.5	66.3	68.4	69.1	71.6	76.2	77.8	77.1	74.6	69.9	66.1	70.8
	San Francisco	55.6	59.4	60.8	63.9	66.5	70.3	71.6	72.3	73.6	70.1	62.4	56.1	65.2
CO	Denver	43.2	46.6	52.2	61.8	70.8	81.4	88.2	85.8	76.9	66.3	52.5	44.5	64.2
CT	Hartford	33.2	36.4	46.8	59.9	71.6	80.0	85.0	82.7	74.8	63.7	51.0	37.5	60.2
DE	Wilmington	38.7	41.9	52.1	62.6	72.9	81.4	85.6	84.1	77.7	66.6	55.5	43.9	63.6
DC	Washington	42.3	45.9	56.5	66.7	76.2	84.7	88.5	86.9	80.1	69.1	58.3	47.0	66.9
FL	Jacksonville	64.2	67.0	73.0	79.1	84.7	89.3	91.4	90.7	87.2	80.2	73.6	66.8	78.9
	Miami	75.2	76.5	79.1	82.4	85.3	87.6	89.0	89.0	87.8	84.5	80.4	76.7	82.8
GA	Atlanta	50.4	55.0	64.3	72.7	79.6	85.8	88.0	87.1	81.8	72.7	63.4	54.0	71.2
HI	Honolulu	80.1	80.5	81.6	82.8	84.7	86.5	87.5	88.7	88.5	86.9	84.1	81.2	84.4
ID	Boise	36.4	44.2	52.9	61.4	71.0	80.9	90.2	88.1	77.0	64.6	48.7	37.7	62.8
IL	Chicago	29.0	33.5	45.8	58.6	70.1	79.6	83.7	81.8	74.8	63.3	48.4	34.0	58.6
	Peoria	29.9	34.9	48.1	62.0	72.8	82.2	85.7	83.1	76.9	64.8	49.8	34.6	60.4
IN	Indianapolis	33.7	38.3	50.9	63.3	73.8	82.7	85.5	83.6	77.6	65.8	51.9	38.5	62.1
IA	Des Moines	28.1	33.7	46.9	61.8	73.0	82.2	86.7	84.2	75.6	64.3	48.0	32.6	59.8
KS	Wichita	39.8	45.9	57.2	68.3	76.9	86.8	92.8	90.7	81.4	70.6	55.3	43.0	67.4
KY	Louisville	40.3	44.8	56.3	67.3	76.0	83.5	87.0	85.7	80.3	69.2	56.8	45.1	66.0
LA	New Orleans	60.8	64.1	71.6	78.5	84.4	89.2	90.6	90.2	86.6	79.4	71.1	64.3	77.6
ME	Portland	30.3	33.1	41.4	52.3	63.2	72.7	78.8	77.4	69.3	58.7	47.0	35.1	54.9
MD	Baltimore	40.2	43.7	54.0	64.3	74.2	83.2	87.2	85.4	78.5	67.3	56.5	45.2	65.0
MA	Boston	35.7	37.5	45.8	55.9	66.6	76.3	81.8	79.8	72.8	62.7	52.2	40.4	59.0
MI	Detroit	30.3	33.3	44.4	57.7	69.6	78.9	83.3	81.3	73.9	61.5	48.1	35.2	58.1
	Sault Ste. Marie	21.1	23.2	32.8	48.0	62.6	70.5	76.3	73.8	65.9	54.3	40.0	26.2	49.6
MN	Duluth	16.2	21.7	32.9	48.2	61.9	71.0	77.1	73.9	63.8	52.3	35.2	20.7	47.9
	Minneapolis-St. Paul	20.7	26.6	39.2	56.5	69.4	78.8	84.0	80.7	70.7	58.8	41.0	25.5	54.3
MS	Jackson	55.6	60.1	69.3	77.4	84.0	90.6	92.4	92.0	88.0	79.1	69.2	59.5	76.4
MO	Kansas City	34.7	40.6	52.8	65.1	74.3	83.3	88.7	86.4	78.1	67.5	52.6	38.8	63.6
	St. Louis	37.7	42.6	54.6	66.9	76.1	85.2	89.3	87.3	79.9	68.5	54.7	41.7	65.4
MT	Great Falls	30.6	37.5	43.7	55.3	65.2	74.6	83.3	81.6	69.6	59.3	43.5	33.1	56.4
NE	Omaha	31.3	37.1	49.4	63.8	74.0	83.7	87.9	85.2	76.5	65.6	49.3	34.6	61.5
NV	Reno	45.1	51.7	56.3	63.7	72.9	83.1	91.9	89.6	79.5	68.6	53.8	45.5	66.8
NH	Concord	29.8	33.0	42.8	56.3	68.9	77.3	82.4	79.8	71.6	60.7	47.1	34.2	57.0
NJ	Atlantic City	40.4	42.5	51.6	60.7	71.2	80.0	84.5	83.3	76.6	66.0	55.7	45.3	63.2
NM	Albuquerque	46.8	53.5	61.4	70.8	79.7	90.0	92.5	89.0	81.9	71.0	57.3	47.5	70.1
NY	Albany	30.2	33.2	44.0	57.5	69.7	79.0	84.0	81.4	73.2	61.8	48.7	34.9	58.1
	Buffalo	30.2	31.6	41.7	54.2	66.1	75.3	80.2	77.9	70.8	59.4	47.1	35.3	55.8
	New York [1]	37.6	40.3	50.0	61.2	71.7	80.1	85.2	83.7	76.2	65.3	54.0	42.5	62.3
NC	Charlotte	49.0	53.0	62.3	71.2	78.3	85.8	88.9	87.7	81.9	72.0	62.6	52.3	70.4
	Raleigh	48.9	52.6	62.1	71.7	78.6	85.0	88.0	86.8	81.1	71.6	62.6	52.7	70.1
ND	Bismarck	20.2	26.4	38.5	54.9	67.8	77.1	84.4	82.7	70.8	58.7	39.3	24.5	53.8
OH	Cincinnati	36.6	40.8	53.0	64.2	74.0	82.0	85.5	84.1	77.9	66.0	53.3	41.5	63.2
	Cleveland	31.9	35.0	46.3	57.9	68.6	78.3	82.4	80.5	73.6	62.1	50.0	37.4	58.7
	Columbus	34.1	38.0	50.5	62.0	72.3	80.4	83.7	82.1	76.2	64.5	51.4	39.2	61.2
OK	Oklahoma City	46.7	52.1	62.0	71.9	79.1	87.3	93.4	92.5	83.8	73.6	60.4	49.9	71.1
OR	Portland	45.4	51.0	56.0	60.6	67.1	74.0	79.9	80.3	74.6	64.0	52.6	45.6	62.6
PA	Philadelphia	37.9	41.0	51.6	62.6	73.1	81.7	86.1	84.6	77.6	66.3	55.1	43.4	63.4
	Pittsburgh	33.7	36.9	49.0	60.3	70.6	78.9	82.6	80.8	74.3	62.5	50.4	38.6	59.9
RI	Providence	36.6	38.3	46.1	57.0	67.3	76.9	82.1	80.7	74.3	64.1	53.0	41.2	59.8
SC	Columbia	55.3	59.3	68.2	76.5	83.5	88.8	91.6	90.1	85.1	76.3	67.8	58.8	75.1
SD	Sioux Falls	24.3	29.6	42.3	59.0	70.7	80.5	86.3	83.3	73.1	61.2	43.4	28.0	56.8
TN	Memphis	48.5	53.5	63.2	73.3	81.0	89.3	92.3	90.8	83.9	74.3	62.3	52.5	72.1
	Nashville	45.9	50.8	61.2	70.8	78.8	86.5	89.5	88.4	82.5	72.5	60.4	50.2	69.8
TX	Dallas-Fort Worth	54.1	58.9	67.8	76.3	82.9	91.9	96.5	96.2	87.8	78.5	66.8	57.5	76.3
	El Paso	56.1	62.2	69.9	78.7	87.1	96.5	96.1	93.5	87.1	78.4	66.4	57.5	77.5
	Houston	61.0	65.3	71.1	78.4	84.6	90.1	92.7	92.5	88.4	81.6	72.4	64.7	78.6
UT	Salt Lake City	36.4	43.6	52.2	61.3	71.9	82.8	92.2	89.4	79.2	66.1	50.8	37.8	63.6
VT	Burlington	25.1	27.5	39.3	53.6	67.2	75.8	81.2	77.9	69.0	57.0	44.0	30.4	54.0
VA	Norfolk	47.3	49.7	57.9	66.9	75.3	82.9	86.4	85.1	79.6	69.5	61.2	52.2	67.8
	Richmond	45.7	49.2	59.5	70.0	77.8	85.1	88.4	87.1	80.9	70.7	61.3	50.2	68.8
WA	Seattle-Tacoma	45.0	49.5	52.7	57.2	63.9	69.9	75.2	75.2	69.3	59.7	50.5	45.1	59.4
	Spokane	33.2	40.6	47.7	57.0	65.8	74.7	83.1	82.5	72.0	58.6	41.4	33.8	57.5
WV	Charleston	41.2	45.3	56.7	66.8	75.5	83.1	85.7	84.4	78.8	68.2	57.3	46.0	65.8
WI	Milwaukee	26.1	30.1	40.4	52.9	64.3	74.9	79.9	77.8	70.6	58.7	44.7	31.2	54.3
WY	Cheyenne	37.7	40.5	44.9	54.7	64.6	74.4	82.2	80.0	71.1	60.0	46.8	38.8	58.0
PR	San Juan	83.2	83.6	84.4	85.8	87.2	88.6	88.5	88.7	88.8	88.3	85.9	83.8	86.4

[1] City office data.

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

No. 391. Normal Daily Minimum Temperature—Selected Cities

[**In Fahrenheit degrees.** 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 avg.
AL	Mobile	40.0	42.7	50.1	57.1	64.4	70.7	73.2	72.9	68.7	57.3	49.1	43.1	57.4
AK	Juneau	19.0	22.7	26.7	32.1	38.9	45.0	48.1	47.3	42.9	37.2	27.2	22.6	34.1
AZ	Phoenix	41.2	44.7	48.8	55.3	63.9	72.9	81.0	79.2	72.8	60.8	48.9	41.8	59.3
AR	Little Rock	29.1	33.2	42.2	50.7	59.0	67.4	71.5	69.8	63.5	50.9	41.5	33.1	51.0
CA	Los Angeles	47.8	49.3	50.5	52.8	56.3	59.5	62.8	64.2	63.2	59.2	52.8	47.9	55.5
	Sacramento	37.7	41.4	43.2	45.5	50.3	55.3	58.1	58.0	55.7	50.4	43.4	37.8	48.1
	San Diego	48.9	50.7	52.8	55.6	59.1	61.9	65.7	67.3	65.6	60.9	53.9	48.8	57.6
	San Francisco	41.8	45.0	45.8	47.2	49.7	52.6	53.9	55.0	55.2	51.8	47.1	42.7	49.0
CO	Denver	16.1	20.2	25.8	34.5	43.6	52.4	58.6	56.9	47.6	36.4	25.4	17.4	36.2
CT	Hartford	15.8	18.6	28.1	37.5	47.6	56.9	62.2	60.4	51.8	40.7	32.8	21.3	39.5
DE	Wilmington	22.4	24.8	33.1	41.8	52.2	61.6	67.1	65.9	58.2	45.7	37.0	27.6	44.8
DC	Washington	26.8	29.1	37.7	46.4	56.6	66.5	71.4	70.0	62.5	50.3	41.1	31.7	49.2
FL	Jacksonville	40.5	43.3	49.2	54.9	62.1	69.1	71.9	71.8	69.0	59.3	50.2	43.4	57.1
	Miami	59.2	60.4	64.2	67.8	72.1	75.1	76.2	76.7	75.9	72.1	66.7	61.5	69.0
GA	Atlanta	31.5	34.5	42.5	50.2	58.7	66.2	69.5	69.0	63.5	51.9	42.8	35.0	51.3
HI	Honolulu	65.6	65.4	67.2	68.7	70.3	72.2	73.5	74.2	73.5	72.3	70.3	67.0	70.0
ID	Boise	21.6	27.5	31.9	36.7	43.9	52.1	57.7	56.8	48.2	39.0	31.1	22.5	39.1
IL	Chicago	12.9	17.2	28.5	38.6	47.7	57.5	62.6	61.6	53.9	42.2	31.6	19.1	39.5
	Peoria	13.2	17.7	29.8	40.8	50.9	60.7	65.4	63.1	55.2	43.1	32.5	19.3	41.0
IN	Indianapolis	17.2	20.9	31.9	41.5	51.7	61.0	65.2	62.8	55.6	43.5	34.1	23.2	42.4
IA	Des Moines	10.7	15.6	27.6	40.0	51.5	61.2	66.5	63.6	54.5	42.7	29.9	16.1	40.0
KS	Wichita	19.2	23.7	33.6	44.5	54.3	64.6	69.9	67.9	59.2	46.6	33.9	23.0	45.0
KY	Louisville	23.2	26.5	36.2	45.4	54.7	62.9	67.3	65.8	58.7	45.8	37.3	28.6	46.0
LA	New Orleans	41.8	44.4	51.6	58.4	65.2	70.8	73.1	72.8	69.5	58.7	51.0	44.8	58.5
ME	Portland	11.4	13.5	24.5	34.1	43.4	52.1	58.3	57.1	48.9	38.3	30.4	17.8	35.8
MD	Baltimore	23.4	25.9	34.1	42.5	52.6	61.8	66.8	65.7	58.4	45.9	37.1	28.2	45.2
MA	Boston	21.6	23.0	31.3	40.2	49.8	59.1	65.1	64.0	56.8	46.9	38.3	26.7	43.6
MI	Detroit	15.6	17.6	27.0	36.8	47.1	56.3	61.3	59.6	52.5	40.9	32.2	21.4	39.0
	Sault Ste. Marie	4.6	4.8	15.3	28.4	38.4	45.5	51.3	51.3	44.3	36.2	25.9	11.8	29.8
MN	Duluth	-2.2	2.8	15.7	28.9	39.6	48.5	55.1	53.3	44.5	35.1	21.5	4.9	29.0
	Minneapolis-St. Paul	2.8	9.2	22.7	36.2	47.6	57.6	63.1	60.3	50.3	38.8	25.2	10.2	35.3
MS	Jackson	32.7	35.7	44.1	51.9	60.0	67.1	70.5	69.7	63.7	50.3	42.3	36.1	52.0
MO	Kansas City	16.7	21.8	32.6	43.8	53.9	63.1	68.2	65.7	56.9	45.7	33.6	21.9	43.7
	St. Louis	20.8	25.1	35.5	46.4	56.0	65.7	70.4	67.9	60.5	48.3	37.7	26.0	46.7
MT	Great Falls	11.6	17.2	22.8	31.9	40.9	48.6	53.2	52.2	43.5	35.8	24.3	14.6	33.1
NE	Omaha	10.9	16.7	27.7	39.9	50.9	60.4	65.9	62.9	53.6	41.2	28.7	15.6	39.5
NV	Reno	20.7	24.2	29.2	33.3	40.1	46.9	51.3	49.6	41.3	32.9	26.7	19.9	34.7
NH	Concord	7.4	10.4	22.1	31.5	41.4	51.2	56.5	54.7	46.0	34.9	27.0	14.4	33.1
NJ	Atlantic City	21.4	23.5	31.3	39.3	49.6	58.7	64.8	63.5	55.5	43.7	35.8	26.3	42.8
NM	Albuquerque	21.7	26.4	32.2	39.6	48.6	58.3	64.4	62.6	55.2	43.0	31.2	23.1	42.2
NY	Albany	11.0	13.8	24.5	35.1	45.4	54.6	59.6	57.8	49.4	38.6	30.7	18.2	36.6
	Buffalo	17.0	17.4	25.9	36.2	47.0	56.5	61.9	60.1	53.0	42.7	33.9	22.9	39.5
	New York [1]	25.3	26.9	34.8	43.8	53.7	63.0	68.4	67.3	60.1	49.7	41.1	30.7	47.1
NC	Charlotte	29.6	31.9	39.4	47.5	56.4	65.6	69.6	68.9	62.9	50.6	41.5	32.8	49.7
	Raleigh	28.8	31.3	38.7	46.2	55.3	63.6	68.1	67.5	61.1	48.4	39.7	32.4	48.4
ND	Bismarck	-1.7	5.1	17.8	31.0	42.2	51.6	56.4	53.9	43.1	32.5	17.8	3.3	29.4
OH	Cincinnati	19.5	22.7	33.1	42.2	51.8	60.0	64.8	62.9	56.6	44.2	35.3	25.3	43.2
	Cleveland	17.6	19.3	28.2	37.3	47.3	56.8	61.4	60.3	54.2	43.5	35.0	24.5	40.5
	Columbus	18.5	21.2	31.2	40.0	50.1	58.0	62.7	60.8	54.8	42.9	34.3	24.6	41.6
OK	Oklahoma City	25.2	29.6	38.5	48.8	57.7	66.1	70.6	69.6	62.2	50.4	38.6	28.6	48.8
OR	Portland	33.7	36.1	38.6	41.3	47.0	52.9	56.5	56.9	52.0	44.9	39.5	34.8	44.5
PA	Philadelphia	22.8	24.8	33.2	42.1	52.7	61.8	67.2	66.3	58.7	46.4	37.6	28.1	45.1
	Pittsburgh	18.5	20.3	29.8	38.8	48.4	56.9	61.6	60.2	53.5	42.3	34.1	24.4	40.7
RI	Providence	19.1	20.9	28.8	37.7	47.3	56.8	63.2	61.9	53.8	43.0	34.9	24.4	41.0
SC	Columbia	32.1	34.2	42.2	49.4	58.2	66.0	70.0	69.2	63.2	50.1	41.5	34.9	50.9
SD	Sioux Falls	3.3	9.7	22.6	34.8	45.9	56.1	62.3	59.4	48.7	36.0	22.6	8.6	34.2
TN	Memphis	30.9	34.8	43.0	52.4	61.2	68.9	72.9	71.1	64.5	51.9	42.7	34.8	52.4
	Nashville	26.5	29.9	39.1	47.5	56.6	64.7	68.9	67.7	61.1	48.3	39.6	30.9	48.4
TX	Dallas-Fort Worth	32.7	36.9	45.6	54.7	62.6	70.0	74.1	73.6	66.9	55.8	45.4	36.3	54.6
	El Paso	29.4	33.9	40.2	48.0	56.5	64.3	68.4	66.6	61.6	49.6	38.4	30.7	49.0
	Houston	39.7	42.6	50.0	58.1	64.4	70.6	72.4	72.0	67.9	57.6	49.6	42.2	57.3
UT	Salt Lake City	19.3	24.6	31.4	37.9	45.6	55.4	63.7	61.8	51.0	40.2	30.9	21.6	40.3
VT	Burlington	7.5	8.9	22.0	34.2	45.4	54.6	59.7	57.9	48.8	38.6	29.6	15.5	35.2
VA	Norfolk	30.9	32.3	39.3	47.1	56.8	65.2	70.0	69.4	64.2	52.9	43.8	35.4	50.6
	Richmond	25.7	28.1	36.3	44.6	54.2	62.7	67.5	66.4	59.0	46.5	37.9	29.9	46.6
WA	Seattle-Tacoma	35.2	37.4	38.5	41.2	46.3	51.9	55.2	55.7	51.9	45.8	40.1	35.8	44.6
	Spokane	20.8	25.9	29.6	34.7	41.9	49.2	54.4	54.3	45.8	36.0	28.8	21.7	36.9
WV	Charleston	23.0	25.7	35.0	42.8	51.5	59.8	64.4	63.4	56.5	44.2	36.3	28.0	44.2
WI	Milwaukee	11.6	15.9	26.2	35.8	44.8	55.0	62.0	60.8	52.8	41.8	30.7	17.5	37.9
WY	Cheyenne	15.2	18.1	22.1	30.1	39.4	48.3	54.6	52.8	43.7	33.9	23.7	16.7	33.2
PR	San Juan	70.8	70.6	71.6	72.9	74.5	76.1	76.8	76.7	76.2	75.5	74.0	72.4	74.0

[1] City office data.

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

No. 392. Highest Temperature of Record—Selected Cities

[**In Fahrenheit degrees.** Airport data, except as noted. For period of record through 1993]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	52	84	82	90	94	100	102	104	102	99	93	87	81	104
AK	Juneau	49	57	57	59	71	82	86	90	83	72	61	56	54	90
AZ	Phoenix	56	88	92	100	105	113	122	118	116	118	107	93	88	122
AR	Little Rock	52	83	85	91	95	98	105	112	108	106	97	86	80	112
CA	Los Angeles	58	88	92	95	102	97	104	97	98	110	106	101	94	110
	Sacramento	43	70	76	88	93	105	115	114	109	108	101	87	72	115
	San Diego	53	88	88	93	98	96	101	95	98	111	107	97	88	111
	San Francisco	66	72	78	85	92	97	106	105	100	103	99	85	75	106
CO	Denver	59	73	76	84	90	96	104	104	101	97	89	79	75	104
CT	Hartford	39	65	73	87	96	97	100	102	101	99	91	81	74	102
DE	Wilmington	46	75	78	86	94	95	99	102	101	100	91	85	74	102
DC	Washington	52	79	82	89	95	99	101	104	103	101	94	86	75	104
FL	Jacksonville	52	85	88	91	95	100	103	105	102	100	96	88	84	105
	Miami	51	88	89	92	96	95	98	98	98	97	95	89	87	98
GA	Atlanta	45	79	80	85	93	95	101	105	102	98	95	84	79	105
HI	Honolulu	24	87	88	88	89	93	92	92	93	94	94	93	89	94
ID	Boise	54	63	71	81	92	98	109	111	110	102	94	74	65	111
IL	Chicago	35	65	71	88	91	93	104	102	101	99	91	78	71	104
	Peoria	54	70	72	86	92	93	105	103	103	100	90	81	71	105
IN	Indianapolis	54	71	74	85	89	93	102	104	102	100	90	81	74	104
IA	Des Moines	54	65	73	91	93	98	103	105	108	101	95	76	69	108
KS	Wichita	41	75	84	89	96	100	110	113	110	107	95	85	83	113
KY	Louisville	46	77	77	86	91	95	102	105	101	104	92	84	76	105
LA	New Orleans	47	83	85	89	92	96	100	101	102	101	92	87	84	102
ME	Portland	53	64	64	86	85	94	98	99	103	95	88	74	69	103
MD	Baltimore	43	75	79	87	94	98	100	104	105	100	92	83	77	105
MA	Boston	42	63	70	81	94	95	100	102	102	100	90	78	73	102
MI	Detroit	35	62	65	81	89	93	104	102	100	98	91	77	68	104
	Sault Ste. Marie	53	45	47	75	85	89	93	97	98	95	80	67	60	98
MN	Duluth	52	52	55	78	88	90	93	97	97	95	86	70	55	97
	Minneapolis-St. Paul	55	58	60	83	95	96	102	105	102	98	89	75	63	105
MS	Jackson	30	82	85	89	94	99	105	106	102	104	95	88	84	106
MO	Kansas City	21	69	76	86	93	92	105	107	109	102	92	82	70	109
	St. Louis	36	76	85	89	93	93	102	107	107	104	94	85	76	107
MT	Great Falls	56	67	70	78	89	93	101	105	106	98	91	76	69	106
NE	Omaha	57	69	78	89	97	99	105	114	110	104	96	80	72	114
NV	Reno	52	70	75	83	89	96	103	104	105	101	91	77	70	105
NH	Concord	52	68	66	85	95	97	98	102	101	98	90	80	68	102
NJ	Atlantic City	50	78	75	87	94	99	106	104	102	99	90	84	75	106
NM	Albuquerque	54	69	76	85	89	98	105	105	101	100	91	77	72	105
NY	Albany	47	62	67	86	92	94	99	100	99	100	89	82	71	100
	Buffalo	50	72	65	81	94	90	96	97	99	98	87	80	74	99
	New York [1]	125	72	75	86	96	99	101	106	104	102	94	84	72	106
NC	Charlotte	54	78	81	90	93	100	103	103	103	104	98	85	77	104
	Raleigh	49	79	84	92	95	97	104	105	105	104	98	88	79	105
ND	Bismarck	54	62	69	81	93	98	107	109	109	105	95	75	65	109
OH	Cincinnati	32	69	73	84	89	93	102	103	102	98	88	81	75	103
	Cleveland	52	73	69	83	88	92	104	103	102	101	90	82	77	104
	Columbus	54	74	73	85	89	94	102	100	101	100	90	80	76	102
OK	Oklahoma City	40	80	84	93	100	104	105	109	110	102	96	87	86	110
OR	Portland	53	63	71	80	87	100	100	107	107	105	92	73	65	107
PA	Philadelphia	52	74	74	87	94	97	100	104	101	100	96	81	72	104
	Pittsburgh	41	69	69	82	89	91	98	103	100	97	87	82	74	103
RI	Providence	40	66	72	80	98	94	97	102	104	100	86	78	70	104
SC	Columbia	46	84	84	91	94	101	107	107	107	101	101	90	83	107
SD	Sioux Falls	48	66	70	87	94	100	110	108	108	104	94	76	61	110
TN	Memphis	52	78	81	85	94	99	104	108	105	103	95	85	81	108
	Nashville	54	78	84	86	91	97	106	107	104	105	94	84	79	107
TX	Dallas-Fort Worth	40	88	88	96	95	103	113	110	108	106	102	89	88	113
	El Paso	54	80	83	89	98	104	111	112	108	104	96	87	80	112
	Houston	24	84	91	91	95	97	103	104	107	102	96	89	83	107
UT	Salt Lake City	65	62	69	78	86	93	104	107	104	100	89	75	67	107
VT	Burlington	50	63	62	84	91	93	97	99	101	94	85	75	65	101
VA	Norfolk	45	78	81	88	97	100	101	103	104	99	95	86	80	104
	Richmond	64	80	83	93	96	100	104	105	102	103	99	86	80	105
WA	Seattle-Tacoma	49	64	70	75	85	93	96	99	99	98	89	74	64	99
	Spokane	46	59	61	71	90	96	101	103	108	98	86	67	56	108
WV	Charleston	46	79	78	89	94	93	98	104	101	102	92	85	80	104
WI	Milwaukee	53	62	65	82	91	93	101	101	103	98	89	77	63	103
WY	Cheyenne	58	66	71	74	83	90	100	100	96	93	83	73	69	100
PR	San Juan	39	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. 393. Lowest Temperature of Record—Selected Cities

[**In Fahrenheit degrees.** Airport data, except as noted. For period of record through 1993]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	52	3	11	21	32	43	49	60	59	42	30	22	8	3
AK	Juneau	49	-22	-22	-15	6	25	31	36	27	23	11	-5	-21	-22
AZ	Phoenix	56	17	22	25	32	40	50	61	60	47	34	25	22	17
AR	Little Rock	52	-4	-5	11	28	40	46	54	52	37	29	17	-1	-5
CA	Los Angeles	58	23	32	34	39	43	48	49	51	47	41	34	32	23
	Sacramento	43	23	23	26	32	36	41	48	49	43	36	26	18	18
	San Diego	53	29	36	39	41	48	51	55	57	51	43	38	34	29
	San Francisco	66	24	25	30	31	36	41	43	42	38	34	25	20	20
CO	Denver	59	-25	-30	-11	-2	22	30	43	41	17	3	-8	-25	-30
CT	Hartford	39	-26	-21	-6	9	28	37	44	36	30	17	1	-14	-26
DE	Wilmington	46	-14	-6	2	18	30	41	48	43	36	24	14	-7	-14
DC	Washington	52	-5	4	11	24	34	47	54	49	39	29	16	1	-5
FL	Jacksonville	52	7	19	23	34	45	47	61	63	48	36	21	11	7
	Miami	51	30	32	32	46	53	60	69	68	68	51	39	30	30
GA	Atlanta	45	-8	5	10	26	37	46	53	55	36	28	3	-	-8
HI	Honolulu	24	53	53	55	57	60	65	66	67	66	61	57	54	53
ID	Boise	54	-17	-15	6	19	22	31	35	34	23	11	-3	-25	-25
IL	Chicago	35	-27	-17	-8	7	24	36	40	41	28	17	1	-25	-27
	Peoria	54	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
IN	Indianapolis	54	-22	-21	-7	16	28	37	44	41	28	17	-2	-23	-23
IA	Des Moines	54	-24	-20	-22	9	30	38	47	40	26	14	-4	-22	-24
KS	Wichita	41	-12	-21	-2	15	31	43	51	48	31	18	1	-16	-21
KY	Louisville	46	-20	-19	-1	22	31	42	50	46	33	23	-1	-15	-20
LA	New Orleans	47	14	19	25	32	41	50	60	60	42	35	24	11	11
ME	Portland	53	-26	-39	-21	8	23	33	40	33	23	15	3	-21	-39
MD	Baltimore	43	-7	-3	6	20	32	40	50	45	35	25	13	-	-7
MA	Boston	42	-12	-4	6	16	34	45	50	47	38	28	15	-7	-12
MI	Detroit	35	-21	-15	-4	10	25	36	41	38	29	17	9	-10	-21
	Sault Ste. Marie	53	-36	-35	-24	-2	18	26	36	29	25	16	-10	-31	-36
MN	Duluth	52	-39	-33	-29	-5	17	27	35	32	22	8	-23	-34	-39
	Minneapolis-St. Paul	55	-34	-28	-32	2	18	34	43	39	26	15	-17	-29	-34
MS	Jackson	30	2	11	15	27	38	47	51	55	35	26	17	4	2
MO	Kansas City	21	-17	-19	-10	12	30	42	52	43	33	17	1	-23	-23
	St. Louis	36	-18	-10	-5	22	31	43	51	47	36	23	1	-16	-18
MT	Great Falls	56	-37	-35	-29	-6	15	31	40	30	21	-11	-25	-43	-43
NE	Omaha	57	-23	-21	-16	5	27	38	44	43	25	13	-9	-23	-23
NV	Reno	52	-16	-16	-2	13	18	25	33	24	20	8	1	-16	-16
NH	Concord	52	-33	-37	-16	8	21	30	35	29	21	10	-5	-22	-37
NJ	Atlantic City	50	-10	-11	5	12	25	37	42	40	32	20	10	-7	-11
NM	Albuquerque	54	-17	-5	8	19	28	40	52	50	37	21	-7	-7	-17
NY	Albany	47	-28	-21	-21	10	26	36	40	34	24	16	5	-22	-28
	Buffalo	50	-16	-20	-7	12	26	35	43	38	32	20	9	-10	-20
	New York [1]	25	-6	-15	3	12	32	44	52	50	39	28	5	-13	-15
NC	Charlotte	54	-5	5	4	24	32	45	53	53	39	24	11	2	-5
	Raleigh	49	-9	5	11	23	31	38	48	46	37	19	11	4	-9
ND	Bismarck	54	-44	-39	-31	-12	15	30	35	33	11	-10	-30	-43	-44
OH	Cincinnati	32	-25	-11	-11	17	27	39	47	43	31	16	1	-20	-25
	Cleveland	52	-19	-15	-5	10	25	31	41	38	32	19	3	-15	-19
	Columbus	54	-19	-13	-6	14	25	35	43	39	31	20	5	-17	-19
OK	Oklahoma City	40	-4	-3	3	20	37	47	53	51	36	16	11	-8	-8
OR	Portland	53	-2	-3	19	29	29	39	43	44	34	26	13	6	-3
PA	Philadelphia	52	-7	-4	7	19	28	44	51	44	35	25	15	1	-7
	Pittsburgh	41	-18	-12	-1	14	26	34	42	39	31	16	-1	-12	-18
RI	Providence	40	-13	-7	1	14	29	41	48	40	33	20	6	-10	-13
SC	Columbia	46	-1	5	4	26	34	44	54	53	40	23	12	4	-1
SD	Sioux Falls	48	-36	-31	-23	5	17	33	38	34	22	9	-17	-28	-36
TN	Memphis	52	-4	-11	12	29	38	48	52	48	36	25	9	-13	-13
	Nashville	54	-17	-13	2	23	34	42	51	47	36	26	-1	-10	-17
TX	Dallas-Fort Worth	40	4	7	15	29	41	51	59	56	43	29	20	-1	-1
	El Paso	54	-8	8	14	23	31	46	57	56	41	25	1	5	-8
	Houston	24	12	20	22	31	44	52	62	60	48	29	19	7	7
UT	Salt Lake City	65	-22	-30	2	14	25	35	40	37	27	16	-14	-21	-30
VT	Burlington	50	-30	-30	-20	2	24	33	39	35	25	15	-2	-26	-30
VA	Norfolk	45	-3	8	18	28	36	45	54	49	45	27	20	7	-3
	Richmond	64	-12	-10	11	23	31	40	51	46	35	21	10	-1	-12
WA	Seattle-Tacoma	49	-	1	11	29	28	38	43	44	35	28	6	6	-
	Spokane	46	-22	-17	-7	17	24	33	37	35	24	10	-21	-25	-25
WV	Charleston	46	-15	-6	-	19	26	33	46	41	34	17	6	-12	-15
WI	Milwaukee	53	-26	-19	-10	12	21	33	40	44	28	18	-5	-20	-26
WY	Cheyenne	58	-29	-34	-21	-8	16	25	38	36	8	-1	-16	-28	-34
PR	San Juan	39	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. 394. Normal Monthly and Annual Precipitation—Selected Cities

[**In inches.** Airport data, except as noted. Based on standard 30-year period, 1961 through 1990. See *Historical Statistics, Colonial Times to 1970,* series J 164-267, for related data]

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
DE	Wilmington	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
DC	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	36.25
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	4.51	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
NV	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	4.02	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, *Climatography of the United States,* No. 81.

No. 395. Average Number of Days With Precipitation of .01 Inch or More—Selected Cities

[Airport data, except as noted. For period of record through 1993, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	52	11	10	10	7	9	11	16	14	10	6	8	10	122
AK	Juneau [1]	49	18	17	18	17	17	15	17	18	20	24	20	21	221
AZ	Phoenix	54	4	4	4	2	1	1	4	5	3	3	3	4	36
AR	Little Rock	51	10	9	10	10	10	8	8	7	7	7	8	9	105
CA	Los Angeles	58	6	6	6	3	1	(Z)	1	(Z)	1	2	3	5	35
	Sacramento	54	10	9	9	5	3	1	(Z)	(Z)	1	3	7	9	58
	San Diego	53	7	6	7	4	2	1	(Z)	1	1	2	5	6	42
	San Francisco	66	11	10	10	6	3	1	(Z)	(Z)	1	4	7	10	62
CO	Denver	59	6	6	9	9	11	9	9	9	6	5	6	5	89
CT	Hartford	39	11	10	11	11	12	11	10	10	9	9	11	12	127
DE	Wilmington	46	11	9	11	11	11	10	9	9	8	8	9	10	116
DC	Washington	52	10	9	11	10	11	9	10	9	8	7	9	9	112
FL	Jacksonville	52	8	8	8	6	8	12	14	15	13	8	6	8	116
	Miami	51	7	6	6	6	10	15	16	17	17	14	9	6	129
GA	Atlanta	59	11	10	11	9	9	10	12	10	8	6	8	10	115
HI	Honolulu	44	10	9	9	9	7	6	7	6	7	9	9	10	98
ID	Boise	54	12	10	10	8	8	6	2	3	4	6	10	11	90
IL	Chicago	35	11	9	13	13	11	10	10	9	10	9	11	11	126
	Peoria	54	9	8	11	12	11	10	9	8	9	8	9	10	114
IN	Indianapolis	54	12	10	13	12	12	10	10	9	8	8	11	12	126
IA	Des Moines	54	8	7	10	11	11	11	9	9	9	8	7	8	108
KS	Wichita	40	6	5	8	8	11	9	7	7	8	6	5	6	86
KY	Louisville	46	11	11	13	12	12	10	11	8	8	8	10	11	125
LA	New Orleans	45	10	9	9	7	8	11	14	13	10	6	7	10	114
ME	Portland	53	11	10	11	12	12	11	10	9	9	9	12	12	129
MD	Baltimore	43	10	9	11	11	11	9	9	9	8	7	9	9	113
MA	Boston	42	11	11	12	11	11	11	9	10	9	9	11	12	126
MI	Detroit	35	13	11	13	13	11	10	10	10	10	10	12	14	136
	Sault Ste. Marie	52	19	15	13	11	11	11	10	11	13	14	17	19	166
MN	Duluth	52	12	10	11	11	12	13	11	11	12	9	11	12	134
	Minneapolis-St. Paul	55	9	7	10	10	11	12	10	10	10	8	9	9	115
MS	Jackson	30	11	9	10	9	10	8	10	10	8	6	8	10	110
MO	Kansas City	21	7	7	10	11	11	10	9	9	9	8	8	8	106
	St. Louis	36	8	8	11	11	11	9	9	8	8	8	10	9	111
MT	Great Falls	56	9	8	9	9	12	12	8	8	7	6	7	8	101
NE	Omaha	57	6	7	9	10	12	11	9	9	8	6	6	6	99
NV	Reno	51	6	6	6	4	4	3	2	2	2	3	5	6	50
NH	Concord	52	11	10	11	12	12	11	10	10	9	9	11	11	126
NJ	Atlantic City	50	11	10	11	11	10	9	9	9	8	7	9	10	112
NM	Albuquerque	54	4	4	5	3	5	4	9	10	6	5	4	4	61
NY	Albany	47	12	11	12	12	13	11	10	10	10	9	12	12	135
	Buffalo	50	20	17	16	14	12	10	10	11	11	12	16	20	169
	New York [2]	124	11	10	11	11	11	10	11	10	8	8	9	10	121
NC	Charlotte	54	10	10	11	9	10	9	11	10	7	7	8	10	111
	Raleigh	49	10	10	10	9	10	9	11	10	8	7	8	9	112
ND	Bismarck	54	8	7	8	8	10	11	9	8	7	5	6	8	96
OH	Cincinnati	46	12	11	13	13	12	10	10	9	8	8	11	12	130
	Cleveland	52	16	14	15	14	13	11	10	10	10	11	15	16	156
	Columbus	54	13	11	14	13	13	11	11	9	8	9	12	13	137
OK	Oklahoma City	54	6	6	7	8	10	9	6	7	7	6	5	6	83
OR	Portland	53	18	16	17	14	12	9	4	5	7	12	18	19	151
PA	Philadelphia	53	11	9	11	11	11	10	9	9	8	8	9	10	117
	Pittsburgh	41	16	14	16	14	13	11	11	10	10	10	13	16	153
RI	Providence	40	11	10	12	11	11	11	9	9	8	9	11	12	124
SC	Columbia	46	10	10	11	8	9	9	12	11	8	6	7	9	109
SD	Sioux Falls	48	6	7	9	9	11	11	10	9	8	6	6	6	98
TN	Memphis	43	10	9	11	10	9	9	9	8	7	6	9	10	107
	Nashville	52	11	11	12	11	11	9	10	9	8	7	9	11	119
TX	Dallas-Fort Worth	40	7	7	7	8	9	7	5	5	7	6	6	7	79
	El Paso	54	4	3	2	2	2	3	8	8	5	4	3	4	49
	Houston	24	11	8	9	7	9	9	9	9	9	7	8	9	106
UT	Salt Lake City	65	10	9	10	9	8	5	5	6	5	6	8	9	91
VT	Burlington	50	14	12	13	12	14	12	12	13	12	12	14	15	154
VA	Norfolk	45	11	10	11	10	10	9	11	10	8	8	8	9	115
	Richmond	56	10	9	11	9	11	9	11	10	8	7	8	9	113
WA	Seattle-Tacoma	49	18	16	17	14	10	9	5	6	9	13	18	19	154
	Spokane	46	14	11	11	9	9	8	5	5	6	7	13	15	113
WV	Charleston	46	15	14	15	14	13	11	13	11	10	10	12	14	151
WI	Milwaukee	53	11	9	12	12	12	11	10	9	9	9	11	11	125
WY	Cheyenne	58	6	6	9	10	12	11	11	10	7	6	6	6	100
PR	San Juan	38	17	13	12	13	17	15	19	18	17	17	18	19	196

Z Less than 1/2 day. [1] For period of record through 1989. [2] City office data.

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

No. 396. Snow and Ice Pellets—Selected Cities

[**In inches.** Airport data, except as noted. For period of record through 1993. T denotes trace]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	52	0.1	0.2	0.1	T	T	-	T	-	-	-	T	0.1	0.5
AK	Juneau	49	26.0	19.0	14.9	3.5	-	T	-	-	T	1.1	11.9	22.6	99.0
AZ	Phoenix	56	T	-	T	T	T	-	-	-	-	T	0.0	0.0	T
AR	Little Rock	51	2.3	1.4	0.5	T	-	-	-	-	-	T	0.2	0.7	5.1
CA	Los Angeles	58	T	T	T	-	-	-	-	-	-	-	-	T	T
	Sacramento	45	T	-	T	-	-	-	-	-	-	-	-	T	T
	San Diego	53	T	-	T	-	-	-	-	-	-	-	T	T	T
	San Francisco	66	0.0	T	T	-	-	-	-	-	-	-	-	-	T
CO	Denver	59	8.2	7.4	12.6	8.9	1.6	-	T	T	1.6	3.8	8.9	7.4	60.4
CT	Hartford	39	12.0	11.4	9.9	1.6	-	T	-	-	-	0.1	2.0	10.3	47.3
DE	Wilmington	46	6.6	6.0	3.3	0.2	T	T	T	-	-	-	0.9	3.3	20.4
DC	Washington	50	5.3	5.3	2.1	-	T	-	T	T	-	-	0.8	3.1	16.6
FL	Jacksonville	52	T	-	-	-	-	-	T	-	-	-	-	-	T
	Miami	51	-	-	-	-	-	-	-	-	-	-	-	-	0.0
GA	Atlanta	59	0.9	0.5	0.4	T	-	-	-	-	-	T	-	0.2	2.0
HI	Honolulu	47	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	Boise	54	6.8	3.6	1.7	0.6	0.1	T	T	T	-	0.1	2.2	5.8	20.9
IL	Chicago	35	10.7	8.1	7.0	1.7	0.1	T	T	T	T	0.4	1.9	8.3	38.2
	Peoria	50	6.6	5.4	4.1	0.9	-	-	T	-	T	0.1	2.1	5.9	25.1
IN	Indianapolis	62	6.1	5.8	3.4	0.5	-	T	-	T	-	0.2	1.8	4.9	22.7
IA	Des Moines	54	8.1	7.2	6.2	1.9	-	T	T	-	T	0.2	3.0	6.6	33.2
KS	Wichita	40	4.6	4.2	2.4	0.3	T	T	T	-	T	0.0	1.3	3.3	16.1
KY	Louisville	46	5.1	4.5	3.2	0.1	T	T	-	-	-	0.1	1.0	2.2	16.2
LA	New Orleans	47	0.0	0.1	T	T	T	-	-	-	-	-	T	0.1	0.2
ME	Portland	53	19.0	17.4	13.0	3.1	0.2	-	-	-	T	0.2	3.0	14.6	70.5
MD	Baltimore	43	5.9	6.5	3.8	0.1	T	-	T	-	-	-	1.0	3.5	20.8
MA	Boston	58	12.0	11.3	7.9	0.9	-	-	-	-	-	-	1.3	7.5	40.9
MI	Detroit	35	10.2	9.1	7.0	1.7	T	-	-	-	T	0.2	3.0	10.2	41.4
	Sault Ste. Marie	52	28.7	18.7	14.8	5.6	0.5	T	-	T	0.1	2.5	15.3	29.9	116.1
MN	Duluth	50	16.8	11.2	13.3	6.5	0.8	-	T	T	0.1	1.4	12.5	15.4	78.0
	Minneapolis-St. Paul	55	9.8	8.4	10.7	2.8	0.1	T	T	T	-	0.5	7.9	9.3	49.5
MS	Jackson	30	0.5	0.2	0.2	-	-	-	-	-	-	-	-	-	0.9
MO	Kansas City	59	5.8	4.5	3.6	0.8	T	T	T	-	T	-	1.1	4.4	20.2
	St. Louis	57	5.3	4.7	4.2	0.4	-	T	-	-	-	T	1.4	3.8	19.8
MT	Great Falls	56	9.9	8.3	10.4	7.2	1.8	0.3	T	0.1	1.5	3.4	7.5	8.7	59.1
NE	Omaha	58	7.4	6.6	6.4	1.0	0.1	T	-	-	T	0.3	2.6	5.5	29.9
NV	Reno	51	6.0	5.2	4.4	1.2	0.9	-	-	-	0.0	0.3	2.2	4.4	24.6
NH	Concord	52	17.7	14.6	10.9	2.4	0.1	T	-	-	T	0.1	3.8	13.6	63.2
NJ	Atlantic City	49	5.2	5.4	2.6	0.3	T	-	T	-	0.0	T	0.4	2.2	16.1
NM	Albuquerque	54	2.5	2.2	1.8	0.6	-	T	T	T	T	0.1	1.3	2.6	11.1
NY	Albany	47	16.0	14.2	11.1	2.7	0.1	T	T	-	T	0.2	4.1	14.9	63.3
	Buffalo	50	23.3	18.2	11.7	3.1	0.3	T	T	T	T	0.3	11.5	22.7	91.1
	New York [1]	125	7.5	8.4	5.0	0.9	T	-	T	-	-	-	0.9	5.4	28.1
NC	Charlotte	54	2.0	1.7	1.2	-	T	-	-	-	-	-	0.1	0.5	5.5
	Raleigh	49	2.2	2.6	1.3	-	-	-	T	-	-	-	0.1	0.8	7.0
ND	Bismarck	54	7.2	6.7	8.1	3.8	0.9	T	T	T	0.3	1.7	6.3	6.9	41.9
OH	Cincinnati	46	6.7	5.5	4.2	0.5	-	T	T	-	-	0.3	2.1	3.9	23.2
	Cleveland	52	12.6	12.3	10.6	2.3	0.1	T	T	-	T	0.6	5.0	11.9	55.4
	Columbus	46	8.1	6.2	4.5	0.9	-	T	-	-	T	0.1	2.3	5.5	27.6
OK	Oklahoma City	54	3.0	2.4	1.4	-	T	T	-	-	T	-	0.5	1.8	9.1
OR	Portland	53	3.3	1.0	0.4	T	-	T	-	T	T	-	0.4	1.4	6.5
PA	Philadelphia	51	6.4	6.4	3.7	0.3	T	T	-	-	-	-	0.6	3.4	20.8
	Pittsburgh	41	11.3	9.3	8.7	1.7	0.1	T	T	-	T	0.4	3.3	8.3	43.1
RI	Providence	40	9.4	9.6	7.6	0.7	0.2	-	-	-	-	0.1	1.0	7.0	35.6
SC	Columbia	46	0.5	0.8	0.3	T	-	-	-	T	-	-	T	0.3	1.9
SD	Sioux Falls	48	6.4	8.1	9.6	2.2	-	T	T	-	-	0.7	5.4	7.2	39.6
TN	Memphis	43	2.3	1.3	0.8	T	T	-	-	-	-	T	0.1	0.6	5.1
	Nashville	52	3.8	3.1	1.4	-	-	T	-	T	-	-	0.4	1.5	10.2
TX	Dallas-Fort Worth	40	1.2	1.0	0.2	T	T	-	-	-	-	T	0.1	0.2	2.7
	El Paso	54	1.4	0.8	0.4	0.3	T	T	T	-	T	-	0.9	1.7	5.5
	Houston	59	0.2	0.2	0.0	T	T	T	-	-	-	-	T	0.0	0.4
UT	Salt Lake City	65	13.5	9.4	9.4	5.0	0.6	T	T	T	0.1	1.3	6.6	12.0	57.9
VT	Burlington	50	18.8	16.8	12.4	3.8	0.2	-	T	-	-	0.2	6.6	18.1	76.9
VA	Norfolk	45	2.6	2.9	1.0	-	-	T	-	T	-	-	-	0.9	7.4
	Richmond	56	4.9	4.1	2.4	0.1	T	-	-	-	-	T	0.4	2.0	13.9
WA	Seattle-Tacoma	49	5.0	1.6	1.4	0.1	T	-	T	-	T	-	1.2	2.5	11.8
	Spokane	46	16.2	7.7	4.1	0.6	0.1	T	-	-	T	0.4	6.2	15.1	50.4
WV	Charleston	46	10.1	8.7	5.1	0.9	0.0	T	T	T	T	0.2	2.2	5.1	32.3
WI	Milwaukee	53	12.8	9.6	8.7	1.7	0.1	T	T	T	T	0.2	3.0	10.4	46.5
WY	Cheyenne	58	6.4	5.9	12.1	9.0	3.4	0.3	T	-	0.8	3.7	7.4	6.2	55.2
PR	San Juan	38	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

No. 397. 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 1993, 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)						
											Annual		Jan.		July	
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July			Length of record (yr.)	M	A	M	A	M	A
AL	Mobile	45	60	45	9.0	10.3	7.0	1,702	2,627	31	87	57	82	61	55	90
AK	Juneau	43	23	48	8.3	8.3	7.5	8,897	-	27	84	73	81	78	65	83
AZ	Phoenix	56	81	48	6.2	5.3	7.1	1,350	4,162	33	51	23	67	33	12	44
AR	Little Rock	35	60	51	7.8	8.5	6.7	3,155	2,005	33	84	57	80	61	55	88
CA	Los Angeles	58	72	45	7.5	6.7	7.9	1,458	727	34	79	64	70	59	67	86
	Sacramento	45	72	44	7.9	7.2	9.0	2,749	1,237	33	83	46	90	70	31	77
	San Diego	53	72	53	7.0	5.9	7.4	1,256	984	33	77	62	71	56	67	82
	San Francisco	66	72	66	10.6	7.2	13.6	3,016	145	34	84	62	86	66	58	86
CO	Denver	59	67	45	8.7	8.6	8.3	6,020	679	33	68	40	64	49	35	69
CT	Hartford	39	52	39	8.5	9.0	7.4	6,151	677	34	77	52	71	56	51	78
DE	Wilmington	46	55	45	9.1	9.8	7.8	4,937	1,046	46	78	55	75	60	53	79
DC	Washington	45	55	45	9.4	10.0	8.3	4,047	1,549	33	74	53	70	55	52	76
FL	Jacksonville	45	61	44	8.0	8.2	7.1	1,434	2,551	57	88	56	87	58	57	88
	Miami	44	68	44	9.3	9.5	8.0	200	4,198	29	84	61	84	59	65	84
GA	Atlanta	59	59	55	9.1	10.4	7.6	2,991	1,667	33	82	56	78	59	56	88
HI	Honolulu	44	74	44	11.3	9.5	13.2	-	4,474	24	72	55	81	61	52	67
ID	Boise	54	58	54	8.7	8.0	8.4	5,861	754	54	69	43	81	70	30	54
IL	Chicago	35	52	35	10.4	11.7	8.3	6,536	752	35	80	60	77	67	55	82
	Peoria	50	53	50	10.0	11.1	7.8	6,148	982	34	83	62	79	69	56	87
IN	Indianapolis	62	51	45	9.6	10.9	7.5	5,615	1,014	34	84	62	81	70	56	87
IA	Des Moines	44	55	44	10.8	11.5	8.9	6,497	1,036	32	80	60	76	67	56	82
KS	Wichita	39	62	40	12.3	12.1	11.4	4,791	1,628	40	80	56	79	63	53	79
KY	Louisville	46	53	46	8.3	9.6	6.8	4,514	1,288	33	81	58	76	64	56	85
LA	New Orleans	45	60	45	8.2	9.3	6.1	1,513	2,655	45	88	63	85	66	63	91
ME	Portland	53	55	53	8.8	9.2	7.6	7,378	268	53	79	59	76	60	60	80
MD	Baltimore	43	59	43	9.2	9.7	8.0	4,707	1,137	40	77	54	72	57	52	80
MA	Boston	58	55	36	12.5	13.8	11.0	5,641	678	29	72	58	67	57	58	73
MI	Detroit	35	49	35	10.4	11.9	8.5	6,569	626	35	81	60	80	69	54	82
	Sault Ste. Marie	52	43	52	9.2	9.7	7.8	9,316	131	52	85	67	81	74	61	89
MN	Duluth	45	49	44	11.0	11.6	9.4	9,818	180	32	81	63	77	70	60	85
	Minneapolis-St. Paul	55	54	55	10.5	10.5	9.4	7,981	682	34	79	60	74	67	54	81
MS	Jackson	30	59	30	7.4	8.4	5.9	2,467	2,215	30	91	58	87	65	56	94
MO	Kansas City	21	59	21	10.8	11.4	9.5	5,393	1,288	21	81	60	77	64	59	84
	St. Louis	45	55	48	10.6	11.5	8.5	4,758	1,534	33	83	59	81	66	55	84
MT	Great Falls	56	51	52	12.7	15.2	10.0	7,741	388	32	67	45	66	60	40	67
NE	Omaha	48	59	57	10.5	10.9	8.9	6,300	1,072	29	81	59	78	65	55	85
NV	Reno	51	69	51	6.6	5.6	7.1	5,674	508	30	70	31	79	51	22	63
NH	Concord	52	55	51	6.7	7.2	5.7	7,554	328	28	82	54	75	58	52	84
NJ	Atlantic City	35	56	35	10.0	10.9	8.4	5,169	826	29	82	56	78	58	56	83
NM	Albuquerque	54	76	54	9.0	8.0	9.0	4,425	1,244	33	60	29	71	41	18	60
NY	Albany	55	49	55	8.9	9.8	7.5	6,894	507	28	80	57	77	63	56	81
	Buffalo	50	43	54	11.9	14.2	10.3	6,747	477	33	80	63	79	72	56	78
	New York [2]	42	64	58	9.4	10.7	7.6	4,805	1,096	61	72	56	68	60	55	75
NC	Charlotte	45	59	44	7.4	7.8	6.6	3,341	1,582	33	82	54	78	56	55	86
	Raleigh	45	59	44	7.8	8.5	6.7	3,457	1,417	29	85	54	79	55	56	89
ND	Bismarck	54	55	54	10.2	10.0	9.2	8,968	488	34	80	57	75	68	52	84
OH	Cincinnati	42	49	46	9.1	10.7	7.2	5,248	996	31	82	60	79	68	56	85
	Cleveland	52	45	52	10.6	12.2	8.6	6,201	621	33	79	62	78	69	57	81
	Columbus	44	48	44	8.4	9.9	6.6	5,708	797	34	80	59	77	67	55	84
OK	Oklahoma City	44	64	45	12.3	12.6	10.9	3,659	1,859	28	80	55	78	60	56	80
OR	Portland	45	39	45	7.9	10.0	7.6	4,522	371	53	86	59	86	75	49	82
PA	Philadelphia	53	56	53	9.6	10.3	8.2	4,954	1,101	34	76	55	73	59	53	79
	Pittsburgh	41	44	41	9.1	10.6	7.3	5,968	654	33	79	57	76	65	52	82
RI	Providence	40	55	40	10.5	11.1	9.4	5,884	606	30	75	55	71	56	56	77
SC	Columbia	46	60	45	6.9	7.2	6.3	2,649	1,966	27	87	51	83	54	51	89
SD	Sioux Falls	48	57	45	11.1	11.0	9.8	7,809	744	30	82	60	77	68	55	83
TN	Memphis	41	59	45	8.8	10.0	7.5	3,082	2,118	54	81	57	79	63	56	84
	Nashville	52	57	52	8.0	9.1	6.6	3,729	1,616	28	84	57	80	63	55	89
TX	Dallas-Fort Worth	40	64	40	10.7	10.9	9.7	2,407	2,603	30	82	56	80	60	55	81
	El Paso	51	80	51	8.8	8.3	8.3	2,708	2,094	33	57	28	66	35	18	63
	Houston	24	56	24	7.9	8.2	7.0	1,599	2,700	24	90	60	86	64	60	93
UT	Salt Lake City	65	62	64	8.8	7.5	9.5	5,765	1,047	34	68	43	79	70	26	52
VT	Burlington	50	44	50	9.0	9.7	8.0	7,771	388	28	77	59	72	64	55	79
VA	Norfolk	45	58	45	10.6	11.5	9.0	3,495	1,422	45	78	57	74	59	56	81
	Richmond	48	56	45	7.7	8.1	6.9	3,963	1,348	59	83	53	80	57	53	85
WA	Seattle-Tacoma	49	38	45	9.0	9.7	8.3	4,908	190	34	83	62	81	74	53	82
	Spokane	46	47	46	8.9	8.8	8.6	6,842	398	34	78	52	85	79	36	65
WV	Charleston	46	48	46	6.2	7.4	5.0	4,646	1,031	46	83	56	77	63	54	90
WI	Milwaukee	53	52	53	11.5	12.6	9.7	7,324	479	33	80	64	76	68	60	82
WY	Cheyenne	58	64	36	12.9	15.3	10.4	7,326	285	34	65	44	57	50	41	70
PR	San Juan	38	75	38	8.4	8.5	9.6	-	5,558	38	79	65	82	64	66	79

- Represents zero. [1] Percent of days that are either clear or partly cloudy. [2] City office data.

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