



THE STATE OF HAWAII DATA BOOK 2000

A STATISTICAL ABSTRACT

DBEDT

THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

STATE OF HAWAII

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This report has been cataloged as follows:

Hawaii. Dept. of Business, Economic Development and Tourism. Research and Economic
Analysis Division. Statistics and Data Support Branch.

State of Hawaii data book; a statistical abstract. Honolulu: 1967-.

Annual.

None published for 1969.

1972 edition accompanied by supplement.

1999 edition available only on the Internet.

Continues same series under Department's earlier names.

1. Hawaii-Statistics. I. Data Book.
HA4007.H356.2000

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This report has been produced by the Hawaii State Department of Business, Economic Development & Tourism's Research and Economic Analysis Division, headed by Pearl Imada Iboshi, Ph.D. It was compiled and edited by Glenn K. Ifuku, Research and Statistics Officer, with the assistance of Robert C. Schmitt (retired State Statistician), Mary Blewitt, Hans Meyer, Jan Nakamoto, Paul Oshiro, Michelle Fernandez, Tam Yee, Angela Aniya, Brian Lee, Iris Mishima, Susan Yanos, David Hiromoto and the DBEDT Library. The Office of Planning, DBEDT, produced the maps.

Copies of this report are available from the DBEDT Research and Economic Analysis Division, 250 South Hotel Street, 4th floor, P. O. Box 2359, Honolulu, Hawaii 96804. The price per copy is \$20.00 in Hawaii, \$24.00 air-mailed postpaid to the continental United States, \$27.00 air-mailed postpaid to Canada, \$40.00 air-mailed postpaid to Mexico, and \$53.00 air-mailed postpaid to all other countries. Please make check or money order payable to **The State of Hawaii**.

ABOUT THIS BOOK

The Department of Business, Economic Development & Tourism is pleased to present the 2000 edition of the *State of Hawaii Data Book*, the official summary of statistics on the social, economic, and political organization of our state.

This edition, the 33rd in the series, closely follows the organization and format of its counterpart, the *Statistical Abstract of the United States*, to facilitate comparison of state and national data. It places the major emphasis on statewide data and less so on counties, islands, urban places, and smaller areas. Source references for additional statistical detail are provided in the introductions to the sections and at the end of each table.

Agencies of the federal, state, and county governments, as well as numerous private organizations, assisted DBEDT's Research and Economic Analysis Division in preparing the *Data Book*. To them, we extend our appreciation for their cooperation and contributions to this annual endeavor.



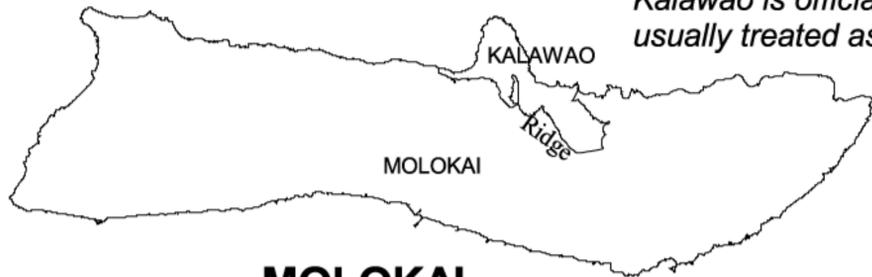
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Governor of Hawaii



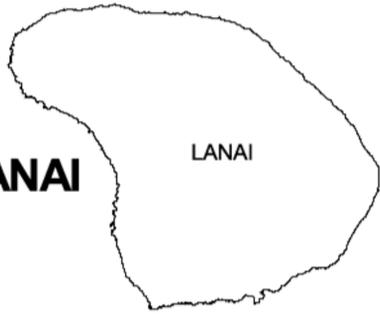
Seiji F. Naya
Director of Business,
Economic Development & Tourism

Kalawao is officially designated as a separate county but is usually treated as a district of Maui for statistical purposes.

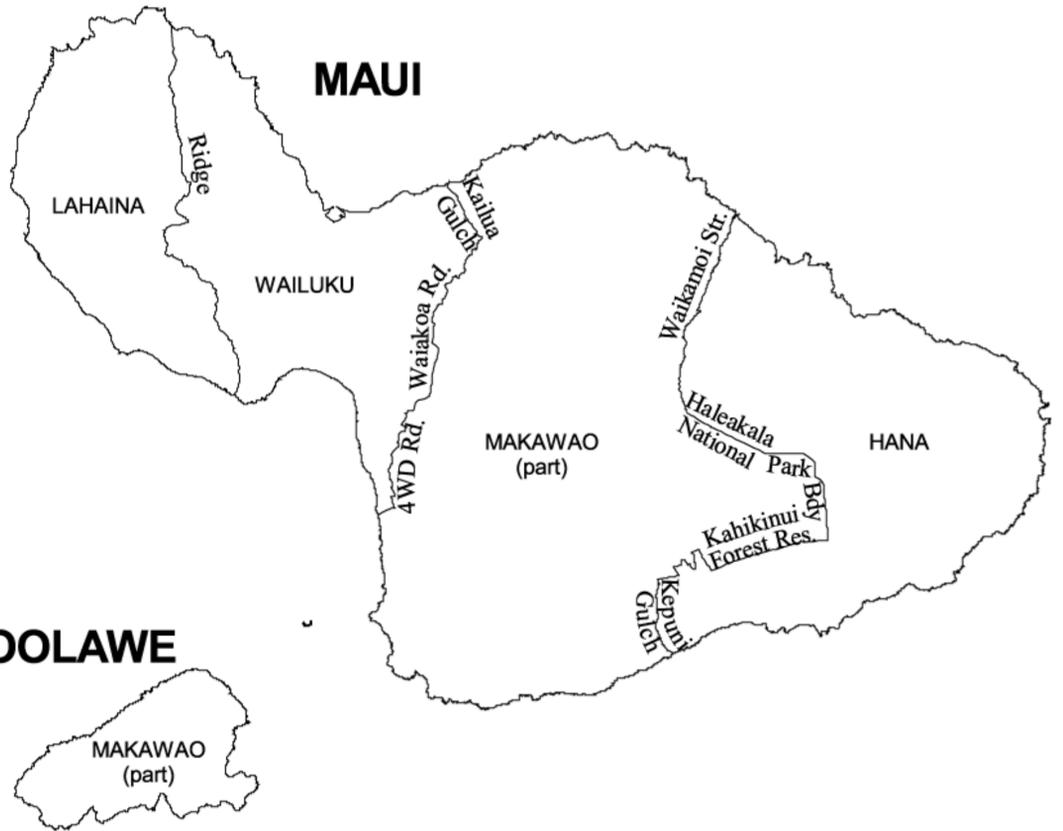
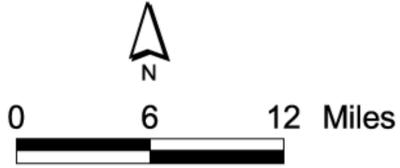
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MAUI
COUNTY**



MOLOKAI

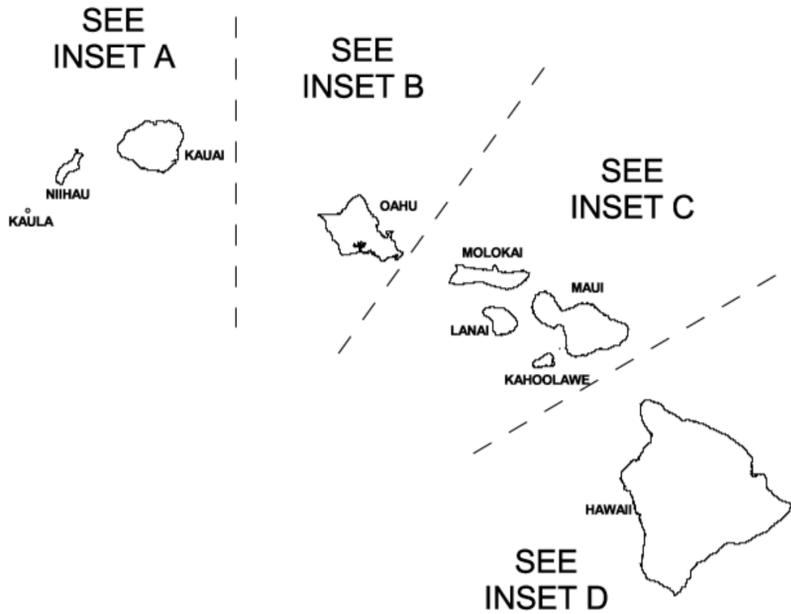


LANAI

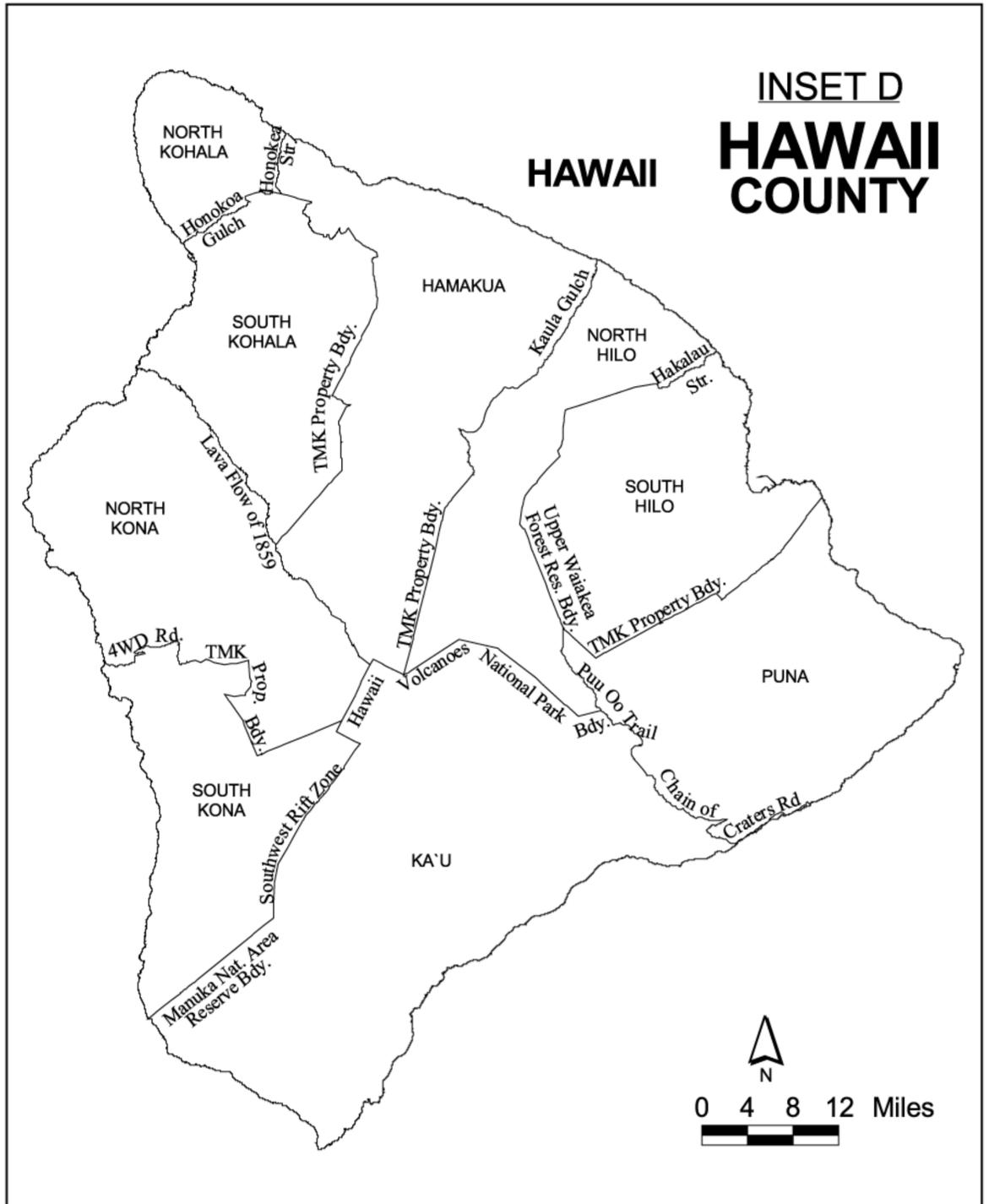


MAUI

KAHOOLAWE



**INSET D
HAWAII
COUNTY**



HAWAII



STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM
OFFICE OF PLANNING

GUIDE TO TABULAR PRESENTATION

The tables in this report generally follow the principles of tabular presentation used by the U.S. Census Bureau in its annual publication, *Statistical Abstract of the United States*, and described in *Bureau of the Census Manual of Tabular Presentation*, published by the Bureau in 1950. These principles have been accepted by the Department of Business, Economic Development & Tourism for use in its publications and recommended to all other state agencies for official use.

Headnotes immediately below table titles provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Unit indicators ("In thousands," "In millions of dollars," etc.) are usually given as the first element of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or in the column headings.

Footnotes below the bottom rule of tables give information relating to specific items, figures or symbols within the table.

Parallel vertical rules are used to the right of a total column to indicate --

- (1) that the components which follow add to the total;
- (2) in the case of derived figures, that the underlying data are additive to their total.

A dash (-) represents zero in references to absolute values. In rates and percentages, a zero (0) is used. Cells without available data usually show (NA), and sometimes three dots (...). The symbol (X) is used when data are not applicable.

In many tables, details will not add exactly to the totals and subtotals shown because of rounding.

Geographic coverage should be understood as statewide, unless otherwise indicated in the table title, headnote, boxhead, or stub. All annual statistics should be understood as referring to calendar years unless otherwise indicated.

The source of a table may include an address to an internet webpage. Should the link be invalid, please try the upper levels of the address.

Section 1

POPULATION

This section presents statistics on the growth, geographic distribution, and composition of the population of Hawaii, and on the number and characteristics of migrants moving to and from the state.

The principal sources for these data are the decennial population censuses conducted by the U.S. Census Bureau; the estimates developed annually by the Federal-State Cooperative Program for Population Estimates; the Hawaii Health Survey conducted regularly since 1969 by the Hawaii State Department of Health; the ongoing series on visitors present and residents absent currently provided by the Tourism Research Branch of the Hawaii State Department of Business, Economic Development & Tourism; and the U.S. Immigration and Naturalization Service tabulations on immigration. Earlier figures on population and migration are given in *Historical Statistics of Hawaii*, Sections 1 and 3. Comparable national statistics on population and migration appear in Section 1 of the *Statistical Abstract of the United States: 2000*.

Table 1.01-- POPULATION OF COUNTIES: 1831 TO 2000

[Population counts from missionary censuses of 1831-1832 and 1835-1836, censuses conducted by the Hawaiian government from 1850 to 1896, and censuses by the U.S. Bureau of the Census beginning in 1900. Data for 1831-1896 are on a de facto or unspecified basis; data for 1900 and later years are resident totals, including armed forces stationed in Hawaii. Based on county boundaries established in 1905 and 1909]

Census date	Total population		City & County of Honolulu	Hawaii County	Kauai County	Maui County (including Kalawao)
	Number	Percent change 1/				
1831-32 2/	130,313	...	29,755	45,792	12,024	42,742
1835-36 3/	108,579	-4.6	27,809	39,364	9,927	31,479
1850: January	84,165	-1.8	25,440	25,864	7,670	25,191
1853: Dec. 26	73,138	-3.5	19,126	24,450	7,781	21,781
1860: Dec. 24	69,800	-0.7	21,275	21,481	7,134	19,910
1866: Dec. 7	62,959	-1.7	19,799	19,808	6,624	16,728
1872: Dec. 27	56,897	-1.7	20,671	16,001	5,194	15,031
1878: Dec. 27	57,985	0.3	20,236	17,034	5,811	14,904
1884: Dec. 27	80,578	5.5	28,068	24,991	8,935	18,584
1890: Dec. 28	89,990	1.8	31,194	26,754	11,859	20,183
1896: Sept. 27	109,020	3.3	40,205	33,285	15,392	20,138
1900: June 1	154,001	9.4	58,504	46,843	20,734	27,920
1910: April 15	191,874	2.2	81,993	55,382	23,952	30,547
1920: January 1	255,881	3.0	123,496	64,895	29,438	38,052
1930: April 1	368,300	3.6	202,887	73,325	35,942	56,146
1940: April 1	422,770	1.4	257,696	73,276	35,818	55,980
1950: April 1	499,794	1.7	353,020	68,350	29,905	48,519
1960: April 1	632,772	2.4	500,409	61,332	28,176	42,855
1970: April 1	769,913	2.0	630,528	63,468	29,761	46,156
1980: April 1	964,691	2.3	762,565	92,053	39,082	70,991
1990: April 1	1,108,229	1.4	836,231	120,317	51,177	100,504
2000: April 1	1,211,537	0.9	876,156	148,677	58,463	128,241

1/ Annual rate since the preceding census, based on the formula for continuous compounding.

2/ Total population also reported as 129,814.

3/ Total population also reported as 108,393 and 108,568.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), pp. 11-14; U.S. Bureau of the Census, *1980 Census of Population*, PC80-1-A13 (October 1981), table 2, and *1990 Census of Population and Housing*, 1990 CPH-1-13 (August 1991), table 2; and U.S. Census Bureau, *Census 2000 Redistricting Data (P.L. 94-171) Summary File* (March 19, 2001).

Table 1.02-- CHARACTERISTICS OF THE POPULATION: 1831 TO 2000

[See headnote to table 1.01]

Year	Percent urban	Males per 100 females	Percent under 15 years old	Percent white 1/	Percent born in Hawaii	Persons per household 2/
1831-32	10.3	105.3	26.1	(NA)	(NA)	(NA)
1835-36	12.0	(NA)	(NA)	(NA)	(NA)	(NA)
1850	17.2	110.1	(NA)	(NA)	(NA)	(NA)
1853	15.7	113.1	(NA)	2.3	97.5	(NA)
1860	20.5	116.1	(NA)	2.7	(NA)	(NA)
1866	21.5	120.4	26.5	3.8	(NA)	(NA)
1872	26.1	125.4	27.8	5.2	92.1	(NA)
1878	24.3	142.8	28.1	6.5	83.6	(NA)
1884	25.4	177.5	28.0	20.6	57.4	(NA)
1890	25.5	187.7	26.1	21.0	53.5	(NA)
1896	27.4	198.7	27.7	20.6	48.8	(NA)
1900	25.5	223.3	22.6	17.3	38.3	3.71
1910	30.7	178.9	29.5	20.4	45.1	(NA)
1920	36.1	144.3	35.5	19.2	53.3	(NA)
1930	53.7	152.8	36.2	20.0	58.2	(NA)
1940	62.5	137.6	30.9	24.5	65.8	4.46
1950	69.0	121.2	31.2	23.0	71.1	4.14
1960	76.5	114.8	34.4	32.0	66.6	3.87
1970	83.5	108.1	30.0	39.2	59.2	3.59
1980	86.5	105.2	23.4	34.4	57.8	3.15
1990	89.0	103.6	21.5	33.4	56.1	3.01
2000	(NA)	101.0	20.3	3/ 39.3	(NA)	2.92

NA Not available.

1/ Includes Portuguese and most Puerto Ricans. Data for 1970-2000 also include some persons of mixed race.

2/ Based on population in households. Partly estimated for 1940.

3/ The Census 2000 allowed respondents to select one or more races. Data include persons selecting white race alone or in combination with one or more of the other four major race groups, which are Black or African American, American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander as well as the residual category of some other race.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), pp. 8, 20, 25, 33, and 90; U.S. Bureau of the Census, *1980 Census of Population, General Population Characteristics, Hawaii*, PC80-1-B13 (July 1982), tables 14, 17, and 20, and *General Social and Economic Characteristics, Hawaii*, PC80-1-C13 (June 1983), table 61; U.S. Bureau of the Census, *1990 Census of Population and Housing, Summary Population and Housing Characteristics, Hawaii*, 1990 CPH-1-13 (August 1991), tables 3 and 5, and *Population and Housing Unit Counts, Hawaii*, 1990 CPH-2-13 (March 1993), table 1; U.S. Bureau of the Census, *1990 Census of Population, General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 17, and *Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 23; and U.S. Census Bureau, *Census 2000 Redistricting Data (P.L. 94-171)* (March 19, 2001) and Summary File 1 Hawaii (July 25, 2001).

**Table 1.03-- RESIDENT POPULATION, BY MILITARY STATUS:
1980 TO 2000**

[Excludes visitors present but includes residents temporarily absent]

Year	Total resident population	Armed forces 2/	Civilian population		
			All civilians	Military dependents 3/	Not military dependents
1980: April 1	964,691	57,056	907,635	64,023	843,612
July 1	968,500	57,900	910,600	64,100	846,500
1981: July 1	978,195	56,576	921,619	64,344	857,275
1982: July 1	993,780	54,879	938,901	66,709	872,192
1983: July 1	1,012,717	55,162	957,555	66,252	891,303
1984: July 1	1,027,922	57,340	970,582	67,083	903,499
1985: July 1	1,039,698	56,383	983,315	64,281	919,034
1986: July 1	1,051,762	58,122	993,640	66,210	927,430
1987: July 1	1,067,917	58,122	1,009,795	64,850	944,945
1988: July 1	1,079,827	56,815	1,023,012	69,905	953,107
1989: July 1	1,094,588	56,360	1,038,228	60,274	977,954
1990: April 1	1,108,229	55,222	1,053,007	59,935	993,072
July 1	(1/)	55,288	(NA)	60,614	(NA)
1991: July 1	(1/)	54,738	(NA)	63,328	(NA)
1992: July 1	(1/)	55,099	(NA)	56,994	(NA)
1993: July 1	(1/)	52,674	(NA)	62,166	(NA)
1994: July 1	(1/)	52,845	(NA)	54,338	(NA)
1995: July 1	(1/)	50,729	(NA)	46,519	(NA)
1996: July 1	(1/)	47,986	(NA)	55,337	(NA)
1997: July 1	(1/)	44,542	(NA)	55,575	(NA)
1998: July 1	(1/)	44,984	(NA)	60,538	(NA)
1999: July 1	(1/)	41,361	(NA)	44,350	(NA)
2000: April 1	1,211,537	(NA)	(NA)	42,533	(NA)
July 1	(NA)	40,796	(NA)	(NA)	(NA)

1/ Revisions of the population estimates for 1990 through 1999 based upon the Census 2000 data have not been released yet.

2/ These figures are the estimates developed by the U.S. Census Bureau for use in population estimation. They differ somewhat from corresponding figures from other sources.

3/ Dependents living in Hawaii, regardless of location of family head.

Source: U.S. Census Bureau, Federal-State Cooperative Program for Population Estimates and Table 2. Resident Population of the 50 States, the District of Columbia, and Puerto Rico: Census 2000 (December 28, 2000) at <http://www.census.gov/population/www/cen2000/respop.html> accessed May 29, 2001; Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers.

Table 1.04-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 1980 TO 2000

Year	Resident population 1/		De facto population 3/		De facto-resident ratio
	Total	Temporarily absent 2/	Total	Visitors present 4/	
1980: April 1	964,691	10,688	1,051,508	97,504	1.090
July 1	968,500	10,688	1,054,218	96,406	1.089
1981: July 1	978,195	12,482	1,061,588	95,874	1.085
1982: July 1	993,780	16,544	1,082,311	105,075	1.089
1983: July 1	1,012,717	13,014	1,107,563	107,860	1.094
1984: July 1	1,027,922	17,086	1,129,088	118,252	1.098
1985: July 1	1,039,698	19,645	1,136,160	116,107	1.093
1986: July 1	1,051,762	18,291	1,165,826	132,355	1.108
1987: July 1	1,067,917	16,358	1,185,394	133,835	1.110
1988: July 1	1,079,827	21,988	1,198,637	140,798	1.110
1989: July 1	1,094,588	25,006	1,234,640	165,058	1.128
1990: April 1	1,108,229	28,602	1,230,731	151,104	1.111
July 1	(5/)	27,994	(5/)	154,516	(5/)
1991: July 1	(5/)	31,812	(5/)	147,323	(5/)
1992: July 1	(5/)	39,200	(5/)	152,249	(5/)
1993: July 1	(5/)	52,487	(5/)	147,498	(5/)
1994: July 1	(5/)	54,362	(5/)	156,630	(5/)
1995: July 1	(5/)	55,856	(5/)	157,098	(5/)
1996: July 1	(5/)	58,137	(5/)	158,297	(5/)
1997: July 1	(5/)	40,898	(5/)	157,187	(5/)
1998: July 1	(5/)	38,495	(5/)	157,388	(5/)
1999: July 1	(5/)	42,297	(5/)	164,439	(5/)
2000: April 1	1,211,537	42,021	1,337,991	168,475	1.104

1/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area but excludes persons of local origin attending school or in military service outside the area. See also table 1.03, footnotes 1 and 2.

2/ Figures reflect changes in research methodology by DBEDT in November 2000.

3/ The de facto population is defined as the number of persons physically present in an area, regardless of military status or usual place of residence; it includes visitors present but excludes residents temporarily absent.

4/ Average daily census. Figures reflect changes in research methodology by DBEDT in November 2000.

5/ Revisions of the population estimates for 1990 through 1999 based upon the Census 2000 data have not been released yet. Therefore, the de facto population and the de facto-resident ratio could not be calculated.

Source: U.S. Census Bureau, Federal-State Cooperative Program for Population Estimates and the Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001); Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch.

Table 1.05-- RESIDENT POPULATION OF ISLANDS: 1950 TO 2000

Island	1950	1960	1970	1980	1990	2000
State of Hawaii	499,794	632,772	769,913	964,691	1,108,229	1,211,537
Hawaii	68,350	61,332	63,468	92,053	120,317	148,677
Kahoolawe	-	-	-	-	-	-
Maui 1/	40,103	35,717	38,691	62,823	91,361	117,644
Lanai	3,136	2,115	2,204	2,119	2,426	3,193
Molokai	5,280	5,023	5,261	6,049	6,717	7,404
Oahu 2/	353,006	500,394	630,497	762,534	836,231	876,151
Kauai	29,683	27,922	29,524	38,856	50,947	58,303
Niihau 3/	222	254	237	226	230	160
Northwestern Hawaiian Islands	14	15	31	31	(6/)	5
Necker Island	-	(NA)	(NA)	-	-	5
French Frigate Shoals	14	(NA)	(NA)	4	-	-
Laysan Island	-	(NA)	(NA)	5	-	-
Kure Atoll	-	(NA)	(NA)	22	(6/)	-
Other islands 4/	-	(NA)	(NA)	-	-	-
OTHER ISLANDS 5/						
Midway Islands	416	2,356	2,220	453	13	(NA)
Baker Island	-	-	-	-	-	(NA)
Howland Island	-	-	-	-	-	(NA)
Jarvis Island	-	-	-	-	-	(NA)
Johnston Atoll	46	156	1,007	327	173	(NA)
Kingman Reef	-	-	-	-	-	(NA)
Palmyra Atoll	-	-	-	-	-	(NA)

NA Not available.

1/ Including Molokini, uninhabited.

2/ Including Sand Island (56 in 1970, 60 in 1980, 25 in 1990), Mokauea Island (12 in 1970, 11 in 1980, uninhabited in 1990), Ford Island (798 in 1970, 522 in 1980, 233 in 1990), and Moku o Loe (uninhabited in 1970, 16 in 1980, 6 in 1990). The combined total for Sand Island and Mokauea Island in 1960 was 36.

These offshore islands were not reported separately in other years.

3/ Including Lehua and Kaula, uninhabited.

4/ Nihoa, Gardner Pinnacles, Maro Reef, Lisianski Island, and Pearl and Hermes Atoll.

5/ Not legally part of the State of Hawaii.

6/ Reported as uninhabited by the 1990 Census but with 24 by the U.S. Coast Guard.

Source: U.S. Bureau of the Census, decennial census bulletins on number of inhabitants, census tracts, and block statistics, 1940-1990, and 1990 census printouts and tapes; U.S. Coast Guard, records (for Kure Atoll in 1990); and U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001).

Table 1.06-- RESIDENT POPULATION, BY COUNTIES: 1980 TO 2000

[Based on place of usual residence. Includes armed forces stationed or homeported in Hawaii and residents temporarily absent; excludes visitors present. Population estimates for 1991 through 1999 will be revised based upon the April 1, 2000 figures. For earlier versions of these estimates, see Data Book 1999, Table 1.06]

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
1980: April 1	964,691	762,565	92,053	39,082	70,991
July 1	968,500	764,600	92,900	39,400	71,600
1981: July 1	978,195	767,573	96,122	40,457	74,043
1982: July 1	993,780	776,075	98,798	41,804	77,103
1983: July 1	1,012,717	789,097	100,764	42,796	80,060
1984: July 1	1,027,922	797,791	103,528	43,634	82,969
1985: July 1	1,039,698	804,294	105,900	44,357	85,147
1986: July 1	1,051,762	810,444	108,362	45,567	87,389
1987: July 1	1,067,917	818,447	111,735	47,203	90,532
1988: July 1	1,079,827	824,072	113,439	48,549	93,767
1989: July 1	1,094,588	831,337	116,585	49,847	96,819
1990: April 1	1,108,229	836,231	120,317	51,177	100,504
2000: April 1	1,211,537	876,156	148,677	58,463	128,241

1/ Including Kalawao County (Kalaupapa Settlement). Kalawao had 144 inhabitants in 1980, 130 in 1990, and 147 in 2000.

Source: U.S. Bureau of the Census, *1980 Census of Population-Characteristics of the Population-Number of Inhabitants Hawaii*, PC80-1-A13 (October 1981), table 2 and *1990 Census of Population and Housing-Summary Population and Housing Characteristics Hawaii*, 1990 CPH-1-13 (August 1991), table 2; U.S. Census Bureau, *Census 2000 Redistricting Data (P.L. 94-171) Summary File* (March 19, 2001); and the U.S. Census Bureau, *Federal-State Cooperative Program for Population Estimates*.

Table 1.07-- DE FACTO POPULATION, BY COUNTIES: 1980 TO 2000

[Figures were revised. Includes all persons physically present in area, regardless of military status or usual place of residence. Includes visitors present but excludes residents temporarily absent, both calculated as an average daily census]

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
1980: April 1	1,051,508	821,068	98,588	46,048	85,803
July 1	1,054,218	822,408	99,181	46,341	86,288
1981: July 1	1,061,588	823,849	101,597	47,246	88,895
1982: July 1	1,082,311	835,903	104,087	48,304	94,016
1983: July 1	1,107,563	844,984	108,331	50,419	103,829
1984: July 1	1,129,088	851,350	109,480	54,027	114,230
1985: July 1	1,136,160	853,605	112,343	55,086	115,125
1986: July 1	1,165,826	869,891	116,451	59,599	119,885
1987: July 1	1,185,394	880,191	120,289	62,007	122,906
1988: July 1	1,198,637	887,025	122,038	64,090	125,484
1989: July 1	1,234,640	898,727	131,153	67,300	137,460
1990: April 1	1,230,731	896,260	133,202	66,699	134,569
2000: April 1	1,337,991	927,173	167,073	75,200	168,544

1/ Including Kalawao County (Kalaupapa Settlement).

Source: Federal-State Cooperative Program for Population Estimates; Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch; calculations by DBEDT.

Table 1.08-- RESIDENT AND DE FACTO POPULATION, BY COUNTIES AND ISLANDS: 1990 AND 2000

County and island	Resident population			De facto population		
	April 1, 1990	April 1, 2000	Percent change	April 1, 1990	April 1, 2000	Percent change
State total	1,108,229	1,211,537	9.3	1,248,360	1,337,991	7.2
Counties:						
Hawaii	120,317	148,677	23.6	135,080	167,073	23.7
Maui 1/	100,504	128,241	27.6	137,298	168,544	22.8
Honolulu	836,231	876,156	4.8	908,019	927,173	2.1
Kauai	51,177	58,463	14.2	67,963	75,200	10.6
Island:						
Hawaii	120,317	148,677	23.6	135,080	167,073	23.7
Maui	91,361	117,644	28.8	126,992	156,170	23.0
Kahoolawe	-	-	...	-	-	...
Lanai	2,426	3,193	31.6	2,629	4,243	61.4
Molokai	6,717	7,404	10.2	7,677	8,131	5.9
Oahu 2/	836,231	876,156	4.8	908,019	927,173	2.1
Kauai	50,947	58,303	14.4	67,737	75,040	10.8
Niihau	230	160	-30.4	226	160	-29.2

1/ Maui County includes Kalawao County.

2/ Includes the Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, except Midway (24 residents in 1990).

Source: U.S. Bureau of the Census, 1990 Public Law 94-171 counts; U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001); Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch, records.

**Table 1.09-- LAND AREA AND DE FACTO POPULATION DENSITY, BY
COUNTIES AND ISLANDS: 2000**

County and island	Land area		De facto population density	
	Square km.	Square miles	Per square km.	Per square mile
State total	16,636.5	6,423.4	80.4	208.3
Counties:				
Hawaii	10,433.1	4,028.0	16.0	41.5
Maui 1/	3,036.7	1,172.5	55.5	143.7
Honolulu	1,554.5	600.2	596.4	1,544.8
Kauai	1,612.2	622.5	46.6	120.8
Islands:				
Hawaii	10,433.1	4,028.0	16.0	41.5
Maui	1,883.7	727.2	82.9	214.8
Kahoolawe	115.6	44.6	0.0	0.0
Lanai	364.0	140.5	11.7	30.2
Molokai	673.4	260.0	12.1	31.3
Oahu 2/	1,554.5	600.2	596.4	1,544.8
Kauai	1,430.5	552.3	52.5	135.9
Niihau 3/	181.7	70.2	0.9	2.3

1/ Maui County includes Kalawao County.

2/ Includes the Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, except Midway (7.0 sq. km., 2.7 sq. mi., 24 inhabitants).

3/ Includes Kaula (1.0 sq. km., 0.4 sq. mi.) and Lehua (1.0 sq. km., 0.4 sq. mi.), both uninhabited.

Source: U.S. Census Bureau, records and Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001); de facto and density computed by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 1.10-- RESIDENT POPULATION OF COUNTIES AND DISTRICTS:
1980, 1990, AND 2000**

County and district (see maps, pp. 6-7)	April 1, 1980	April 1, 1990	April 1, 2000	Percent change	
				1980 to 1990	1990 to 2000
State total	964,691	1,108,229	1,211,537	14.9	9.3
Hawaii County	92,053	120,317	148,677	30.7	23.6
Puna	11,751	20,781	31,335	76.8	50.8
South Hilo	42,278	44,639	47,386	5.6	6.2
North Hilo	1,679	1,541	1,720	-8.2	11.6
Hamakua	5,128	5,545	6,108	8.1	10.2
North Kohala	3,249	4,291	6,038	32.1	40.7
South Kohala	4,607	9,140	13,131	98.4	43.7
North Kona	13,748	22,284	28,543	62.1	28.1
South Kona	5,914	7,658	8,589	29.5	12.2
Ka'u	3,699	4,438	5,827	20.0	31.3
Maui County 1/	70,991	100,504	128,241	41.6	27.6
Hana	1,423	1,895	1,855	33.2	-2.1
Makawao	19,005	29,207	36,476	53.7	24.9
Wailuku	32,111	45,685	61,346	42.3	34.3
Lahaina	10,284	14,574	17,967	41.7	23.3
Lanai	2,119	2,426	3,193	14.5	31.6
Molokai	5,905	6,587	7,257	11.5	10.2
Kalawao	144	130	147	-9.7	13.1
City & Co. of Honolulu	762,565	836,231	876,156	9.7	4.8
Honolulu	365,048	377,059	372,279	3.3	-1.3
Koolaupoko	109,373	117,694	117,994	7.6	0.3
Koolauloa	14,195	18,443	18,899	29.9	2.5
Waialua	9,849	11,549	14,027	17.3	21.5
Wahiawa	41,562	43,886	38,370	5.6	-12.6
Waianae	31,487	37,411	42,259	18.8	13.0
Ewa	191,051	230,189	272,328	20.5	18.3
Kauai County	39,082	51,177	58,463	30.9	14.2
Hanalei	2,668	4,631	6,348	73.6	37.1
Kawaihau	10,497	15,627	18,525	48.9	18.5
Lihue	8,590	10,663	12,022	24.1	12.7
Koloa	8,734	11,368	12,845	30.2	13.0
Waimea	8,593	8,888	8,723	3.4	-1.9

1/ Including Kalawao County.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Population and Housing Unit Counts, Hawaii*, 1990 CPH-2-13 (March 1993), table 8; U.S. Census Bureau, *Census 2000 Redistricting Data (P.L. 94-171) Summary File, County Subdivisions*.

**Table 1.11-- RESIDENT POPULATION OF ISLANDS AND CENSUS
DESIGNATED PLACES: 1990 AND 2000**

[This table presents data for the 131 "census designated places" defined by the Hawaii State Department of Business, Economic Development & Tourism, in cooperation with the U.S. Census Bureau, for the 2000 decennial census, under authority granted by Sec. 26-18, Hawaii Revised Statutes. Although described in the legislation as "cities, towns, and villages," none of these places is an independent municipality with separate government and taxing powers; the boundaries determined for these places are statistical rather than political]

Island and 2000 place	1990	2000	Change	% change
Hawaii	120,317	148,677	28,360	23.6
Ainaloa 1/	(NA)	1,910	(X)	(X)
Captain Cook	2,595	3,206	611	23.5
Eden Roc 1/	(NA)	451	(X)	(X)
Fern Acres 1/	(NA)	756	(X)	(X)
Fern Forest 1/	(NA)	480	(X)	(X)
Halaula	496	495	-1	-0.2
Hawaiian Acres 1/	(NA)	1,776	(X)	(X)
Hawaiian Beaches 2/	2,846	3,709	863	30.3
Hawaiian Ocean View	969	2,178	1,209	124.8
Hawaiian Paradise Park 2/	3,389	7,051	3,662	108.1
Hawi	924	938	14	1.5
Hilo	37,808	40,759	2,951	7.8
Holualoa 2/	3,834	6,107	2,273	59.3
Honalo	1,926	1,987	61	3.2
Honaunau-Napoopoo	2,373	2,414	41	1.7
Honokaa	2,186	2,233	47	2.2
Honomu	532	541	9	1.7
Kahaluu-Keauhou	1,990	2,414	424	21.3
Kailua 2/	9,126	9,870	744	8.2
Kalaoa 2/	4,490	6,794	2,304	51.3
Kapaau	1,083	1,159	76	7.0
Keaau	1,584	2,010	426	26.9
Kealahou	1,453	1,645	192	13.2
Kukuihaele	316	317	1	0.3
Kurtistown 2/	910	1,157	247	27.1
Laupahoehoe	508	473	-35	-6.9
Leilani Estates 1/	(NA)	1,046	(X)	(X)
Mountain View 2/	3,075	2,799	-276	-9.0
Naalehu	1,027	919	-108	-10.5
Nanawale Estates 1/	(NA)	1,073	(X)	(X)
Orchidlands Estates 1/	(NA)	1,731	(X)	(X)
Paaui	620	571	-49	-7.9
Pahala	1,520	1,378	-142	-9.3

Continued on next page.

**Table 1.11-- RESIDENT POPULATION OF ISLANDS AND CENSUS
DESIGNATED PLACES: 1990 AND 2000 -- Con.**

Island and 2000 place	1990	2000	Change	% change
Hawaii (con.):				
Pahoa	1,027	962	-65	-6.3
Papaikou	1,634	1,414	-220	-13.5
Paukaa	495	495	-	0.0
Pepeekeo	1,813	1,697	-116	-6.4
Puako	397	429	32	8.1
Volcano	1,516	2,231	715	47.2
Waikoloa Village	2,248	4,806	2,558	113.8
Waimea	5,972	7,028	1,056	17.7
Wainaku	1,243	1,227	-16	-1.3
Maui	91,361	117,644	26,283	28.8
Haiku-Pauwela	4,509	6,578	2,069	45.9
Haliimaile	841	895	54	6.4
Hana	683	709	26	3.8
Kaanapali	579	1,375	796	137.5
Kahului	16,889	20,146	3,257	19.3
Kapalua	408	467	59	14.5
Kihei	11,107	16,749	5,642	50.8
Lahaina	9,073	9,118	45	0.5
Maalaea	443	454	11	2.5
Makawao	5,405	6,327	922	17.1
Napili-Honokowai	4,332	6,788	2,456	56.7
Paia	2,091	2,499	408	19.5
Pukalani	5,879	7,380	1,501	25.5
Waihee-Waiehu	4,004	7,310	3,306	82.6
Waikapu	729	1,115	386	52.9
Wailea-Makena	3,799	5,671	1,872	49.3
Wailuku	10,688	12,296	1,608	15.0
Kahoolawe	-	-	(X)	(X)
Lanai	2,426	3,193	767	31.6
Lanai City	2,400	3,164	764	31.8
Molokai	6,717	7,404	687	10.2
Kaunakakai	2,658	2,726	68	2.6
Kualapuu	1,661	1,936	275	16.6
Maunaloa	405	230	-175	-43.2

Continued on next page.

**Table 1.11-- RESIDENT POPULATION OF ISLANDS AND CENSUS
DESIGNATED PLACES: 1990 AND 2000 -- Con.**

Island and 2000 place	1990	2000	Change	% change
Oahu: 3/	836,231	876,156	39,925	4.8
Ahuimanu	8,387	8,506	119	1.4
Aiea	8,906	9,019	113	1.3
Barbers Point Housing	2,218	67	-2,151	-97.0
Ewa Beach	14,315	14,650	335	2.3
Ewa Gentry	1,992	4,939	2,947	147.9
Ewa Villages	3,780	4,741	961	25.4
Halawa 2/	13,408	13,891	483	3.6
Haleiwa	2,442	2,225	-217	-8.9
Hauula 2/	3,479	3,651	172	4.9
Heeia	5,010	4,944	-66	-1.3
Hickam Housing	6,553	5,471	-1,082	-16.5
Honolulu 4/	377,059	371,657	-5,402	-1.4
Iroquois Point	4,188	2,462	-1,726	-41.2
Kaaawa	1,138	1,324	186	16.3
Kahaluu	3,068	2,935	-133	-4.3
Kahuku	2,063	2,097	34	1.6
Kailua	36,818	36,513	-305	-0.8
Kaneohe	35,448	34,970	-478	-1.3
Kaneohe Station 5/	11,662	11,827	165	1.4
Kawela Bay	366	410	44	12.0
Laie	5,577	4,585	-992	-17.8
Maili	6,059	5,943	-116	-1.9
Makaha	7,990	7,753	-237	-3.0
Makaha Valley	1,012	1,289	277	27.4
Makakilo City	9,828	13,156	3,328	33.9
Maunawili	4,847	4,869	22	0.5
Mililani Town	29,359	28,608	-751	-2.6
Mokuleia	1,776	1,839	63	3.5
Nanakuli	9,575	10,814	1,239	12.9
Pearl City	30,993	30,976	-17	-0.1
Punaluu	672	881	209	31.1
Pupukea	4,111	4,250	139	3.4
Schofield Barracks	19,597	14,428	-5,169	-26.4
Village Park	7,407	9,625	2,218	29.9
Wahiawa	17,386	16,151	-1,235	-7.1
Waialua	3,943	3,761	-182	-4.6
Waianae	8,758	10,506	1,748	20.0
Waikane	717	726	9	1.3
Waimalu	29,967	29,371	-596	-2.0
Waimanalo	3,508	3,664	156	4.4
Waimanalo Beach	4,185	4,271	86	2.1
Waipahu	31,435	33,108	1,673	5.3

Continued on next page.

**Table 1.11-- RESIDENT POPULATION OF ISLANDS AND CENSUS
DESIGNATED PLACES: 1990 AND 2000 -- Con.**

Island and 2000 place	1990	2000	Change	% change
Oahu (con.):				
Waipio	11,812	11,672	-140	-1.2
Waipio Acres	5,304	5,298	-6	-0.1
Wheeler AFB	2,600	2,829	229	8.8
Whitmore Village	3,373	4,057	684	20.3
Kauai	50,947	58,303	7,356	14.4
Anahola	1,181	1,932	751	63.6
Eleele	1,489	2,040	551	37.0
Hanalei	461	478	17	3.7
Hanamaulu	3,611	3,272	-339	-9.4
Hanapepe	1,395	2,153	758	54.3
Kalaheo 2/	3,592	3,913	321	8.9
Kalihiwai	435	717	282	64.8
Kapaa 2/	8,149	9,472	1,323	16.2
Kaumakani	803	607	-196	-24.4
Kekaha	3,506	3,175	-331	-9.4
Kilauea	1,685	2,092	407	24.2
Koloa	1,791	1,942	151	8.4
Lawai	1,787	1,984	197	11.0
Lihue	5,536	5,674	138	2.5
Omao	1,142	1,221	79	6.9
Pakala Village	565	478	-87	-15.4
Poipu	975	1,075	100	10.3
Princeville	1,244	1,698	454	36.5
Puhi	1,210	1,186	-24	-2.0
Wailua	2,018	2,083	65	3.2
Wailua Homesteads	3,870	4,567	697	18.0
Waimea	1,840	1,787	-53	-2.9
Niihau, Lehua and Kaula	230	160	-70	-30.4

NA Not available.

X Not applicable.

1/ New census designated place for the 2000 Census.

2/ Modified between the 1990 and the 2000 censuses.

3/ Includes the Northwestern Hawaiian Islands, except Midway. This is the area legally described as the City and County of Honolulu.

4/ Modified between the 1990 and 2000 censuses. Honolulu CDP is coterminous with Honolulu Census County Division and also Honolulu District. It extends from Red Hill to Makapuu Point, south and west of the crest of the Koolau Mts. Like all other CDPs on Oahu, it is part of a single municipality, the City and County of Honolulu. The 1990 population count has been corrected from earlier published figures.

5/ Previously referred to as Mokapu in the 1980 census.

Source: U.S. Bureau of the Census, Summary Tape File (STF) 1A; U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001); compilation and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

Table 1.12-- POPULATION RANKING OF THE STATE, HONOLULU, AND COUNTIES: 1990 AND 2000

Comparison 1/	Resident population, 2000	Ranking		
		Population 2/		Percent change, 1990-2000 3/
		1990	2000	
State of Hawaii:				
Among the 50 States and D.C.	1,211,537	41	42	31
Among the 50 States	1,211,537	41	42	31
Honolulu MSA: 4/				
Among all MSAs and CMSAs	876,156	54	56	5/ 218
City and County of Honolulu: 6/				
Among all counties	876,156	40	48	1,975
Among all incorporated places	876,156	11	12	7/ 170
Honolulu CDP: 8/				
Among all incorporated places	365,272	41	47	7/ 191
Hawaii County 9/	148,677	383	363	501
Kalawao County 9/	147	3,140	3,140	1,127
Kauai County 9/	58,463	823	818	1,032
Maui County 9/	128,094	457	422	375

1/ MSA, Metropolitan Statistical Area; CMSA, Consolidated MSA; CDP, Census Designated Place, that is, an unincorporated urban place.

2/ Largest number ranking 1.

3/ Ranking of the area in regard to 1990-2000 population percent change, greatest percent change ranking 1.

4/ The Honolulu MSA consists of the City and County of Honolulu, comprising Oahu and the Northwestern Hawaiian Islands (except Midway).

5/ 1990-2000 percent change ranking among the 280 U.S. Metropolitan Areas (MAs).

6/ The City and County of Honolulu consists of Oahu and the Northwestern Hawaiian Islands (except Midway).

7/ 1990-2000 percent change ranking among the 243 U.S. cities with populations of 100,000 and greater.

8/ The Honolulu CDP consists of Honolulu District, comprising the area between Red Hill and Makapuu Point, south and southwest of the crest of the Koolau Mountains, and the Northwestern Hawaiian Islands (except Midway). Honolulu and Arlington are the only CDPs for which postcensal population estimates are calculated by the U.S. Census Bureau.

9/ Among all 3,141 U.S. counties.

Source: U.S. Census Bureau, press releases, printouts, and records.

1990 NEIGHBORHOOD STATISTICS PROGRAM AREAS



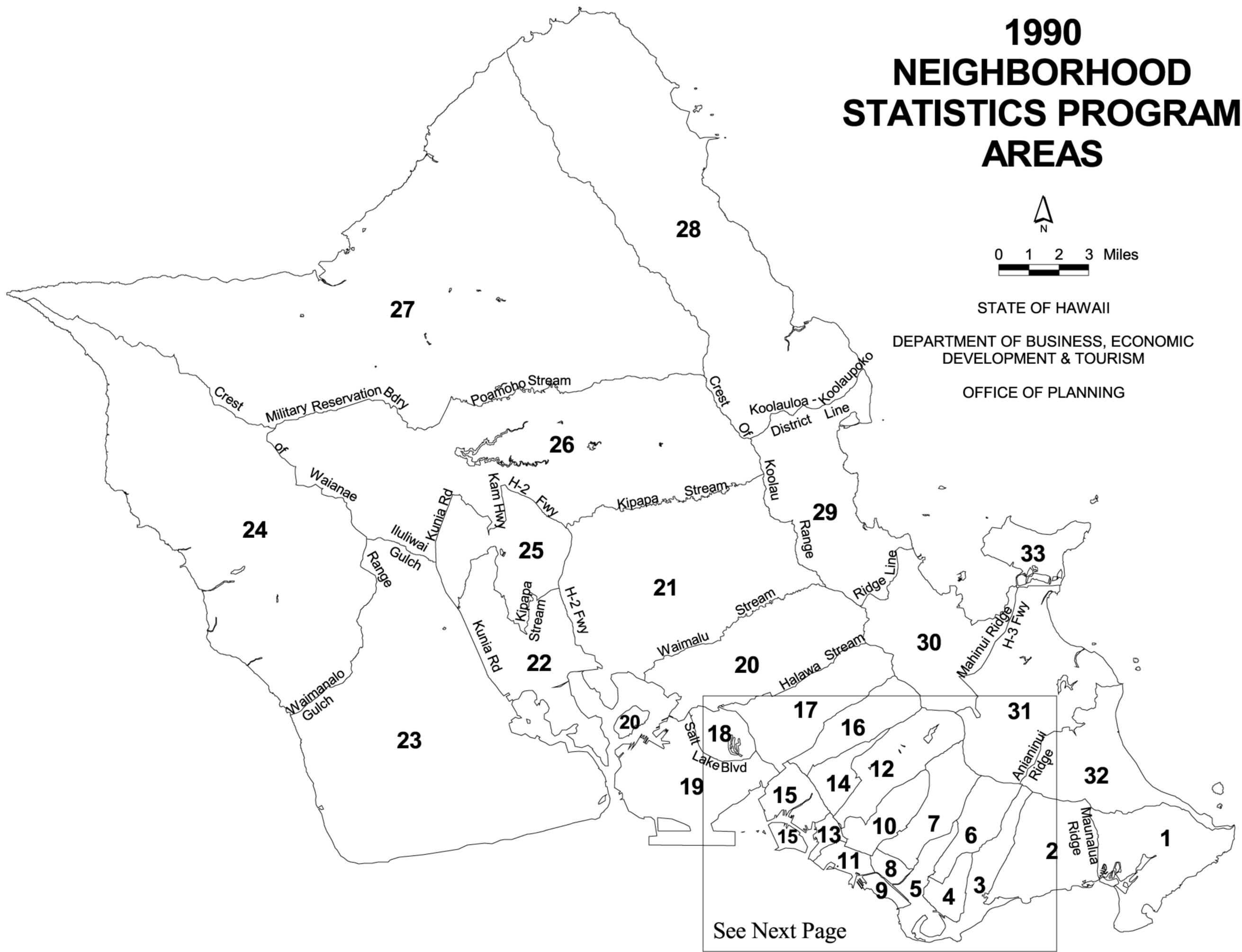
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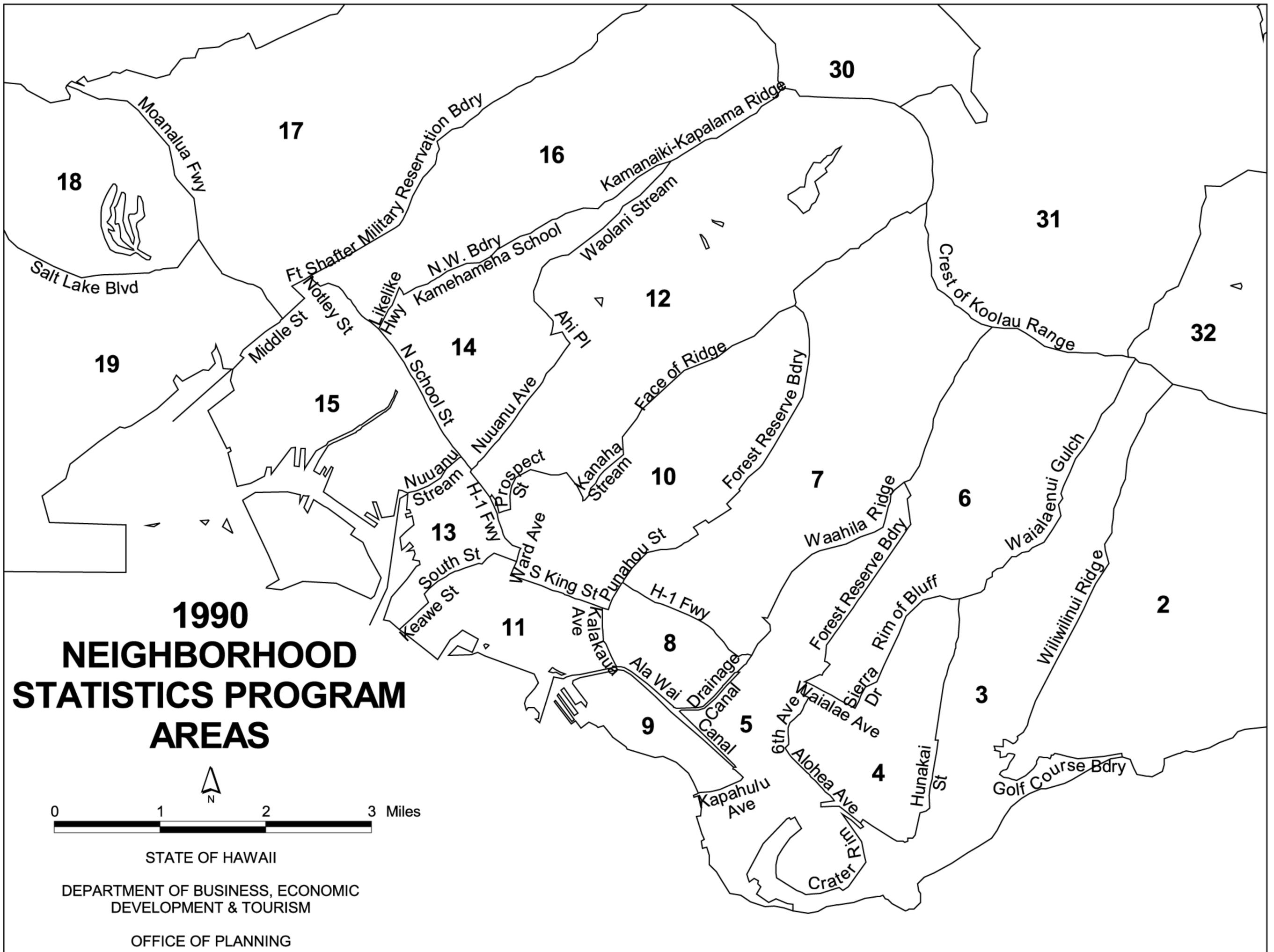


STATE OF HAWAII

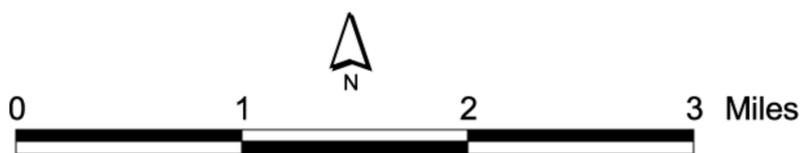
DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM

OFFICE OF PLANNING





**1990
NEIGHBORHOOD
STATISTICS PROGRAM
AREAS**



STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM

OFFICE OF PLANNING

Table 1.13-- CHARACTERISTICS OF OAHU NEIGHBORHOODS: 1990

Neighborhood Area (see maps, pp. 25-26) 1/	Resident population	House- holds	Average household size	Percent college grads 2/	Median household income 3/
Oahu total	836,231	265,625	3.02	24.6	40,581
1 Hawaii Kai	27,432	8,835	3.08	41.7	65,901
2 Kuliouou-Kalani Iki	15,280	4,986	3.06	45.0	65,844
3 Waialae-Kahala	9,635	3,549	2.71	46.3	66,228
4 Kaimuki	18,425	6,216	2.90	26.8	45,397
5 Diamond Head/Kapahulu/ St. Louis Heights	20,860	8,040	2.56	27.3	39,357
6 Palolo	13,034	4,097	3.16	20.7	40,844
7 Manoa	20,834	6,420	2.79	44.5	51,866
8 McCully/Moilili	28,466	13,428	2.08	27.8	31,974
9 Waikiki	19,757	11,445	1.71	29.4	26,980
10 Makiki/Tantalus	29,989	14,681	2.03	36.0	33,623
11 Ala Moana/Kakaako	10,943	6,218	1.72	26.0	25,162
12 Nuuanu/Punchbowl	16,221	5,776	2.78	30.1	44,199
13 Downtown	11,752	5,814	1.89	26.6	25,436
14 Liliha/Kapalama	21,235	6,683	3.00	21.7	43,164
15 Kalihi/Palama	40,147	10,967	3.46	9.1	25,647
16 Kalihi Valley	17,798	4,079	4.33	9.5	39,794
17 Moanalua	12,260	3,576	3.30	24.9	43,706
18 Aliamanu/Salt Lake	37,442	12,029	3.11	23.3	38,078
19 Airport	26,734	5,877	3.40	19.3	29,989
20 Aiea	32,648	10,680	2.93	24.4	45,585
21 Pearl City	46,758	13,540	3.44	22.3	55,053
22 Waipahu	51,295	13,921	3.68	15.9	46,501
23 Ewa	42,967	11,449	3.65	15.9	40,679
24 Waianae Coast	37,411	9,429	3.93	8.9	32,392
25 Mililani/Waipio	34,681	10,630	3.26	30.9	51,807
26 Wahiawa	44,541	11,020	3.45	12.6	29,767
27 North Shore	15,749	4,764	3.23	18.9	37,209
28 Koolauloa	14,340	3,614	3.67	22.2	35,283
29 Kahaluu	14,397	4,258	3.37	26.4	50,454
30 Kaneohe	40,595	12,237	3.25	26.4	51,497
31 Kailua	41,886	13,283	3.13	34.5	56,788
32 Waimanalo	9,057	2,088	4.30	10.1	42,763
33 Mokapu/Kaneohe MCAS	11,662	1,996	3.85	13.3	26,927

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries. The table includes only neighborhood areas which existed in 1990. Effective June 1, 1995, the Makakilo/Kapolei/Honokai Hale area was split off from Neighborhood Board No. 23 to form Neighborhood Board No. 34. Effective June 1, 1997, the Mililani Mauka-Launani Valley area was split off from the Neighborhood Board No. 26 to form Neighborhood Board No. 35.

2/ Percent of persons 25 years and over with a bachelor's degree or higher.

3/ Median 1989 income of households, in dollars.

Source: City and County of Honolulu Planning Department, tabulations from the 1990 U.S. Census.

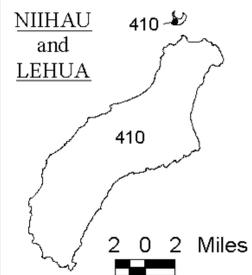
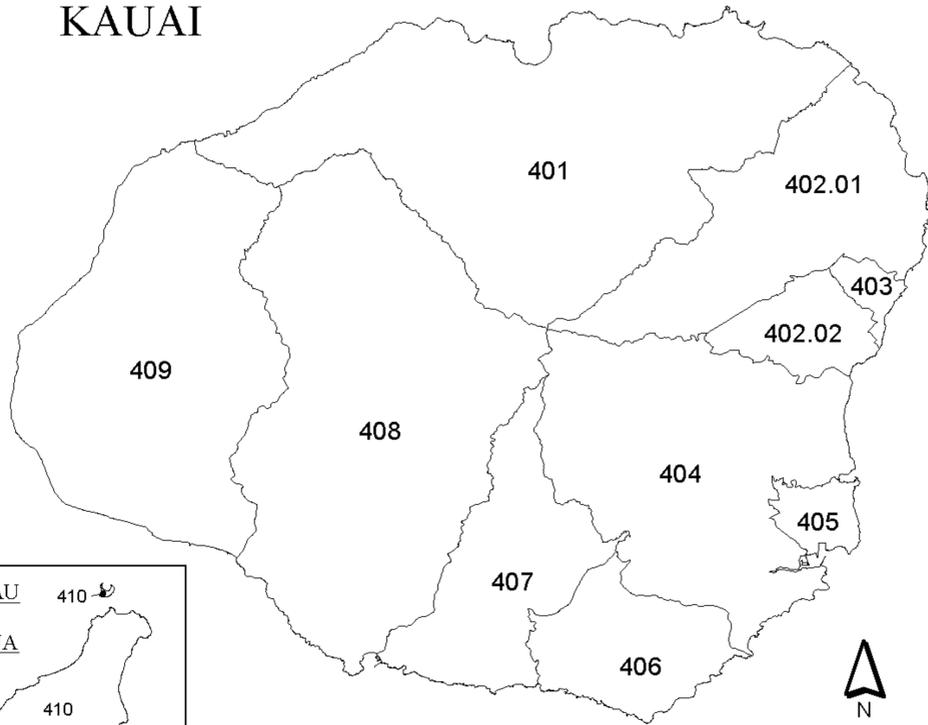
2000 CENSUS TRACTS ISLAND OF OAHU



WAHAHA - SCHOFIELD BARRACKS INSET

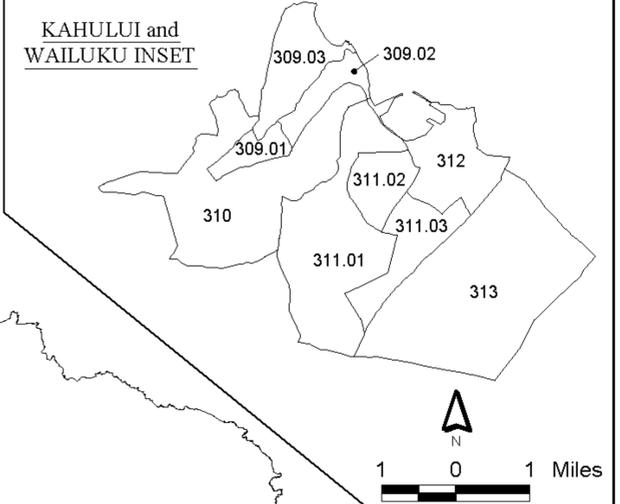
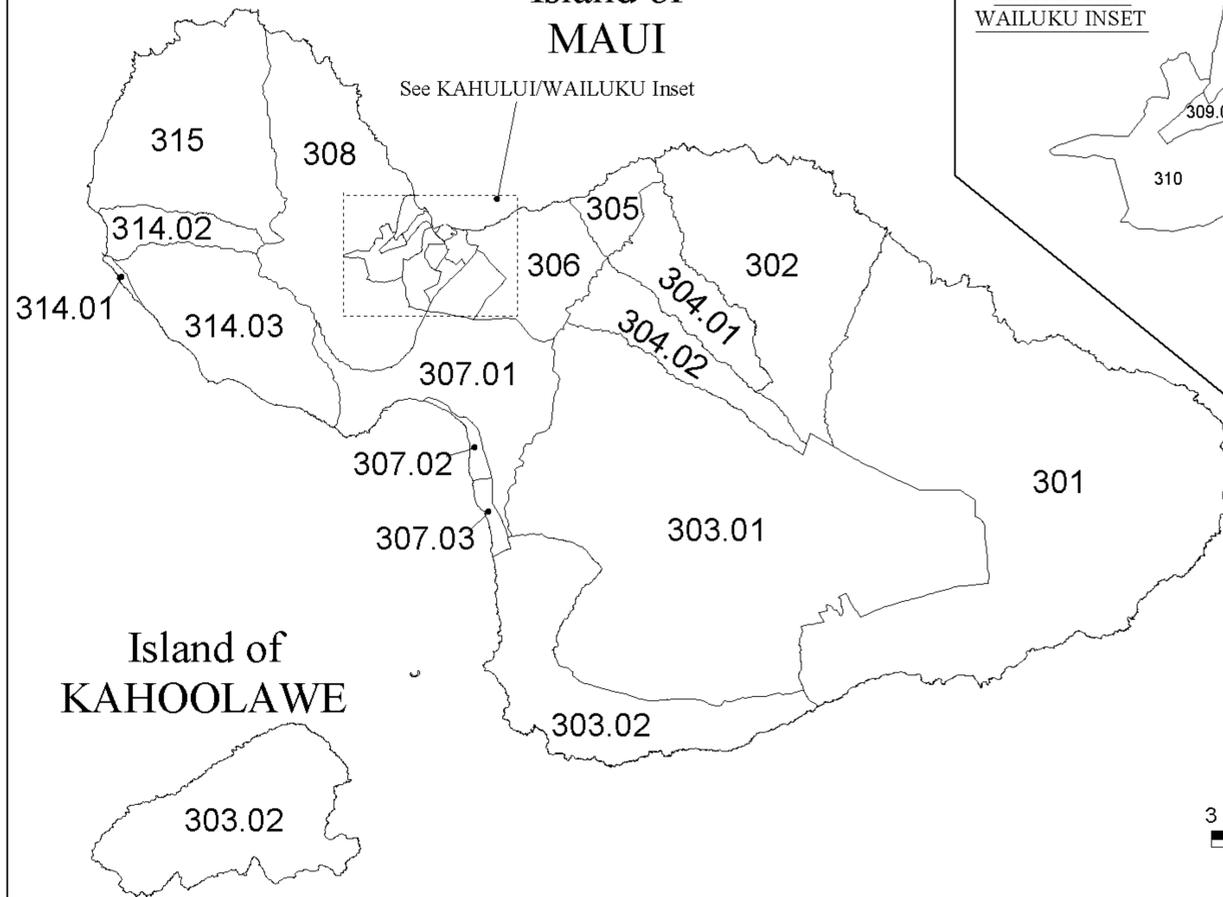
SEE
HONOLULU & VICINITY MAP

**Island of
KAUAI**

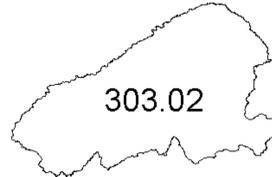


Note: Census Tract 411 includes the island of Kaula (not shown).

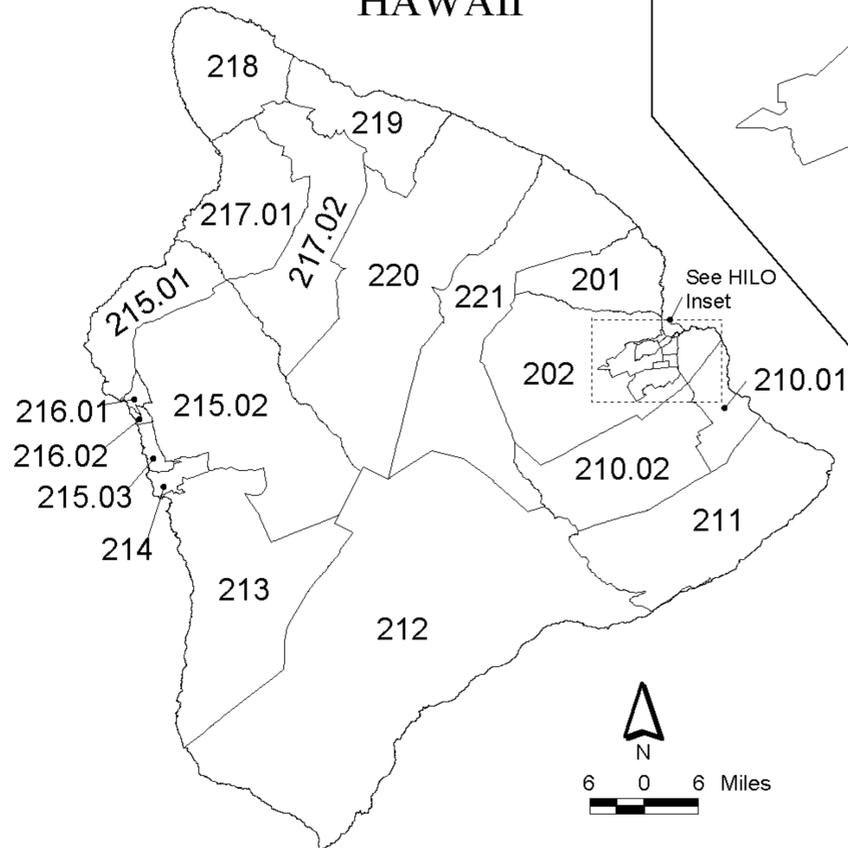
**Island of
MAUI**



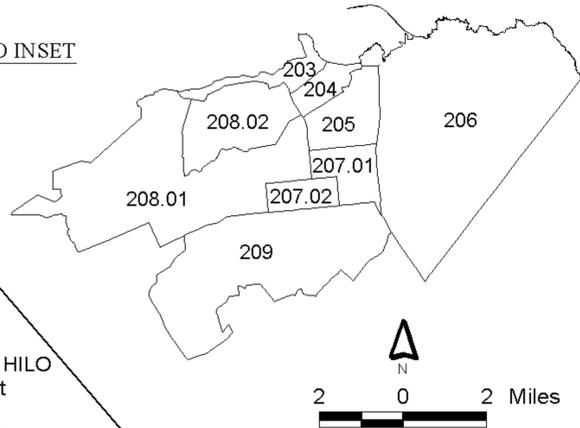
**Island of
KAHOOLAWE**



**Island of
HAWAII**

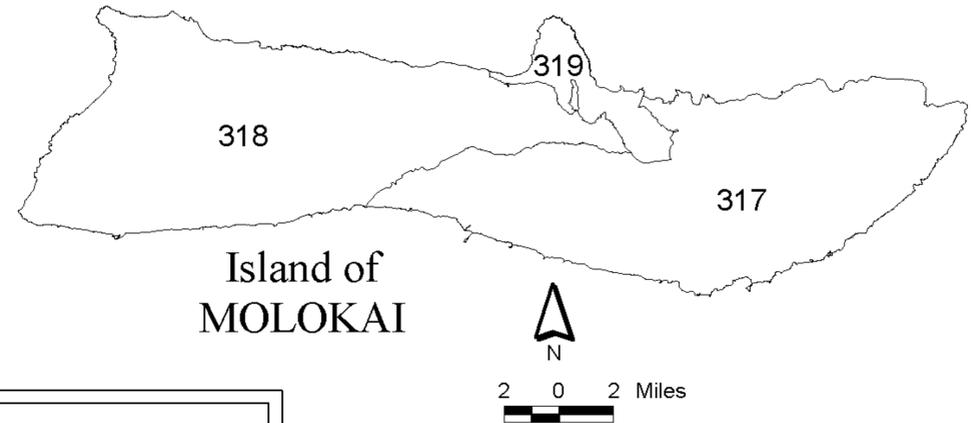


HILO INSET

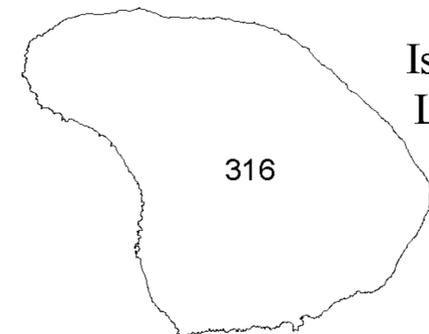


See HILO Inset

**Island of
MOLOKAI**



**Island of
LANAI**



**2000
CENSUS TRACTS**

Prepared by
OFFICE OF PLANNING
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
STATE OF HAWAII

2001

Table 1.14-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 2000

[See maps, pp. 6-7 and 28-29]

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
C & C OF HONOLULU			836,231	876,156
Honolulu			377,059	1/ 372,279
1.02	1.02	Portlock Road	1,674	1,637
	1.04 2/	Lunalilo Park Subdivision		2,171
	1.09 3/	Kamiloiki-Kamehame		2,639
1.04	1.10 3/	Kalama Valley	8,376	3,732
1.05	1.05	Koko Head	5,251	4,659
1.06	1.06	Hahaione	6,292	6,752
1.07	1.07	Kamilonui	3,009	3,017
1.08	1.08	Hawaii Kai Marina	2,830	3,050
2	2	Kuliouou	5,742	5,714
	3.01 3/	Aina Haina-Hawaii Loa Ridge		3,181
3.98	3.02 3/	Wailupe	5,617	2,960
4.97	4.01 3/	Kalani	2,771	2,681
4.98	4.02 3/	Waialae-Iki	3,372	3,825
5	5	Waialae-Kahala	3,744	3,661
6	6	Diamond Head	1,311	1,378
7	7	22nd Avenue	2,993	2,829
8	8	Ocean View	3,856	3,666
9.01	9.01	Waialae Nui	2,334	2,203
9.02	9.02	Maunalani Heights	3,779	3,851
9.03	9.03	Lower Wilhelmina Rise	2,760	2,907
10	10	Upper Palolo	3,194	3,083
11	11	Central Palolo	4,072	3,727
12.01	12.01	Keanu Street	3,118	3,837
12.02	12.02	Paalea Street	3,081	3,080
13	13	Kaimuki	4,488	4,073
14	14	Kapaolono Field	2,595	2,570
15	15	Upper Kapahulu	3,664	3,471
16	16	Lower Kapahulu	3,911	3,564
17	17	Kapiolani Park	2,536	2,045
18.01	18.01	Koa Avenue	1,307	1,246
18.02	18.02	Jefferson School	4,411	4,731
19.01	19.01	Waikiki Beach	1,190	753

Continued on next page.

Table 1.14-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 2000 -- Con.

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
Honolulu (con.):				
19.02	19.02	Ena Road	6,000	5,607
20.01	20.01	Seaside Avenue	3,037	3,400
20.02	20.02	Olohana Street	3,823	3,983
21	21	Olokele Avenue	3,691	3,520
22	22	Kamoku Street	7,292	7,054
23	23	Moiliili	5,687	5,118
24.01	24.01	Upper McCully	3,016	2,956
24.02	24.02	Lower McCully	3,285	3,166
25	25	Pawaa	4,229	3,673
26	26	Bingham Tract	4,957	4,155
27.01	27.01	University	4,340	4,558
27.02	27.02	Punahou	4,998	5,177
28	28	St. Louis Heights	4,075	3,241
29	29	East Manoa	1,383	1,880
30	30	Manoa	4,236	4,140
31.01	31.01	Woodlawn	3,851	3,770
31.02	31.02	Upper Manoa	3,537	3,270
32	32	Round Top-Tantalus	853	885
33	33	Makiki Heights	876	832
34.03	34.03	Thurston Street	5,177	5,195
34.04	34.04	Wilder-Lewalani	4,757	4,623
34.05	34.05	Punahou-Keeaumoku	3,080	3,066
34.06	34.06	H1-Wilder	5,924	5,622
34.07	34.07	H1-Punahou	1,136	852
35	35	Kaahumanu School	4,688	5,834
36.96	} 36.01 3/	Sheridan Street	-	} 2,386
36.97			2,369	
36.98	36.02 3/	Kaheka Street	5,235	4,961
37	37	Ala Moana	2,325	3,745
38	38	Kakaako	721	2,871
39	39	Civic Circle	181	1,690
40	40	Central Business District	991	1,295
41	41	Queen's Hospital	4,742	4,610
42	42	Queen Emma Gardens	2,672	2,609
43	43	Puowaina	5,632	5,473
44	44	Pauoa	5,429	5,173
45	45	Pacific Heights-Dowsett	5,264	5,218
46	46	Puunui-Nuuanu	3,687	3,640

Continued on next page.

**Table 1.14-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF
HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 2000 -- Con.**

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
Honolulu (con.):				
47	47	Alewa-Kawananakoa	4,837	4,575
48	48	Kamehameha Heights	5,991	5,821
49	49	Lanakila	2,978	2,949
50	50	Kuakini	4,724	4,154
51	51	Foster Botanic Garden	2,399	3,167
52	52	Chinatown	2,480	3,056
53	53	Aala	4,208	3,842
54	54	Mayor Wright Housing	1,609	1,465
55	55	Palama	2,144	1,923
56	56	Kapalama	6,185	6,273
57	} 57 3/		1,867	} 1,550
57.99		Iwilei-Anuenue	298	
58	58	Waiakamilo	3,404	3,466
59	59	Mokauea	3,570	2,086
60	60	Kalihi Kai	5,857	6,361
61	61	Kalihi Waena	3,575	3,838
62.01	62.01	Kam IV	5,040	5,089
62.02	62.02	Kuhio Park Terrace	2,390	2,094
63.01	63.01	Kalihi Valley Park	3,433	3,684
63.02	63.02	Kalena Drive	2,781	2,577
64.01	64.01	Ulana Street	1,827	1,882
64.02	64.02	Kamanaiki	5,680	5,850
65	65	Upper Kalihi Valley	4,077	3,944
66	66	Kahauiki	2,952	1,673
67.01	67.01	Tripler	6,894	6,356
67.02	67.02 3/	Moanalua	2,758	2,371
68.02	68.02	Aliamanu	5,845	6,384
68.03	68.03	Mapunapuna	36	20
68.04	68.04	Aliamanu Crater	8,835	6,267
68.05	68.05	Salt Lake-East	4,326	5,642
68.06	68.06	Salt Lake-West	1,922	1,749
68.07	} 68.08 3/	Ala Ilima High Rise-Mauka		} 4,638
		68.09 3/	Ala Ilima High Rise-Makai		10,084
69	69	Radford	3,182	3,460
70	70 3/	Makalapa	4,796	3,208
71	71	Ohana Nui	2,618	2,330
72	72	Airport	1,003	1,073
114.98	114.98	Northwestern Hawaiian Islands	-	5

Continued on next page.

Table 1.14-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 2000 -- Con.

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
Ewa			230,189	3/ 272,328
73	} 73 3/	Hickam	6,689	} 5,687
73.99			53	
74	} 74 3/	Pearl Harbor	3,633	} 2,177
74.99			4,331	
75.02	75.02 3/	Red Hill	1,236	1,821
75.03	75.03	Halawa Heights	4,952	4,916
75.04	75.04	Aloha Stadium	3,080	3,083
75.05	75.05	Foster Village	5,189	5,473
75.06	75.06	Red Hill (Navy) Housing	1,367	1,327
77.01	77.01	Lower Aiea	4,206	4,132
77.02	77.02	Upper Aiea	4,689	4,887
78.02	78.02	Ewa Forest Reserve	-	-
78.04	78.04	Hoohulu Street	2,034	2,068
78.05	78.05	Waiau Townhouses	5,300	4,966
78.06	78.06	Kaonohi	5,441	5,159
78.07	78.07	Pearl Ridge High Rise	5,759	5,315
78.08	78.08	Pearl Ridge Center	2,960	3,096
78.03	} 78.09 3/	Newtown	9136	} 3,873
80.01	80.01	Hale Mohalu	1,610	1,829
80.02	80.02	Kula Drive	2,914	2,732
80.03	80.03	Kuokoa Street	5,055	4,439
80.05	80.05	Pacific Palisades	7,313	6,847
80.06	80.06	Pearl City	5,383	4,981
80.07	80.07	Pearl City Uplands	5,904	5,389
81	81	Pearl City Pen-Ford Island	2,384	4,210
82	82	Waipio Peninsula	-	-
83.01	83.01	Iroquois Point	5,786	3,856
83.02	83.02	Puuloa	6,699	6,563
84	} 84.01 3/	Ewa Gentry-East	9,677	} 3,300
	} 84.03 3/	Ocean Pointe	} 2,249	
				84.04 3/	Ewa Gentry-West	8,690
85	} 85 4/	Barbers Point	4,529	} 1,311
86.98 (pt.)			(NA)	
86.99			23	

Continued on next page.

Table 1.14-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 2000 -- Con.

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
Ewa (con.):				
86.03	86.03	Kahe	6,509	9,882
86.04	86.04	Makakilo	4,015	4,097
86.98 (pt.)	86.05 4/	East Kapolei-Ewa Villages	(NA)	8,607
86.98 (pt.)	86.06 4/	Villages of Kapolei-North	(NA)	7,290
86.98 (pt.)	86.07 4/	Villages of Kapolei-South	(NA)	1,544
86.98 (pt.)	86.08 4/	City of Kapolei	(NA)	-
86.98 (pt.)	86.09 4/	Ko Olina Expansion	(NA)	1,671
86.98 (pt.)	86.10 4/	Ko Olina-Campbell Industrial Park	(NA)	9
87.01	87.01	Waipahu Park	7,598	7,969
87.02	87.02	St. Joseph School	4,161	4,405
87.98	87.03 3/	Waipahu Intermediate School	4,471	6,064
88	88	Waipahu-Mauka	6,172	6,781
89.05	89.05	Village Park	7,561	11,521
89.06	89.06	Mililani Golf Course	4,025	3,839
89.07	89.07	Mililani- Kipapa	4,560	4,056
89.08	89.08	Mililani- Market Place	6,688	6,267
89.09	89.09	Mililani- District Park	3,779	3,878
89.12	89.12	August Ahrens School	2,193	2,582
	89.13 3/	Robinson Heights		3,750
89.01	89.14 3/	Punawai	8,084	4,311
	89.15 3/	Waipio Acres		5,219
89.04	89.16 3/	Mililani Mauka	5,183	11,181
	89.17 3/	Mililani Town Center- -Makaunulau		4,879
89.10	89.18 3/	Mililani-Nob Hill	10,444	5,768
	89.19 3/	Waiawa		-
	89.20 3/	Waipio Gentry Industrial-Koa Ridge Makai		4,704
	89.21 3/	Seaview-Crestview		2,568
89.11	89.22 3/	Waikele	11,893	6,895
	89.23 3/	Waipio Gentry		4,741

Continued on next page.

**Table 1.14-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF
HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 2000 -- Con.**

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
Wahiawa			43,886	38,370
90	90	Wheeler-East Range	2,600	2,829
91	91	Kaukonahua	4,303	4,663
92	92	Wahiawa-Mauka	7,930	6,962
93	93	Wahiawa-Waena	4,214	4,385
94	94	Wahiawa-Makai	5,242	4,804
95.01	95.01	Kolekole Avenue	3,532	3,450
95.02	95.02	Menoher Street	7,307	4,035
95.03	95.03	Foote Avenue	4,339	2,528
95.04	95.04	Leilehua Avenue	1,178	1,235
95.05	95.05	Beaver Road	3,241	3,479
Waianae			37,411	42,259
96.01	96.01	Nanakuli-Lualualei	5,974	6,854
96.03	96.03	Mali	6,820	7,946
96.04	96.04	Niulii Reservoir	4,733	5,625
97.01	97.01	Waianae Kai	5,523	5,480
97.02	97.02	Lualualei Homesteads	6,153	8,125
98	{ 98.01 3/	Makaha	8,208	{ 2,386
	{ 98.02 3/	Makaha Valley-Makua		{ 5,843
Waiialua			11,549	14,027
99.01	99.01	Waiialua-Mokuleia	5,792	5,731
99.02	99.02	Haleiwa	3,956	3,958
100	100	Haleiwa-Kawailoa	1,801	4,338
Koolauloa			18,443	18,899
101	101	Waimea-Kahuku	6,909	7,487
102.01	102.01	Hauula-Kaaawa	4,608	5,312
102.02	102.02	Laie	6,926	6,100
Koolaupoko			117,694	117,994
103.02	103.02	Kapunahala	3,745	3,398
103.03	103.03	Waiahole Forest Reserve	4,660	4,537
103.05	103.05	Okana- Puu Maelieli	4,663	4,894
103.06	103.06	Ahuimanu- Haiku	6,562	6,480
105.03	105.03	Kaneohe Playground	2,111	1,991
105.04	105.04	Waikalua Road	5,373	5,153
105.05	105.05	Heeia Kea	3,612	3,512
105.06	105.06	Windward Mall	7,804	8,001

Continued on next page.

Table 1.14-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 2000 -- Con.

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
Koolaupoko (con.):				
106.01	106.01	Puohala	3,200	3,232
106.02	106.02	Halekou	5,480	5,589
107.01	107.01	Kokokahi	3,551	3,766
107.02	107.02	Kailuapuhi	4,336	3,846
108	108.01 3/	Mokapu-West	11,662	3,906
	108.02 3/	Mokapu-East		7,921
109.01	109.01	Puu Papaa	3,208	3,161
109.03	109.03	Oneawa-Kawainui	4,253	4,186
109.04	109.04	Kalama Street	3,391	3,404
109.05	109.05	Ulupaina Street	2,568	2,527
110	110	Maunawili-Kawainui	3,910	3,614
111.03	111.03	Olomana	3,884	4,050
111.04	111.04	Enchanted Lakes	4,937	4,797
111.05	111.05	Kailua Mall	3,732	3,790
111.06	111.06	Keolu Hills	5,774	5,774
112.01	112.01	Kalaheo Avenue	4,687	4,539
112.02	112.02	Lanikai	1,536	1,765
113.01	113.01	Waimanalo	4,859	5,775
113.02	113.02	Waimanalo Beach-Homesteads	4,196	4,386

pt. Part.

NA Not available.

1/ In previous censuses, the Honolulu and Ewa District boundaries were aligned with census tract boundary lines. For Census 2000, the Honolulu and Ewa District boundaries did not change, but four census tracts situated along the district boundary lines had boundary changes. A portion of census tract 75.02 (in the Ewa District) was moved into census tract 67.02 (into the Honolulu District). A portion of census tract 74 (in the Ewa District) was moved to census tract 70 (into the Honolulu District).

2/ The 1990 census tract 1.04 has been split into the 2000 census tracts of 1.04, 1.09 and 1.10. Therefore, census tract 1.04 for the 1990 and the 2000 censuses are not comparable.

3/ Tract boundaries or tract numbers have changed between the 1990 and 2000 censuses due to boundary line changes, renumbering, absorption into other tracts, or splitting into smaller tracts.

4/ The 1990 census tract 86.98 was split into six new tracts and a portion was added to census tract 85 for Census 2000. Due to the way the census tracts were split, no comparison of the 1990 and 2000 resident populations for these areas are possible at this time. The 1990 census tract resident population for 86.98 (Ewa) was 5,521. In addition to gaining a portion of the 1990 census tract 86.98, the 1990 census tract 85 was expanded in the 2000 census to include census tract 86.99 (vessel offshore). Therefore, the census tract 85 for the 1990 and the 2000 censuses are not comparable.

Source: U.S. Bureau of the Census, 1990 Summary Tape File 1A; U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File and the L.A. Regional Census Center Geography Department; and C & C of Honolulu Planning and Permitting Department; compiled by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.15-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND CENSUS TRACTS: 2000**

[See maps, pp. 6-7 and 30]

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
HAWAII				
Total			120,317	148,677
South Hilo			44,639	47,386
201	201	Papaikou-Wailea	5,102	4,961
202	202	Hilo: Upper Waiakea Forest Reserve	1,871	1,805
203	203	Hilo: Puueo-Downtown	3,723	3,779
204	204	Hilo: Villa Franca-Kaiko'o	3,612	3,098
205	205	Hilo: University-Houselots	5,576	5,918
206	} 206 1/	Hilo: Keaukaha-Panaewa	3,902	} 4,909
206.99			-	
207.01	207.01	Hilo: Puainako	4,399	4,535
207.02	207.02	Hilo: Kawaiiani	4,693	4,782
208.01	208.01	Hilo: Kukuau-Kaumana	3,062	3,651
208.02	208.02	Hilo: Piihonua-Kaumana	5,081	5,745
209	209	Hilo: Haihai	3,618	4,203
Puna			20,781	31,335
210.01	210.01	Lower Keaau	6,844	11,776
210.02	210.02	Keaau-Volcano	7,235	10,962
211	211	Pahoa-Kalapana	6,702	8,597
Ka'u			4,438	5,827
212	212	Ka'u	4,438	5,827
South Kona			7,658	8,589
213	213	South Kona	4,998	5,535
214	214	Kealakekua-Captain Cook	2,660	3,054
North Kona			22,284	28,543
215.01	215.01	Kalaoa	6,486	9,505
215.02	215.02	Hualalai	2,944	3,688
215.97	} 215.03 1/		104	} 4,095
215.98		Kaunalumau-Kealakekua	3,089	

Continued on next page.

**Table 1.15-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND
CENSUS TRACTS: 2000 -- Con.**

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
North Kona (con.):				
216	{ 216.01 1/ 216.02 1/	Kailua Kahului-Kaumalumu	9,661	{ 5,987 5,268
South Kohala			9,140	13,131
217	{ 217.01 1/ 217.02 1/	Kawaihae-Waikoloa Waimea-Puu Anahulu	9,140	{ 6,015 7,116
North Kohala			4,291	6,038
218	218	North Kohala	4,291	6,038
Hamakua			5,545	6,108
219	219	Honokaa-Kukuihaele	3,681	3,895
220	220	Paahau-Paauilo	1,864	2,213
North Hilo			1,541	1,720
221	221	North Hilo	1,541	1,720
MAUI				
Total			100,504	128,241
Hana			1,895	1,855
301	301	Hana	1,895	1,855
Makawao			29,207	36,476
302	302	Haiku-Pauwela	5,695	8,377
303.01	303.01	Kula	5,525	6,659
303.02	303.02	Wailea	2,496	3,070
304.01	304.01	Makawao	7,271	8,147
304.02	304.02	Pukalani	6,127	7,708
305	305	Paia	2,093	2,515
Wailuku			45,685	61,346
306	306	Spreckelsville	213	337

Continued on next page.

**Table 1.15-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND
CENSUS TRACTS: 2000 -- Con.**

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
Wailuku (con.): 307.99			9	
	307.01 1/	Maalaea		3,579
307	307.02 1/	North Kihei	12,869	8,057
	307.03 1/	South Kihei		8,207
308	308	Waihee-Waikapu	2,273	3,397
	309.01 1/	West Central Wailuku		2,437
	309.02 1/	East Central Wailuku		2,661
309	309.03 1/	North Wailuku	8,372	6,682
310	310	South Wailuku	5,060	5,843
311.01	311.01	West Kahului	4,516	6,908
311.02	311.02	Central Kahului	4,332	4,730
311.03	311.03	Southeast Kahului	4,438	4,720
312	312	Northeast Kahului	3,386	3,776
313	313	Puunene	217	12
Lahaina			14,574	17,967
	314.01 1/	Lahaina Town		2,492
	314.02 1/	North Lahaina		2,433
314	314.03 1/	South Lahaina	9,189	4,276
315	315	Honokahua	5,385	8,766
Lanai			2,426	3,193
316	316	Lanai	2,426	3,193
Molokai			6,587	7,257
317	317	East Molokai	4,419	4,688
318	318	West Molokai	2,168	2,569
KALAWAO				
Total			130	147
319	319	Kalawao (Kalawao County)	130	147

Continued on next page.

**Table 1.15-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND
CENSUS TRACTS: 2000 -- Con.**

County, district, and 1990 census tract	2000 census tract	2000 Name	1990	2000
KAUAI				
Total			51,177	58,463
Hanalei			4,631	6,348
401	401	Hanalei	4,631	6,348
Kawaihau			15,627	18,525
402.01	402.01	Kealia-Moloaa	2,178	3,123
402.02	402.02	Wailua-Kapaa Homesteads	6,622	7,750
403	403	Kapaa	6,827	7,652
Lihue			10,663	12,022
404	404	Puhi-Hanamaulu	5,384	6,860
405	} 405 1/	Lihue	5,275	} 5,162
405.99			4	
Koloa			11,368	12,845
406	406	Koloa-Poipu	4,900	5,404
407	407	Eleele-Kalaheo	6,468	7,441
Waimea			8,888	8,723
408	408	Kaumakani-Hanapepe	2,913	3,438
409	409	Kekaha-Waimea	5,745	5,125
410	410	Niihau	230	160
411.98	411 1/	Kaula	-	-

1/ Tract boundaries or tract numbers have changed between the 1990 and 2000 censuses due to boundary line changes, renumbering, absorption into other tracts, or splitting into smaller tracts.

Source: U.S. Bureau of the Census, 1990 Summary Tape File 1A; U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File and the L.A. Regional Census Center Geography Dept.; County of Hawaii Planning Dept. and Dept. of Research and Development; County of Maui Planning Dept.; County of Kauai Planning Dept.; compiled by the Hawaii State Dept. of Business, Economic Development & Tourism, Hawaii State Data Center.

**Table 1.16-- RESIDENT POPULATION ON HAWAIIAN HOME LANDS,
BY NATIVE HAWAIIAN RACE, BY ISLAND: 2000**

["Race alone" consisted of people who chose only one race. "Race alone or in combination" consisted of people who chose one race or people who had chosen two or more races. Numbers for the "race alone or in combination" column may add to more than the total population. For example, a person indicating "White *and* Japanese *and* Native Hawaiian" is included in the White, Japanese, and Native Hawaiian race categories]

Island and Hawaiian Home Lands	Popu- lation total	Native Hawaiian		Island and Hawaiian Home Lands	Popu- lation total	Native Hawaiian	
		Race alone	Race alone or in combina- tion			Race alone	Race alone or in combina- tion
State of Hawaii	22,539	10,858	18,614	Hawaii (cont.):			
Hawaii	4,522	1,965	3,538	Waimanu	-	-	-
Honokaia	-	-	-	Waiohinu	-	-	-
Honokohau	-	-	-	Maui	961	468	739
Honomu-Kuhua	8	-	3	Kahikinui	12	-	4
Humuula	-	-	-	Keanae	-	-	-
Kalaoa	-	-	-	Kula	45	5	12
Kamaoa-Puueo	29	15	25	Lahaina	-	-	-
Kamoku-Kapulena	39	-	7	Paukukalo	753	384	616
Kaniohale	602	260	504	Puunene	-	-	-
Kaumana	-	-	-	Ulupalakua	1	-	1
Kawaihae	103	38	69	Waiehu	150	79	106
Kealakehe	-	-	-	Wailua	-	-	-
Keaukaha	1,454	761	1,258	Wailuku	-	-	-
Keoniki	-	-	-	Kahoolawe	-	-	-
Lalamilo	-	-	-	Lanai	-	-	-
Makuu	59	14	38	Molokai	1,741	1,022	1,453
Nienie	60	11	14	Hoolehua-			
Olaa	18	-	4	Palaa	1,086	668	952
Panaewa	1,362	564	1,055	Kalamaula	232	108	186
Pauahi	10	-	4	Kalaupapa	122	55	56
Pihonua	7	-	-	Kamiloloa	56	16	40
Ponohawai	117	25	97	Kapaakea	204	162	198
Puna	-	-	-	Makakupia	35	13	16
Puukapu	629	273	451	Ualapue	6	-	5
Waiakea	15	4	9				
Waikoloa-							
Waialeale	8	-	-				
Wailau	2	-	-				

Continued on next page.

**Table 1.16-- RESIDENT POPULATION ON HAWAIIAN HOME LAND,
BY NATIVE HAWAIIAN RACE, BY ISLAND: 2000 - Con.**

Island and Hawaiian Home Land	Popu- lation total	Native Hawaiian race		Island and Hawaiian Home Land	Popu- lation total	Native Hawaiian race	
		Race alone 1/	Race alone or in combina- tion 2/			Race alone 1/	Race alone or in combina- tion 2/
Oahu	13,287	6,408	11,324	Waianae	1,759	787	1,523
Auwaiolimu-				Waimanalo	3,028	1,590	2,544
Kalawahine-				Kauai	2,028	995	1,560
Kalawahine-				Anahola-			
Kewalo-				Kamalomalo	1,735	871	1,336
Papakolea	1,575	876	1,343	Hanapepe	54	19	35
Kapalama	-	-	-	Kapaa	4	-	-
Kapolei	-	-	-	Kekaha	225	104	184
Lualualei	1,826	773	1,485	Moloaa	-	-	-
Moilili	-	-	-	Wailua	10	1	5
Nanakuli	5,099	2,382	4,429	Waimea	-	-	-
Shafter Flats	-	-	-				

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001).

**Table 1.17-- POST-ENUMERATION SURVEY (PES) ESTIMATES OF THE
TOTAL POPULATION OF THE UNITED STATES, HAWAII, AND
SELECTED COUNTIES: 1990**

Subject	United States	State of Hawaii	Counties over 100,000		
			Honolulu	Hawaii	Maui
Enumerated population	248,709,873	1,108,229	836,231	120,317	100,374
PES estimate	252,712,822	1,129,162	852,074	122,654	102,187
Percent net undercount	1.584	1.854	1.859	1.905	1.774
Standard error	0.191	0.808	0.837	0.750	0.741

Source: U.S. Bureau of the Census, *Assessment of Accuracy of Adjusted Versus Unadjusted 1990 Census Base for Use in Intercensal Estimates* (August 7, 1992), Att. 4 and 12.

Table 1.18-- RESIDENT AND DE FACTO POPULATION AND EMPLOYED PERSONS, FOR WAIKIKI: 1960 TO 1990

[For definitions of resident and de facto population, see table 1.04, footnotes 1 and 3. For earlier years, 1920-1950, see *Data Book 1987*, table 14. Waikiki is bounded by the Ala Wai Canal, Kapahulu Avenue, and the Pacific Ocean]

Subject	1960	1970	1980	1990	Density 1/	
					1980	1990
Resident population	11,075	13,124	17,384	19,768	34.3	39.0
Temporarily absent 2/	36	176	174	327	0.3	0.6
De facto population	18,753	34,874	63,710	95,979	125.7	189.3
Visitors present 2/	7,714	21,926	46,500	76,538	91.7	151.0
Employed persons: 3/						
Living in Waikiki	6,327	7,866	9,593	11,065	18.9	21.8
Working in Waikiki	(NA)	(NA)	30,011	(NA)	59.2	(NA)

NA Not available.

1/ Per acre. Based on land area of 205 hectares (507 acres).

2/ Annual averages. Estimated.

3/ Includes armed forces.

Source: Visitors present and residents absent estimated by the Hawaii State Department of Business, Economic Development & Tourism from Hawaii Visitors Bureau survey data. Area, resident population, and employment from U.S. Bureau of the Census, census tract bulletins, 1960-1980, and 1990 Census tapes tabulated by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center, and *Data Book 1987*, table 380.

Table 1.19-- POPULATION AND LAND AREA, URBAN AND RURAL, BY COUNTIES: 1990

Subject	State total	Honolulu	Hawaii	Kauai	Maui & Kalawao
Land area (square miles)	6,423.4	600.2	4,028.2	622.5	1,172.5
Urban 1/	644.4	197.8	322.6	28.2	95.8
Rural	5,779.0	402.3	3,705.7	594.3	1,076.7
Resident population	1,108,229	836,231	120,317	51,177	100,504
Urban 1/	986,171	806,429	73,135	28,264	78,343
Rural	122,058	29,802	47,182	22,913	22,161

1/ Includes both the Honolulu Urbanized Area (138.7 square miles, 632,603 inhabitants) and Kailua Urbanized Area (35.0 square miles, 114,506 inhabitants).

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Population and Housing Unit Counts, Hawaii*, 1990 CPH-2-13 (March 1993), tables 5, 7, and 23.

Table 1.20-- CENTERS OF POPULATION, BY COUNTIES: 1990 AND 2000

County	North latitude (degrees)	West longitude (degrees)	Approximate location
1990			
State of Hawaii	21.1756	157.5708	Kaiwi Channel
Hawaii County	19.6898	155.4060	20 mi. W of Hilo
Maui County	20.8722	156.4547	0.6 mi. SW of Wailuku PO
Honolulu County	21.3748	157.8993	0.2 mi. NE of Red Hill Elementary School
Kauai County	22.0144	159.4509	4.4 mi. N of Knudsen Gap
2000			
State of Hawaii	21.146768	157.524452	Kaiwi Channel
Hawaii County	(NA)	(NA)	(NA)
Maui County	(NA)	(NA)	(NA)
Honolulu County	(NA)	(NA)	(NA)
Kauai County	(NA)	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Business, Economic Development & Tourism, estimated from block group data in U.S. Bureau of Census, STF-1A; U.S. Census Bureau, Commerce News "2000 U.S. Population Centered in Phelps County, Mo." , CB01-CN.66, (April 2, 2001).

Table 1.21-- POPULATION BY MILITARY STATUS: 1950 TO 2000

Year	Total resident population	Armed Forces	Civilians			Armed Forces and dependents
			All civilians	Military dependents	Other civilians	
1950	499,794	22,856	476,938	(NA)	(NA)	(NA)
1960	632,772	47,267	585,505	56,576	528,929	103,843
1970	768,559	49,953	718,606	61,261	657,345	111,214
1980	964,691	58,443	906,248	61,974	844,274	120,417
1990	1,108,229	54,001	1,054,228	63,215	991,013	117,216
2000	1,211,537	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. Census Bureau, decennial censuses.

**Table 1.22-- POPULATION CHARACTERISTICS, BY
MILITARY STATUS: 1990**

Subject	All groups	Armed Forces	Military dependents	Other civilians
Population	1,108,229	54,001	63,215	991,013
Oahu	836,231	53,549	62,621	720,061
Other islands	271,998	452	594	270,952
Households	356,748	28,548	1,794	326,406
Families	266,439	25,338	1,794	239,307
Age (percent)	100.0	100.0	100.0	100.0
Under 18 years	25.3	(Z)	54.9	24.8
18 to 64 years	63.5	100.0	44.3	62.7
65 years and over	11.3	(Z)	0.7	12.5
Median age (years)	33	27	15	35
Male	32	27	8	34
Female	34	27	23	35
Female (percent)	49.1	12.1	65.3	50.1
Race 1/ (percent)	100.0	100.0	100.0	100.0
White	33.4	70.6	61.9	29.6
Black	2.4	16.5	13.3	0.9
American Indian, Eskimo, or Aleut	0.5	1.0	0.8	0.5
Asian or Pacific Islander	61.9	7.7	20.2	67.5
Other race	1.7	4.2	3.8	1.5
Hispanic origin	7.1	7.7	8.9	7.0
Foreign born (percent)	14.7	5.6	9.8	15.5
Persons per household	3.00	1.21	-	2.98
Persons per family	3.47	1.16	-	3.48
Persons in group quarters (percent)	3.3	36.3	0	1.7
Persons 15 years and over never married (percent)	29.2	35.4	16.5	29.2
Male	33.8	35.0	51.2	33.4
Female	24.4	38.7	9.7	25.1
Children ever born per 1,000 women:				
15 to 24 years	289	216	591	257
25 to 34 years	1,199	819	1,531	1,166
35 to 44 years	1,812	1,189	2,096	1,800
Residence in 1985 2/ (percent):				
Same house as 1990	50.9	6.1	10.1	55.7
Different State	16.3	77.6	64.3	10.2
Abroad	4.7	9.6	14.5	3.9

Continued on next page.

**Table 1.22-- POPULATION CHARACTERISTICS, BY
MILITARY STATUS: 1990 -- Con.**

Subject	All groups	Armed Forces	Military dependents	Other civilians
Persons 3 years and over enrolled in school	290,578	6,531	24,605	259,442
Persons 25 years and over:				
Percent high school graduate or higher	80.1	98.6	95.2	63.9
Percent bachelor's degree or higher	22.9	24.1	21.3	22.9
Persons 16 years and over in labor force (percent)	70.4	100.0	63.4	68.6
Female	63.3	100.0	61.7	62.8
Percent of civilian labor force unemployed	3.5	(X)	7.8	3.4
High-status workers 3/ (percent)	25.6	18.0	22.7	26.5
Median income in 1989 (dollars):				
Households	38,829	29,652	33,681	40,288
Families	43,176	34,283	37,763	51,165
Income in 1989 below poverty level 4/ (percent):				
Families	6.0	2.7	0.7	6.4
Persons	8.3	2.4	4.2	8.7

X Not applicable.

Z Less than 0.05 percent.

1/ Persons of mixed race classified by self-identification or by race of mother.

2/ For persons 5 years and over in 1990.

3/ Persons in executive, administrative, managerial, and professional specialty occupations as percent of all persons 16 years and over employed in civilian labor force.

4/ Data based on Mainland poverty thresholds. Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the extent of poverty in Hawaii.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population Characteristics of Hawaii by Military Status, 1990* (Statistical Report 227, December 1993), tables 2 and 3.

**Table 1.23-- RESIDENT POPULATION PROJECTIONS, BY COUNTIES:
1998 TO 2025**

[As of July 1. Series DBEDT 2025]

Type of population and year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui 1/
Resident population (1,000): 2/						
1998	1,190.5	868.2	322.3	143.6	56.7	122.1
2000	1,197.3	872.9	324.4	144.6	57.2	122.6
2005	1,236.1	895.6	340.5	151.4	60.5	128.6
2010	1,291.1	929.2	361.9	159.6	65.8	136.4
2015	1,349.1	964.8	384.3	168.3	72.0	144.0
2020	1,406.2	999.4	406.8	176.9	78.7	151.2
2025	1,461.6	1,029.8	431.8	187.7	85.4	158.7
Share of state population (percent):						
1998	100.0	72.9	27.1	12.1	4.8	10.3
2000	100.0	72.9	27.1	12.1	4.8	10.2
2005	100.0	72.5	27.5	12.2	4.9	10.4
2010	100.0	72.0	28.0	12.4	5.1	10.6
2015	100.0	71.5	28.5	12.5	5.3	10.7
2020	100.0	71.1	28.9	12.6	5.6	10.8
2025	100.0	70.5	29.5	12.8	5.8	10.9

1/ Includes Kalawao.

2/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area but excludes persons of local origin attending school or in military service outside the area.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2025 (Series DBEDT 2025) (February 2000)* at <http://www.hawaii.gov/dbedt/2025/index.html>.

Table 1.24-- PROJECTED RESIDENT POPULATION, BY AGE AND SEX: 2000, 2010, 2020 AND 2025

[As of July 1. Series DBEDT 2025 projections. For 1997 estimate, see Data Book 1998, table 1.23]

Age group	2000		2010		2020		2025	
	Both sexes	Female	Both sexes	Female	Both sexes	Female	Both sexes	Female
	Total	1,197,309	597,809	1,291,058	646,424	1,406,248	703,800	1,461,626	731,385
Under 5 years	83,405	40,823	92,004	44,374	98,268	47,401	100,208	48,349
5 to 9 years	86,773	41,439	85,262	41,876	94,485	46,339	96,547	47,337
10 to 14 years	78,791	38,553	78,199	38,756	88,983	43,744	93,600	46,010
15 to 19 years	80,793	38,139	82,678	39,156	83,411	40,946	88,311	43,321
20 to 24 years	90,063	42,662	93,466	42,636	92,434	42,878	97,984	45,435
25 to 29 years	72,292	34,450	96,883	45,242	99,970	46,799	94,814	45,903
30 to 34 years	72,207	35,372	85,770	43,822	92,965	45,218	97,508	46,439
35 to 39 years	93,259	45,674	66,234	32,230	93,787	44,540	92,843	45,100
40 to 44 years	98,814	48,646	68,393	33,493	85,114	43,419	93,483	44,463
45 to 49 years	92,360	45,942	87,810	43,644	64,558	31,779	83,720	43,107
50 to 54 years	78,833	39,473	93,294	46,687	65,592	32,684	63,362	31,376
55 to 59 years	60,833	32,166	88,687	44,703	85,132	42,897	65,200	32,768
60 to 64 years	45,936	24,681	76,404	38,976	91,453	46,588	84,793	43,131
65 to 69 years	44,167	23,892	57,718	31,179	85,175	43,865	88,595	45,596
70 to 74 years	43,119	23,945	40,925	22,768	69,036	36,319	79,640	41,706
75 to 79 years	35,445	19,235	35,906	20,330	47,797	26,867	61,374	32,947
80 to 84 years	22,236	12,254	30,238	17,898	29,221	17,228	38,832	22,652
85 years and over	17,983	10,463	31,187	18,654	38,867	24,289	40,812	25,745
Median age	36.8	38.0	37.4	39.2	37.8	39.3	38.3	39.8

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2025 (Series DBEDT 2025)* (February 2000) at <http://www.hawaii.gov/dbedt/2025/index.html>.

Table 1.25-- RESIDENT POPULATION, BY AGE AND SEX: 1990 AND 2000

Age	April 1, 1990			April 1, 2000		
	Both sexes	Male	Female	Both sexes	Male	Female
All ages	1,108,229	563,891	544,338	1,211,537	608,671	602,866
Under 5 years	83,223	42,748	40,475	78,163	40,110	38,053
5 to 9 years	80,907	41,579	39,328	84,980	43,739	41,241
10 to 14 years	73,896	38,144	35,752	83,106	42,740	40,366
15 to 19 years	72,491	38,097	34,394	81,002	42,200	38,802
20 to 24 years	90,794	50,552	40,242	83,409	45,709	37,700
25 to 29 years	100,178	52,738	47,440	84,000	44,016	39,984
30 to 34 years	100,518	51,325	49,193	87,159	44,391	42,768
35 to 39 years	95,782	48,955	46,827	95,935	48,760	47,175
40 to 44 years	82,557	42,368	40,189	95,242	47,817	47,425
45 to 49 years	61,963	31,253	30,710	90,404	45,130	45,274
50 to 54 years	46,812	23,019	23,793	80,575	40,523	40,052
55 to 59 years	45,375	21,087	24,288	60,561	29,905	30,656
60 to 64 years	48,728	22,651	26,077	46,400	22,293	24,107
65 to 69 years	45,584	21,848	23,736	42,847	19,503	23,344
70 to 74 years	33,069	15,696	17,373	42,415	18,919	23,496
75 to 79 years	22,694	11,255	11,439	35,386	16,020	19,366
80 to 84 years	13,261	6,599	6,662	22,389	9,626	12,763
85 years and over	10,397	3,977	6,420	17,564	7,270	10,294
5 to 17	196,903	101,530	95,373	217,604	112,115	105,489
18 to 24	121,185	66,842	54,343	114,893	62,273	52,620
25 to 44	379,035	195,386	183,649	362,336	184,984	177,352
45 to 64	202,878	98,010	104,868	277,940	137,851	140,089
16 years and over	856,267	434,073	422,194	949,184	473,683	475,501
18 years and over	828,103	419,613	408,490	915,770	456,446	459,324
21 years and over	779,554	393,045	386,509	867,329	430,630	436,699
65 years and over	125,005	59,375	65,630	160,601	71,338	89,263
85 years and over	10,397	3,977	6,420	17,564	7,270	10,294
Median age	32.6	31.7	33.5	36.2	35.1	37.4

Source: U.S. Bureau of the Census, *1990 Census of Population, General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 17; U.S. Census Bureau, *Census 2000 Summary File 1 Hawaii* (July 25, 2001).

Table 1.26-- RESIDENT POPULATION, BY AGE AND SEX, BY COUNTIES: 2000

Subject	State total	City and County of Honolulu	Other counties			
			Hawaii	Kalawao	Kauai	Maui
Total persons	1,211,537	876,156	148,677	147	58,463	128,094
Male	608,671	440,518	74,499	73	29,252	64,329
Female	602,866	435,638	74,178	74	29,211	63,765
Males per 100 females	101.0	101.1	100.4	98.6	100.1	100.9
Under 18 years	295,767	208,758	38,852	3	15,443	32,711
18 to 64 years	755,169	549,661	89,706	97	34,951	80,754
65 years and over	160,601	117,737	20,119	47	8,069	14,629
Percent:						
Under 18 years	24.4	23.8	26.1	2.0	26.4	25.5
18 to 64 years	62.3	62.7	60.3	66.0	59.8	63.0
65 years and over	13.3	13.4	13.5	32.0	13.8	11.4
Median age (years)	36.2	35.7	38.6	58.6	38.4	36.8
In group quarters	35,782	30,945	2,804	-	632	1,401
Percent	3.0	3.5	1.9	0.0	1.1	1.1

Source: U.S. Census Bureau, "Table DP-1. Profile of General Demographic Characteristics: 2000" series (May 18, 2001).

TABLE 1.27-- DIFFERENCE IN POPULATION BY RACE, FOR THE STATE OF HAWAII: 1990 AND 2000

Subject	1990 Census		2000 Census			Difference between 1990 and 2000			
	Number	Percent of total population	Race alone 1/	Race alone or in combination 2/	Using race alone for Census 2000		Using race alone or in combination for Census 2000		
					Numerical difference (2000 minus 1990)	Percent difference (based on 1990)	Numerical difference (2000 minus 1990)	Percent difference (based on 1990)	
Total population 3/	1,108,229	100.0	1,211,537	1,211,537	103,308	9.3	103,308	9.3	
White	369,616	33.4	294,102	476,162	-75,514	-20.4	106,546	28.8	
Black or African American	27,195	2.5	22,003	33,343	-5,192	-19.1	6,148	22.6	
American Indian and Alaska Native	5,099	0.5	3,535	24,882	-1,564	-30.7	19,783	388.0	
Asian	522,967	47.2	503,868	703,232	-19,099	-3.7	180,265	34.5	
Native Hawaiian and Other Pacific Islander	162,269	14.6	113,539	282,667	-48,730	-30.0	120,398	74.2	
Some other races	21,083	1.9	15,147	47,603	-5,936	-28.2	26,520	125.8	

1/ One of the following six races: (1) White, (2) Black or African American, (3) American Indian and Alaska Native, (4) Asian, (5) Native Hawaiian and Other Pacific Islander (6) Some other race. If a person selected two or more detailed races within the same major race category, the person is counted under the "race alone" category for that major race. For example, if a person selected Japanese and Chinese, they are counted under the Asian "race alone" category.

2/ Alone or in combination with one or more of the other six races listed. Numbers for the six race groups may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may be of more than one race. For example, a person indicating "American Indian and Alaska Native and Asian and Native Hawaiian and Other Pacific Islander" is included with American Indian and Alaska Native, with Asian, and with Native Hawaiian and Other Pacific Islander.

3/ The differences between 1990 and 2000 for the total population are not affected by whether data on race are for race alone or for race alone or in combination.

Source: U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001).

Table 1.28-- RACE AND HISPANIC ORIGIN, BY COUNTIES: 2000

Race and Hispanic origin	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
State total	1,211,537	876,156	148,677	58,463	128,241
One race	952,194	701,532	106,389	44,525	99,748
White	294,102	186,484	46,904	17,255	43,459
Black or African American	22,003	20,619	698	177	509
American Indian and Alaska Native	3,535	2,178	666	212	479
Asian 2/	503,868	403,371	39,702	21,042	39,753
Native Hawaiian and Other Pacific Islander 3/	113,539	77,680	16,724	5,334	13,801
Some other race	15,147	11,200	1,695	505	1,747
Two or more races	259,343	174,624	42,288	13,938	28,493
Race alone or in combination with one or more other races: 4/					
White	476,162	308,838	77,477	27,113	62,734
Black or African American	33,343	29,764	1,789	518	1,272
American Indian and Alaska Native	24,882	15,921	4,847	1,376	2,738
Asian	703,232	539,384	70,921	31,752	61,175
Native Hawaiian and Other Pacific Islander	282,667	189,292	46,111	14,171	33,093
Some other race	47,603	32,003	7,271	2,445	5,884
Hispanic or Latino and Race					
Hispanic or Latino (of any race)	87,699	58,729	14,111	4,803	10,056
Mexican	19,820	13,362	2,635	935	2,888
Puerto Rican	30,005	18,933	6,243	1,539	3,290
Cuban	711	525	79	42	65
Other Hispanic or Latino	37,163	25,909	5,154	2,287	3,813
Not Hispanic or Latino	1,123,838	817,427	134,566	53,660	118,185
White alone	277,091	175,633	44,223	16,284	40,951

1/ Including Kalawao County (Kalaupapa Settlement). Kalawao had 147 inhabitants in 2000.

2/ Includes persons selecting one race and it was an Asian race as well as persons selecting two or more races of which all were Asian races.

3/ Includes persons selecting one race and it was an "Native Hawaiian and Other Pacific Islander" race as well as persons selecting two or more races of which all were "Native Hawaiian and Other Pacific Islander" races.

4/ In combination with one or more of the other races listed. The six numbers may add to more than the total population because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001).

Table 1.29-- RANKING OF RACES, FOR THE STATE OF HAWAII: 2000

["Race alone" consisted of people who chose only one race. "Race alone or in combination" consisted of people who chose one race or people who had chosen two or more races. Numbers for the "race alone or in combination" column may add to more than the total population. For example, a person indicating "White *and* Japanese *and* Native Hawaiian" is included in the White, Japanese, and Native Hawaiian race categories]

Race	Race alone	Race	Race alone or in combination
White	294,102	White	476,162
Japanese	201,764	Japanese	296,674
Filipino	170,635	Filipino	275,728
Native Hawaiian	80,137	Native Hawaiian	239,655
Chinese 1/	56,600	Chinese 1/	170,803
Korean	23,537	Korean	41,352
Black or African American	22,003	Black or African American	33,343
Samoaan	16,166	Samoaan	28,184
Vietnamese	7,867	American Indian and Alaska Native	24,882
Other Micronesia (exc. Guamanian or Chamorro)	6,492	Vietnamese	10,040
Tongan	3,993	Other Asian	10,020
American Indian and Alaska Native	3,535	Other Micronesia (exc. Guamanian or Chamorro)	8,401
Other Asian	3,418	Tongan	5,988
Laotian	1,842	Other Pacific Islander, not specified	5,059
Guamanian or Chamorro	1,663	Guamanian or Chamorro	4,221
Asian Indian	1,441	Asian Indian	3,145
Thai	1,259	Other Polynesian (exc. Native Haw, Samoaan, Tongan)	3,019
Other Pacific Islander, not specified	872	Laotian	2,437
Other Polynesian (exc. Native Haw, Samoaan, Tongan)	588	Thai	2,284
Indonesian	292	Indonesian	709
Cambodian	235	Fijian	459
Fijian	214	Malaysian	354
Malaysian	115	Cambodian	330
Sri Lankan	114	Sri Lankan	176
Pakistani	35	Pakistani	97
Other Melanesian (exc. Fijian)	26	Other Melanesian (exc. Fijian)	44
Hmong	20	Hmong	22
Bangladeshi	6	Bangladeshi	10

1/ For the Census 2000, in the category of "Race alone" for Chinese, there were 777 Taiwanese and in the category of "Race alone or in combination" for Chinese, there were 1,056 Taiwanese.

Source: U.S. Census Bureau, Summary File 1 Hawaii (July 25, 2001).

TABLE 1.30-- DIFFERENCE IN POPULATION BY DETAILED ASIAN RACE, FOR THE STATE OF HAWAII: 1990 AND 2000

Subject	1990 Census		2000 Census		Difference between 1990 and 2000			
	Number	Percent of total population	Race alone 1/	Race alone or in combination 2/	Using race alone for Census 2000		Using race alone or in combination for Census 2000	
					Numerical difference (2000 minus 1990)	Percent difference (based on 1990)	Numerical difference (2000 minus 1990)	Percent difference (based on 1990)
Total population	1,108,229	100.0	1,211,537	1,211,537	103,308	9.3	103,308	9.3
Total Asian population	522,967	47.2	3/ 469,180	3/ 814,181	-53,787	-10.3	291,214	55.7
Chinese 4/	68,804	6.2	56,600	170,803	-12,204	-17.7	101,999	148.2
Filipino	168,682	15.2	170,635	275,728	1,953	1.2	107,046	63.5
Japanese	247,486	22.3	201,764	296,674	-45,722	-18.5	49,188	19.9
Korean	24,454	2.2	23,537	41,352	-917	-3.7	16,898	69.1
Vietnamese	5,468	0.5	7,867	10,040	2,399	43.9	4,572	83.6
Other Asian	8,073	0.7	8,777	19,584	704	8.7	11,511	142.6

1/ People who chose only one race and it was an "Asian" race. An "Asian" is a person having origins in any of the original peoples of the Far East, Southeast Asia or the Indian subcontinent.

2/ People who chose only one race or people who have chosen two or more races, one of which is an "Asian" race. Numbers for the detailed Asian race groups may add to more than the total Asian population, and the percentages may add to more than 100 percent because individuals may be of more than one detailed Asian race. For example, a person indicating "Filipino and Japanese and Laotian" is included with the Filipino, Japanese and Laotian categories.

3/ Does not match "Asian" total for five major races found in Table 1.32 due to the difference in counting methodology.

4/ For the Census 2000, in the category of "Race alone" for Chinese, there were 777 Taiwanese and in the category of "Race alone or in combination" for Chinese, there were 1,056 Taiwanese. There were no separate categories for "Chinese, except Taiwanese" and "Taiwanese" in the 1990 Census.

Source: U.S. Census Bureau, Summary File 1 Hawaii (July 25, 2001); calculations by the Hawaii State Department of Business, Economic Development and Tourism, Hawaii State Data Center.

TABLE 1.31-- DIFFERENCE IN POPULATION BY DETAILED NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER RACE, FOR THE STATE OF HAWAII: 1990 AND 2000

Subject	1990 Census		2000 Census		Difference between 1990 and 2000			
	Number	Percent of total population	Race alone 1/	Race alone or in combination 2/	Using race alone for Census 2000		Using race alone or in combination for Census 2000	
					Numerical difference (2000 minus 1990)	Percent difference (based on 1990)	Numerical difference (2000 minus 1990)	Percent difference (based on 1990)
Total population	1,108,229	100.0	1,211,537	1,211,537	103,308	9.3	103,308	9.3
Total Native Hawaiian and Other Pacific Islander population	162,269	14.6	3/ 110,151	3/ 295,030	-52,118	-32.1	132,761	81.8
Polynesian	157,749	14.2	100,884	276,846	-56,865	-36.0	119,097	75.5
Native Hawaiian	138,742	12.5	80,137	239,655	-58,605	-42.2	100,913	72.7
Samoa	15,034	1.4	16,166	28,184	1,132	7.5	13,150	87.5
Tongan	3,088	0.3	3,993	5,988	905	29.3	2,900	93.9
Other Polynesian	885	0.1	588	3,019	-297	-33.6	2,134	241.1
Micronesian	3,968	0.4	8,155	12,622	4,187	105.5	8,654	218.1
Guamanian or Chamorro	2,120	0.2	1,663	4,221	-457	-21.6	2,101	99.1
Melanesian	291	0.0	240	503	-51	-17.5	212	72.9
Other Pacific Islander, not specified 3/	261	0.0	872	5,059	611	234.1	4,798	1,838.3

1/ People who chose only one race and it was a "Native Hawaiian and Other Pacific Islander" race. A "Native Hawaiian and Other Pacific Islander" is a person having origins in any of the original peoples of the Hawaii, Guam, Samoa, or other Pacific Islands.

2/ People who chose only one race or those who have chosen two or more races, one of which is a "Native Hawaiian and Other Pacific Islander"(NHOPI) race. Numbers for detailed NHOPI race groups may add to more than the total NHOPI population, and the percentages may add to more than 100% because individuals may be of more than one detailed NHOPI race, i.e., a person indicating "Native Hawaiian and Samoan and Chamorro" is included with the Native Hawaiian, Samoan and Chamorro categories.

3/ Does not match the "Native Hawaiian and Other Pacific Islander" total for five major races in Table 1.32 due to the difference in counting methodology.

Source: U.S. Census Bureau, Summary File 1 Hawaii (July 25, 2001); calculations by the Hawaii State Department of Business, Economic Development and Tourism, Hawaii State Data Center.

Table 1.32-- ETHNIC STOCK BY COUNTIES: 2000

[Excludes persons in institutions or military barracks, on Niihau, or in Kalawao.
Weighted data based upon a sample survey of 17,183 persons]

Ethnic stock 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
All groups	1,156,014	837,342	141,840	56,354	120,478
Unmixed (except Hawaiian)	670,694	505,636	69,310	31,887	63,861
Caucasian	237,019	157,856	32,964	14,692	31,506
Black	10,829	10,054	82	116	578
Japanese	211,364	170,412	19,997	6,843	14,113
Chinese	47,103	44,890	932	327	953
Filipino	141,696	101,450	14,873	9,735	15,638
Korean	11,510	10,673	344	22	471
Samoan/Tongan	11,173	10,301	119	152	601
Mixed (except Hawaiian) 2/ Hawaiian/part Hawaiian	230,410 254,910	163,145 168,560	29,725 42,805	11,311 13,156	26,228 30,390

1/ Ethnicity is based on the ethnicity of father and mother or self-identified. Definitions used in this table differ from those in reports of the U.S. Census Bureau. Persons of mixed race are shown separately in this table but in 1980 and 1990, census tabulations are assigned to one of the unmixed groups on the basis of self-identification or race of mother.

2/ Includes miscellaneous races and not reported (53,134 in 2000).

Source: Hawaii State Department of Health, Office of Health Status Monitoring, special tabulation.

**Table 1.33-- HAWAIIANS LIVING IN HAWAII OR OTHER STATES:
1980 AND 1990**

[Persons of mixed race classified by self-identification or by race of mother]

Place of residence	1980	1990	Percent increase
Hawaiians in U.S.	166,814	211,014	26.5
Living in Hawaii	115,500	138,742	20.1
Living in other States	51,314	72,272	40.8
California	23,086	34,447	49.2
Rest of U.S.	28,228	37,825	34.0

Source: U.S. Bureau of the Census, *1980 Census of Population, General Population Characteristics, U.S. Summary*, PC80-1-B1 (May 1983), table 62, and *1990 Census of Population, General Population Characteristics, U.S.*, 1990 CP-1-1 (Nov. 1992), table 253.

Table 1.34-- ANCESTRY: 1990

[Persons who reported at least one specific ancestry group. No more than two groups per person were coded]

Ancestry group 1/	Persons	Ancestry group 1/	Persons
Total 2/	1,108,229	Korean	28,887
English	71,569	Okinawan	5,998
German	102,883	Vietnamese	5,277
Irish	65,587	Hawaiian 3/	156,812
Portuguese	57,125	Samoan	14,971
Puerto Rican	16,432	Tongan	3,283
Chinese	96,293	Afro-American	23,864
Filipino	176,370	American Indian	14,835
Japanese	262,113	White	13,442
		Not reported	55,494

1/ Shown separately for all groups over 50,000, plus several smaller groups of special interest in Hawaii.

2/ Out of 1,335,722 responses, 1,052,735 reported a first ancestry and 282,987 reported a second ancestry as well.

3/ The U.S. total was 256,081.

Source: U.S. Bureau of the Census, *1990 Census of Population, Supplementary Reports, Detailed Ancestry Groups for States*, 1990 CP-S-1-2 (October 1992), tables 1 and 3.

Table 1.35-- HISPANIC ORIGIN BY RACE: 1990

[Data based on a five-percent sample and thus somewhat different from corresponding figures, elsewhere in this section, based on full counts or larger sample sizes]

Race	Total	Hispanic origin	Not of Hispanic origin
All races	1,104,668	74,918	1,029,750
White	368,911	21,525	347,386
Black	27,116	1,278	25,838
American Indian	4,731	935	3,796
Eskimo	323	-	323
Aleut	174	-	174
Chinese	67,152	1,552	65,600
Filipino	165,730	16,954	148,776
Japanese	252,722	2,039	250,683
Korean	24,576	270	24,306
Vietnamese	5,582	-	5,582
Other Asian	8,954	304	8,650
Hawaiian	136,135	12,327	123,808
Other Polynesian	17,512	463	17,049
Micronesian	5,211	1,083	4,128
Melanesian	326	-	326
Other Pacific Islander	298	45	253
All other	19,215	16,143	3,072

Source: U.S. Bureau of the Census, *1990 Public Use Microdata Sample, Hawaii*.

Table 1.36-- PLACE OF BIRTH AND CITIZENSHIP: 1980 AND 1990

Place of birth and citizenship	1980	1990
Total population	964,691	1,108,229
Born in United States	806,742	914,024
Hawaii	557,990	621,992
Other state	248,752	292,032
Northeast	46,698	53,125
Midwest	60,236	68,961
South	58,189	67,570
West	83,629	102,376
Born outside United States	157,949	194,205
Puerto Rico	1,182	1,502
U.S. outlying area	7,323	7,492
Born abroad of American parent(s)	12,428	22,507
Foreign born	137,016	162,704
Naturalized citizen	62,287	89,983
Not a citizen	74,729	72,721
18 years and over	689,108	828,004
Native	(NA)	678,227
Foreign born	(NA)	149,777
Naturalized citizen	(NA)	85,518
Not a citizen	(NA)	64,259
Born in Hawaii, living in U.S.	817,353	945,148
Born and living in Hawaii	557,990	621,992
Living on Mainland	259,363	323,156

NA Not available.

Source: U.S. Bureau of the Census, *1990 Selected Place of Birth and Migration Statistics for States*, CPH-L-121, tables 2 and 3; *1990 Age, Nativity, and Citizenship for the United States, States and Counties*, CPH-L-114, table 1; and data from STF-3A, extracted by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

Table 1.37-- LANGUAGE SPOKEN AT HOME BY PERSONS FIVE YEARS OLD AND OVER, BY ABILITY TO SPEAK ENGLISH: 1990

Language spoken at home 1/	Total	English ability			
		Very well	Well	Not well	Not at all
Persons 5 years and over	1,026,209	...	...	...	...
Only English at home	771,485	...	...	...	...
Other than English at home	254,724	130,306	76,827	42,225	5,366
French 2/	3,825	3,048	507	270	-
German	4,066	3,213	535	307	11
Portuguese	1,110	815	206	89	-
Spanish	13,723	10,321	2,409	932	61
Bisayan	1,710	753	603	340	14
Chinese 3/	25,489	10,417	8,088	5,476	1,508
Hawaiian 4/	8,872	6,711	1,566	584	11
Ilocano	26,283	10,493	9,849	5,433	508
Japanese	69,587	34,772	21,457	12,165	1,193
Korean	14,636	5,450	4,664	3,759	763
Samoan	9,420	5,712	2,514	1,012	182
Tagalog	55,341	27,289	18,699	8,701	652
Thai (Laotian)	2,811	1,121	1,099	483	108
Tongan	2,213	1,050	584	504	75
Vietnamese	4,620	1,525	1,597	1,302	196
All other languages	11,018	7,616	2,450	868	84

1/ Shown separately for languages with 1,000 or more speakers.

2/ Excludes 29 French Creole.

3/ Excludes 505 Mandarin.

4/ Excludes 48 Hawaiian Pidgin and 968 Pidgin.

Source: U.S. Bureau of the Census, *Language Spoken at Home and Ability to Speak English for United States, Regions and States: 1990*, 1990 CPH-L-133.

Table 1.38-- HOUSEHOLD TYPE AND RELATIONSHIP: 2000

Household type and relationship	State total	Oahu	Other islands
Total persons	1,211,537	876,156	335,381
In households	1,175,755	845,211	330,544
Householder	403,240	286,450	116,790
Spouse	216,077	156,195	59,882
Child	351,544	253,649	97,895
Own child under 18 years	239,483	167,706	71,777
Other relatives	127,659	96,718	30,941
Under 18 years	47,971	35,471	12,500
Nonrelatives	77,235	52,199	25,036
Unmarried partner	23,516	14,420	9,096
In group quarters	35,782	30,945	4,837
Institutionalized population	7,690	5,809	1,881
Noninstitutionalized population	28,092	25,136	2,956
Total households	403,240	286,450	116,790
Family households (families)	287,068	205,672	81,396
With own children under 18 years	129,322	91,022	38,300
Married-couple families	216,077	156,195	59,882
With own children under 18 years	96,758	70,442	26,316
Female householder, no husband present	49,923	35,138	14,785
With own children under 18 years	23,619	15,235	8,384
Nonfamily households	116,172	80,778	35,394
Householder living alone	88,153	61,963	26,190
Householder 65 years and over	28,565	20,021	8,544
Households with individuals under 18 years	153,008	108,247	44,761
Households with individuals 65 years and over	110,475	80,464	30,011
Persons per household	2.92	2.95	2.83
Persons per family	3.42	3.46	(NA)

Source U.S. Census Bureau, Census 2000 "Table DP-1. Profile of Demographic Characteristics for Hawaii: 2000" geographic area series (May 19, 2001).

**Table 1.39-- HOUSEHOLDS, FAMILIES, AND GROUP QUARTERS:
1950 TO 2000**

Year	Households	Families	Persons in --			Average size	
			Households	Families	Group quarters	Households	Families
1950	111,858	96,460	463,230	(NA)	36,564	4.14	(NA)
1960	153,064	129,481	592,807	555,894	39,965	3.87	4.29
1970	203,088	170,358	730,095	678,343	38,466	3.59	3.98
1980	294,052	226,035	925,092	814,983	39,599	3.15	3.61
1990	1/ 356,268	263,456	1/ 1,070,607	915,783	37,632	3.01	3.48
2000	403,240	287,068	1,175,755	982,348	35,782	2.92	3.42

NA Not available.

1/ Revised.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1950, General Characteristics, Hawaii*, P-B52 (1952), table 15; *U.S. Census of Population: 1960, General Population Characteristics, Hawaii*, PC (1)-13B, table 19; *1970 Census of Population, General Population Characteristics, Hawaii*, PC (1)-B13 (May 1971), table 22; *1980 Census of Population, General Population Characteristics, Hawaii*, PC80-1-B13 (July 1982), table 21; *1990 Census of Population, General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 39; *Estimates of Housing Units, Households, Households by Age of Householder, and Persons per Household of States: Annual Time Series, July 1, 1991 to July 1, 1996 (includes revised census housing and population counts)*, ST-96-24R (August 21, 1997), at <http://www.census.gov/population/estimates/housing/hsehld96.txt>; U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001).

Table 1.40-- HOUSING UNITS, HOUSEHOLDS, AND PERSONS PER HOUSEHOLD: ANNUALLY, 1990 TO 2000

[Estimates for 1991 through 1999 may be revised based upon the April 1, 2000 figures]

Date 1/	Housing units	Households	Persons per household
1990 (April 1)	389,811	356,268	3.01
1991	399,642	366,446	2.98
1992	407,219	375,018	2.96
1993	412,652	378,068	2.97
1994	419,439	381,119	2.98
1995	426,345	386,318	2.96
1996	433,039	391,202	2.93
1997	436,602	396,008	2.90
1998	440,044	400,927	2.87
1999	(NA)	(NA)	(NA)
2000 (April 1)	460,542	403,240	2.92

1/ As of July 1 unless otherwise specified.

Source: U.S. Bureau of the Census, *Estimates of Housing Units, Households, Households by Age of Householder, and Persons per Household of States: Annual Time Series, July 1, 1991 to July 1, 1998 (includes revised April 1 census housing and population counts)*, ST-98-51 (December 8, 1999), at <http://www.census.gov/population/estimates/housing/sthuhh6.txt>; U.S. Census Bureau, Census 2000 "Table DP-1. Profile of Demographic Characteristics for Hawaii: 2000" (May 19, 2001).

Table 1.41-- HOUSING UNITS, HOUSEHOLDS BY AGE, AND PERSONS PER HOUSEHOLD: 1990 AND 2000

Subject	April 1, 1990	April 1, 2000	Percent change
Total housing units	389,811	460,542	18.1
Households by age of householder, total	356,268	403,240	13.2
15 to 24 years	16,826	16,324	-3.0
25 to 34 years	73,004	60,907	-16.6
35 to 44 years	87,474	88,254	0.9
45 to 54 years	57,546	89,742	55.9
55 to 64 years	49,936	57,934	16.0
65 years and over	71,482	90,079	26.0
Persons in households	1,070,607	1,175,755	9.8
Persons per household 1/	3.01	2.92	-3.0

1/ The U.S. average in 2000 was 2.59.

Source: U.S. Bureau of the Census, *Estimates of Housing Units, Households, Households by Age of Householder, and Persons per Household of States: Annual Time Series, July 1, 1991 to July 1, 1998 (includes revised April 1 census housing and population counts)*, ST-98-51 (December 8, 1999), at <http://www.census.gov/population/estimates/housing/sthuhh6.txt>; U.S. Census Bureau, Summary File 1 Hawaii (July 25, 2001).

**Table 1.42-- HOUSEHOLDS, POPULATION IN HOUSEHOLDS, AND
POPULATION PER HOUSEHOLD, BY ISLANDS: 1990 AND 2000**

Island	Households		Population in households		Population per household	
	1990 1/	2000	1990 1/	2000	1990	2000
State total	356,267	403,240	1,070,597	1,175,755	3.01	2.92
Hawaii	41,461	52,985	118,632	145,873	2.86	2.75
Maui	30,272	40,156	90,031	116,417	2.97	2.90
Kahoolawe	-	-	-	-	-	-
Lanai	847	1,161	2,426	3,182	2.86	2.74
Molokai	2,088	2,305	6,647	7,241	3.18	3.14
Oahu	265,304	286,450	802,338	845,211	3.02	2.95
Kauai	16,253	20,147	50,293	57,671	3.09	2.86
Niihau	42	36	230	160	5.48	4.44

1/ Revisions to the 1990 state totals are not reflected in this table and revisions are not available by islands.

Source: U.S. Bureau of the Census, 1990 printouts; U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001).

**Table 1.43-- POPULATION IN GROUP QUARTERS, BY TYPE OF
GROUP QUARTERS, BY COUNTIES: 2000**

Type of group quarters	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
In group quarters	35,782	30,945	2,804	632	1,401
Institutionalized population 2/	7,690	5,809	931	345	605
Correctional institutions	3,233	2,567	211	131	324
Nursing homes	2,949	2,171	625	115	38
Hospitals/wards, hospices, and schools for the handicapped	1,292	923	27	99	243
Juvenile institutions	216	148	68	-	-
Noninstitutionalized population 3/	28,092	25,136	1,873	287	796
College dormitories (includes college quarters off campus)	4,716	3,667	939	-	110
Military quarters	13,992	13,978	-	14	-
Group homes	4,305	3,570	281	37	417
Religious group quarters	319	255	3	37	24
Dormitories	505	478	-	4	23
Crews of maritime vessels	1,298	1,298	-	-	-
Other nonhousehold living situations	632	508	88	16	20
Other noninstitutional group quarters	2,325	1,382	562	179	202

1/ Including Kalawao County (Kalaupapa Settlement). Kalawao County had no population in group quarters.

2/ Includes people under formally authorized, supervised care or custody in institutions such as correctional institutions, nursing homes, and juvenile institutions.

3/ Includes all people who live in group quarters other than institutions such as college dormitories, military quarters, and group homes.

Source: U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001); compiled by the Hawaii State Department of Business, Economic Development and Tourism, Hawaii State Data Center.

**Table 1.44 -- MARRIED COUPLES, UNMARRIED COUPLES, AND SUBFAMILIES:
1960 TO 1990**

Subject	1960	1970	1980	1990
Married couples	120,192	154,678	198,398	227,853
Married couple families 1/	113,164	147,326	188,933	215,835
Married couple subfamilies 2/	7,028	7,352	9,465	12,018
Percent	5.8	4.8	4.8	5.3
Unmarried couples	(NA)	(NA)	9,963	14,871
Subfamilies 2/	9,151	10,111	13,319	25,318
Married couple subfamilies	7,028	7,352	9,465	12,018
Mother-child subfamilies	1,731	2,288	3,132	10,264
Other subfamilies	392	471	722	3,036

NA Not available.

1/ Based on a sample; data may therefore differ somewhat from corresponding full-count tabulations.

2/ A subfamily is a married couple (husband and wife enumerated as members of the same household) with or without children, or one parent with one or more never married children under 18 years of age, living in a household and related to either the householder or householder's spouse. The number or percentage of subfamilies is sometimes treated as a measure of the "doubling up" of households.

Source: U.S. Bureau of the Census, *1960 Census of Population, Detailed Characteristics, Hawaii*, PC(1)-13D (1962), table 108; *1970 Census of Population, Detailed Characteristics, Hawaii*, PC(1)-D13 (1972), table 155; *1980 Census of Population, General Social and Economic Characteristics, Hawaii*, PC80-1-C13 (1983), table 64 and p. B-2; *1980 Census of Population, Detailed Population Characteristics, Hawaii*, PC80-1-D13 (1983), table 208; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (1993), table 21.

Table 1.45-- MARITAL STATUS, BY SEX: 1980 AND 1990

Marital status	1980		1990	
	Male	Female	Male	Female
Total, 15 years and over	378,665	360,251	441,420	428,783
Single	137,448	94,160	152,188	106,715
Now married, except separated	208,968	204,446	241,961	237,260
Separated	4,354	5,639	6,425	7,539
Widowed	7,198	29,220	9,053	38,530
Divorced	20,697	26,786	31,793	38,739

Source: U.S. Bureau of the Census, *1980 Census of Population, General Population Characteristics, Hawaii*, PC80-1-B13 (July 1982), table 21, and *1990 Census of Population, General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 39.

**Table 1.46--SINGLE, WIDOWED, OR DIVORCED PERSONS, BY SEX:
1960 TO 1990**

[Persons 14 years old and over for 1960 and 1970, and 15 years old and over for later dates]

Year	Single, widowed, or divorced			Never married		
	Male	Female	Sex ratio	Male	Female	Sex ratio
1960	98,384	65,156	151.0	84,965	44,376	191.5
1970	119,256	98,016	121.7	104,625	68,009	153.8
1980	165,343	150,166	110.1	137,448	94,160	146.0
1990	193,034	183,984	104.9	152,188	106,715	142.6

Source: 1980 from *1980 Census of Population, General Population Characteristics, Hawaii*, PC80-1-B13 (July 1982), table 21; 1990 from *1990 Census of Population, General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 39; other years from *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), pp. 31-32.

**Table 1.47-- CHURCH MEMBERSHIP, FOR SELECTED DENOMINATIONS:
1982 TO 1999**

Denomination	1982	1990	1999 1/
Buddhist:			
Honpa Hongwanji	21,500	2/ 10,308	(NA)
All Buddhist sects	(NA)	(NA)	100,000
Christian:			
Assembly of God	7,000	13,005	11,000
Church of Jesus Christ of Latter-day Saints	31,027	38,303	56,000
Episcopal	10,541	10,396	10,000
Lutheran	4,604	3,944	6,000
International Church of the Foursquare Gospel	(NA)	4,726	(NA)
Roman Catholic	209,000	232,780	215,000
Seventh-Day Adventists	4,147	5,931	(NA)
Southern Baptist Convention	11,340	20,331	17,000
United Church of Christ	17,485	22,852	19,000
United Methodist	6,242	8,348	7,000
Jewish:			
Total Jewish population	3/ 6,000	7,000	10,000

NA Not available.

1/ Estimated.

2/ 1987 data.

3/ 1983 data.

Source: Geography Department, University of Hawaii, *Atlas of Hawaii*, 2nd ed. (1983), p. 133; *The Honolulu Advertiser*, August 20, 1998 (p. A-8), April 30, 1994 (p. B-4), and Nov. 29, 1999 (p. 3); *Statistical Abstract of the United States: 1985*, p. 52; *Statistical Abstract of the United States: 1992*, p. 60.

Table 1.48-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION, BY MILITARY STATUS: 1980 TO 1990 AND 1990 TO 2000

[Data for 1980-1990 is not comparable to data for 1990-2000]

Period and component	All groups	Armed forces	Civilian population			
			Military dependents	Not military dependents		
				Number	Annual average	Percent distrib.
1980 TO 1990 1/						
Net change	143,538	-1,723	-4,088	149,349	14,935	100.0
Natural increase	112,148	-604	34,007	78,745	7,875	52.7
Live births	168,523	-	34,847	133,676	13,368	...
Deaths	56,375	604	840	54,931	5,493	...
Net mil. separations 2/	-	734	-	-734	-73	-0.5
Net migration 3/	31,390	-1,853	-38,095	71,338	7,134	47.8
1990 TO 2000 4/						
Net change	103,308	(NA)	-17,402	(NA)	(NA)	100.0
Natural increase	113,111	-1,466	32,562	82,015	8,202	(NA)
Live births	187,256	-	33,328	153,928	15,393	...
Deaths	74,145	1,466	766	71,913	7,191	...
Net mil. separations 2/	} -9,803	(NA)	-49,964	(NA)	(NA)	(NA)
Net migration 3/						

1/ April 1, 1980 to March 31, 1990.

2/ Separations less inductions for armed forces.

3/ Includes error of closure.

4/ April 1, 1990 to March 31, 2000.

Source: Estimated by the Hawaii State Department of Business, Economic Development, & Tourism using data from the U.S. Census Bureau's decennial censuses and the Federal-State Cooperative Program for Population Estimates, DBEDT surveys of military population, and special tabulations by the Hawaii State Department of Health.

Table 1.49-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION, BY COUNTIES: 1990 TO 2000

[Data refer to ten year period ending March 31, 2000. For 1980-1990 estimates, see Data Book 1993-94, Table 1.41]

Component	State total	Honolulu	Hawaii	Kauai	Maui 1/
Net change	103,308	39,925	28,360	7,286	27,737
Natural increase	113,112	86,733	10,477	4,601	11,301
Live births	187,256	139,711	20,565	8,567	18,413
Deaths	74,144	52,978	10,088	3,966	7,112
Net migration 2/	-9,804	-46,808	17,883	2,685	16,436

1/ Including Kalawao County.

2/ Residual based on net change less natural increase.

Source: U.S. Census Bureau, Census 2000 Redistricting Data, (Public Law 94-171) Summary File and 1990 Census STF1A; Hawaii State Department of Health, Office of Health Status Monitoring; figures compiled and calculations by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

Table 1.50-- INTENDED RESIDENTS ARRIVING IN HAWAII, DOMESTIC AND INTERNATIONAL: 1990 TO 2000

Year	Total	Domestic	International
1990	38,170	29,320	8,850
1991	24,690	17,430	7,260
1992	46,070	41,790	4,280
1993	42,050	39,810	2,240
1994	41,070	36,020	5,050
1995	41,320	36,110	5,210
1996	36,249	32,349	3,900
1997	36,600	33,020	3,580
1998	35,050	28,550	6,500
1999	34,022	27,841	6,181
2000	39,138	31,710	7,428

Source: Tourism Research Branch of the Hawaii State Department of Business, Economic Development & Tourism, records.

Table 1.51-- IMMIGRANTS ADMITTED, BY COUNTRY OF BIRTH: 1994 TO 1998

[Years ended September 30. Data refer to immigrants admitted to the United States, reporting Hawaii as their State of intended permanent residence, and include non-immigrant arrivals who changed their status after entry. Data include immigrants admitted under Section 245A of the Immigration Reform and Control Act of 1986. These formerly illegal aliens must have resided in the U.S. since 1982 to qualify or were employed in seasonal agriculture work for a minimum of 90 days between May 1985 and May 1996; therefore, they are not new residents]

Country of birth	1994	1995	1996	1997	1998
All countries	7,746	7,537	8,436	6,867	5,465
Canada	155	167	125	70	49
Hong Kong	239	184	183	118	(NA)
Japan	510	485	480	540	(NA)
Korea	329	408	398	287	286
People's Republic of China	743	480	555	479	482
Philippines	4,329	4,308	5,208	4,266	3,140
Taiwan	81	87	145	57	48
Vietnam	353	332	328	214	101
Other countries	1,007	1,086	1,014	836	1,359

NA Not available.

Source: U.S. Immigration and Naturalization Service, Office of Policy and Planning, *1998 Statistical Yearbook* at <http://www.ins.gov/graphics/aboutins/statistics/imm98.pdf>.

Table 1.52-- PERSONS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE: 1993 TO 1998

[Years ended September 30]

Year	All countries	China and Taiwan	Korea	Philippines	United Kingdom	Vietnam	Other countries
1993	4,960	477	302	3,035	37	252	857
1994	4,659	434	403	2,571	182	245	824
1995	1/ 5,174	433	459	2,865	190	304	931
1996	6,090	556	579	2,940	251	517	1,247
1997	3,994	328	390	1,941	154	362	819
1998	4,493	(2/)	362	2,083	33	419	3/ 1,297

1/ "All countries" total was revised, but revisions for separate categories were not available.

2/ People's Republic of China figure was 299. Taiwan figures were not available.

3/ Mexico, 91; Laos, 78; others, 1,128.

Source: U.S. Immigration and Naturalization Service, Office of Policy and Planning, *1998 Statistical Yearbook* at <http://www.ins.gov/graphics/aboutins/statistics/Natz98.pdf>.

Table 1.53-- RESIDENCE IN 1985 OF PERSONS 5 YEARS AND OVER, FOR THE STATE AND OAHU: 1990

Residence in 1985	State total	Oahu only
Persons 5 years and over	1,026,209	775,063
Lived in same house	522,612	390,155
Lived in different house in U.S.	455,180	343,548
Same State	288,227	209,319
Same county	264,910	201,127
Different county	23,317	8,192
Different State	166,953	134,229
Lived abroad	48,417	41,360
Hawaii in 1985, Mainland in 1990	187,209	(NA)

NA Not available.

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), tables 23 and 37, and *1990 Selected Place of Birth and Migration Statistics for States*, CPH-L-121 (undated), table 4.

Table 1.54--MIGRATION BY ORIGIN AND DESTINATION: 2000

[Excludes persons in institutions or military barracks, on Niihau, or in Kalawao. Based on a sample survey of 17,183 persons. Weighted and adjusted data]

Area migrated from	Area migrated to						
	State total	Oahu	Hawaii	Kauai	Maui	Molokai	Lanai
Total	40,043	30,758	3,695	1,355	3,994	181	60
Within state	2,668	941	694	68	818	107	41
Oahu	1,118	(X)	513	68	414	89	34
Hawaii	591	349	(X)	-	229	7	7
Kauai	35	-	24	(X)	-	11	-
Maui	552	450	102	-	(X)	-	-
Molokai	372	142	55	-	175	(X)	-
Lanai	-	-	-	-	-	-	(X)
Other state	29,601	23,359	2,598	1,039	2,548	45	12
U.S. Territory	188	-	-	148	40	-	-
Other country	7,561	6,458	402	100	562	29	8
Unknown	26	-	-	-	26	-	-

X Not applicable.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Hawaii Health Survey, special tabulation.

Table 1.55-- INTERCOUNTY MIGRATION, BY DESTINATION AND AGE: 2000

[Excludes persons in institutions or military barracks, on Niihau, or in Kalawao. Based on a sample survey of 17,183 persons. Weighted and adjusted data]

Age group	County migrated to				
	State total	Oahu	Hawaii	Kauai	Maui
Total	40,043	30,758	3,695	1,355	4,236
Under 15 years	8,477	7,035	725	89	631
15 to 24 years	9,291	7,778	883	225	405
25 to 34 years	7,865	6,123	428	394	919
35 to 44 years	6,379	4,977	400	332	671
45 to 54 years	4,761	3,417	427	189	727
55 to 64 years	1,573	693	436	92	352
65 years and over	1,591	689	398	34	471
Unknown	106	47	-	-	59

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Hawaii Health Survey, special tabulation.

Section 2

VITAL STATISTICS AND HEALTH

This section presents data on births, deaths, marriages, divorces, diseases, accidents, health risk behaviors such as drinking and smoking, hospitals, and health care personnel.

The major source for data on vital statistics and health is the Hawaii State Department of Health. Long-term trends are traced in *Historical Statistics of Hawaii*, Section 2. Sections 2 and 3 of the *Statistical Abstract of the United States: 2000* contain data for the nation as a whole.

Table 2.01-- BIRTHS AND DEATHS: 1980 TO 1999

Calendar year	Resident births 1/	Resident deaths 1/	Rates per 1,000 resident population 2/		Rates per 1,000 live births 3/		
			Births	Deaths	To unmarried mothers	Fetal deaths 4/	Infant deaths 5/
1980	18,129	4,903	18.7	5.1	175.6	15.3	10.8
1981	18,174	4,927	18.6	5.0	181.8	13.1	10.5
1982	18,675	5,123	18.8	5.2	186.3	12.7	8.9
1983	19,090	5,409	18.8	5.3	197.8	11.4	10.0
1984	18,667	5,571	18.2	5.4	191.8	9.5	10.9
1985	18,267	5,751	17.6	5.5	201.3	9.7	9.1
1986	18,253	5,788	17.4	5.5	203.9	11.0	9.2
1987	18,555	6,149	17.4	5.8	213.7	9.2	8.8
1988	18,937	5,970	17.5	5.5	223.3	10.8	7.4
1989	19,335	6,381	17.7	5.8	239.0	9.9	8.4
1990	20,438	6,687	18.4	6.0	249.3	10.4	7.1
1991	19,880	6,696	17.6	5.9	262.5	10.5	7.0
1992	19,837	6,846	17.3	6.0	264.5	11.1	6.5
1993	19,567	7,226	16.8	6.2	273.0	11.7	7.6
1994	19,438	7,206	16.6	6.1	283.8	12.0	6.8
1995	18,552	7,482	15.7	6.3	291.8	12.1	5.9
1996	18,378	7,803	15.5	6.6	302.3	9.6	5.8
1997	17,326	7,710	14.6	6.5	299.0	8.5	6.4
1998	17,567	7,969	14.8	6.7	319.4	8.1	6.8
1999	17,032	8,125	14.4	6.9	328.4	10.8	7.1

1/ Events occurring in Hawaii. Data include births to military couples and deaths of armed forces and their dependents, but exclude nonresident births and deaths, as well as resident births and deaths occurring out of State.

2/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 29, 1999.

3/ Place of occurrence basis.

4/ 20 weeks gestation and over. Includes elective abortions.

5/ Under 1 year of age.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and Office of Health Status Monitoring, records; Rates per 1,000 resident population calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.02-- BIRTHS AND DEATHS, BY MILITARY STATUS: 1995 TO 1999

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
1995	18,636	-	18,636	3,172	15,464	3,172
1996	18,451	-	18,451	3,132	15,319	3,132
1997	17,415	-	17,415	3,131	14,284	3,131
1998	17,628	-	17,628	3,011	14,617	3,011
1999	17,102	-	17,102	2,756	14,346	2,756
Deaths:						
1995	7,795	173	7,622	65	7,557	238
1996	8,148	185	7,963	77	7,886	262
1997	8,016	151	7,865	78	7,787	229
1998	8,297	175	8,122	85	8,037	260
1999	8,445	195	8,250	62	8,188	257
Birth rates: 2/						
1995	14.5	0	15.1	68.2	13.0	32.6
1996	14.3	0	14.8	56.6	12.9	30.3
1997	13.5	0	14.0	56.3	12.0	31.3
1998	13.3	0	13.8	49.7	12.0	28.5
1999	13.1	0	13.5	62.1	11.7	32.2
Death rates: 2/						
1995	6.1	3.4	6.2	1.4	6.4	2.4
1996	6.3	3.9	6.4	1.4	6.6	2.5
1997	6.2	3.4	6.3	1.4	6.6	2.3
1998	6.3	3.9	6.4	1.4	6.6	2.5
1999	6.5	4.7	6.5	1.4	6.7	3.0

1/ Death rates for military dependents based on 1990 age and sex composition of military dependents and 1990 age-sex-specific death rates for all civilians. Deaths of civilians other than military dependents calculated as residual.

2/ Per 1,000 de facto population in each group. Calculation of de facto population are based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 29, 1999.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; birth and death rates calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.03-- LIVE BIRTHS, STANDARD FETAL DEATHS, AND ELECTIVE ABORTIONS: 1994 TO 1999

[Place of residence basis]

Calendar year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rate 1/			
1994	26,457	22.5	19,438	1,265	5,754
1995	25,139	21.3	18,552	1,086	5,501
1996	24,234	20.5	18,378	985	4,871
1997	22,680	19.1	17,326	854	4,500
1998	22,794	19.1	17,567	1,084	4,143
1999	22,266	18.8	17,032	903	4,331

1/ Per 1,000 resident population, July 1. Based on population estimates by the U.S. Census Bureau, as revised through Dec. 29, 1999.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records; Rates calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.04-- BIRTHS AND DEATHS, BY RESIDENCE: 1996 TO 1999

Event and year	Occurring in Hawaii				Persons born in or current residents of Hawaii 1/	
	Total	Resident	Non-resident	Not reported	Total	Out of State
Births:						
1996	18,451	18,378	69	4	18,396	18
1997	17,415	17,326	87	2	(NA)	(NA)
1998	17,628	17,567	61	-	(NA)	(NA)
1999	17,102	17,032	70	-	(NA)	(NA)
Deaths:						
1996	8,148	7,803	338	7	8,124	321
1997	8,016	7,710	303	3	(NA)	(NA)
1998	8,297	7,969	321	7	(NA)	(NA)
1999	8,445	8,125	307	13	(NA)	(NA)

NA Not available.

1/ Birth figures exclude mothers who were born in Hawaii but are now residents of another state.

Death figures include deaths of Hawaii residents occurring in Hawaii or in other states as well as Guam, Canada, and other foreign countries as well as deaths of persons born in Hawaii but who were residents of other states at the time of death. The death, however, must have been reported to the Hawaii Department of Health by the health department in the location that the death occurred.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

Table 2.05-- CHARACTERISTICS OF RESIDENT BIRTHS: 1997 TO 1999

[Excludes births to Hawaii residents occurring out of state]

Subject	1997	1998	1999
Number of resident births	17,326	17,567	17,032
City and County of Honolulu	12,860	13,127	12,546
Percent on Oahu	74.2	74.7	73.7
Hawaii County	1,891	1,912	1,926
Kauai County	742	773	751
Maui County (incl. Kalawao)	1,833	1,755	1,809
Percent attended by M.D. or D.O. in hospital	94.6	1/ 94.9	95.3
Males per 100 females	106.0	104.8	107.5
Median weight of single births (grams)	3,295	3,310	3,315
Percent low birth weight (under 2,500 grams)	7.1	7.9	7.6
Percent single births under 40 weeks gestation	56.9	59.4	61.2
Percent plural	1.6	2.3	2.2
Percent with 1 or more congenital malformations	4.0	6.3	9.3
Percent to unmarried mothers	30.0	32.0	32.9
Percent with prenatal visit in first three months	81.3	81.0	82.4
Percent first child born to mother 2/	29.9	31.8	30.8
Percent first child born alive to mother	42.1	1/ 42.4	42.6
Median age of mothers (years)	27	27	27
Median age of known fathers (years)	30	30	30

1/ Revised.

2/ Includes live births, fetal deaths, and abortions.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

Table 2.06-- CHILDREN EVER BORN PER 1,000 WOMEN 15 TO 44 YEARS OLD, BY GEOGRAPHIC AREA: 1990

Age of women	State total	Oahu	Other islands
Women 15 to 24 years	289	281	316
Women 25 to 34 years	1,199	1,132	1,423
Women 35 to 44 years	1,812	1,778	1,911

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 35.

Table 2.07-- BIRTH AND FERTILITY RATES FOR THE UNITED STATES AND HAWAII: 1998

[Excludes births to nonresidents of the United States]

Type of rate	United States	Hawaii	Rank of Hawaii 1/
Births per 1,000 population	14.6	14.7	2/ 16
Fertility rate 3/	65.6	69.6	9

1/ Among 50 States and D.C., highest rate ranking 1.

2/ Tied with the District of Columbia.

3/ Births per 1,000 women aged 15 to 44.

Source: U.S. Census Bureau, *Statistical Abstract of the United States: 2000*, p. 67.

Table 2.08-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE, BY MILITARY STATUS OF PARENTS: 1999

Military status of parents	Total births	Unmixed	Mixed 1/	Not reported 2/	Percent mixed 3/
Total	17,032	6,782	9,256	994	57.7
Military	2,746	1,897	787	62	29.3
Civilian	12,708	4,859	7,830	19	61.7
Status not reported	1,578	26	639	913	96.1

1/ Includes all Part Hawaiian births, including those in which both parents were Part Hawaiian.

2/ One or both parents of unspecified race (unless one was Part Hawaiian) or both parents classified as "other".

3/ Based on number reporting.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.09-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES,
BY SEX: 1999**

A total of 7,361 first names, including variant spellings, was reported for the 17,102 babies born in Hawaii in 1999]

Rank	Boys' names		Girls' names	
	Name	Number	Name	Number
1	Joshua	129	Taylor	74
2	Noah	110	Kayla	68
3	Justin	92	Jasmine	56
4	Dylan (tie)	85	Ashley	52
5	Matthew (tie)	85	Alyssa (tie)	49
6	Tyler	84	Sarah (tie)	49
7	Isaiah (tie)	77	Emily	48
8	Michael (tie)	77	Jessica	42
9	Christopher	75	Lauren	41
10	Jacob	73	Nicole	39

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.10-- MOST COMMON SURNAMES ON BIRTH AND DEATH
CERTIFICATES: 1999**

Rank	Birth certificates		Death certificates	
	Surname	Births	Surname	Deaths
1	Lee	91	Lee	61
2	Smith	73	Wong	41
3	Kim	54	Chang	34
4	Johnson	52	Kim	32
5	Wong	46	Tanaka	30
6	Ramos (tie)	42	Oshiro	29
7	Young (tie)	42	Chun (tie)	28
8	Brown	40	Smith (tie)	28
9	Fernandez (tie)	39	Lum	25
10	Nguyen (tie)	39	Higa	24
	Williams (tie)	39		

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.11-- EXPECTATION OF LIFE AT BIRTH FOR BOTH SEXES
COMBINED, BY RACE: 1910 TO 1990**

[In years]

Year	All races	Caucasian	Chinese	Filipino	Hawaiian and Part- Hawaiian	Japanese	Other
1910	43.96	54.83	54.17	(NA)	32.58	49.34	15.62
1920	45.69	56.45	53.80	28.12	33.56	50.54	28.38
1930	53.95	61.90	60.07	46.14	41.87	60.07	32.58
1940	62.00	64.03	65.32	56.85	51.78	66.28	59.48
1950	69.53	69.21	69.74	69.05	62.45	72.58	68.29
1960	72.42	72.80	74.12	71.53	64.60	75.68	62.19
1970	74.20	73.24	76.11	72.61	67.62	77.44	76.74
1980	77.78	75.79	81.65	79.32	71.83	80.91	78.98
1990	78.85	75.53	82.93	78.94	74.27	82.06	80.37

NA Not available.

Source: Hawaii State Department of Health, "Life Tables by Ethnic Group for Hawaii, 1980," by Robert W. Gardner, *R & S Report*, No. 47, (March 1984), p. 7, and "Life Expectancy in the State of Hawai'i 1980 and 1990," *R & S Report*, No. 63 (August 1996), pp. 18-33.

Table 2.12-- EXPECTATION OF LIFE AT BIRTH, BY SEX, FOR THE UNITED STATES AND HAWAII: 1900 TO 1998

[Average expectation of life (e_0) in years]

Year	United States 1/			Hawaii		
	Both sexes	Male	Female	Both sexes	Male	Female
1900	47.3	46.3	48.3	(NA)	(NA)	(NA)
1910	50.0	48.4	51.8	43.96	44.04	43.83
1920	54.1	53.6	54.6	45.69	45.64	45.75
1930	59.7	58.1	61.6	53.95	52.70	55.86
1940	62.9	60.8	65.2	62.00	59.92	64.86
1950	68.2	65.6	71.1	69.53	67.77	71.67
1960	69.7	66.6	73.1	72.42	70.39	74.75
1970	70.8	67.1	74.7	74.20	72.12	76.44
1980	73.7	70.0	77.4	77.78	74.54	81.51
1990	75.4	71.8	78.8	78.85	75.90	82.06
1998	76.7	73.8	79.5	(NA)	(NA)	(NA)

NA Not available.

1/ 1910 and 1920 data are for the death-registration states only.

Source: U.S. Department of Health and Human Services, National Center for Health Statistics, "United States Life Tables, 1998", *National Vital Statistics Reports*, Vol. 48, No. 18, Feb. 7, 2001, table 12; Hawaii State Department of Health, Office of Health Status Monitoring, "Life Tables by Ethnic Group for Hawaii, 1920-1970," *R & S Report*, No. 26 (June 1979), pp. 8-26; and "Life Expectancy in the State of Hawai'i, 1980 and 1990," *R & S Report*, No. 63 (August 1996), p. 9.

Table 2.13-- AVERAGE LIFETIME, BY SEX: 1959-61 TO 1989-91

Period	Years			Rank 1/		
	Both sexes	Male	Female	Both sexes	Male	Female
1959-1961	71.55	69.79	74.01	7	(NA)	(NA)
1969-1971	73.60	71.02	76.79	1	1	3
1979-1981	77.02	74.08	80.33	1	1	1
1989-1991 2/	78.21	75.37	81.26	1	1	1

NA Not available.

1/ Among the 50 states and D.C., with the highest average lifetime in years ranking 1.

2/ Average lifetime for all states combined was 75.37 years for both sexes combined, 71.83 years for males, and 78.81 years for females.

Source: U.S. Department of Health, Education, and Welfare, National Center for Health Statistics, *Life Tables: 1959-61*, Vol. 2, No. 12, *Hawaii State Life Tables: 1959-61* (June 1966), p. 160, and unpublished tabulations; U.S. Department of Health, Education, and Welfare, National Center for Health Statistics, *U.S. Decennial Life Tables for 1969-71*, Vol. II, No. 12, *Hawaii State Life Tables: 1969-71* (June 1975), p. 12-6; and U.S. Department of Health and Human Services, National Center for Health Statistics, *U.S. Decennial Life Tables for 1979-81*, Vol II, *State Life Tables*, No. 12, *Hawaii* (December 1985) p. 12-3, and *U.S. Decennial Life Tables for 1989-91*, Vol. II, *State Life Tables*, No. 12, *Hawaii* (March 1998), p. 4.

Table 2.14-- SELECTED LIFE TABLE VALUES: 1989-91

Exact age in years (x)	Average expectation of life in years (e_x)			Number surviving to specified age per 100,000 born alive (l_x)		
	Both sexes	Male	Female	Both sexes	Male	Female
0	78.21	75.37	81.26	100,000	100,000	100,000
1	77.80	75.01	80.78	99,253	99,154	99,358
5	73.95	71.18	76.92	99,053	98,925	99,189
15	64.12	61.37	67.06	98,817	98,647	98,997
25	54.53	51.89	57.32	98,128	97,739	98,570
35	45.04	42.58	47.59	97,132	96,291	98,063
45	35.74	33.49	38.06	95,418	93,989	96,982
55	26.98	24.93	29.06	91,637	89,354	94,067
65	18.98	17.31	20.66	83,847	79,600	88,093
75	12.01	10.88	13.07	68,406	61,075	76,007
85	6.55	5.71	7.07	40,617	32,940	49,596
95	3.29	2.92	3.40	8,840	5,002	12,652

Source: U.S. Department of Health and Human Services, National Center for Health Statistics, *U.S. Decennial Life Tables for 1989-91*, Vol. II, *State Life Tables*, No. 12, *Hawaii* (March 1998), pp. 6-11.

Table 2.15-- CHARACTERISTICS OF RESIDENT DEATHS: 1997 TO 1999

[Excludes deaths to Hawaii residents occurring out of state]

Subject	1997	1998	1999
Number of resident deaths	7,710	7,969	8,125
City and County of Honolulu	5,484	5,609	5,800
Hawaii County	1,052	1,123	1,105
Kauai County	419	418	449
Maui County (incl. Kalawao)	755	819	771
Males per 100 females	133.1	1/ 129.7	133.4
Median age (years)	75	76	76
Centenarian deaths: Male	14	11	16
Female	42	51	57
Oldest (years): Male	105	105	112
Female	110	108	110
Percent married	46.3	45.0	46.2
Deaths under 1 year	104	116	118
Per 1,000 live births	6.0	6.6	6.9
Fetal deaths 2/	5,354	5,227	5,234
Per 1,000 deliveries	236	229	235
Fetal deaths, 20 or more weeks gestation 3/	148	142	184
Per 1,000 live births	8.5	8.1	10.8
Standard fetal deaths 4/	854	1,084	903
Elective abortions	4,500	4,143	4,331
Per 1,000 live births	259.7	235.8	254.3

1/ Revised.

2/ Includes elective abortions.

3/ Place of occurrence basis. Includes elective abortions if 20 weeks or more.

4/ Excludes elective abortions.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

Table 2.16-- CAUSE OF DEATH, BY SEX: 1999

[Place of residence basis. Method of coding "causes of death" changed to the International Classification of Diseases, Version 10]

Cause of death	Both sexes	Males	Females
Total deaths	8,125	4,644	3,481
HIV Disease	28	22	6
Malignant Neoplasm:	1,881	1,068	813
of Stomach	114	68	46
of Colon, Rectum and Anus	166	86	80
of Pancreas	133	65	68
of Trachea, Bronchus and Lung	450	283	167
of the Female Breast	135	-	135
of Cervix Uteri, Corpus Uteri and Ovary	59	-	59
of Prostate	117	117	-
of Urinary Tract	78	55	23
Non-Hodgkin's Lymphoma	91	57	34
Leukemia	57	36	21
Other Malignant Neoplasms	481	301	180
Diabetes Mellitus	209	111	98
Alzheimer's Disease	108	39	69
Diseases of the Heart	2,364	1,411	953
Hypertensive Heart Disease	73	39	34
Ischemic Heart Disease	1,452	900	552
Other Forms of Heart Disease	839	472	367
Hypertension	80	34	46
Cerebrovascular Disease	746	387	359
Atherosclerosis	32	17	15
Other Circulatory System Diseases	99	60	39
Influenza/Pneumonia	227	138	89
Chronic Lower Respiratory Diseases	286	168	118
Peptic Ulcer	15	7	8
Chronic Liver Disease and Cirrhosis	70	46	24
Nephritis and Nephrosis	132	74	58
Perinatal Conditions	58	28	30
Congenital Anomalies	35	19	16
Symptoms and Ill-Defined Conditions	53	25	28
Other Diseases 1/	1,199	635	564
Motor Vehicle Accidents	81	56	25
All Other and Unspecified Accidents and adverse effects	215	143	72
Intentional Self-Harm (Suicide)	132	104	28
Assault (Homicide)	38	27	11
All Other External Causes	37	25	12

1/ Includes Tuberculosis, Sudden Infant Death Syndrome, and Complications of Pregnancy, Childbirth and Puerperium

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.17-- GREATEST CATASTROPHIC MORTALITY OF RECORD,
BY TYPE OF DISASTER: 1778 TO 2001**

[Complete through June 15, 2001]

Type of disaster	Date	Location	Event	Deaths
Aircraft	Mar. 22, 1955	Waianae Mts.	Crash of MATS R6-D	66
Asphyxiation	Oct. 19, 1937	Palama	Leaking gas in house	8
Construction	Mar. 25, 1930	Kauai	Collapse of Alexander Dam	6
Earthquake	Apr. 2, 1868	Ka'u; Puna	Earthquake	32
Explosion	May 21, 1944	West Loch	Explosions on 9 Navy ships loading ammunition	163
Fire	June 8, 1944	Kalihi	Colliding bombers set fire to houses 1/	10
	Oct. 15, 1997	Palolo	Fire destroyed 3 houses	7
Flood	Jan. 18, 1916	Iao; Wailuku	Cloudburst and flood	14
Homicide	Nov. 2, 1999	Iwilei	Mass murder in office	7
Hurricane	Sept. 11, 1992	Kauai; Oahu	Hurricane Iniki	8
Landslide	May 9, 1999	Sacred Falls	Landslide	8
Marine	1829 or 1830	New Hebrides	Losses to Boki's ships 2/	410
Motor vehicle	July 2, 1944	Waialua	Truck overturned on pedestrians	7
	July 5, 1969	Kamehameha Hwy at Puuloa	2-car accident	7
Railroad	June 26, 1916	Near Hana	Work train derailed	5
Tsunami	Apr. 1, 1946	Statewide	Tsunami	159
Volcano	Nov. 1790	Kilauea	Eruption killed soldiers	80 or 400
War, riots, etc.	Dec. 7, 1941	Oahu	Pearl Harbor attack	2,500
	Jan. 1790	Olowalu	U.S. ship fired on native canoes	> 100
	Sept. 9, 1924	Hanapepe	Police fired on strikers	20

1/ Death toll in burning houses; in addition, 4 airmen perished.

2/ Of Boki's two-ship expedition to New Hebrides, the *Kamehameha* and its crew of 250 vanished; the *Becket* survived but lost 160 of its crew.

Source: Robert C. Schmitt, "Catastrophic Mortality in Hawaii," *The Hawaiian Journal of History*, Vol. 3 (1969), pp. 66-86, and "Catastrophic Mortality in Hawaii: An Update," *The Hawaiian Journal of History*, Vol. 23 (1989), pp. 217-227; *Data Book 1998*, table 2.17, as updated.

Table 2.18-- CATASTROPHIC MORTALITY: 1991 TO 2001

[Includes all accidents, natural disasters, and other events causing five or more deaths.
Complete through Feb. 14, 2001]

Date	Place	Kind of disaster	Deaths
1991: Aug. 25-26	Waipahu and Kailua	Murder spree	5
1992: Jan. 14	Between Oahu and Maui	Airplane disappearance	5
Apr. 22	Haleakala summit, Maui	Airplane crash	9
Sept. 11	Kauai and Oahu	Hurricane Iniki	8
Sept. 16	Haleakala slope, Maui	Helicopter crash	7
1994: Jan. 21	Keawaula Bay, Oahu	1-car auto crash	5
1995: Nov. 10	Kuliouou, Oahu	1-car auto crash	5
1996: Nov. 1	Halawa, Molokai	Airplane crash	5
1997: Oct. 15	Palolo Valley, Honolulu	3 houses destroyed by fire	7
1998: June 25	Waialeale Crater, Kauai	Helicopter crash	6
1999: May 9	Sacred Falls, Oahu	Landslide	8
Sept. 25	Mauna Loa slope, Hawaii	Airplane crash	10
Nov. 2	Iwilei, Honolulu	Mass murder in office	7
2000: July 21	Iao Valley, Maui	Helicopter crash	7
2001: Feb. 9	9 mi. south of Diamond Head	Surfacing submarine hit and sank Japanese training ship	9
Feb. 12	Mts. near Sunset Beach, Oahu	Crash of two Army helicopters	6

Source: Hawaii State Department of Business, Economic Development & Tourism file of newspaper accounts.

Table 2.19-- DEATHS OCCURRING IN HAWAII, BY METHOD OF DISPOSITION: 1970 TO 1999

Method	1970	1980	1990	1997	1998	1999
All methods	4,197	5,204	7,055	8,016	8,297	8,445
Burial	2,197	2,343	2,798	2,811	2,855	2,785
Cremation	1,509	2,241	3,564	4,616	4,807	5,027
Removal	470	567	656	548	580	569
Entombment	13	44	35	20	16	17
Medical science	3	-	-	20	38	46
Other	-	1	-	-	-	-
Unknown	5	8	2	1	1	1

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

**Table 2.20-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTIES:
1996 TO 2000**

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1996: June 30	2,509	1,873	285	109	242
1997: June 30	2,559	1,919	277	114	249
1998: June 30	2,600	1,974	287	112	227
1999: June 30	2,623	1,977	297	118	231
2000: June 30	2,691	2,029	311	116	235

Source: Hawaii State Department of Human Services, Services for the Blind Branch, records.

Table 2.21-- SELECTED CHRONIC CONDITIONS: 1998 AND 1999

[Provisional data. Based on a sample survey of 4,382 households with 12,923 persons in 1998, and based on a sample survey of 4,351 households with 12,677 persons in 1999]

Selected chronic conditions	Prevalence of condition		Conditions per 1,000 persons 1/	
	1998	1999	1998	1999
Diabetes	52,997	48,720	46	42
Hypertension	149,466	154,660	130	134
High blood cholesterol	144,026	152,812	125	133
Asthma	102,533	107,369	89	93
Arthritis	84,301	82,452	73	72

1/ Population base includes persons under 18 years, not usually subject to some of these conditions.

Source: Hawaii State Department of Health, Hawaii Health Survey, special tabulation.

Table 2.22-- SPECIFIED COMMUNICABLE DISEASES: 1995 TO 1999

[1999 data reported as of January 2001; earlier data not updated]

Disease	1995	1996	1997	1998	1999
Cases:					
AIDS	222	192	98	163	103
Campylobacteriosis	699	854	823	622	884
E. coli 0157:H7	17	8	11	19	15
Fish poisoning 1/	129	43	92	111	84
Giardiasis	182	229	162	123	117
Gonorrhea	565	501	507	469	463
Hansen's Disease 2/	19	15	26	19	22
Hepatitis A	166	120	148	54	24
Hepatitis B (Acute)	32	14	11	18	16
Influenza	255	129	3/ 1,051	4/ 1,290	5/ 985
Leptospirosis 6/	23	42	60	46	52
Malaria 7/	12	12	13	9	12
Measles (Rubeola) 7/	3	51	6	1	2
Meningitis, bacterial 8/	5	8	7	5	10
Mumps	14	31	27	9/ 26	10/ 16
Pertussis (whooping cough)	65	35	19	11/ 26	12/ 51
Pneumococcal disease	110	98	52	81	61
Rubella 7/	5	3	9	2	0
Salmonellosis	303	428	387	295	338
Shigellosis	102	87	65	51	35
Syphilis (Primary & Secondary)	-	4	1	1	3
Tuberculosis	193	200	167	181	184
Deaths: 13/					
AIDS	130	73	38	23	28
Hansen's Disease 3/	-	-	-	-	-
Hepatitis A	-	1	-	-	<5
Hepatitis B (Acute)	8	11	11	7	7
Influenza	<5	<5	<5	10	6
Pneumococcal disease	<5	<5	-	<5	<5
Salmonellosis	<5	<5	-	-	<5
Tuberculosis	6	5	10	<5	<5
Meningitis, bacterial	-	-	-	<5	-
Shigellosis	-	-	-	<5	-

Footnotes and source on next page.

Table 2.22--SPECIFIED COMMUNICABLE DISEASES: 1995 TO 1999 -- Cont.

- 1/ Scombroid, ciguatera and hallucinogenic fish poisoning.
- 2/ Excludes reinstated cases.
- 3/ Of the 1,051 reported cases, 252 cases were confirmed illnesses and 799 were influenza-like illnesses.
- 4/ Of the 1,290 reported cases, 205 cases were confirmed illnesses and 1,085 were influenza-like illnesses.
- 5/ Of the 985 reported cases, 311 cases were confirmed illnesses and 674 were influenza-like illnesses.
- 6/ Includes previously unreported cases.
- 7/ Acquired outside the State.
- 8/ Category changed from "meningitis, all types" to "meningitis, bacterial". Viral meningitis is no longer reported.
- 9/ Of the 26 cases, 7 were lab confirmed and 19 were clinically diagnosed.
- 10/ Of the 16 cases, 13 were lab confirmed and 3 were clinically diagnosed.
- 11/ Of the 26 cases, 20 were confirmed and 6 probable.
- 12/ Of the 51 cases, 23 were lab confirmed and 28 were clinically diagnosed.
- 13/ Resident data. For the years shown, no deaths were reported from campylobacteriosis, fish poisoning, giardiasis, gonorrhea, leptospirosis, malaria, measles (rubeola), mumps, pertussis, rubella, or syphilis. No data were available for deaths caused by E. coli 0157:H7.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Epidemiology Branch, and AIDS Surveillance Program, records.

Table 2.23-- STATE EXPENDITURES ON SUBSTANCE ABUSE: 1998

Subject	State spending (mil. dol.)	Spending related to substance abuse	
		Amount (mil. dol.)	Per capita (dollars)
Total State budget	5,100	...	...
Substance abuse	438	...	...
Affected programs	3,523	429	361
Justice	180	148	124
Education (elementary, secondary)	710	83	70
Health	308	78	66
Child and family assistance	174	49	41
Mental health, developmentally disabled	134	63	53
Public safety	4	1	1
State workforce	2,014	7	6
Regulation and compliance	0.09	0.09	0.1
Prevention, treatment, and research	9	9	7
Total 1/	438	438	368

1/ The national expenditure by states was \$81.3 billion, or \$299 per capita. The Hawaii per capita expenditure (\$368) ranked seventh among the 47 states providing data.

Source: National Center on Addiction and Substance Abuse, Columbia University, as reported in <http://starbulletin.com/2001/01/29/news/story3.html>.

**Table 2.24-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR
PERSONS 18 YEARS AND OLDER: 1996 TO 1999**

[Weighted percent of adults who reported the health risk behaviors or conditions]

Risk factor 1/	1996	1997	1998	1999
Seatbelt non-use	(NA)	12.8	(NA)	(NA)
Acute drinking 2/	(NA)	17.1	(NA)	14.0
Chronic drinking 3/	(NA)	5.0	(NA)	5.2
Drinking and driving	(NA)	2.4	(NA)	2.3
High cholesterol	(NA)	31.5	(NA)	27.6
Hypertension	(NA)	23.9	(NA)	22.7
Lack of exercise 4/	71.9	(NA)	69.7	66.7
Poor nutrition 5/	74.9	(NA)	72.5	(NA)
Diabetes	4.6	5.0	5.6	5.2
Current smokers 6/	22.2	18.7	19.5	18.5
Overweight 7/	23.9	26.6	27.8	28.8

NA Not available.

1/ Certain risk factor data are collected only on alternating years.

2/ Five or more alcoholic beverages on at least one occasion, in the past month.

3/ Sixty or more alcoholic beverages in the past month.

4/ No regular and sustained physical activity. Regular activity is any physical activity or pair of activities done for a total of 20 or more minutes three or more times per week during the past month, but less than 50 percent of functional capacity.

5/ Less than five fruits and vegetables a day.

6/ Listed as "cigarette smoking" in previous *Data Book* tables.

7/ Body mass index (BMI) greater than or equal to 27.3 for females; body mass index greater than or equal to 27.8 for males.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Behavioral Risk Factor Surveillance System (BRFSS) at <http://www.hawaii.gov/health/stats/surveys/brfss.html> and records.

Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED HOSPITALS AND CARE HOMES, BY TYPE OF FACILITY: 1994 TO 1999

Category and year	Hospitals				Care homes	
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
Number of facilities:						
1994 4/	73	23	41	29	489	12
1995 4/	74	23	42	29	499	12
1996 4/	71	23	42	26	523	12
1997	76	24	43	30	521	11
1998	76	24	45	28	530	12
1999	77	24	47	28	538	13
Number of licensed beds: 5/						
1994 4/	7,130	2,600	3,492	1,038	2,216	407
1995 4/	7,130	2,642	3,504	984	2,274	393
1996 4/	7,433	2,633	3,814	986	2,403	393
1997	7,611	2,654	3,827	1,130	2,410	349
1998	7,847	2,619	4,063	1,165	2,463	363
1999	7,681	2,616	4,000	1,065	2,509	365

1/ Institutions providing more than one kind of care are only counted once.

2/ Five beds or fewer.

3/ Six beds or more.

4/ Additional specialty care facilities were added to the survey.

5/ For hospitals only, number of beds licensed by the State Department of Health's Office of Health Care Assurance. "Number of beds" in the State of Hawaii Data Book 1996 and earlier referred to the number of beds with Certificate of Need approval. Certificate of Need approved beds included beds completed and beds being developed (not yet in service).

Source: Hawaii State Department of Health, State Health Planning and Development Agency, *Utilization of Inpatient Facilities by County 1994* (September 1995); State Health Planning and Development Agency, *Utilization of Inpatient Facilities by County 1995* (March 1997); State Health Planning and Development Agency, *Inpatient Facilities Utilization Report 1996 Data* (June 1997); State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1997 Data* (July 1998); State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1998 Data* (August 1999); State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1999 Data* (September 2000); and Office of Health Care Assurance, records.

Table 2.26-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN HOSPITALS: 1994 TO 1999

[Excludes Tripler Army Medical Center]

Type of facility and year	Admissions	Average daily census	Average length of stay (days)	Average daily percent occupancy
Acute care:				
1994	101,057	1,849	6.7	71.2
1995	101,001	1,802	6.5	68.2
1996	100,519	1,689	6.1	64.2
1997	100,353	1,715	6.2	64.5
1998	103,795	1,620	5.7	61.9
1999	100,105	1,641	6.0	62.7
Long-term care:				
1994	3,149	3,413	395	97.8
1995	3,577	3,308	335	94.4
1996	4,577	3,520	279	92.3
1997	5,098	3,472	247	90.7
1998	5,789	3,675	232	90.5
1999	5,866	3,721	232	93.0

Source: Hawaii State Department of Health, State Health Planning and Development Agency, *Utilization of Inpatient Facilities by County 1994* (September 1995); State Health Planning and Development Agency, *Utilization of Inpatient Facilities by County 1995* (March 1997); State Health Planning and Development Agency, *Inpatient Facilities Utilization Report 1996 Data* (June 1997); State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1997 Data* (July 1998); State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1998 Data* (August 1999); State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1999 Data* (September 2000); and records.

Table 2.27-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN HOSPITALS AND CARE HOMES, BY TYPE OF FACILITY, BY ISLANDS: DECEMBER 1999

[Facilities recognized by the Hawaii State Health Planning and Development Agency.
Excludes Tripler Army Medical Center]

Category and island	Hospitals			Care homes		
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
NUMBER OF FACILITIES						
State total	77	24	47	28	538	13
Oahu	53	11	29	21	448	11
Hawaii	10	6	9	1	55	-
Kauai	5	3	5	1	17	2
Maui	6	2	2	4	13	-
Molokai	2	1	1	1	5	-
Lanai	1	1	1	-	-	-
NUMBER OF LICENSED BEDS 4/						
State total	7,681	2,616	4,000	1,065	2,509	365
Oahu	5,549	2,050	2,523	976	2,117	308
Hawaii	939	250	689	-	240	-
Kauai	404	108	296	-	67	57
Maui	731	196	460	75	61	-
Molokai	44	8	22	14	24	-
Lanai	14	4	10	-	-	-

1/ Institutions providing more than one kind of care are counted only once. Total for number of licensed beds pertains only to hospitals. Care home beds are not licensed by the Department of Health.

2/ Five beds or fewer.

3/ More than five beds.

4/ For hospitals only, number of beds licensed by the State Department of Health's Office of Health Care Assurance. "Number of beds" in the *State of Hawaii Data Book 1996* and earlier referred to the number of beds with Certificate of Need approval. Certificate of Need approved beds included beds completed and beds being developed (not yet in service).

Source: Hawaii State Department of Health, State Health Planning and Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1999 Data* (September 2000) and the Office of Health Care Assurance, records.

Table 2.28-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN HOSPITALS, BY ISLANDS: 1999

[Excludes Tripler Army Medical Center]

Type of facility and island	Admissions	Average daily census	Average length of stay (days)	Average daily percent occupancy
ACUTE CARE				
State total	100,105	1,641	6.0	62.7
Oahu	72,898	1,306	6.5	63.7
Hawaii	12,110	135	4.1	54.0
Kauai	5,005	52	3.8	47.8
Maui	9,866	147	5.4	74.9
Molokai	182	1	2.1	12.9
Lanai	44	1	1.0	3.0
LONG-TERM CARE				
State total	5,866	3,721	232	93.0
Oahu	3,789	2,339	225	92.7
Hawaii	887	656	270	95.2
Kauai	605	278	168	94.1
Maui	434	424	356	92.1
Molokai	139	16	41	70.6
Lanai	12	8	233	76.6

Source: Hawaii State Department of Health, State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 1999 Data* (September 2000).

Table 2.29-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1990 TO 2000

[On July 1, 1993, the Adult Mental Health Division changed the criteria by which eligibility for service was determined and focused on a priority population of "seriously and persistently mentally ill adults". Prior to that, the division served any person with any mental illness seeking service]

Facilities and year	Persons active, Dec. 31	Admissions	Discharges	Persons served
Hawaii State Hospital:				
1990 1/	193	738	765	958
1991 1/	159	311	345	504
1992	198	394	355	553
1993	195	446	449	644
1994	199	275	271	470
1995 2/	172	107	123	295
1996	164	102	110	274
1997	163	100	101	264
1998 3/	164	141	139	283
1999	144	123	146	272
2000	164	154	141	283
State-supported outpatient community mental health centers:				
1990	2,505	1,764	1,628	4,133
1991	3,037	2,494	1,962	4,999
1992	3,509	2,182	1,710	5,219
1993	3,410	2,004	2,103	5,513
1994	3,246	1,692	1,856	5,102
1995	2,798	804	866	3,664
1996	2,867	818	749	3,616
1997	3,024	804	647	3,671
1998 3/	3,232	816	794	3,958
1999	3,168	1,281	951	4,009
2000	3,039	1,062	1,185	3,985

1/ Figures include children and adolescents who were part of Hawaii State Hospital up until the end of June 1991.

2/ Prior to 1995, a patient's administrative leave for treatment at a facility outside Hawaii State Hospital was counted as a discharge when the patient left, then counted as an admission when the patient returned to the Hawaii State Hospital. From 1995, this type of patient leave was handled as an internal transfer.

3/ Revised.

Source: Hawaii State Department of Health, Adult Mental Health Division, records.

**Table 2.30-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:
1996 TO 2000**

Year	Number of beds, June 30 1/	Admissions 2/		Patients in hospital 4/	
		Total	First 3/	Average 2/	June 30
1996	202	89	87	170	167
1997	202	101	100	164	168
1998	202	113	106	164	163
1999	202	132	115	164	162
2000	168	137	117	151	149

1/ Number of licensed beds. The number of beds available for use, however, is dependent upon the staff/patient ratio.

2/ Year ended June 30.

3/ Admissions in which a person has entered the facility for the first time during the fiscal year that data are being collected for.

4/ Includes patients on leave and absent without leave. In 2000, about .2% of the patients were on leave or absent without leave.

Source: Hawaii State Hospital, records.

Table 2.31-- HANSEN'S DISEASE PATIENTS REGISTERED: 1995 TO 1999

Subject	1995	1996	1997	1998	1999
Patients on register, Dec. 31	390	365	357	346	320
Department of Health's Hansen's Disease					
Community Program 1/	320	301	297	293	270
Kalaupapa	68	64	60	53	50
Hale Mohalu at Leahi	2	-	-	-	-
New cases	19	15	26	19	22
Deaths	15	11	6	13	6

1/ Previously categorized as "at home". Patients are registered to this community program, but reside at home.

Source: Hawaii State Department of Health, Hansen's Disease Community Program, records.

**Table 2.32-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS
LICENSED IN HAWAII, BY PLACE OF ADDRESS: JULY 14, 2000**

[Excludes inactive licenses]

Place of address	Physicians and surgeons 1/	Dentists	Registered nurses	Pharmacists
Total licensed	5,481	1,326	11,899	1,370
Hawaii addresses	3,044	999	9,501	794
Hawaii	278	95	1,004	76
Maui	233	70	853	63
Lanai	2	-	11	-
Molokai	6	3	35	2
Oahu	2,414	791	7,191	616
Kauai	111	40	407	39
Mainland U.S.	2,384	313	2,239	569
Foreign	53	14	159	7

1/ Permanent licenses only. Does not include interns, residents, or physicians who provided State government services only.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Licensing Branch, records.

**Table 2.33-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
WITH PAYROLL, BY KIND OF BUSINESS OR OPERATION: 1997**

[Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in earlier Economic Censuses. Therefore, comparability between the 1992 and the 1997 data may be limited]

NAICS code	Kind of business or operation	Establishments (number)	Receipts/revenues (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms subject to federal income tax				
62	Health care and social assistance	2,360	1,646,255	730,786	18,221
621	Ambulatory health care services 1/	2,249	1,356,713	586,581	13,828
6211	Offices of physicians	1,076	731,276	359,150	6,125
6212	Offices of dentists	657	267,597	101,463	3,266
6213	Offices of other health practitioners	380	96,062	31,945	1,359
6214	Outpatient care centers	47	58,253	22,090	501
6215	Medical and diagnostic laboratories	42	139,451	45,210	1,264
6216	Home health care services	31	30,749	13,304	924
6219	Other ambulatory health care services	16	33,325	13,419	389
622	Hospitals	1	(D)	(D)	(g)
623	Nursing and residential care facilities	37	118,739	53,915	2,121
6231	Nursing care facilities	21	113,137	51,993	2,001
6232	Residential mental retardation/health and substance abuse facility	7	(D)	(D)	(b)
6233	Community care facilities for the elderly	8	3,087	1,047	79
6239	Other residential care facilities	1	(D)	(D)	(a)
624	Social assistance	73	(D)	(D)	(f)
6241	Individual and family services	23	(D)	(D)	(c)
6242	Community food and housing/emergency and other relief services	2	(D)	(D)	(a)
6243	Vocational rehabilitation services	13	13,465	6,546	251
6244	Child day care services	35	(D)	(D)	(c)
	Firms exempt from federal income tax				
62	Health care and social assistance	581	2,329,058	886,904	29,344
621	Ambulatory health care services 1/	73	477,944	113,921	3,172
6214	Outpatient care centers	56	433,619	93,420	2,318

Continued on next page.

Table 2.33-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS WITH PAYROLL, BY KIND OF BUSINESS OR OPERATION: 1997--Con.

NAICS code	Kind of business or operation	Establishments (number)	Receipts/Revenues (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms exempt from federal income tax (cont.)				
6216	Home health care services	13	33,353	15,892	703
6219	Other ambulatory health care services	4	10,972	4,609	151
622	Hospitals	28	1,527,862	624,708	17,876
6221	General medical and surgical hospitals	21	1,259,785	509,759	14,515
6222	Psychiatric and substance abuse hospitals	3	62,694	36,738	1,053
6223	Specialty (except psychiatric and substance abuse) hospitals	4	205,383	78,211	2,308
623	Nursing and residential care facilities	42	84,959	38,336	1,884
6231	Nursing care facilities	6	44,051	19,475	816
6232	Residential mental retardation/health and substance abuse facility	21	22,439	10,518	613
6233	Community care facilities for the elderly	4	11,448	5,127	264
6239	Other residential care facilities	11	7,021	3,216	191
624	Social assistance	438	238,293	109,939	6,412
6241	Individual and family services	226	138,787	68,864	3,622
6242	Community food and housing/emergency and other relief services	56	36,331	11,303	651
6243	Vocational rehabilitation services	18	18,219	8,382	567
6244	Child day care services	138	44,956	21,390	1,572

D Withheld to avoid disclosing data of individual companies.

a 0 to 19 employees.

b 20 to 99 employees.

c 100 to 249 employees.

f 500 to 999 employees.

g 1,000 to 2,499 employees.

1/ The ambulatory health care services subsector includes industries that provide health care services directly or indirectly to ambulatory patients and do not usually provide inpatient services. Health practitioners provide outpatient services, with the facilities and equipment not usually being the most significant part of the production process.

Source: U.S. Census Bureau, *1997 Economic Census, Health Care and Social Assistance, Geographic Area Series, Hawaii*, EC97S62A-HI (June 1999), table 1a and 1b.

**Table 2.34-- HEALTH CARE AND SOCIAL ASSISTANCE ESTABLISHMENTS
WITH PAYROLL AND SUBJECT TO FEDERAL INCOME TAX, FOR
COUNTIES AND SELECTED URBAN PLACES: 1997**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
State total	2,360	1,646,255	730,786	18,221
Hawaii County	321	224,838	76,168	2,441
Hilo	180	155,372	53,922	1,643
Kailua	48	20,531	8,061	323
Honolulu County	1,730	1,231,679	563,133	13,474
Aiea	63	32,176	12,175	324
Ewa Beach	18	8,586	3,823	91
Honolulu	1,194	925,469	427,398	9,866
Kailua	108	44,072	20,820	526
Kaneohe	63	37,576	16,272	587
Laie	3	987	356	8
Maunawili	6	3,289	1,449	29
Mililani Town	25	15,627	7,193	169
Pearl City	29	26,382	9,086	296
Wahiawa	35	20,900	8,593	253
Waianae	10	4,600	1,810	67
Waimalu	66	49,106	25,257	463
Waipahu	53	22,729	10,152	239
Waipio	5	1,425	597	18
Kauai County	79	51,361	27,610	745
Kalaheo	4	2,202	813	23
Kapaa	13	4,199	1,917	75
Lihue	42	36,828	20,221	478
Maui County	230	138,377	63,875	1,561
Haiku-Pauwela	4	515	325	3
Kahului	60	29,376	12,446	355
Kaunakakai	5	1,220	329	36
Kihei	23	9,386	3,327	132
Lahaina	17	8,516	4,949	106
Makawao	9	1,704	595	30
Pukalani	9	3,552	1,127	50
Wailea-Makena	3	686	345	3
Wailuku	82	77,680	38,055	735

Source: U.S. Census Bureau, *1997 Economic Census, Health Care and Social Assistance, Geographic Area Series*, EC97S62A-HI (June 1999), table 1a, 3, and 4.

Table 2.35-- MARRIAGES AND DIVORCES: 1980 TO 1999

[Place of occurrence basis]

Calendar year	Marriages		Divorces and annulments 2/	Rates per 1,000 resident population 3/		Percent of marriages	
	Total	Resident 1/		Resident marriages	Divorces, annulments 2/	Nonresident 4/	Inter-racial 5/
1980	11,856	9,442	4,438	9.7	4.6	20.4	44.4
1981	12,218	9,445	4,253	9.7	4.3	22.7	44.5
1982	13,483	10,053	4,233	10.1	4.3	25.4	45.0
1983	14,062	10,216	4,583	10.1	4.5	27.3	45.5
1984	14,982	10,020	4,769	9.7	4.6	33.3	46.3
1985	15,421	9,893	4,887	9.5	4.7	35.8	46.9
1986	16,219	9,571	4,674	9.1	4.4	30.4	46.5
1987	16,567	9,714	4,419	9.1	4.1	41.3	44.6
1988	17,281	9,708	5,020	9.0	4.6	43.8	42.9
1989	17,974	9,952	5,613	9.1	5.1	44.6	44.3
1990	18,306	10,407	5,179	9.4	4.7	43.1	45.9
1991	17,764	10,051	5,184	8.9	4.6	43.4	43.9
1992	17,725	10,049	5,040	8.7	4.4	43.3	44.3
1993	17,252	9,744	4,888	8.4	4.2	43.5	44.1
1994	18,118	9,317	4,993	7.9	4.3	48.6	44.5
1995	18,669	9,277	5,505	7.9	4.7	50.3	45.0
1996	19,589	9,003	4,903	7.6	4.1	54.0	45.6
1997	19,901	8,878	4,877	7.5	4.1	55.5	44.8
1998	20,974	6/ 8,746	4,914	7/ 7.3	4.1	58.3	46.3
1999	23,067	9,222	4,620	7.8	3.9	60.0	44.2

1/ One or both partners residents of Hawaii.

2/ Final decrees only.

3/ Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 29, 1999.

4/ Both partners nonresidents of Hawaii.

5/ Excludes nonresident marriages. Also, for these calculations, marriages where both bride and groom are in the "Part Hawaiian" or "Other races" categories are classified as non-interracial.

6/ Revised.

7/ Change due to revision in the population estimate.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and records; Rates calculated by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 2.36-- MARRIAGE AND DIVORCE RATES BASED ON RISK
POPULATION: 1910 TO 1990**

Census year	Females 15 years old and over 1/		Marriages 2/		Divorces 2/	
	Unmarried 3/	Married 4/	Number	Rate 5/	Number	Rate 6/
1910	9,667	31,380	2,112	218	210	7
1920	14,616	45,550	2,070	142	548	12
1930	26,059	53,948	2,504	96	546	10
1940	51,669	66,569	4,659	90	906	14
1950	58,995	94,520	5,446	92	1,112	12
1960	65,156	128,528	5,098	78	1,324	10
1970	98,016	166,596	7,312	75	2,452	15
1980	150,166	210,085	9,148	61	4,144	20
1990	183,984	244,799	10,180	55	5,396	22

1/ Females 14 years old and over for 1940-1970.

2/ Annual averages for two-year periods centering on each census date. Place of occurrence basis.

Marriage data for 1969-1970 and later years exclude nonresident marriages.

3/ Single, widowed or divorced.

4/ Includes separated persons.

5/ Per 1,000 unmarried females 15 (or 14) years old and over.

6/ Per 1,000 married females 15 (or 14) years old and over.

Source: Robert C. Schmitt, *Demographic Statistics of Hawaii: 1778-1965* (University of Hawaii Press, 1968), pp. 214-215 and underlying data; *U.S. Census of Population: 1970*, Final Report PC (1)-B13, table 22; *U.S. Census of Population: 1980*, PC80-1-B13, table 21; Hawaii State Data Center, 1990 census tapes; Hawaii State Department of Health, *Annual Report, Statistical Supplement* for 1969, 1970, 1979, 1980, and records.

**Table 2.37-- CHARACTERISTICS OF MARRIAGES AND DIVORCES:
1996 TO 1999**

[Place of occurrence basis]

Subject	1996	1997	1998	1999
MARRIAGES				
Number	19,589	19,901	20,974	23,067
Percent on Oahu	49.0	46.5	45.7	44.4
Percent Hawaii residents:				
Both bride and groom	42.4	41.3	38.2	36.7
One partner only	3.5	3.2	3.5	3.2
Neither bride nor groom	54.0	55.5	58.3	60.0
Median age (years):				
Groom	32	32	33	33
Bride	30	30	30	30
Percent previously married:				
Groom	38.8	39.1	38.8	39.0
Bride	38.8	39.8	39.5	39.6
DIVORCES AND ANNULMENTS				
Number	4,903	4,877	1/ 4,919	4,620
Divorces	4,883	4,858	1/ 4,899	4,611
Annulments	20	17	17	5
Not reported	-	2	3	4
Percent occurring on Oahu	73.9	74.3	73.9	72.7
Percent Hawaii residents:				
Both partners	76.0	75.7	74.3	74.7
One partner only	23.0	23.4	24.4	23.6
Neither partner	<0.1	0.1	<0.1	<0.1
Not reported 2/	0.9	0.8	1.3	1.7
Median age (years):				
Husband	37	37	37	38
Wife	35	34	35	36
Percent interracial 3/	41.5	43.2	1/ 42.4	43.7
Percent with children under 18 years	50.9	50.1	49.5	51.8
Median years married	6.8	6.7	6.8	7.2

1/ Revised.

2/ Couples where the residence of one or more partners is unknown.

3/ For these calculations, divorces where both bride and groom are in the "Part Hawaiian" or "Other races" categories are classified as non-interracial.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and records.

Table 2.38-- MARRIAGES OCCURRING IN HAWAII, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 1999

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents	Residence unknown
All marriages	23,067	9,222	13,845	-
Race of partners:				
Both partners same race 1/	17,085	5,063	12,022	-
Different	5,982	4,159	1,823	-
Percent different	25.9	45.1	13.2	(X)
Type of ceremony:				
Civil ceremony	3,150	2,535	615	-
Religious ceremony	19,916	6,687	13,229	-
Unknown	1	-	1	-

X Not applicable.

1/ Includes marriages with both partners of unknown race.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

Table 2.39-- MARITAL DISSOLUTION: 1980 TO 1999

[Based on resident population]

Subject	1980	1990	1998 1/	1999	Percent	
					1980	1990
Married couples	185,698	210,468	(NA)	(NA)	100.0	100.0
Marriages ended	6,782	8,292	8,501	8,370	3.7	3.9
By divorce 2/	4,438	5,172	4,918	4,618	2.4	2.5
By death	2,344	3,120	3,583	3,752	1.3	1.5
Husbands	1,678	2,234	2,571	2,736	0.9	1.1
Wives	666	886	1,012	1,016	0.4	0.4

NA Not applicable.

1/ Revised.

2/ Includes divorces where only one partner is a resident of Hawaii.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and records; U.S. Bureau of the Census, *1980 Census of Population*, PC80-1-B13, table 21, and *1990 Census of Population*, 1990 CP-1-13, table 30.

Section 3

EDUCATION

This section presents statistics on enrollment in public and private schools, colleges and universities; students graduated and degrees awarded; the highest grade of school completed; achievement test results; school facilities, personnel, and expenditures; and libraries.

The principal sources of data on education are the U.S. Census Bureau, Hawaii State Department of Education, University of Hawaii, and private universities and colleges. *Historical Statistics of Hawaii*, Section 9, contains Island data back to 1820. Section 4 of the *Statistical Abstract of the United States: 2000* presents comparable information for the nation as a whole.

**Table 3.01-- SCHOOL ENROLLMENT, BY TYPE OF SCHOOL AND AGE, BY
GEOGRAPHIC AREAS: 1990**

Subject	State total	Oahu	Other islands
TYPE OF SCHOOL			
Persons 3 years and over enrolled	290,578	221,821	68,757
Preprimary school	21,276	15,977	5,299
Public school	10,739	7,839	2,900
Elementary or high school	186,653	135,478	51,175
Public school	157,102	110,708	46,394
College	82,649	70,366	12,283
Public college	66,131	55,366	10,765
AGE			
Persons 3 years and over enrolled	290,578	221,821	68,757
3 and 4 years	11,695	8,797	2,898
5 to 14 years	148,259	106,913	41,346
15 to 17 years	39,058	28,670	10,388
18 and 19 years	16,589	13,458	3,131
20 to 24 years	24,866	22,136	2,730
25 to 34 years	24,369	21,200	3,169
35 years and over	25,742	20,647	5,095
Percent enrolled in school:			
3 and 4 years	35.7	36.2	34.3
5 to 14 years	94.5	94.5	94.5
15 to 17 years	94.4	94.8	93.4
18 and 19 years	55.9	56.6	53.0
20 to 24 years	28.1	30.0	18.5
25 to 34 years	12.0	13.4	7.1
35 years and over	5.1	5.5	3.9

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 36.

Table 3.02-- EDUCATIONAL ATTAINMENT, BY GEOGRAPHIC AREA: 1990

Age and educational attainment	State total	Oahu	Other islands
Persons 18 to 24 years	118,184	97,548	20,636
High school graduate (includes equivalency)	51,928	42,531	9,397
Some college or associate degree	44,870	38,035	6,835
Bachelor's degree or higher	6,349	5,600	749
Persons 25 years and over	709,820	534,187	175,633
Less than 5th grade	24,642	18,003	6,639
5th to 8th grade	47,164	32,128	15,036
9th to 12th grade, no diploma	69,700	50,222	19,478
High school graduate (includes equivalency)	203,893	151,930	51,963
Some college, no degree	142,881	107,988	34,893
Associate degree, occupational program	34,376	24,598	9,778
Associate degree, academic program	24,740	18,149	6,591
Bachelor's degree	111,837	89,197	22,640
Master's degree	32,282	26,880	5,402
Professional school degree	12,818	10,359	2,459
Doctorate degree	5,487	4,733	754
Percent:			
Less than 5th grade	3.5	3.4	3.8
High school graduate or higher	80.1	81.2	76.6
Male	81.7	83.3	76.9
Female	78.4	79.2	76.2
Some college or higher	51.3	52.8	47.0
Bachelor's degree or higher	22.9	24.6	17.8
Male	24.4	26.4	18.4
Female	21.4	22.7	17.1

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 36.

Table 3.03-- YEARS OF SCHOOL COMPLETED BY PERSONS 25 YEARS OLD AND OVER: 1940 TO 1990

Years completed	1940	1950	1960	1970	1980	1990
Percent 4 years of high school or more 1/	20.5	31.6	46.1	61.9	73.8	80.1
Percent 4 years of college or more 2/	5.3	6.1	9.0	14.0	20.3	22.9

1/ For 1990, percent high school graduate or higher.

2/ For 1990, percent Bachelor's degree or higher.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, Final Report PC(1)-13C, table 47; *U.S. Census of Population: 1970*, Final Report PC(1)-C13, table 46; *1980 Census of Population*, PC80-1-C-13, table 61; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13, table 1.

Table 3.04-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, BY COUNTIES: 1990

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 25 years and over	709,820	77,099	534,187	130	33,045	65,359
Percent --						
High school graduate or higher	80.1	77.7	81.2	51.5	73.1	77.0
With bachelor's degree or higher	22.9	18.5	24.6	4.6	16.3	17.8

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Summary Social, Economic, and Housing Characteristics, Hawaii* (April 1992), table 4.

Table 3.05-- YEARS OF SCHOOL COMPLETED BY PERSONS 25 YEARS OLD AND OVER, FOR THE UNITED STATES AND HAWAII: MARCH 1999

[Noninstitutional population]

Geographic area	Population 25 years and over (1,000)	High school graduate or more		Bachelor's degree or more	
		Percent	1.6* (s.e.) 1/	Percent	1.6*(s.e.) 1/
United States	173,754	83.4	(NA)	25.2	(NA)
Hawaii	760	88.0	2.0	26.2	2.6
Rank 2/	41	13	...	17	...

NA Not available

1/ The value of 1.645 times the standard error, added to and subtracted from the estimated percentage, yields the 90-percent confidence level.

2/ Among the 50 states.

Source: U.S. Bureau of the Census, *Educational Attainment in the United States: March 1999*, Detailed Tables, from website <http://www.census.gov/>.

Table 3.06-- YEARS OF SCHOOL COMPLETED BY PERSONS 25 YEARS OLD AND OVER, FOR THE UNITED STATES AND HAWAII: MARCH 2000

[Noninstitutional population]

Geographic area	Population 25 years and over (1,000)	High school graduate or more		Bachelor's degree or more	
		Percent	1.6* (s.e.) 1/	Percent	1.6*(s.e.) 1/
United States	175,230	84.1	(NA)	25.6	(NA)
Hawaii	759	87.4	2.0	26.3	2.7
Rank 2/	41	17	...	19	...

NA Not available

1/ The value of 1.6 times the standard error, added to and subtracted from the estimated percentage, yields the 90-percent confidence level.

2/ Among the 50 states.

Source: U.S. Bureau of the Census, *Educational Attainment in the United States: March 2000*, Detailed Tables, from website <http://www.census.gov/>.

**Table 3.07-- PRIVATE EDUCATIONAL SERVICES (NAICS 61),
BY TYPE OF SERVICE: 1997**

NAICS code	Type of service	Establishment (number)	Receipts/ Revenue (\$1,000)	Employees, week including March 12	Annual payroll (\$1,000)
611	Educational services	277	75,686	1,610	26,096
6114	Business schools, & computer & management training	27	8,687	189	4,686
6115	Technical & trade schools	29	13,582	184	3,790
6116	Other schools & instruction	203	44,194	1,140	14,787
6117	Educational support services	18	9,223	97	2,833

Source: U.S. Bureau of the Census, *1997 Economic Census, Educational Services, Geographic Area Series EC97S61A-HI* (August 1999), p. 7.

**Table 3.08-- PRIVATE EDUCATIONAL SERVICES (NAICS 61),
BY TYPE OF SERVICE: 1998**

NAICS code	Type of service	No. of establishments		Employees, week including March 12	Annual payroll (\$1,000)
		Total	20 or more employees		
611	Educational services	408	72	11,909	295,338
6114	Business schools, & computer & management training	27	-	90	2,941
6115	Technical & trade schools	26	-	181	4,259
6116	Other schools & instruction	204	12	1,079	14,230
6117	Educational support services	18	1	115	4,232

Source: U.S. Bureau of the Census, *County Business Patterns 1998, Hawaii*, CBP/98-13 (July 2000), p. 20-21.

**Table 3.09-- PRIVATE EDUCATIONAL SERVICES (NAICS 61),
BY TYPE OF SERVICE: 1999**

NAICS code	Type of service	No. of establishments		Employees, week including March 12	Annual payroll (\$1,000)
		Total	20 or more employees		
611	Educational services	430	73	12,248	310,310
6114	Business schools, & computer & management training	31	2	136	3,244
6115	Technical & trade schools	28	-	165	4,318
6116	Other schools & instruction	216	7	1,037	14,847
6117	Educational support services	18	1	120	4,400

Source: U.S. Bureau of the Census, *County Business Patterns 1999, Hawaii*, CBP/99-13 (April 2001), p. 20-21.

**Table 3.10-- PUBLIC AND PRIVATE SCHOOL ENROLLMENT, BY GRADES:
1997 TO 1999**

Grade	September 1997			September 1998			September 1999		
	Total	Public 1/	Private	Total	Public 1/	Private	Total	Public 1/	Private 3/
All grades	226,610	189,887	36,723	224,771	188,069	36,702	222,086	185,860	36,226
Nursery	4,763	606	4,157	5,018	674	4,344	3,988	824	3,164
Kindergarten	17,466	14,915	2,551	16,806	14,481	2,325	15,555	14,055	1,500
1	17,818	15,617	2,201	17,060	14,904	2,156	15,535	14,227	1,308
2	17,839	15,642	2,197	17,016	14,954	2,062	15,382	14,149	1,233
3	16,522	14,489	2,033	16,904	14,863	2,041	15,457	14,184	1,273
4	15,820	13,813	2,007	15,750	13,730	2,020	15,455	14,152	1,303
5	15,323	13,376	1,947	15,170	13,202	1,968	14,493	13,184	1,309
6	15,137	12,908	2,229	14,833	12,674	2,159	14,073	12,591	1,482
7	15,134	12,227	2,907	14,830	11,934	2,896	13,783	11,937	1,846
8	15,272	12,345	2,927	14,476	11,601	2,875	13,199	11,354	1,845
9	17,579	14,742	2,837	16,999	14,103	2,896	15,345	13,317	2,028
10	15,507	12,660	2,847	15,106	12,374	2,732	13,833	11,804	2,029
11	14,115	11,527	2,588	14,297	11,531	2,766	13,047	11,115	1,932
12	11,928	9,459	2,469	12,126	9,523	2,603	11,674	9,698	1,976
Specials 2/	16,387	15,561	826	18,380	17,521	859	19,812	19,269	543

NA Not available.

1/ Data exclude UH Lab School (not available in 1995).

2/ Public school data include ungraded students in special schools.

3/ 1999 data for Hawaii Catholic Schools are included in the total but not reflected in the individual grade

Source: Hawaii Council of Private Schools, *Private School Enrollment Report* (annual), Hawaii State Department of Education, records.

**Table 3.11-- PUBLIC SCHOOL ENROLLMENT BY GRADES, BY COUNTIES:
SEPTEMBER 1999**

Grade	State total 1/	Hawaii	Maui	Honolulu 1/	Kauai
All grades	185,860	27,675	21,655	125,579	10,860
Nursery	824	118	85	569	39
Kindergarten	14,055	1,793	1,494	10,019	749
1	14,227	1,865	1,579	9,992	791
2	14,149	1,959	1,524	9,940	725
3	14,184	2,027	1,519	9,829	809
4	14,152	2,013	1,555	9,830	754
5	13,184	1,876	1,487	9,101	720
6	12,591	1,838	1,360	8,637	756
7	11,937	1,781	1,349	8,073	734
8	11,354	1,823	1,385	7,472	674
9	13,317	2,219	1,561	8,825	710
10	11,804	1,915	1,458	7,751	680
11	11,115	1,884	1,372	7,156	703
12	9,698	1,653	1,185	6,247	613
Specials 2/	19,269	2,911	2,742	12,138	1,403

1/ Data exclude UH Lab School.

2/ Includes ungraded students in special schools.

Source: Hawaii State Department of Education, records and <http://www.k12.hi.us/public/stats/EN98a.NSF>

Table 3.12-- HAWAII STATE HIGH SCHOOL GRADUATES BY PUBLIC AND PRIVATE HIGH SCHOOL: 1982 TO 2000

June Graduates	Total	Public	Private
1982	13,999	11,563	2,436
1983	13,301	10,757	2,544
1984	13,041	10,454	2,587
1985	12,575	10,092	2,483
1986	12,511	9,958	2,553
1987	13,146	10,491	2,655
1988	13,449	10,751	2,698
1989	13,094	10,551	2,543
1990	12,278	9,848	2,430
1991	11,877	9,482	2,395
1992	12,015	9,615	2,400
1993	11,675	9,320	2,355
1994	12,353	9,870	2,483
1995	12,434	9,984	2,450
1996	12,482	9,995	2,487
1997	12,312	9,784	2,528
1998	12,915	10,369	2,546
1999	13,017	10,425	2,592
2000	13,379	10,671	2,708

Source: University of Hawaii, Institutional Research Office, records.

Table 3.13-- PRIVATE SCHOOLS, TEACHERS, AND ENROLLMENT, 1993-1994 TO 1997-1998, AND PRIVATE HIGH SCHOOL GRADUATES, 1991-1992 TO 1996-1997

[Data limited to schools that offer first grade or above. Teacher count is FTE]

School year	Number of schools	Enrollment	FTE teachers	High school graduates	
				Year	Number
1993-94	121	30,537	2,144	1991-92	1,886
1995-96	127	34,541	2,532	1994-95	2,603
1997-98	126	33,300	2,658	1996-97	2,618

Source: National Center for Education Statistics, Private School Universe Survey, 1993-94, NCES 96-143 (May 15,1996), Private School Universe Survey, 1995-96, NCES 98-229 (March 25,1998), Private School Universe Survey, 1997-98, NCES 1999-319 (August 31,1999).

**Table 3.14-- SCHOLASTIC ASSESSMENT TEST SCORE AVERAGES:
1999 AND 2000**

[Recalibrated averages, not directly comparable to earlier data reported in *Data Book 1995*, table 3.17. Formerly known as the Scholastic Aptitude Test]

Component	Hawaii seniors		U.S. averages	
	1999	2000	1999	2000
Mathematical	513	519	511	514
Verbal	482	488	505	505

Source: *Honolulu Star Bulletin*, August 29, 2000.

**Table 3.15-- STANFORD ACHIEVEMENT TEST RESULTS FOR PUBLIC
SCHOOL GRADES 3, 5, 8, AND 10: SPRING 2000**

[Percent of students taking test. The 2000 test differed in several respects from the 1999 test reported in the *Databook 1999*, table 3.12]

Subject and level	U.S. Average	Hawaii results , by grade 1/			
		Grade 3	Grade 5	Grade 8	Grade 10
Reading:					
Low	23	18	21	26	26
Average	54	61	56	52	52
High	23	22	23	21	21
Math:					
Low	23	18	18	20	20
Average	54	55	49	61	61
High	23	27	32	19	19

Note: Some numbers may not add up to 100 because of rounding.

1/ In spring 1999 students in Grades 3, 5, 7, and 9 were tested compared with Grades 3, 5, 8, and 10.

Source: *Honolulu Star-Bulletin*, October 5, 2000 and *The Honolulu Advertiser*, October 6, 2000.

Table 3.16-- HEADCOUNT ENROLLMENT AT THE UNIVERSITY OF HAWAII, BY CAMPUS: FALL 1990 TO 2000

[Fall headcount of credit students]

Year	Total, all campuses	University of Hawaii at Manoa				Univ. of Hawaii at Hilo 2/	Univ. of Hawaii- West Oahu	
		Total	Classified		Unclassi- fied 1/			
			Under- graduates	Gradu- ates				
1990	45,870	18,874	12,073	4,809	1,992	2,564	652	
1991	47,668	19,383	12,530	5,005	1,848	2,681	667	
1992	49,851	19,865	12,838	5,207	1,820	2,966	692	
1993	50,647	20,090	12,991	5,343	1,756	3,174	676	
1994	51,677	20,041	12,903	5,518	1,620	2,987	744	
1995	50,242	19,801	13,050	5,220	1,531	2,872	716	
1996	47,379	18,252	12,216	4,789	1,247	2,800	648	
1997	45,551	17,365	11,782	4,514	1,069	2,639	648	
1998	45,337	17,013	11,500	4,508	1,005	2,730	685	
1999	46,479	17,612	11,458	4,741	1,413	2,790	687	
2000	44,579	17,263	11,151	4,567	1,545	2,874	665	
	Community Colleges 3/							
Year	Total	Honolulu	Kapiolani	Leeward	Windward	Hawaii	Kauai	Maui
1990	23,780	4,383	6,292	5,812	1,627	1,896	1,424	2,346
1991	24,937	4,466	6,550	6,351	1,616	1,857	1,507	2,590
1992	26,328	4,774	7,132	6,135	1,787	2,207	1,580	2,713
1993	26,707	4,741	7,375	6,473	1,642	2,415	1,464	2,597
1994	27,905	4,824	7,648	6,507	1,767	2,815	1,518	2,826
1995	26,853	4,445	7,329	6,368	1,674	2,811	1,461	2,765
1996	25,679	4,090	7,373	6,014	1,518	2,463	1,367	2,854
1997	24,899	3,970	7,189	5,936	1,513	2,221	1,283	2,787
1998	24,909	4,124	7,236	5,765	1,491	2,308	1,136	2,849
1999	25,390	4,769	7,254	5,570	1,514	2,279	1,142	2,862
2000	23,777	4,487	6,760	5,259	1,451	2,090	1,052	2,678

Note: Includes Special students (early admits and concurrent registrants) for all years shown.

1/ Unclassified at UH Manoa also includes no data on educational level.

2/ Excludes Hawaii Community College, which until Fall 1991 was organizationally part of UH Hilo.

3/ Data for all years include Hawaii Community College.

Source: University of Hawaii, Institutional Research Office; May 16, 2001.

**Table 3.17-- DEGREES, DIPLOMAS, AND CERTIFICATES AWARDED BY
THE UNIVERSITY OF HAWAII: 1990 TO 2000**

Year ended June 30	University of Hawaii at Manoa					
	Asso- ciate's	Bache- lor's	Master's	Doc- torate	First profes- sional 1/	Other 2/
1990	87	2,431	804	114	113	235
1991	78	2,362	835	143	118	217
1992	41	2,410	932	140	116	211
1993	-	2,527	1,088	147	115	250
1994	-	2,537	1,018	166	133	314
1995	-	2,603	1,070	155	121	331
1996	-	2,782	1,053	186	122	285
1997	-	2,659	1,168	175	129	164
1998	-	2,528	932	161	128	81
1999	-	2,481	1,041	160	127	54
2000 3/	-	2,508	1,040	152	129	112
Year ended June 30	University of Hawaii at Hilo 4/			Univ. of Hawaii- West Oahu: Bachelor's	Community Colleges 4/	
	Certifi- cates 5/	Bachelor's degree	Certifi- cates 6/		Asso- ciate's degree	No data
1990	29	203	126	274	1,919	20
1991	44	210	149	285	1,950	-
1992 7/	47	222	135	255	2,053	42
1993	62	280	190	316	2,135	22
1994	64	311	161	347	2,022	17
1995	73	367	186	516	2,107	1
1996	82	414	199	422	2,201	-
1997 7/	45	421	199	369	2,301	6
1998 7/	46	411	147	396	2,308	6
1999	31	419	189	371	2,244	11
2000	36	411	196	348	2,302	3

1/ Includes Doctor of Jurisprudence (J.D.) and Doctor of Medicine (M.D.). Effective 2000, also includes Doctor of Architecture (ArchD).

2/ Certificates in Dental Hygiene and professional diplomas.

3/ For the year 2000 the University of Hawaii at Manoa list 1 "no data".

4/ Due to Hawaii CC's organizational transfer from the UH Hilo unit to the community college unit in Fall 1991, the community college figures have been retroactively adjusted to include Hawaii CC and the UH Hilo figures adjusted to exclude Hawaii CC.

5/ Professional Certificates in Education.

6/ Certificates of Achievement.

7/ Revised.

Source: University of Hawaii, Institutional Research Office, records.

**Table 3.18-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES,
AND FACULTY AND STAFF: 1998 TO 2000**

Subject	1998 1/	1999 1/	2000
Curricula offered at Manoa Campus,	282	285	288
Bachelor's degree programs	90	88	87
Master's degree programs	87	88	89
Doctoral programs	56	58	57
Other programs 2/	49	51	55
Tuition per semester (full-time undergraduate, regular session) (dollars): 3/			
Manoa Campus: Resident	1,464	1,512	1,512
Nonresident	4,704	4,752	4,752
Hilo (upper division): Resident	1,104	1,140	1,140
Nonresident	3,888	3,924	3,924
West Oahu: Resident	912	948	948
Nonresident	3,480	3,516	3,516
Community colleges: Resident	492	516	516
Nonresident	2,880	2,904	2,904
Finances, fiscal year ending June 30:			
Current fund revenues (\$1,000)	621,750	653,677	666,254
Current fund expenditures (\$1,000)	703,726	676,484	701,605
Faculty and staff, October 4/	7,830	7,850	8,131
Board of Regents appointees	6,156	6,183	6,397
Full-time	4,111	4,109	4,199
Part-time	2,045	2,074	2,198
Civil Service personnel	1,674	1,667	1,734
Full-time	1,625	1,622	1,682
Part-time	49	45	52

1/ Revised.

2/ Includes undergraduate, and graduate certificate programs, first professional degree programs (JD, MD, ArchD), post-baccalaureate in education and other programs.

3/ Tuition data are based on academic year (eg 1998 = Academic year 1998-99).

4/ Beginning Fall 2000, includes persons on leave without pay.

Source: University of Hawaii, Institutional Research Office, records.

Table 3.19-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR PRIVATE COLLEGES AND UNIVERSITIES: 1995 TO 2000

[Excludes extension programs of mainland and foreign schools, unaccredited institutions, and other limited or specialized curriculum programs]

Year and institution 1/	Fall enrollment 2/			Earned degrees conferred 3/		
	Total	Undergrad.	Graduate	Associate's	Bachelor's	Master's
1995, total	12,672	11,104	1,568	476	1,303	425
Brigham Young	2,241	2,241	-	39	253	-
Chaminade	2,395	1,889	506	178	200	147
Hawaii Pacific	8,036	6,974	1,062	259	850	278
1996, total	13,209	11,577	1,632	374	1,292	468
Brigham Young	2,396	2,396	-	31	233	-
Chaminade	2,543	2,023	520	169	193	167
Hawaii Pacific	8,270	7,158	1,112	174	866	301
1997, total	13,296	11,710	1,586	356	1,362	474
Brigham Young	2,294	2,294	-	29	212	-
Chaminade	2,612	2,130	482	168	231	137
Hawaii Pacific	8,390	7,286	1,104	159	919	337
1998, total	13,496	11,764	1,732	436	1,518	491
Brigham Young	2,301	2,301	-	28	267	-
Chaminade	2,690	2,034	656	173	236	145
Hawaii Pacific	8,505	7,429	1,076	235	1,015	346
1999, total	13,539	11,738	1,801	461	1,620	578
Brigham Young	2,276	2,276	-	22	312	-
Chaminade	2,740	2,029	711	190	287	220
Hawaii Pacific	8,523	7,433	1,090	249	1,021	358
2000, total	13,847	12,007	1,840	405	1,862	494
Brigham Young	2,353	2,353	-	24	439	-
Chaminade	2,620	2,038	582	142	291	176
Hawaii Pacific	8,874	7,616	1,258	239	1,132	318

1/ Brigham Young University, Hawaii Campus (in Laie); Chaminade University of Honolulu; Hawaii Pacific University (in Honolulu).

2/ In regular credit programs.

3/ Year ended June 30.

Source: Compiled by Hawaii State Department of Business, Economic Development & Tourism from college officials.

Table 3.20-- RESIDENCE AND MIGRATION OF FRESHMEN STUDENTS IN INSTITUTIONS OF HIGHER EDUCATION AND FRESHMEN STUDENTS GRADUATING FROM HIGH SCHOOL IN THE PAST 12 MONTHS: FALL 1998

Category	New undergraduate students 1/	Freshmen students 2/	
		Total	In 4-year colleges
Students enrolled in State 3/	9,519	6,018	2,738
Students residents of State 4/	10,550	7,327	4,012
Students remaining in State 5/	8,075	5,164	1,964
Migration of students:			
Out of State	2,475	2,163	2,048
Into State	1,444	854	774
Net migration	-1,031	-1,309	-1,274

1/ Students who are enrolled at the reporting institution for the first time at the undergraduate level.

2/ Freshman students, graduating from high school in the past 12 months, who are enrolled at the reporting institution for the first time.

3/ New students, whether in-migrants or "remaining."

4/ New students residing in Hawaii when first admitted to the reporting institution, whether in Hawaii or on the Mainland.

5/ New students attending institutions in their home state.

Source: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics 2000*, pp. 233-235.

**Table 3.21-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY
SYSTEM: 1995 TO 2000**

Subject	1995	1996	1997	1998	1999	2000
Library locations, June 30	49	49	49	49	50	50
Oahu	23	23	23	23	23	23
Other islands	26	26	26	26	27	27
Personnel, June 30 1/	514.05	512.05	512.05	512.05	512.05	512.05
Librarians	159.00	159.00	159.00	159.00	157.00	159.00
All others	355.05	353.05	353.05	353.05	355.05	353.05
Hours open 2/	53	53	53	53	53	53
Collections, June 30 (1,000)	3,644	3,662	3,197	3,201	3,317	3,305
Circulation, year ended June 30 (1,000)	7,499	7,407	7,602	7,781	7,345	6,926

1/ Full-time equivalent basis, but including permanent and temporary State general-funded positions and temporary Federal funded positions, and excluding student help.

2/ Regular weekly totals for Hawaii State Library, Honolulu.

Source: Hawaii State Public Library System, Administrative Services Branch, records.

**Table 3.22-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM
BY DISTRICTS: 2000**

District	Library locations, June 30	Personnel, June 30 1/	Circulation, year ended June 30	
Total system	50	512.05	6,945,524	
Oahu	23	306.00	4,674,133	
Hawaii State Library	1	85.00	632,094	
East Oahu Library District	12	120.50	2,303,586	
West Oahu Library District	9	88.50	1,703,159	
Library for the Blind and Physically Handicapped	1	12.00	35,294	
Other islands	27	129.05	2,271,391	
Hawaii Library District	13	58.05	1,072,946	
Kauai Library District	6	28.50	510,340	
Maui Library District 2/ Administration/Centralized Processing Center	8 ...	42.50 77.00	688,105 ...	
	Collections, June 30			
District	Books	Periodical subscriptions	Video tapes	Sound recordings
Total system	3,047,291	5,881	53,695	204,484
Oahu	1,975,389	3,460	31,450	61,050
Hawaii State Library	526,005	1,624	5,713	13,023
East Oahu Library District	824,458	1,198	16,981	31,076
West Oahu Library District	624,926	638	8,756	16,951
Other islands	1,048,728	2,309	22,245	33,430
Hawaii Library District	474,371	1,040	9,599	11,016
Kauai Library District	227,584	461	6,700	9,556
Maui Library District 2/ Library for the Blind and Physically Handicapped 3/	346,773 23,174	808 112	5,946 325	12,858 110,004

1/ Full-time equivalent basis, but including permanent and temporary State general-funded positions and temporary Federal funded positions but excluding student help.

2/ Includes libraries on Lanai (1 location), Maui (6 locations), and Molokai (1 location).

3/ Books include braille. Sound recordings include talking books, magnetic tape, recorded cassettes, and L.P. records.

Source: Hawaii State Public Library System, Administrative Services Branch, records.

Table 3.23-- UNIVERSITY OF HAWAII LIBRARY SYSTEM HOLDINGS AND CIRCULATION, BY CAMPUS: 1999 AND 2000

Campus	Number of volumes, June 30		Circulation, year ended June 30	
	1999	2000	1999	2000
All campuses	3,942,634	4,029,364	754,840	670,890
University of Hawaii at Manoa 1/	3,055,401	3,122,781	577,544	515,447
UH Manoa Law Library	270,632	283,518	4,916	5,013
University of Hawaii-West Oahu	26,829	27,089	4,725	3,283
University of Hawaii at Hilo 2/	257,688	258,862	61,028	57,314
Community colleges, total 2/	332,084	337,114	106,627	89,833
Honolulu	54,372	54,902	8,641	6,715
Kapiolani	68,755	69,015	26,060	30,120
Leeward	65,214	65,771	16,896	14,182
Windward	45,816	46,330	11,550	11,568
Kauai	49,381	51,284	9,026	6,766
Maui 3/ 4/	48,546	49,812	34,454	20,482

1/ Volumes total includes Government Documents Collection. Circulation total includes media use at Wong Audiovisual Center.

2/ Hawaii Community College and UH Center at West Hawaii are included with the University of Hawaii at Hilo.

3/ Maui volumes includes holdings on Molokai, Lanai and Hana.

4/ Maui circulation also includes in-house and Interlibrary loan counts.

Source: University of Hawaii at Manoa, University Libraries, records.

Section 4

LAW ENFORCEMENT, COURTS, AND PRISONS

Statistics in this section refer to victimization rates, crimes known to the police, stolen property, arrests, police personnel, attorneys, the judiciary system, prisons, and correctional facilities.

Statistics on law enforcement, courts, and prisons in Hawaii appear in the annual reports of the county police departments, the Hawaii State Judiciary, the Hawaii State Department of Public Safety, and the Administrative Office of the United States Courts. The Hawaii State Department of the Attorney General issues semi-annual crime summary reports. Figures on crime, the courts, and corrections in earlier years appear in *Historical Statistics of Hawaii*, Section 10. National data are summarized in the *Statistical Abstract of the United States: 2000*, Section 5.

Table 4.01-- ACTUAL MAJOR (INDEX) OFFENSES KNOWN TO THE POLICE, BY COUNTIES: 1989 TO 1999

[Index Offenses include murder, forcible rape, robbery, aggravated assault, burglary, larceny-theft, and motor vehicle theft. Actual offenses include reported or known offenses, less unfounded cases. Effective 1999, an eighth Index Offense, arson, is no longer included in the totals. Revised to exclude negligent manslaughters]

Year	State total		City and County of Honolulu	Hawaii County	Kauai County	Maui County
	Number	Rate 1/				
1989	2/ 69,891	2/ 63.9	2/ 53,003	6,860	2,781	2/ 7,247
1990	2/ 68,121	2/ 61.2	2/ 51,342	2/ 7,517	2,605	2/ 6,657
1991	2/ 68,115	60.2	51,294	2/ 7,278	2,385	7,158
1992	71,258	62.0	53,826	6,940	2,502	7,990
1993	2/ 73,934	63.7	56,681	2/ 6,918	2,355	7,980
1994	2/ 79,187	67.5	2/ 61,156	7,162	2,383	2/ 8,486
1995	85,824	72.7	67,439	7,107	2,657	8,621
1996	78,314	66.1	60,352	6,889	2,987	8,086
1997	2/ 71,872	60.4	2/ 53,712	2/ 7,352	2,855	7,953
1998	63,997	53.8	47,731	6,804	2,265	7,197
1999 3/	57,324	48.4	42,678	5,815	2,076	6,755

1/ Annual rate per 1,000 resident population based on July 1 population estimates by the U.S. Census Bureau, as revised through Dec. 29, 1999.

2/ Revised.

3/ Excludes arson.

Source: Department of the Attorney General, Crime Prevention and Justice Assistance Division, from police department annual reports and records. Annual rates per 1,000 resident population calculated by the Hawaii State Department of Business, Economic Development & Tourism.

Table 4.02-- ACTUAL INDEX OFFENSES KNOWN TO THE POLICE, BY TYPE OF OFFENSE, FOR THE STATE OF HAWAII: 1990 TO 1999

[Revised to conform with the Attorney General's annual *Crime in Hawaii* report, except that arson is included in total Index Offenses from 1990-1998. Due to a difference in the of counting arsons, adding arsons to the total of the other Index Offenses results in an overcount of total Index Offenses. Effective 1999, arson is no longer included in total Index Offenses. Revisions include the deletion of negligent manslaughter, which is not an Index Offense]

Offense	1990	1991	1992	1993	1994
All Index Offenses	1/ 68,121	1/ 68,115	71,258	1/ 73,934	1/ 79,187
Murder	44	45	42	45	50
Forcible rape	1/ 360	375	440	394	359
Robbery	1/ 1,013	986	1,151	1,214	1,221
Aggravated assault	1/ 1,696	1,338	1,365	1,408	1,461
Burglary	1/ 13,611	14,011	13,006	13,310	14,029
Larceny - theft	1/ 46,735	47,195	50,544	51,912	55,260
Motor vehicle theft	1/ 4,217	3,814	4,351	5,283	6,383
Arson	1/ 445	351	359	368	424
Offense	1995	1996	1997	1998	1999
All Index Offenses	85,824	78,314	1/ 71,872	63,997	2/ 57,324
Murder	56	40	47	24	44
Forcible rape	336	326	371	352	354
Robbery	1,553	1,606	1,403	1,225	1,044
Aggravated assault	1,564	1,350	1,478	1,345	1,343
Burglary	13,832	12,781	12,741	11,169	9,421
Larceny - theft	59,907	54,701	48,984	43,914	40,458
Motor vehicle theft	8,199	7,157	6,468	5,594	4,660
Arson	377	353	380	374	2/ 352

1/ Revised.

2/ Beginning in 1999, arson is excluded from the all Index Offenses total.

Source: Department of the Attorney General, Crime Prevention and Justice Assistance Division, primarily from annual reports of the county police departments unless otherwise indicated.

**Table 4.03-- ACTUAL OFFENSES KNOWN TO POLICE AND OFFENSES
CLEARED BY ARREST OR OTHERWISE, BY CLASS OF OFFENSE:
1989 TO 1999**

Year	Actual offenses known to police		Number cleared by arrest or otherwise 1/		Clearances per 100 offenses 1/	
	Index Offenses	Part II, except traffic 2/	Index Offenses	Part II, except traffic 2/	Index Offenses	Part II, except traffic 2/
1989	3/ 69,891	3/ 120,462	3/ 9,717	63,279	3/ 13.9	52.5
1990	3/ 68,121	3/ 119,368	3/ 12,477	3/ 68,647	3/ 18.3	57.5
1991	3/ 68,115	3/ 116,747	3/ 14,250	3/ 74,609	20.9	63.9
1992	71,258	120,345	3/ 13,269	79,096	18.6	65.7
1993	3/ 73,934	3/ 115,495	3/ 11,272	3/ 74,478	15.2	64.5
1994	3/ 79,187	3/ 118,942	3/ 12,179	3/ 75,843	15.4	63.8
1995	85,824	121,629	3/ 11,659	80,461	13.6	66.2
1996	78,314	115,435	12,335	79,523	15.8	68.9
1997	3/ 71,872	3/ 117,354	3/ 12,693	4/ 85,606	17.7	4/ 72.9
1998	63,997	109,183	12,069	72,564	18.9	66.5
1999	5/ 57,324	107,135	5/ 9,947	70,826	5/ 17.4	66.1

1/ Annual data on clearances include prior years' offenses cleared in the current year.

2/ Part II data include all other offenses, except traffic, that are not included in the Index Offenses. The list of these Part II offenses include other assault, disorderly conduct, driving under the influence, drug abuse violations, embezzlement, forgery and counterfeiting, fraud, gambling, liquor laws, manslaughter by negligence, offenses against the family and children, prostitution and commercialized vice, sex offenses, stolen property, vagrancy, vandalism, and weapons offenses. However, in this table, the Part II data does include "hit and run" cases in Honolulu for 1991. All traffic cases excluded for 1989-1990 and from 1992 onward.

3/ Revised.

4/ A special effort by the Hawaii County Police Department to close cases which were referred to the Prosecutor dating back to 1984 resulted in a greater number of Part II clearances than would normally be expected.

5/ Excludes arson.

Source: Data compiled by Department of the Attorney General, Crime Prevention and Justice Assistance Division, from Police Department annual reports and Uniform Crime Reporting Program.

**Table 4.04-- ACTUAL OFFENSES KNOWN TO POLICE AND OFFENSES
CLEARED BY ARREST OR OTHERWISE, BY CLASS OF OFFENSE,
BY COUNTIES: 1999**

County	Actual offenses known to police		Number cleared by arrest or otherwise		Percent cleared	
	Index 1/	Part II 2/	Index 1/	Part II 2/	Index 1/	Part II 2/
State total	57,324	107,135	9,947	70,826	17.4	66.1
Honolulu	42,678	62,227	6,504	41,489	15.2	66.7
Hawaii	5,815	16,177	1,948	13,863	33.5	85.7
Kauai	2,076	4,352	377	2,074	18.2	47.7
Maui	6,755	24,379	1,118	13,400	16.6	55.0

1/ Excludes arson.

2/ Excludes traffic offenses.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, from data provided by county police departments.

**Table 4.05-- ACTUAL INDEX OFFENSES KNOWN TO POLICE AND INDEX
OFFENSES CLEARED BY ARREST OR OTHERWISE,
FOR THE STATE AND OAHU: 1999**

Type of offense	Actual offenses known to police		Number cleared by arrest or otherwise 1/		Percent cleared	
	State total	Oahu only	State total	Oahu only	State total	Oahu only
Index Offenses 2/	57,324	42,678	9,947	6,504	17.4	15.2
Murder	44	37	35	27	79.5	73.0
Rape	354	235	216	143	61.0	60.9
Robbery	1,044	907	306	235	29.3	25.9
Aggravated assault	1,343	1,019	728	456	54.2	44.7
Burglary	9,421	6,087	1,140	541	12.1	8.9
Larceny-theft	40,458	30,396	6,856	4,645	16.9	15.3
Motor vehicle theft	4,660	3,997	666	457	14.3	11.4
Arson	352	263	24	10	6.8	3.8

1/ Includes offenses committed in prior years.

2/ All totals exclude arson.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, from data provided by county police departments.

**Table 4.06-- PERSONS ARRESTED FOR INDEX AND PART II OFFENSES,
BY AGE AND SEX, AND BY COUNTIES: 1999**

Subject	State total	Honolulu	Hawaii	Maui	Kauai
INDEX OFFENSES 1/					
Total	9,300	6,641	1,242	1,050	367
Juveniles	2,946	1,988	467	310	181
Male	2,064	1,377	339	236	112
Female	882	611	128	74	69
Adults	6,354	4,653	775	740	186
Male	4,640	3,384	546	574	136
Female	1,714	1,269	229	166	50
PART II OFFENSES (EXCLUDE TRAFFIC)					
Total	52,023	34,766	8,199	5,752	3,306
Juveniles	10,353	7,447	1,252	675	979
Male	5,854	4,175	715	401	563
Female	4,499	3,272	537	274	416
Adults	41,670	27,319	6,947	5,077	2,327
Male	33,200	22,099	5,368	3,964	1,769
Female	8,470	5,220	1,579	1,113	558

1/ Total Index Offense arrests includes arrests for arson.

Source: Department of the Attorney General, Crime Prevention and Justice Assistance Division, from Uniform Crime Reports.

Table 4.07-- CHILD ABUSE AND NEGLECT REPORTS: 1970 TO 1999

[Includes abuse, neglect, abuse and neglect, and sexual abuse reports]

Year	Reported	Confirmed	Year	Reported	Confirmed	Year	Reported	Confirmed
1970	972	487	1980	2,106	1,059	1990	4,407	2,392
1971	1,015	504	1981	2,360	1,137	1991	4,365	2,318
1972	1,191	558	1982	2,685	1,379	1992	4,568	2,485
1973	1,079	499	1983	3,635	1,621	1993	4,753	2,411
1974	1,142	560	1984	4,388	2,180	1994	5,186	2,334
1975	914	423	1985	4,359	2,391	1995	4,984	2,317
1976	1,325	634	1986	4,900	2,629	1996	4,775	2,268
1977	1,794	841	1987	4,741	2,555	1997	5,235	2,531
1978	1,845	1,110	1988	3,893	2,315	1998	4,762	2,242
1979	2,290	1,109	1989	4,054	2,386	1999	5,962	2,935

Source: Hawaii State Department of Human Services, Management Services Office, *A Statistical Report on Child Abuse and Neglect in Hawaii, 1999*, p. 4.

Table 4.08-- CHARACTERISTICS OF CHILD ABUSE AND NEGLECT REPORTS AND VICTIMS: 1999

Subject	Reported	Confirmed
Total reports	5,962	2,935
Type of report:		
Abuse	2,266	1,245
Neglect	1,782	801
Abuse and neglect	1,423	666
Sexual exploitation	491	223
County:		
Hawaii	1,192	517
Honolulu	3,237	1,765
Kauai	391	140
Maui	908	400
Victim characteristics:		
Median age (years)	...	7
Percent females	...	50.6
Race (percent):		
Hawaiian or part Hawaiian	...	36.0
Mixed	...	17.7
White	...	10.7
Other	...	35.6
Percent military or dependents	...	2.8

Source: Hawaii State Department of Human Services, Management Services Office, *A Statistical Report on Child Abuse and Neglect in Hawaii, 1999*, p. 6-10, 16,18 and 23.

Table 4.09-- VALUE OF PROPERTY REPORTED STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY CATEGORY: 1989 TO 1999

Year	Locally stolen motor vehicles			Other stolen property		
	Value stolen (\$1,000)	Value recovered 1/		Value stolen (\$1,000)	Value recovered 1/	
		Amount (\$1,000)	Percent		Amount (\$1,000)	Percent
1989	11,067.8	7,397.7	76.2	45,311.0	2,310.9	5.1
1990	10,152.1	7,752.2	76.4	41,026.4	1,824.3	4.4
1991	8,231.7	6,584.4	80.0	57,399.0	2,650.3	4.6
1992	7,806.9	6,439.5	82.5	50,186.9	3,177.5	6.3
1993	10,604.6	7,703.6	72.6	52,523.6	2,957.9	5.6
1994	12,130.1	9,283.5	76.5	56,242.1	3,355.1	6.0
1995	14,916.3	11,821.0	79.2	59,467.6	2,978.2	5.0
1996	17,884.9	13,933.6	77.9	59,619.9	3,538.0	5.9
1997	15,908.6	11,341.6	71.3	50,515.4	2,262.1	4.5
1998	12,406.3	8,702.4	70.1	47,282.6	2,492.7	5.3
1999	10,295.3	7,425.8	72.1	41,141.6	2,030.3	4.9

1/ Annual data include prior years' stolen property recovered in current year.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, data from Uniform Crime Reports.

Table 4.10-- VALUE OF PROPERTY STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY COUNTIES: 1999

Subject	State total	Honolulu	Hawaii	Maui	Kauai
Value of property stolen (1,000)	51,436.9	37,984.0	4,449.7	7,380.2	1,623.0
Motor vehicles	10,295.3	6,638.7	851.9	2,344.5	460.2
Other property	41,141.6	31,345.3	3,597.8	5,035.7	1,162.7
Value of stolen property recovered 1/ (\$1,000)	9,456.1	5,793.0	896.0	2,401.8	365.2
Motor vehicles	7,425.8	4,664.7	529.2	1,897.2	334.6
Other property	2,030.3	1,128.3	366.8	504.6	30.6
Percent of value recovered	18.4	15.3	20.1	32.5	22.5
Motor vehicles	72.1	70.3	62.1	80.9	72.7
Other property	4.9	3.6	10.2	10.0	2.6

1/ Annual data include prior years' stolen property recovered in current year.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, data from Uniform Crime Reports.

**Table 4.11-- CRIME RATES FOR THE UNITED STATES AND HAWAII:
1998 AND 1999**

[Offenses known to the police per 100,000 estimated population]

Type of offense	U.S. rate		Hawaii rate		Hawaii rank 1/	
	1998 2/	1999	1998	1999	1998 2/	1999
All Index Offenses 3/	4,619.3	4,266.8	5,344.4	4,835.4	12	13
Violent crime	567.5	524.7	247.5	234.9	44	43
Property crime	4,051.8	3,742.1	5,096.9	4,600.5	8	10

1/ Out of 50 states, with highest crime rate ranking 1.

2/ Revised.

3/ Excluding arson and negligent manslaughter.

Source: Hawaii State Department of the Attorney General, Crime Prevention and Justice Assistance Division, records; U.S. Department of Justice, Federal Bureau of Investigation.

**Table 4.12-- AUTHORIZED POLICE PERSONNEL, BY COUNTIES:
DECEMBER 2000**

Year and status	State total	Honolulu	Hawaii	Kauai	Maui
Total	4,184	2,987	576	177	444
Sworn, active	2,904	2,034	395	141	334
Sworn, reserve	122	100	22	-	-
Training pool	312	289	23	-	-
Not sworn	846	564	136	36	110

Source: County police departments, records.

**Table 4.13-- COURTS, JUDGES, MAGISTRATES, AND ATTORNEYS:
1998 TO 2000**

[As of June 30]

Subject	1998	1999	2000
Federal judges and magistrates: 1/			
U.S. Bankruptcy Court	1	1	1
U.S. District Court	6	7	6
State justices and judges: 1/			
Supreme Court	5	5	5
Intermediate Court of Appeals	4	4	4
Circuit Courts 2/	29	29	29
Assigned to Family Court	2	2	2
District Courts 3/	35	35	36
Assigned to Family Court	13	13	14
Land Court	(4/)	(4/)	(4/)
Tax Appeal Court	(4/)	(4/)	(4/)
Attorneys licensed in Hawaii 5/	6,102	6,116	6,750
Active	4,249	4,159	4,254
Inactive	1,853	1,957	2,496

1/ Authorized full-time positions.

2/ Includes two judges assigned to the Family Court, a division of the Circuit Courts. In addition, Circuit Court judges may be assigned to hear matters before the Land Court and Tax Appeal Court, both of which are specialized courts separate from the Circuit Courts. There are four Circuit Courts, convened in five locations.

3/ Includes judges assigned to the Family Courts, a division of the Circuit Courts. There are four District Courts, one in each of the four judicial circuits, convened in 22 locations.

4/ Caseload assigned to Circuit Court judges.

5/ Data for all years include judges. The 1998 data are as of November 23, the 1999 data are as of October 22, and the 2000 data are as of December 4.

Source: Office of the Clerk, U.S. District Court, records; Office of the Administrative Director of the Courts, State Judiciary, records; Hawaii State Bar Association, records.

**Table 4.14-- UNITED STATES DISTRICT COURT CASES:
1998 TO 2000**

[Years ended September 30]

Subject	1998	1999	2000
Civil cases:			
Commenced (filings)	1,075	918	892
Terminated	1,108	1,147	999
Pending, end of period 1/	1,472	1,243	1,136
Criminal cases:			
Commenced (filings)	718	586	477
Terminated	723	1,080	432
Pending, end of period	2/ 1,017	3/ 459	504
Bankruptcy:			
Commenced (filings), total	5,522	5,725	4,667
Business	127	98	58
Nonbusiness	5,395	5,627	4,609
Terminated	4,716	6,059	4,791
Pending, end of period	3,165	3/ 2,830	2,706

1/ Excludes asbestos cases transferred to the Pennsylvania Eastern District Court under Order 875 of the Judicial Panel on Multidistrict Litigation.

2/ Excludes each case in which the defendant has been a fugitive since before October 1, 1998. However, no case with multiple defendants has been excluded unless all defendants in the case have been fugitives since before October 1, 1998.

3/ Revised. Excludes each case in which the defendant has been a fugitive since before October 1, 1998. However, no case with multiple defendants has been excluded unless all defendants in the case have been fugitives since before October 1, 1998.

Source: Administrative Office of the United States Courts, *Judicial Business of the United States Courts Annual Report of the Director 1998, 1999 and 2000* at <http://www.uscourts.gov/judbus2000/contents.html>, accessed July 1, 2001.

**Table 4.15-- UNITED STATES BANKRUPTCY COURT CASES FILED
UNDER CHAPTER 7 AND CHAPTER 13 OF THE
BANKRUPTCY CODE: 1990 TO 2000**

[Based upon original chapter designation at the time the case is originally filed.
Table includes cases filed in 2000 which were on the caseload as of 6/26/01]

Year	Chapter 7 1/			Chapter 13 2/		
	Total	Business	Personal	Total	Business	Personal
1990	754	43	711	80	-	80
1991	984	45	939	69	-	69
1992	1,262	92	1,170	79	3	76
1993	1,351	126	1,225	80	10	70
1994	1,430	92	1,338	98	9	89
1995	1,843	111	1,732	140	10	130
1996	2,765	125	2,640	267	16	251
1997	3,956	124	3,832	454	19	435
1998	5,265	79	5,186	518	6	512
1999	4,882	59	4,823	500	6	494
2000	4,012	44	3,968	486	3	483

1/ Chapter 7 cases involve the bankruptcy trustee's gathering and sale of the debtor's nonexempt assets, from which holders of claims will receive distributions in accordance with the provisions of the Bankruptcy Code. (Excerpt taken from Bankruptcy Division Public Information Series, Administrative Office of the United States Courts).

2/ Chapter 13 is designed for individuals with regular income who desire to pay their debts but are currently unable to do so. The primary benefit of Chapter 13 relief is the ability to repay creditors, in full or in part, in installments over a three to five year period, during which time creditors are prohibited from starting or continuing collection efforts. (Excerpt taken from Bankruptcy Division Public Information Series, Administrative Office of the United States Courts).

Source: United States Bankruptcy Court of the District of Hawaii, records.

**Table 4.16-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:
1998 TO 2000**

[Years ended June 30]

Court and type of action	1998	1999	2000
Supreme Court 1/	4,012	3,876	3,554
Primary cases	713	730	646
Appeals	646	623	579
Original proceedings	67	107	67
Supplemental proceedings	3,299	3,146	2,908
Intermediate Court of Appeals 2/	350	414	406
Primary cases	148	229	239
Appeals	148	229	239
Supplemental proceedings	202	185	167
Circuit Courts Proper	16,913	14,820	13,480
Primary proceedings	16,913	14,820	13,480
Civil actions	8,021	6,992	6,032
Probate proceedings	1,408	1,368	1,312
Guardianship proceedings	622	478	359
Miscellaneous proceedings	1,645	1,486	1,351
Criminal actions	5,217	4,496	4,426
Part I offenses	2,014	1,716	1,709
Part II offenses	3,203	2,780	2,717
Family Courts	47,419	48,689	51,414
Primary proceedings and referrals	34,219	30,937	32,671
Marital actions and proceedings	6,261	5,513	5,488
Uniform reciprocal enforcement of support	364	322	543
Adoption proceedings	750	789	757
Parental proceedings	2,766	2,061	2,389
Domestic Abuse Protective Orders (Ch. 586)	3,275	3,055	3,570
Miscellaneous proceedings	2,247	1,799	2,179
Criminal actions	4,337	4,297	3,946
Adults' referrals	(3/)	(3/)	(3/)
Children's referrals	14,219	13,101	13,799
Supplemental proceedings	13,200	17,752	18,743

Footnote and source on next page.

**Table 4.16-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:
1998 TO 2000 -- Con.**

Court and type of action	1998	1999	2000
District Court	574,172	563,976	514,552
Civil	27,645	24,032	23,008
Regular civil	21,586	18,272	17,776
Small claims	6,059	5,760	5,232
Traffic	491,113	479,747	434,565
Moving - arrest and citation	137,236	149,170	133,775
Non-moving	109,697	115,783	99,075
Parking	244,180	214,794	201,715
Other violations	5,532	4,749	2,769
Criminal actions	49,882	55,448	54,210
Part I offenses	7,780	7,170	5,188
Part II offenses	42,102	48,278	49,022

1/ Data exclude cases transferred to the Intermediate Court of Appeals: 153 in 1998, 225 in 1999, and 239 in 2000.

2/ Data exclude cases transferred back to the Supreme Court: 6 in 1998, 3 in 1999, and none in 2000.

3/ Adult's referrals are no longer being reported.

Source: The Judiciary, State of Hawaii, records.

**Table 4.17-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
1998 TO 2000**

[Years ended June 30]

Court and type of action	1998	1999	2000
Supreme Court 1/	4,131	3,922	3,447
Primary cases	856	763	540
Appeals	792	658	469
Original proceedings	64	105	71
Supplemental proceedings	3,275	3,159	2,907
Intermediate Court of Appeals 2/	509	420	359
Primary cases	315	200	198
Appeals	315	200	198
Supplemental proceedings	194	220	161
Circuit Courts Proper	17,433	14,393	15,646
Primary proceedings	17,433	14,393	15,646
Civil actions	8,226	7,173	8,672
Probate proceedings	1,007	1,175	1,137
Guardianship proceedings	337	210	216
Miscellaneous proceedings	2,730	1,447	1,314
Criminal actions	5,133	4,388	4,307
Part I offenses	1,886	1,783	1,677
Part II offenses	3,247	2,605	2,630
Family Courts	52,790	49,157	49,155
Primary proceedings and referrals	39,514	31,957	30,875
Marital actions and proceedings	8,697	5,415	4,587
Uniform reciprocal enforcement of support	452	1,190	566
Adoption proceedings	731	739	626
Parental proceedings	2,853	2,373	2,744
Domestic Abuse Protective Orders (Ch. 586)	3,202	2,936	3,478
Miscellaneous proceedings	3,129	1,425	2,441
Criminal actions	5,472	4,873	3,371
Adults' referrals	(3/)	(3/)	(3/)
Children's referrals	14,978	13,006	13,062
Supplemental proceedings	13,276	17,200	18,280

Footnote and source on next page.

**Table 4.17-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
1998 TO 2000 -- Con.**

Court and type of action	1998	1999	2000
District Court	515,675	508,203	464,080
Civil	23,274	22,126	21,881
Regular civil	17,697	16,494	16,606
Small claims	5,577	5,632	5,275
Traffic	440,551	434,669	391,827
Moving - arrest and citation	119,875	138,142	127,226
Non-moving	91,916	104,980	87,327
Parking	228,760	191,547	177,274
Other violations	4,533	4,217	2,143
Criminal actions	47,317	47,191	48,229
Part I offenses	8,252	6,908	5,190
Part II offenses	39,065	40,283	43,039

1/ Data exclude cases transferred to the Intermediate Court of Appeals: 153 in 1998, 225 in 1999, and 239 in 2000.

2/ Data exclude cases transferred back to the Supreme Court: 6 in 1998, 3 in 1999, and none in 2000.

3/ Adult's referrals are no longer being reported.

Source: The Judiciary, State of Hawaii, records.

**Table 4.18-- INMATES PRESENT IN STATE CORRECTIONAL FACILITIES:
ANNUAL AVERAGES, 1990 TO 2000**

[Mean head count for fiscal years ended June 30]

Year	Total 1/	Adult facilities 1/				Juvenile facilities 2/	
		Sentenced felons	Sentenced jail 3/	Not sentenced	Technical violators 4/	Boys	Girls
1990	2,382	1,482	212	629	...	53	6
1991	2,430	1,462	239	667	...	52	10
1992	2,600	1,434	274	597	233	55	7
1993	5/ 2,824	1,480	294	647	297	58	6
1994	2,881	1,534	285	705	286	64	7
1995	3,039	1,537	246	805	368	67	16
1996	6/ 3,070	6/ 1,488	243	853	436	7/ 44	7/ 6
1997	8/ 3,450	8/ 1,557	343	994	498	50	8
1998	8/ 4,157	8/ 1,662	432	1,348	644	61	10
1999	9/ 3,811	9/ 1,456	438	1,163	667	60	27
2000	9/ 3,669	9/ 1,426	337	1,062	752	75	17

1/ Includes eight facilities: Oahu, Hawaii, Kauai, and Maui Community Correctional Centers; Kulani Correctional Facility, Halawa Correctional Facility, Women's Community Correctional Center, and Waiawa Correctional Facility.

2/ Hawaii Youth Correctional Facility.

3/ Includes felon probationers serving jail terms under one year.

4/ Consists of parole and probation violators, previously included in the "Not Sentenced" category.

5/ Includes "other jurisdiction" population (42).

6/ Excludes 277 sentenced felons incarcerated in two Texas correctional facilities.

7/ On September 5, 1995, a new secure facility with a ceiling of 30 beds was first occupied. Also, more use is being made of residential programs in the community.

8/ Excludes 600 sentenced felons incarcerated in three Texas correctional facilities.

9/ Excludes sentenced felons incarcerated in four contracted out-of-state facilities.

Source: Hawaii State Department of Public Safety, records; Hawaii State Department of Human Services, Office of Youth Services/Hawaii Youth Correctional Facility, records.

Table 4.19-- MEDIAN AGES AND AVERAGE SENTENCES OF SENTENCED FELON POPULATION: 1989 TO 1999

[Years ended June 30. These data cover only sentenced felons under the jurisdiction of the State's correctional facilities, in hospitals, in mainland facilities, and on community release status. Parolees are not included. Average sentence calculations include life with parole sentences]

Year	Median age (years) 1/		Average sentences (months)		
	At admission	Currently as of June 30	Felons admitted		Felons released: time served
			Minimum	Maximum	
1989	30.1	28.7	43.9	132.6	2/ 43.9
1990	30.2	30.7	45.1	122.6	2/ 42.8
1991	32.1	33.6	44.6	140.5	36.1
1992	31.9	34.6	41.6	128.5	37.8
1993	32.3	34.1	40.2	119.5	34.3
1994	31.4	34.0	45.2	129.3	33.7
1995	32.3	34.4	46.1	110.0	38.8
1996	33.4	33.9	39.5	105.0	34.0
1997	33.3	34.3	51.2	3/ 106.0	38.9
1998	33.5	34.9	45.2	3/ 105.2	36.7
1999	33.7	31.9	47.6	3/ 105.5	34.4

1/ For sentenced felon population on June 30.

2/ Average time served did not include sentenced felons with unknown offenses.

3/ Average based on statutory maximum sentences for each offense grade.

Source: Hawaii State Department of Public Safety, Correctional Information System (CIS); Hawaii Paroling Authority, annual reports.

**Table 4.20-- HAWAII PAROLING AUTHORITY STATISTICAL SUMMARY:
1997 TO 2000**

[Years ended June 30]

Item	1997	1998	1999	2000
Number of parolees, June 30 1/	1,804	1,878	2,214	2,658
Parolees in Hawaii	1,376	1,261	1,480	1,950
Parolees outside Hawaii 2/	251	292	371	383
In institution	54	70	88	106
Whereabouts unknown (cumulative)	123	255	275	219
Administrative cases	-	-	-	-
Minimum imprisonment terms fixed	2,558	2,876	3,351	3,002
Number of persons for whom minimum terms fixed	852	864	1,000	883
Number of parole consideration hearings	3/ 1,920	1,426	1,741	1,853
Persons considered for parole	1,356	1,094	1,000	1,000
Paroles tentatively granted	713	721	986	1,114
Paroles denied	643	589	669	633
Paroles deferred/continued	564	116	86	106
Parole violation hearings	482	439	422	535
Parole revocations	376	359	311	409
Continued on parole/deferred	106	80	111	126
Pardon investigations	24	55	47	68
Persons recommended for pardon	21	27	21	38
Discharges from parole	287	277	320	256
Full parole term before discharge	179	185	160	131
Early discharge approved	101	80	147	114
Deceased	7	12	13	11

1/ In addition, provided courtesy supervision to 33 interstate cases as of June 30, 2000.

2/ Includes Hawaii cases on reciprocal parole supervision on U.S. Mainland as well as Hawaii cases who are on the U.S. Mainland or Foreign countries receiving some or no supervision but not suspended or absconded. Also includes cases in protective custody.

3/ Revised.

Source: Hawaii State Department of Public Safety, Hawaii Paroling Authority, annual reports.

Section 5

GEOGRAPHY AND ENVIRONMENT

This section relates to land and water areas, physical geography, climate, air and water quality, and other geographic and environmental measurements of Hawaii. Most statistics on land use and ownership, however, appear in Section 6.

Important sources of data include the U.S. Geological Survey, the National Ocean Survey, the National Climatic Data Center, the Division of Water Resource Management of the Hawaii State Department of Land and Natural Resources, the Hawaii State Department of Health, and the University of Hawaii Institute of Geophysics. Detailed information is given in *Atlas of Hawaii*, 3rd edition, published by the University of Hawaii Press in 1998. National data are reported in the *Statistical Abstract of the United States: 2000*, Section 6.

Table 5.01-- GREAT CIRCLE DISTANCES BETWEEN SPECIFIED PLACES

Places	Statute miles	Nautical miles	Kilometers
DISTANCES FROM HONOLULU INTERNATIONAL AIRPORT			
Hawaiian Islands locations:			
Hilo, Hawaii	214	186	344
Kailua, Kona, Hawaii	168	146	270
Kahului, Maui	98	85	158
Lanai Airport	72	63	116
Molokai Airport	54	47	87
Lihue, Kauai	103	90	166
Puuwai, Niihau	152	132	245
Nihoa	283	246	455
Necker Island	520	452	837
French Frigate Shoals	556	483	895
Gardner Pinnacles	688	598	1,107
Maro Reef	851	739	1,369
Laysan Island	936	813	1,506
Lisianski Island	1,065	925	1,714
Pearl and Hermes Atoll	1,208	1,050	1,944
Midway Islands	1,309	1,137	2,106
Kure Atoll	1,367	1,188	2,200
Other Pacific locations:			
Apra Harbor, Guam	3,806	3,307	6,124
Auckland, New Zealand	4,393	3,817	7,068
Baker Island	1,900	1,649	3,058
Hong Kong	5,541	4,815	8,915
Howland Island	1,900	1,649	3,058
Jarvis Island	1,560	1,354	2,511
Johnston Atoll	820	713	1,319
Kingman Reef	1,073	932	1,726
Kiritimati (Christmas Island), Kiribati	1,344	1,168	2,163
Majuro, Marshall Islands	2,271	1,973	3,654
Manila, Philippines	5,293	4,599	8,516
Nuku Hiva, Marquesas Islands	2,400	2,086	3,864
Pago Pago, American Samoa	2,606	2,265	4,193
Palmyra Atoll	1,101	957	1,772
Papeete, Tahiti	2,741	2,382	4,410
Suva, Fiji	3,159	2,745	5,083
Sydney (Port Jackson), Australia	5,070	4,406	8,158
Tokyo, Japan	3,847	3,343	6,190
Wake Island	2,294	1,993	3,691

Continued on next page.

Table 5.01-- GREAT CIRCLE DISTANCES BETWEEN SPECIFIED PLACES -- Con.

Places	Statute miles	Nautical miles	Kilometers
DISTANCES FROM HONOLULU INT. AIRPORT--Con.			
North and South American locations:			
Anchorage, Alaska	2,781	2,417	4,475
Cape Horn, Chile	7,457	6,480	11,998
Chicago, Illinois	4,179	3,631	6,724
Cristobal, Canal Zone	5,214	4,531	8,389
Los Angeles, California	2,557	2,222	4,114
Miami, Florida	4,856	4,220	7,813
New York, New York	4,959	4,309	7,979
Portland, Oregon	2,595	2,255	4,175
San Diego, California	2,610	2,268	4,199
San Francisco, California	2,397	2,083	3,857
Seattle, Washington	2,679	2,328	4,311
Vancouver, B.C.	2,709	2,354	4,359
Tijuana, Mexico	2,616	2,273	4,209
Washington, D.C.	4,829	4,196	7,770
London, England	7,226	6,279	11,627
Bombay, India	8,010	6,960	12,888
Ghanzi, Botswana 1/	12,417	10,790	19,979
Equator, due south of Honolulu	1,470	1,277	2,367
North Pole	4,740	4,119	7,631
OTHER DISTANCES			
Hilo to --			
Los Angeles, California	2,447	2,126	3,937
San Francisco, California	2,315	2,012	3,725
Kure Atoll to --			
Cape Kumukahi, Puna, Hawaii 2/	1,523	1,323	2,451
Log Point, Elliot Key, Florida 3/	5,852	5,085	9,416
Tokyo, Japan	2,486	2,160	4,000
West Quoddy Head, Maine	5,788	5,030	9,313

1/ Ghanzi, Botswana is Honolulu's antipode, that is, the point precisely opposite to it on the globe.

2/ Cape Kumukahi and Kure Atoll are the points farthest apart in the Hawaiian Archipelago and State of Hawaii.

3/ Log Point and Kure Atoll are the points farthest apart in the 50 states.

Source: U.S. Department of the Interior, Geological Survey, *Elevations and Distances in the United States* (1980), pp. 22-23, and records; E. H. Bryan, Jr., *American Polynesia and the Hawaiian Chain* (1942), pp. 38, 42, and 134.

Table 5.02-- LATITUDES AND LONGITUDES OF SELECTED PLACES

Island and place	Latitude (North)	Longitude (West)
Hawaii:		
Hilo (International Airport)	19°43'	155°04'
Cape Kumukahi	19°31'	154°49'
Ka Lae	18°56'	155°41'
Keahole Point	19°44'	156°04'
Upolu Point	20°16'	155°51'
Geographic center of State (off Maui)	20°15'	156°20'
Maui:		
Wailuku	20°53'	156°30'
Kahului (Airport)	20°54'	156°26'
Hana	20°45'	155°59'
Cape Hanamanioa	20°35'	156°25'
Lahaina	20°52'	156°41'
Kahoolawe:		
Puu Moaulanui	20°34'	156°34'
Lanai:		
Airport	20°48'	156°57'
Molokai:		
Kaunakakai	21°05'	157°02'
Laaupoint	21°06'	157°19'
Cape Halawa	21°10'	156°43'
Oahu:		
Honolulu: International Airport	21°20'	157°55'
Aloha Tower	21°19'	157°52'
Kaena Point	21°35'	158°17'
Kahuku Point	21°43'	157°59'
Makapuu Point	21°19'	157°39'
Diamond Head	21°16'	157°49'
Kauai:		
Lihue (Kauai Airport)	21°59'	159°21'
Mana	22°02'	159°46'
Kilauea Point	22°14'	159°24'
Niihau:		
Puuwai	21°54'	160°12'
Kure Atoll	28°25'	178°22'

Source: U.S. Board on Geographic Names, *Gazetteer No. 24, Hawaiian Islands* (1956); U.S. Geological Survey, *Elevations and Distances in the United States* (1980), pp. 17 and 22-23; U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 1984* for Hilo, Kahului, Honolulu, and Lihue; Bernice P. Bishop Museum, records; Hawaii State Department of Accounting and General Services, Survey Division, records.

**Table 5.03-- TIME DIFFERENTIALS BETWEEN HONOLULU AND
SELECTED CITIES**

City	June		December	
	Day	Hour	Day	Hour
Honolulu	Same	12:00 noon	Same	12:00 noon
Los Angeles	Same	3:00 p.m.	Same	2:00 p.m.
Denver	Same	4:00 p.m.	Same	3:00 p.m.
Houston	Same	5:00 p.m.	Same	4:00 p.m.
Chicago	Same	5:00 p.m.	Same	4:00 p.m.
Atlanta	Same	6:00 p.m.	Same	5:00 p.m.
Washington	Same	6:00 p.m.	Same	5:00 p.m.
New York	Same	6:00 p.m.	Same	5:00 p.m.
London	Same	11:00 p.m.	Same	10:00 p.m.
Singapore	Next	6:00 a.m.	Next	6:00 a.m.
Hong Kong	Next	6:00 a.m.	Next	6:00 a.m.
Manila	Next	6:00 a.m.	Next	6:00 a.m.
Tokyo	Next	7:00 a.m.	Next	7:00 a.m.
Sydney	Next	8:00 a.m.	Next	9:00 a.m.

Source: GTE Hawaiian Tel, The White Pages, *Oahu, June 1999-2000*, pp. 38, 41.

Table 5.04-- WIDTHS AND DEPTHS OF CHANNELS

Channel 1/	Width 2/		Depth 3/	
	Statute miles	Kilometers	Feet	Meters
Alenuihaha (Hawaii-Maui)	29.6	47.6	6,810	2,076
Alalakeiki (Kahoolawe-Maui)	6.7	10.8	822	251
Kealaikahiki (Kahoolawe-Lanai)	17.8	28.6	1,086	331
Auau (Lanai-Maui)	9.5	15.3	252	77
Kalohi (Lanai-Molokai)	9.2	14.8	540	165
Pailolo (Maui-Molokai)	8.8	14.2	846	258
Kaiwi (Molokai-Oahu)	25.8	41.5	2,202	671
Kauai (Oahu-Kauai)	72.1	116.0	10,890	3,319
Kaulakahi (Kauai-Niihau)	17.2	27.7	3,570	1,088
Niihau-Kaula	21.5	34.6	5,364	1,635
Niihau-Nihoa	133.9	215.5	14,550	4,435
Nihoa-Necker I.	179.6	289.0	12,600	3,840
Necker I.-French Frigate Shoals	100.3	161.4	12,780	3,895
French Frigate Shoals-Gardner Pinnacles	137.0	220.5	11,448	3,489
Gardner Pinnacles-Marø Reef	155.5	250.3	12,300	3,749
Marø Reef-Laysan I.	65.9	106.1	8,280	2,524
Laysan I.-Lisianski I.	137.4	221.1	16,830	5,130
Lisianski I.-Pearl and Hermes Atoll	162.6	261.7	17,400	5,304
Pearl and Hermes Atoll-Midway Islands	86.9	139.9	15,840	4,828
Midway Islands-Kure Atoll	57.1	91.9	12,960	3,950

1/ Listed in geographic order, from east to west. The channels between major islands were measured between the following points:

- Alenuihaha: Upolu Pt., Hawaii, to Puhilele Pt., Maui;
- Alalakeiki: Lae o ka Ule, Kahoolawe, to Nukuele Pt., Maui;
- Kealaikahiki: Makaalae, Kahoolawe, to Kamaiki Pt., Lanai;
- Auau: Kikoa Pt., Lanai, to Lahaina, Maui;
- Kalohi: Wahie Pt., Lanai, to Kamalo, Molokai;
- Pailolo: Lipoa Pt., Maui, to Pohakuloa, Molokai;
- Kaiwi: Ilio Pt., Molokai, to Makapuu Pt., Oahu;
- Kauai: Kaena Pt., Oahu, to Kamilo Pt., Kauai;
- Kaulakahi: Mana Pt., Kauai, to Kaunuopou, Niihau.

2/ Width measured in statute miles between designated points on National Ocean Survey and Coast and Geodetic Survey charts. Width in kilometers calculated from miles (1 mile = 1.60934 km.).

3/ Depths given are the deepest soundings noted at or near the line joining the two designated points, on National Ocean Survey and Coast and Geodetic Survey charts. Depths measured in fathoms and converted to feet and meters (1 fathom = 6 feet = 1.8288 meters).

Source: Compiled by Lee S. Motteler, Geography and Map Division, Bernice P. Bishop Museum, in November 1980.

Table 5.05-- GENERAL COASTLINE AND TIDAL SHORELINE OF COUNTIES AND ISLANDS

County and island	General coastline 1/		Tidal shoreline 2/	
	Statute miles	Kilometers 3/	Statute miles	Kilometers 3/
State total	750	1,207	1,052	1,693
Counties:				
Hawaii	266	428	313	504
Maui, including Kalawao	210	338	343	552
Honolulu	137	220	234	377
Kauai	137	220	162	261
Islands: 4/				
Hawaii	266	428	313	504
Maui	120	193	149	240
Kahoolawe	29	47	36	58
Lanai	47	76	52	84
Molokai	88	142	106	171
Oahu	112	180	209	336
Kauai	90	145	110	177
Niihau	45	72	50	80
Kaula	2	3	2	3
Northwestern Hawaiian Islands 5/	25	40	25	40
Nihoa	3	5	3	5
Necker Island	2	3	2	3
French Frigate Shoals	6	10	6	10
Laysan Island	6	10	6	10
Lisianski Island	3	5	3	5
Kure Atoll	5	8	5	8

1/ Figures are lengths of general outline of seacoast. Data for the four islands of Maui County are not consistent with the reported county total.

2/ Shoreline of outer coast, offshore islands, bays, rivers, and creeks is included to the head of tidewater or to a point where tidal waters narrow to a width of 100 feet.

3/ Derived from data expressed in statute miles; independently rounded and accordingly may not add exactly to indicated totals and subtotals. 1 mi. = 1.609 km.

4/ Data are not available for five minor islands: Molokini, Lehua, Gardner Pinnacles, Maro Reef, and Pearl and Hermes Atoll.

5/ Excludes the Midway Islands, which are part of the Hawaiian Archipelago but not legally part of the State of Hawaii. Midway has a general coastline of 20 miles and a tidal shoreline of 33 miles.

Source: U.S. Department of Commerce, National Ocean Survey, *The Coastline of the United States* (1975) and records.

**Table 5.06-- LAND AND WATER AREA WITHIN
THE FISHERY CONSERVATION ZONE**

[Land and water area within the 200 nautical mile Fishery Conservation Zone surrounding the
Hawaiian Archipelago]

Unit	Total area	Land area	Water area
Square nautical miles	634,023	4,852	629,171
Square statute miles	839,623	6,425	833,198
Square kilometers	2,174,626	16,641	2,147,985

Source: Marine Surveys and Maps, National Ocean Survey, U.S. Department of Commerce, National Oceanic and Atmospheric Administration, information supplied September 15, 1978.

Table 5.07-- LAND AREA OF COUNTIES: 2000

[See maps on pages 6 and 7]

Measurement unit and type of area	State total	Hawaii	Maui	Kalawao	Honolulu	Kauai
Square miles	6,422.6	4,028.0	1,159.2	13.2	599.8	622.4
Square kilometers	16,634.5	10,432.5	3,002.3	34.2	1,553.4	1,612.1

Source: U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File, and unpublished records.

Table 5.08-- LAND AREA OF ISLANDS: 2000

Island	Square miles	Square kilometers
STATE OF HAWAII	6,423.4	16,634.5
Hawaii	4,028.0	10,432.5
Maui	727.2	1,883.5
Molokini	0.036	0.093
Kahoolawe	44.6	115.5
Lanai	140.5	364.0
Molokai	260.0	673.4
Oahu	596.7	1,545.3
Kauai	552.3	1,430.4
Niihau	69.5	179.9
Lehua	0.444	1.149
Kaula	0.247	0.640
Northwestern Hawaiian Islands 1/	3.108	8.049
Niihoa	0.271	0.701
Necker Island	0.071	0.183
French Frigate Shoals	0.096	0.249
Gardner Pinnacles	0.009	0.024
Maro Reef	Awash	Awash
Laysan Island	1.588	4.114
Lisianski Island	0.601	1.556
Pearl and Hermes Atoll	0.139	0.359
Kure Atoll	0.333	0.862

1/ Exclusive of the Midway Islands, which are part of the Hawaiian Archipelago but not legally part of the State of Hawaii.

Source: U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File, and unpublished records.

Table 5.09-- MAJOR AND MINOR ISLANDS IN THE HAWAIIAN ARCHIPELAGO

Classification	Number of islands		Land area (square miles)
	Total	Inhabited, 1990 1/	
All named islands	137	12	6,427.0
Major islands	8	7	6,419.4
Named minor islands 2/	129	5	7.6
Offshore of major islands	96	3	2.6
Northwestern Hawaiian Islands 3/	33	2	4.9
Part of State	28	1	2.9
Not part of State (Midway Islands)	5	1	2.0

1/ For populations, see present volume, table 1.05.

2/ For individual data, see DPED Report GN-6, pp. 3-7.

3/ Includes individual islets in the 10 Northwestern Hawaiian Islands.

Source: Hawaii State Department of Planning and Economic Development, *Geographic Names Approved, Second Quarter 1969* (Report GN-6, July 8, 1969), p. 8; *Data Book 1986*, table 152.

Table 5.10-- AREA AND DEPTH OF SELECTED CRATERS

Island and crater	Area (acres)	Maximum depth (feet)
Hawaii:		
Kilauea Caldera	2,319	476
Mokuaweoweo Crater 1/	2,221	572
Maui:		
Haleakala Crater 2/	12,575	3,028
Oahu:		
Diamond Head Crater	255	562
Koko Crater	133	968
Punchbowl Crater	62	140

1/ Data exclude North and South Pits.

2/ Data exclude Koolau and Kaupo Gaps.

Source: Measured from U.S. Geological Survey maps by the Hawaii State Department of Business, Economic Development & Tourism.

Table 5.11-- ELEVATIONS OF MAJOR SUMMITS

[Elevation of the highest point on each island and other important peaks]

Island and summit	Feet	Meters
Hawaii:		
Mauna Kea 1/	13,796	4,205
Mauna Loa	13,679	4,169
Hualalai	8,271	2,521
Kaumu o Kaleihoohie	5,480	1,670
Kilauea (Uwekahuna)	4,093	1,248
Kilauea (Halemaumau Rim)	3,660	1,116
Kahoolawe:		
Puu Moaulanui	1,483	452
Puu Moaulaiki	1,434	437
Molokini	160	49
Maui:		
Haleakala (Red Hill)	10,023	3,055
Haleakala (Kaupo Gap)	8,201	2,500
Puu Kukui	5,788	1,764
Iao Needle	2,250	686
Lanai:		
Lanaihale	3,366	1,026
Molokai:		
Kamakou	4,961	1,512
Olokui	4,606	1,404
Kalaupapa Lookout	1,600	488
Mauna Loa (Kukui)	1,430	436
Oahu:		
Kaala	4,003	1,220
Puu Kalena	3,504	1,068
Konahuanui	3,150	960
Tantalus	2,013	614
Olomana	1,643	501
Koko Crater (Kohelepelepe)	1,208	368
Nuuanu Pali Lookout	1,186	361
Diamond Head	760	232
Koko Head	642	196
Punchbowl	500	152

Continued on next page.

Table 5.11-- ELEVATIONS OF MAJOR SUMMITS -- Con.

Island and summit	Feet	Meters
Kauai:		
Kawaikini	5,243	1,598
Waialeale	5,148	1,569
Kalalau Lookout	4,120	1,256
Haupu	2,297	700
Sleeping Giant (Nonou)	1,241	378
Niihau:		
Paniau	1,250	381
Lehua	699	213
Kaula	548	167
Nihoa:		
Millers Peak	903	275
Necker Island:		
Summit Hill	276	84
French Frigate Shoals:		
La Perouse Pinnacles	120	37
Gardner Pinnacles	190	58
Maro Reef	Awash	Awash
Laysan Island	40	12
Lisianski Island	40	12
Pearl and Hermes Atoll	10	3
Midway Islands	12	4
Kure Atoll	20	6

1/ According to the *1995 Guinness Book of Records* (p. 147), "The world's tallest mountain measured from its submarine base (3,280 fathoms) in the Hawaiian Trough to its peak is Mauna Kea ... with a combined height of 33,480 ft., of which 13,796 ft. are above sea level."

Source: Hawaii State Department of Accounting and General Services, Survey Division, data provided April 21, 1992; U.S. National Cartographic Information Center, data provided October 11, 1978; U.S. Geological Survey topographic maps, 1981-1984; Hawaiian Government Survey (for Nihoa and Molokini); U.S.S. Tanager survey, 1923 (for Necker Island, French Frigate Shoals, Laysan, Lisianski, Pearl and Hermes Atoll and Kure Atoll.)

Table 5.12-- MAJOR NAMED WATERFALLS, BY ISLANDS

Island	Waterfall	Height (feet)		Horizontal distance (feet)
		Sheer drop	Cascade	
Hawaii	Kaluahine	...	620	400
	Akaka	442	...	...
	Waiilikahi	320	...	6
Maui	Honokohau	...	1,120	500
	Waihiumalu	...	400	150
Molokai	Kahiwa	...	1,750	1,000
	Papalaua	...	1,200	500
	Waialele	...	500	150
Oahu	Kaliuwaa (Sacred)	1/ 80	1,520	3,000
Kauai	Waipoo (2 falls)	...	800	600
	Awini	...	480	500
	Hinalele	280	...	...
	Wailua	200	...	...

1/ Refers to northernmost fall of a cascade of six falls.

Source: U.S. Geological Survey, records; Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; "Tall Falls", *The Honolulu Advertiser*, June 25, 1995, pp. A17 and A20.

Table 5.13-- MAJOR STREAMS, BY ISLANDS

Island	Feature or stream	Length or average discharge
Longest water feature (miles):		
Hawaii	Wailuku River	32.0
Maui	Kalialinui-Waiale Gulch	18.0
Kahoolawe	Ahupu Gulch	4.0
Lanai	Maunalei-Waialala Gulch	12.9
Molokai	Wailau-Pulena Stream	6.5
Oahu	Kaukonahua Stream (So. Fork)	33.0
Kauai	Waimea River-Poomau Stream	19.5
Niihau	Keanaulii-Puniopo Valley	5.9
Largest perennial stream (miles): 1/		
Hawaii	Wailuku River	22.7
Maui	Paliaka Stream	7.8
Molokai	Wailau-Pulena Stream	6.5
Oahu	Kaukonahua Stream	30.0
Kauai	Waimea River	19.7
Streams with greatest average discharge 2/ (million gal./day):		
Hawaii	Wailuku River	250
Maui	Iao Stream	43
Molokai	Wailau Stream	30
Oahu	Waikele Stream	3/ 27
Kauai	Hanalei River	140

1/ Estimated on basis of drainage area rather than stream runoff. Other major streams include Wailoa River, Hawaii (1/2-mile long); Honokohau Stream (9.4 miles long) and Iao Stream (5), both on Maui; Halawa Stream (6.4), Waikolu Stream (4.7), and Pelekunu (2.3), all on Molokai; Waikele Stream (15.3), Kipapa Stream (12.8), Waiakakalaua Stream (11.8), Nuuanu Stream (4), and Ala Wai Canal (1.9), all on Oahu; and the Makaweli River (15.1), Wainiha River (13.8), Hanapepe River (13.3), and Wailua River (11.8), all on Kauai.

2/ Most recent available year.

3/ Most of discharge is from nearby groundwater outflow.

Source: Longest water feature from U.S. Geological Survey, records; other data from Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records.

Table 5.14-- LAKES AND LAKE-LIKE WATERS, BY ISLANDS

Island and lake	Type	Elevation (feet)	Area 1/ (acres)	Maximum depth (feet)
Hawaii:				
Green Lake	Lake	3	2	20
Lake Waiiau 2/	Lake	13,020	2	10
Waiakea Pond	Tidal pond	(SL)	27	7
Maui:				
Kanaha Pond	Marsh	(SL)	41	3
Kealia Pond	Marsh	(SL)	500	(NA)
Waieleele	Pond	6,690	0.5	21
Molokai:				
Kauhako	Pool	(SL)	0.9	814
Kualapuu Reservoir	Reservoir	821	100	50
Meyer Lake	Impoundment	2,021	6-10	5
Oahu:				
Ho'omaluhia	Reservoir	202	90	90
Kaelepulu Pond	Lake	(SL)	198	(NA)
Kawainui Marsh	Marsh	(SL)	1,000	(NA)
Wahiawa Reservoir	Reservoir	842	302	85
Kauai:				
Nomilu Fishpond	Pond	(SL)	20	66
Waita Reservoir	Reservoir	241	424	23
Niihau:				
Halalii Lake	Playa	(SL)	841-865	(NA)
Halulu Lake	Playa	(SL)	182-371	(NA)
Laysan:				
Laysan Lagoon	Closed lagoon	(SL)	161	16

NA Not available.

SL Sea level.

1/ Ranges shown for Meyer Lake, Halalii Lake, and Halulu Lake reflect differences in estimates between sources.

2/ Highest lake in the State and third highest in the United States.

Source: J.A. Maciolek, *Lakes and Lake-like Waters of the Hawaiian Archipelago* (Bernice P. Bishop Museum, Occasional Papers, Vol. XXV, No. 1, April 30, 1982); *Data Book 1992*, table 143; Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, May 18, 1994.

Table 5.15-- LENGTH AND WIDTH OF SELECTED BEACHES

[Includes the longest white sand beach on each inhabited island, plus other important beaches]

Island and beach	Length (miles)	Width 1/ (feet)
Hawaii: Hapuna	0.5+	200+
Maui: Spreckelsville	2+	(NA)
Kaanapali	1.5	60-80
Lanai: Polihua	1.5+	(NA)
Molokai: Papohaku	2+	300
Oahu: Waikiki	2	(NA)
Waimanalo	3.5-4.5	(NA)
Sunset	2-3+	200
Kauai: Polihale to Kekaha	15	300
Polihale	3	300
Niihau: Keawanui	3.5	175

NA Not available.

1/ Summer averages. Many beaches in Hawaii are seasonally reduced in width by winter storms.

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's Shoreline* (1965), pp. 33, 47, 55, 62, 68, and 100; John R. K. Clark, *Beaches of the Big Island* (1985), p. 132, *The Beaches of Maui County* (1980), pp. 10, 62, 84-85, and 114, *The Beaches of O'ahu* (1977), pp. 45, 125, and 177, and *Beaches of Kaua'i and Ni'ihau* (1990), pp. 48-49 and 84.

Table 5.16-- MISCELLANEOUS GEOGRAPHIC STATISTICS, BY ISLAND

Island	Extreme length (miles)	Extreme width (miles)	Miles of sea cliffs with heights 1,000 ft. or more 1/	Miles from coast of most remote point	Percent of area within 5 miles of coast
State total	...	...	33	28.5	48.6
Hawaii	93	76	4	28.5	30.0
Maui	48	26	-	10.6	76.1
Kahoolawe	11	6	-	2.4	100.0
Lanai	18	13	1	5.2	100.0
Molokai	38	10	14	3.9	100.0
Oahu	44	30	-	10.6	79.0
Kauai	33	25	11	10.8	65.0
Niihau	8	6	3	2.4	100.0
	Percent of area with elevation --			Percent of area with slope --	
	Less than 500 feet	2,000 feet or more	Approximate mean altitude (feet)	Less than 10 percent	20 percent or more
State total	20.8	50.9	3,030	63.5	17.0
Hawaii	12.0	68.4	3,950	76.0	4.0
Maui	24.9	41.4	2,390	38.5	36.0
Kahoolawe	38.9	0.0	600	60.0	9.0
Lanai	24.8	6.3	1,140	61.0	16.0
Molokai	37.3	17.8	1,150	53.0	26.0
Oahu	45.3	4.6	860	42.5	45.5
Kauai	35.6	24.0	1,380	33.5	50.5
Niihau	78.2	0.0	530	68.0	12.5

1/ According to Lee S. Motteler, Geography and Map Division, Bernice P. Bishop Museum, the sea cliffs along the northeastern coast of Molokai between Umilehi Point and Puukaoku Point drop 3,250 feet at an average slope of 58 degrees. These cliffs have been described by *The Guinness Book of Records* (1995 edition, p. 154) as "the highest sea cliffs in the world."

Source: Hawaii State Department of Planning and Economic Development, *Hawai'i the Natural Environment* (1974), p. 19; U.S. Department of the Interior, Geological Survey, *Elevations and Distances in the United States* (1978), pp. 4-5.

Table 5.17-- VOLCANIC ERUPTIONS: 1969 TO 1999

[Four volcanoes have erupted in historical times: Haleakala, last active around 1790; Hualalai, last active in 1800-1801; and Kilauea and Mauna Loa, both active in recent years and included in this table. Complete through December 31, 1999]

Volcano and date of outbreak	Repose period since previous eruption (months)	Duration (days)	Location 1/	Elevation (meters)	Area (square km.)	Volume (mil. cubic meters)
Mauna Loa:						
1975: July 5	301	<1	S	3,900	13.5	30.0
1984: March 25	104	22	S, ER	4,030-2,870	28.5	176.0
Kilauea:						
1969: Feb. 22	4.0	6	ER	930-870	6.0	16.1
May 24	2.0	874	ER	940	50.0	185.0
1971: Aug. 14	-	<1	C	1,100-1,080	3.1	9.1
Sept. 24	-	5	C, SWR	1,120-820	3.9	7.7
1972: Feb. 3	4.3	900	ER	940	46.0	162.0
1973: May 5	-	<1	ER	1,000-980	0.3	1.2
Nov. 10	-	30	ER	980-870	1.0	2.7
1974: July 19	-	3	C, ER	1,080-980	3.1	6.6
Sept. 19	2.0	<1	C	1,100	1.0	10.2
Dec. 31	3.4	<1	SWR	1,080	7.5	14.3
1975: Nov. 29	11.0	<1	C	1,080-1,060	0.3	0.2
1977: Sept. 13	21.5	18	ER	620-480	7.8	32.9
1979: Nov. 16	26.3	1	ER	980-960	0.3	0.6
1982: April 30	29.5	<1	C	1,080	0.3	0.5
Sept. 25	4.8	<1	C	1,080	0.8	3.0
1983: Jan. 3 2/	3.3	6,206	ER	780-650	105.5	1,893.8

1/ C, caldera; ER, east rift; S, summit; SWR, southwest rift.

2/ Still in progress. There have been 55 separate episodes, they destroyed 181 housing units and added 205 hectares to the area of the island.

Source: Gordon A. Macdonald, Agatin T. Abbott, and Frank L. Peterson, *Volcanoes in the Sea*, 2nd ed. (1983), pp. 64-65 and 80-81; U.S. Geological Survey, Hawaiian Volcano Observatory, records; and <http://hvo.wr.usgs.gov/>.

Table 5.18-- MAJOR EARTHQUAKES: 1838 TO 2000

[Includes all earthquakes with magnitudes of 6.0 or greater, 1838 to 1983, and 5.0 or greater, 1984 to 1999. Except for the earthquake of April 2, 1868, magnitudes of earthquakes prior to 1929 are conjectural. Complete through July 10, 2001]

Date and time (HST)	Location	Magnitude (Richter scale)
1838: December 12	Hawaii	6.0
1841: April 7	Hawaii	6.0
1852: March 31	Hawaii	6.0
1868: March 28	Hawaii	6.5
April 2	Hawaii	7.5
1871: February 19	Molokai or Maui	6.5
1875: November 23	Hawaii	6.0
1887: January 24	Hawaii	6.0
1913: October 25	Hawaii	6.5
1918: November 1	Hawaii	6.5
1919: September 14	Hawaii	6.5
1929: October 5	Hawaii	6.5
1938: January 23	N. of Pauwela Point, Maui	6.75
1940: June 17	Hawaii	6.0
1941: September 28	Hawaii	6.0
1950: May 30	Hawaii	6.25
1951: April 23	Hawaii	6.5
August 21	Hawaii	6.9
1952: May 23	Hawaii	6.0
1954: March 30	Hawaii	6.0
March 30	Hawaii	6.5
1961: September 25	Hawaii	5.75-6
1962: June 28	Hawaii	6.1
1973: April 26	Honomu, Hawaii	6.2
1975: Nov. 29, 4:47 AM	Puna, Hawaii	7.2
1983: Nov. 16, 6:13 AM	S.E. flank of Mauna Loa	6.7
1984: June 8, 5:34 PM	80 miles S. of Honolulu	5.3
1986: April 26, 7:19 AM	28 miles N.E. of Maui	5.1
1987: Feb. 3, 4:22 PM	26 miles S. of Kahoolawe	5.0
1989: June 25, 5:27 PM	Kalapana area	6.1
1994: Feb. 1, 12:01 AM	Offshore, 12 miles S. of Kilauea	5.2
1997: June 30, 5:47 AM	5 miles W. of Kalapana	5.2
1999: April 16, 2:56 PM	4 miles N. of Pahala	5.6
2000: April 1, 8:18 PM	7 miles S.E. of Kilauea Summit	5.0

Source: Augustine S. Furumoto, N. Norby Nielsen, and William R. Phillips, *A Study of Past Earthquakes, Isoleismic Zones of Intensity and Recommended Zones for Structural Design for Hawaii* (University of Hawaii, Center for Engineering Research, Engineering Bulletin, June 15, 1972); information supplied by Wm. Mansfield Adams and Augustine S. Furumoto, Institute of Geophysics, University of Hawaii; Hawaii Institute of Geophysics, records; U.S. Geological Survey, National Earthquake Information Service; U.S. Geological Survey, Hawaiian Volcano Observatory, records. <http://hvo.wr.usgs.gov/earthquakes/felt/currEQ.html>.

Table 5.19-- EARTHQUAKES WITH HONOLULU INTENSITIES OF V OR GREATER: 1859 TO 1999

[Complete through December 31, 1999]

Date	Epicentral location	Magnitude (Richter scale)	Honolulu average intensity (Modified Mercalli Scale 1/)
1861: Dec. 5	Molokai-Lanai vic. (?)	(NA)	Mid V
Dec. 15	Molokai-Lanai vic. (?)	(NA)	Lower V - mid V
1868: Apr. 2	SE coast of Hawaii	7.5	Upper IV - lower V
Apr. 4	Maui group vicinity (?)	(NA)	Lower V
1871: Feb. 19	S coast of Lanai	7.0	Upper VI - lower VII
1895: Dec. 8	Oahu vicinity (?)	(NA)	Mid V
1926: Mar. 19	N of Kohala, Hawaii	(NA)	Upper IV - lower V
1929: Oct. 5	W of Kona, Hawaii	6.5	Lower V
1938: Jan. 22	N of Maui	6.8	Upper V - lower VI
1948: June 28	S coast of Oahu	4.8	Mid VI
1964: Oct. 11	Ka Lae, Hawaii	5.5	Upper IV - lower V
1973: Apr. 26	Hamakua coast, Hawaii	6.2	Mid V
1981: Mar. 5	Kalohi Channel	5.0	Mid V

NA Not available.

1/ Modified Mercalli Scale of 1931, 1956 abridged version further simplified. This scale, which extends from I to XII, reads in part:

IV. Hanging objects swing. Vibration like passing of heavy trucks or sensation of a jolt. Standing autos rock. Windows, dishes, doors rattle. Crockery clashes. In the upper part of range wooden construction creaks.

V. Felt outdoors; direction estimated. Sleepers wakened. Liquids distributed, some spilled. Small unstable objects displaced or upset. Doors, shutters, pictures swing. Pendulum clocks stop.

VI. Felt by all. Many frightened, run outdoors. Persons walk unsteadily. Windows, dishes, glassware broken. Knickknacks, books thrown off shelves, pictures off walls. Furniture moved, overturned. Weak plaster and masonry cracked. Small bells ring. Trees, bushes noticeably shaken.

VII. Difficulty in standing. Noticed by drivers of autos. Hanging objects quiver. Furniture broken. Damage to weak masonry. Weak chimneys broken at roof line. Fall of plaster, loose bricks, etc. Some cracks in ordinary masonry. Waves on ponds. Small slides on sand and gravel banks. Large bells ring. Irrigation ditches damaged.

Source: Doak C. Cox, "Earthquake Experience in Honolulu", *The Hawaiian Journal of History*, Vol. 21 (1987), pp. 98-109; U.S. Geological Survey, Hawaiian Volcano Observatory, records.

**Table 5.20-- TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE:
1819 TO 1999**

[Complete through December 31, 1999]

Date	Place of observation	Maximum height in Hawaii 1/		Deaths in Hawaii	Damage in Hawaii
		Meters	Feet		
1819: April 12 2/	W. Hawaii	2.0	7	-	Unknown
1837: Nov. 7	Hilo	6.0	20	16	200 houses
1841: May 17	Hilo	4.6	15	-	Unknown
1868: April 2	Ka'u	12.2	40	47	Great locally
Aug. 14	Hilo	4.6	15	-	Severe
1869: Aug. 24	S.E. Puna	9.1	30	-	Some
1877: May 10	Hilo	4.9	16	5	Severe; \$14,000
1878: Jan. 20	N. Oahu	3.0	10	-	Some houses
1896: June 15	Kona	9.1	30	-	Unknown
1906: Jan. 31	Hilo	3.6	12	-	None
Aug. 16	Maalaea	3.6	12	-	Some
1919: April 9	S. Kona	4.3	14	-	None
April 30	Ka'u	4.2	14	-	None
1922: Nov. 11	Hilo	2.1	7	-	Minor
1923: Feb. 4	Hilo	6.1	20	1	Severe; \$1,500,000
1924: May 30	Lanai	5.0	16	-	Great locally
1933: March 2	Kona	2.9	10	-	Some
1946: April 1	N.E. Hawaii	17.0	56	159	\$26,000,000
1952: Nov. 4	Hawaii	6.1	20	-	\$800,000-1,000,000
1957: March 9	Haena	16.0	52	1	\$5,000,000
1960: May 22	Hilo	10.5	34	61	\$23,000,000
1964: March 27	N. Oahu	4.8	16	-	\$67,590
1975: Nov. 29	Ka'u	14.6	48	2	\$1,500,000

1/ Data before 1946 are approximate and probably low in many cases.

2/ Earliest tsunami for which definite information exists. A tsunami observed at Ho'okena in 1813 or 1814 may have exceeded two meters.

Source: George Pararas-Carayannis, *Catalog of Tsunamis in the Hawaiian Islands* (U.S. Coast and Geodetic Survey, May 1969); Harold G. Loomis, *The Tsunami of November 29, 1975 in Hawaii* (Hawaii Institute of Geophysics, December 1975), pp. 1 and 10; D.C. Cox and J. Morgan, *Local Tsunamis and Possible Local Tsunamis in Hawaii* (Hawaii Institute of Geophysics, Report HIG 77-14, November 1977); Doak C. Cox, *Tsunami Casualties and Mortality in Hawaii* (University of Hawaii, Environment Center, June 1987), p. 39; U.S. Geological Survey, Hawaiian Volcano Observatory, records.

Table 5.21-- MAJOR DAMS: 1994

Name	Location	Height (ft.)	Length (ft.)	Volume of water impounded (acre-ft.)
Wahiawa Dam	Wahiawa, Oahu	98	460	7,761
Waita	Koloa, Kauai	28	3,250	6,500
Kualapuu	Kualapuu, Molokai	58	7,100	4,265
Alexander Dam	Kalaheo, Kauai	119	600	2,500
Ho'omaluhia Dam	Luluku, Oahu	132	2,200	2,500
Nuuanu No. 4	Honolulu, Oahu	73	1,730	1,420
Waimanalo Dam	Waimanalo, Oahu	62	2,118	182

Source: Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records.

Table 5.22-- FRESH WATER USE, BY TYPE, BY ISLANDS: 1995

[Million gallons per day]

Use	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai	Niihau 1/
Total	981.44	108.52	356.06	3.44	9.33	264.23	239.86	-
Ground water	498.34	104.14	120.18	3.44	4.77	227.85	37.96	-
Domestic	133.06	17.17	19.60	0.52	1.48	86.39	7.90	-
Agricultural	180.49	12.63	88.85	1.95	3.18	52.59	21.29	-
Industrial	25.38	0.33	2.27	0.01	0.01	17.27	5.49	-
Thermoelectric	67.34	67.34	-	-	-	-	-	-
Commercial	92.07	6.67	9.46	0.96	0.10	71.60	3.28	-
Surface water	483.10	4.38	235.88	-	4.56	36.38	201.90	-
Domestic	1.33	1.33	-	-	-	-	-	-
Agricultural	481.30	3.05	235.47	-	4.50	36.38	201.90	-
Industrial	0.05	-	-	-	0.05	-	-	-
Thermoelectric	-	-	-	-	-	-	-	-
Commercial	0.42	-	0.41	-	0.01	-	-	-

1/ 1995 water-use data for Niihau not compiled.

Source: Data compiled by the U.S. Geological Survey and provided by the Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records.

Table 5.23-- WATER SERVICES AND CONSUMPTION, FOR COUNTY WATERWORKS: 1998 TO 2000

[Services as of June 30; consumption during the year ending June 30]

Geographic area	Number of services			Consumption (million gallons)		
	1998	1999	2000	1998	1999	2000
State total	233,043	235,583	238,446	73,301	76,610	76,401
City and County of Honolulu	153,649	2/ 154,576	155,935	49,265	51,614	51,020
Honolulu District 1/	61,205	2/ 61,261	61,406	24,587	25,156	24,077
Rest of Oahu	92,444	2/ 93,315	94,529	24,678	26,458	26,943
Hawaii County	33,716	34,254	35,084	8,159	8,076	8,353
Kauai County	16,958	17,420	17,677	4,148	4,373	4,309
Maui County	28,720	29,333	29,750	11,729	12,547	12,719
Maui	27,205	27,809	28,217	11,387	12,199	12,388
Molokai	1,515	1,524	1,533	342	348	331

1/ Maunaloa to Moanalua.

2/ Revised.

Source: Data compiled by Hawaii State Department of Business, Economic Development & Tourism from City and County of Honolulu Board of Water Supply, County of Hawaii Department of Water Supply, County of Kauai Department of Water, and County of Maui Department of Water Supply.

Table 5.24-- HAZARDOUS WASTE SITES: 1995 TO 1999

[Includes both proposed and final sites listed on the National Priorities List for the Superfund Program]

Subject	1995	1996	1997	1998	1999
Number of sites	4	4	4	4	1/ 4
Rank (among the 50 states)	45	45	45	45	45

1/ The United States total was 1,260 sites, including one site in the District of Columbia.

Source: Data from the U.S. Environmental Protection Agency, as cited in *Statistical Abstract of the United States* for 1996 (p. 238), 1997 (p. 238), 1998 (p. 246), 1999 (p. 250), and 2000 (p. 240).

**Table 5.25-- WATER QUALITY AT PUBLIC BEACHES, BY ISLANDS:
1999 AND 2000**

Island	Number of locations	Number of samples	Enterococci density 1/			
			Lowest 2/	Highest 3/	Number over 7	Mean 4/
1999						
State total	105	3,158	0.3	872.3	21	2.2
Hawaii	22	618	0.3	14.5	3	1.8
Hilo Shoreline	11	313	0.5	7.9	1	2.6
Kona Shoreline	11	305	0.3	14.5	2	1.2
Maui	25	945	0.5	3.9	-	1.2
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	39	1,042	0.4	872.3	11	2.7
Kauai	19	553	0.9	139.7	7	4.4
2000						
State total	64	1,910	0.3	101.3	7	2.3
Hawaii	12	259	0.3	22.0	2	1.5
Hilo Shoreline	6	106	0.3	22.0	2	3.1
Kona Shoreline	6	153	0.5	5.1	-	1.0
Maui	18	419	0.3	7.7	1	1.6
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	18	681	0.8	26.9	1	2.5
Kauai	16	551	0.4	101.3	3	3.3

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density is 7 per 100 ml.

2/ The lowest average value in 1999 was reported at Kona Coast Park on the island of Hawaii. The lowest average value in 2000 was reported at multiple beaches on the islands of Hawaii and Maui.

3/ The highest average value in 1999 was that reported for the Ala Wai Canal at the McCully Street Bridge on Oahu. The highest average value in 2000 was that reported for Hanamaulu Beach on Kauai.

4/ Not weighted by number of samples.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.26-- WATER QUALITY AT SELECTED PUBLIC BEACHES:
1999 AND 2000**

Island and beach	Number of samples		Enterococci density 1/	
	1999	2000	1999	2000
Hawaii:				
Hapuna Beach	38	-	0.5	(X)
Kahaluu Beach	39	2	3.7	5.1
Kealakekua Bay (off curio stand)	-	-	(X)	(X)
Hilo Bay (Mooheau Park)	-	-	(X)	(X)
Spencer Beach Park	46	35	2.6	1.3
Maui:				
Kapalua (Fleming) Beach (north)	48	31	1.0	1.0
Kihei (north)	-	-	(X)	(X)
Makena Beach	-	-	(X)	(X)
Seven Pools	3	3	0.5	0.3
Sheraton Kaanapali (shoreline)	39	-	0.8	(X)
Lanai:				
Hulopoe Bay	-	-	(X)	(X)
Molokai:				
Kaunakakai Harbor	-	-	(X)	(X)
Oahu:				
Ala Moana Park (center)	4	40	9.7	2.1
Ewa Beach Park	7	11	0.8	3.5
Haleiwa Beach	25	49	3.0	2.2
Hanauma Bay	49	51	4.2	1.5
Kailua Beach Park	50	51	1.9	3.2
Kuhio Beach	49	48	8.7	4.9
Makaha Beach	-	-	(X)	(X)
Waimea Beach	41	-	3.2	(X)
Kauai:				
Anini Park Pavilion	43	13	1.6	14.3
Kalapaki Beach (middle)	50	50	4.7	6.1
Kekaha (Oomano Point)	-	-	(X)	(X)
Poipu Beach Pavilion	43	35	1.4	1.1
West of Lydgate Park (wading pool)	50	51	1.2	2.4

X Not applicable.

1/ Geometric mean, number per 100 ml. The geometric mean standard for Enterococci density is 7 per 100 ml.

Source: Hawaii State Department of Health, Clean Water Branch, records.

**Table 5.27-- REFUSE AND SEWAGE STATISTICS FOR OAHU:
1990 TO 2000**

[Years ended June 30]

Year	Tons of municipal solid waste delivered 1/			Sewage treated 2/ (millions of gallons)
	Total	City and County refuse vehicles	Other vehicles	
1990	825,058	276,178	548,880	41,763
1991	1,015,842	293,857	721,985	44,484
1992	1,049,647	331,269	718,378	42,705
1993	1,023,113	322,901	700,212	42,415
1994	1,017,367	331,602	685,765	42,756
1995	1,017,709	325,381	692,328	43,175
1996	959,793	288,057	671,736	41,403
1997	945,081	302,078	643,003	42,616
1998	861,851	295,117	566,714	41,289
1999	830,035	284,007	546,028	40,750
2000	868,588	298,207	570,381	41,444

Year	Sewage pumped 2/ (millions of gallons)	Miles of sewers 2/	City and County pump stations	City and County treatment plants
1990	50,858	1,828	62	13
1991	52,849	1,859	64	13
1992	53,290	1,890	65	12
1993	52,480	1,914	67	11
1994	53,298	1,945	69	8
1995	53,088	1,893	64	8
1996	52,114	1,910	65	8
1997	54,197	1,940	63	8
1998	50,605	1,940	64	8
1999	49,379	1,970	65	8
2000	49,623	2,230	65	8

1/ Excludes small landfill controlled by armed forces.

2/ Data limited to system maintained by the City and County of Honolulu, Department of Environmental Services.

Source: City and County of Honolulu, Department of Environmental Services.

Table 5.28-- AIR QUALITY IN DOWNTOWN HONOLULU: 1988 TO 2000

[Annual arithmetic means, in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), for particulate matter 10 microns or less in diameter (PM_{10}) and in parts per million (ppm) for carbon monoxide (CO).

Sampling is conducted about 46 feet above ground on the roof of the State Health Department building (Kinau Hale), 1250 Punchbowl Street, Honolulu, Hawaii]

Year	PM_{10} ($\mu\text{g}/\text{m}^3$) 1/	CO (ppm) 2/	Year	PM_{10} ($\mu\text{g}/\text{m}^3$) 1/	CO (ppm) 2/
1988	-	1.7	1995	14	0.8
1989	-	1.8	1996	14	0.8
1990	-	1.5	1997	8	0.8
1991	-	1.7	1998	9	0.8
1992	-	1.6	1999	14	0.6
1993	13	1.8	2000	14	0.7
1994	14	0.8			

1/ The State and Federal Ambient Air Standard for PM_{10} annual average is $50 \mu\text{g}/\text{m}^3$.

2/ There is no annual standard for CO. The State Ambient Air Standard for 1-hour CO is $9 \text{ ppm}/\text{m}^3$ and the Federal standard is $35 \text{ ppm}/\text{m}^3$.

Source: Hawaii State Department of Health, Clean Air Branch, records.

Table 5.29-- AIR QUALITY AT SPECIFIED LOCATIONS: 2000

[24-hour average, in micrograms per cubic meter]

Sampling station	PM ₁₀ 2/			Sulfur dioxide 4/		
	Annual range		Annual arithmetic average	Annual range		Annual arithmetic average
	Minimum	Maximum		Minimum	Maximum	
Oahu:						
Downtown Honolulu	7	83	14	-	9	1
Liliha	7	65	15	...	...	...
Pearl City	7	3/ 164	16	...	...	...
Kapolei	7	148	17	-	6	1
Makaiwa	...	...	...	-	20	3
West Beach 1/	3	41	14	-	4	1
Waimanalo 1/	3	35	17	...	...	...
Kauai:						
Lihue 1/	8	39	18	...	...	...

1/ Manual PM₁₀ samplers operated for 24 hours, once every 6 days in accordance with EPA guidelines.

2/ The State and Federal Ambient Air Standard for 24-hr PM₁₀ is 150 $\mu\text{g}/\text{m}^3$.

3/ Occurred on January 1, 2000 probably due to fireworks.

4/ The State and Federal Ambient Air Standard for 24-hr SO is 365 $\mu\text{g}/\text{m}^3$.

Source: Hawaii State Department of Health, Clean Air Branch, records.

Table 5.30-- TOXICS RELEASE INVENTORY: REPORTING YEAR 1999

[On-site and off-site releases in thousands of pounds]

Industry sector and facility	Releases 1/
All sectors	2,575
Electricity generators	2,116
Manufacturing and federal facilities	401
Petroleum bulk terminals	58
Chemical wholesalers	.005
Hazardous waste disposal	-
Mining (coal, metal)	-
Top five facilities	1,861
Kahe Generating Station	852
Waiiau Generating Station	337
Hawaii Electric Light Co., Hill Generating Station	280
Kahului Generating Station	230
Chevron	162

1/ Release is defined as the amount of a toxic chemical released on site (to air, water, underground injection, landfills and other land disposal), and the amount transferred off-site for disposal.

Source: U.S. Environmental Protection Agency, "Hawaii Report: 1999 Toxics Release Inventory," *Hawaii Toxics Release Inventory Fact Sheet* (April 2001).

**Table 5.31-- ATMOSPHERIC CARBON DIOXIDE MEASUREMENTS AT
MAUNA LOA: ANNUAL MEAN VALUES, 1958 TO 2000**

[Parts per million]

Year	Annual average	Year	Annual average	Year	Annual average
1958	1/ 315.17	1972	327.26	1986	347.21
1959	315.83	1973	329.45	1987	348.98
1960	316.75	1974	1/ 329.72	1988	351.34
1961	317.49	1975	3/ 331.14	1989	352.89
1962	318.30	1976	332.04	1990	354.26
1963	318.83	1977	333.79	1991	355.45
1964	2/ 319.04	1978	335.35	1992	356.20
1965	319.87	1979	336.73	1993	356.90
1966	321.21	1980	338.72	1994	358.70
1967	322.02	1981	340.12	1995	360.62
1968	322.83	1982	341.21	1996	362.40
1969	323.93	1983	342.87	1997	363.54
1970	325.27	1984	344.48	1998	366.60
1971	326.17	1985	345.85	1999	4/ 368.29
				2000	5/ 369.60

1/ Based on data for 8 months.

2/ Based on data for 9 months.

3/ Based on data for 11 months.

4/ Revised.

5/ Preliminary.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Climate Monitoring and Diagnostics Laboratory, records; National Weather Service, Pacific Region, Honolulu (for 1958-1991); Mauna Loa Observatory (for 1992-1999).

Table 5.32-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES

Island and station	Ground elevation (feet)	Average temperature 1/ (°F)		Extreme temperature of record (°F)		Average annual precipitation (inches)
		Coolest month	Warmest month	Lowest	Highest	
Hawaii:						
Hilo Airport	30	63.3	83.6	53	94	129
Hawaii Volcanoes Nat. Park Hdq.	3,970	57.6	63.2	31	93	101
Naalehu	800	70.2	75.1	50	93	47
Kailua	30	72.1	77.3	54	93	25
Puako 2/	5	73.1	79.8	52	98	10
Waimea (Kamuela)	2,670	61.3	66.8	34	90	31
Honokaa	1,070	67.6	75.5	(NA)	(NA)	86
Mauna Kea summit 3/	13,796	31.3	42.5	11	66	20
Maui:						
Hana Airport	60	71.4	77.3	50	94	83
Haleakala summit	10,025	42.6	50.0	14	73	44
Kihei 4/	85	70.9	78.4	49	98	13
Kahului Airport	40	63.5	87.9	48	97	21
Lahaina	45	71.5	78.0	52	97	15
Molokai:						
Kaunakakai	10	(NA)	(NA)	(NA)	(NA)	14
Molokai Airport	450	70.2	77.6	48	91	27
Lanai:						
Lanai City	1,620	65.8	72.8	46	88	37

Continued on next page.

Table 5.32-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES -- Con.

Island and station	Ground elevation (feet)	Average temperature (°F)		Extreme temperature of record (°F)		Average annual precipitation (inches)
		Coolest month	Warmest month	Lowest	Highest	
Oahu:						
Honolulu International Airport	10	65.5	88.0	53	95	22
Waikiki (Honolulu Zoo)	10	72.8	80.3	51	95	25
Manoa (Lyon Arboretum)	500	69.9	76.1	49	96	158
Kaneohe (State Hospital)	200	71.0	77.5	43	93	71
Kahuku	25	71.6	78.8	49	95	40
Wheeler AFB	845	68.2	75.5	52	89	40
Waianae	10	72.1	79.7	45	96	20
Kauai:						
Kilauea (town)	315	68.7	75.6	49	94	68
Lihue Airport	100	64.7	84.8	50	90	43
Poipu (Makahuena Pt.)	50	72.1	79.4	50	95	35
Kekaha	9	71.0	78.5	48	95	21
Kokee (Kanalohuluhulu)	3,600	54.7	63.8	29	86	70
Northwestern Hawaiian Islands:						
Midway	10	65.0	78.6	52	89	44

NA Not available.

1/ For some stations, data represent 30-year normals.

2/ Temperature data are for Mahukona.

3/ Based on incomplete and non-continuous data for 1966-1972. Precipitation estimated.

4/ Temperature data refer to Puunene Airport.

Source: Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; Hawaii State Climatology Office, Department of Meteorology, University of Hawaii, records.

Table 5.33-- ENVIRONMENTAL INDICATORS: 1995 TO 1999

Indicator	Unit	1995	1996	1997	1998	1999
Electric energy used	Mil. kWh	10,563	10,740	10,424	10,455	10,635
Greenhouse gases produced	Mil. tons 1/	20.5	20.3	20.5	20.6	20.6
Fossil fuel used	Tril. BTU	283.0	294.5	295.1	284.0	287.0
Municipal water consumption	Mil. gal	74,992	74,728	71,810	73,301	76,610
Wastewater reused	Percent	7.4	8.2	10.4	11.3	13.0
Solid waste produced	1,000 tons	2,023	2,122	2,132	2,004	1,884
Hazardous waste generated	Tons	2/ 1,702	(NA)	1,669	(NA)	(NA)
Rare native plants	Number	604	607	586	600	654
Unhealthy air (Honolulu)	Days	-	-	-	-	(NA)
Beaches closed	Days	16	45	28	13	26
Oil and chemical spills	Number	348	467	500	530	526
Safe drinking water	% of population	98.0	99.5	98.2	99.8	99.7
Environmental expenditures	1991 \$ millions	6.4	53.2	39.0	51.3	59.3
Registered motor vehicles	1,000	877.8	884.6	884.3	893.4	906.9
Noise complaints	Number	487	457	461	427	372
Bikeway mileage	Miles	87.0	118.1	132.0	104.9	179.7
Bus boardings (Oahu)	Millions	81.2	76.3	73.9	71.2	69.4

NA Not available.

1/ CO2 equivalent.

2/ 1993.

Source: The Environmental Council, State of Hawaii, *Environmental Report Card, 2000*, pp. 12-32.

**Table 5.34-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO,
KAHULUI, HONOLULU, AND LIHUE AIRPORTS**

Subject	Hilo	Kahului	Honolulu	Lihue
Normal temperatures (°F):				
Daily maximum	81.5	83.9	84.4	81.2
Daily minimum	66.4	67.2	70.0	69.9
Monthly: Coolest month 1/	71.7	71.7	72.9	71.6
Warmest month 1/	76.3	79.3	81.4	79.5
Annual 1/	74.0	75.6	77.2	75.6
Extreme temperatures (°F):				
Record highest	94	97	95	90
Record lowest	53	48	53	50
Normal degree days, base 65°F:				
Heating	-	-	-	-
Cooling	3,284	3,883	4,474	3,883
Precipitation (inches):				
Normal	129.19	20.92	22.02	43.00
Maximum monthly	50.82	14.46	20.79	22.91
Minimum monthly	0.13	0.00	T	T
Maximum in 24 hours	2/ 27.36	7.01	17.07	11.54
Normal relative humidity (percent)	79	73	68	75
Wind speed (m.p.h.):				
Mean	7.4	2/ 14.5	11.4	12.8
Maximum 2-minute	31	38	2/ 35	2/ 38
Percent of possible sunshine	40	67	71	58
Mean number of days:				
Clear	35.5	130.5	90.0	55.3
Partly cloudy	131.3	145.2	179.8	183.2
Cloudy	195.3	89.5	92.0	123.2
Precipitation .01 inch or more	273.3	100.2	100.7	199.8
Thunderstorms	9.7	4.0	6.7	7.8
Temperature maximum 90° and above	1.0	23.5	31.4	0.1

T Trace amount.

1/ Normal dry bulb temperature, which is the temperature of the ambient air.

2/ Revised.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 2000*, "Normals, Means, and Extremes", for Hilo, Kahului, Honolulu, and Lihue, (annual).

Table 5.35-- MONTHLY AND ANNUAL CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT

Month	Normal temperature (°F)		Extreme temperature (°F)		Precipitation (inches)				
	Daily maximum	Daily minimum	Monthly 1/	Highest daily maximum	Lowest daily minimum	Normal total	Maximum monthly	Minimum monthly	Maximum in 24 hours
January	80.1	65.6	72.9	88	53	3.55	14.74	0.18	6.72
February	80.5	65.4	73.0	88	53	2.21	13.68	0.06	6.88
March	81.6	67.2	74.4	88	55	2.20	20.79	0.01	17.07
April	82.8	68.7	75.8	91	57	1.54	8.92	0.01	4.21
May	84.7	70.3	77.5	93	60	1.13	7.23	2/ 0.03	3.44
June	86.5	72.2	79.4	92	65	0.50	2.46	T	2.28
July	87.5	73.5	80.5	94	66	0.59	2.33	0.03	2.20
August	88.7	74.2	81.4	93	67	0.44	3.08	T	2.35
September	88.5	73.5	81.0	95	66	0.78	2.74	0.05	1.40
October	86.9	72.3	79.6	94	61	2.28	11.15	0.07	7.57
November	84.1	70.3	77.2	93	57	3.00	18.79	0.03	9.15
December	81.2	67.0	74.1	89	54	3.80	17.29	0.06	8.25
Annual	84.4	70.0	77.2	95	53	22.02	20.79	T	17.07

Continued on next page.

Table 5.35-- MONTHLY AND ANNUAL CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT -- Con.

Month	Relative humidity (percent)		Wind (miles/hour)		Percent of possible sunshine	Mean number of days		
	8 A.M.	2 P.M.	Mean speed	Maximum 2-minute speed		Clear	Cloudy	Precipitation .01 inch or more
January	81	62	9.4	2/ 32	65	9.5	8.5	9.7
February	78	59	10.1	33	68	8.1	7.6	8.6
March	73	57	11.3	31	72	7.4	9.3	9.2
April	70	56	11.7	2/ 35	70	5.9	9.6	9.5
May	67	54	11.6	2/ 26	72	6.7	8.7	7.9
June	66	52	12.6	30	74	6.5	6.2	5.8
July	67	52	13.4	30	76	7.4	5.1	7.4
August	67	51	13.0	29	77	8.0	5.7	6.1
September	68	52	11.4	26	77	7.9	5.7	7.4
October	70	56	10.7	2/ 26	71	7.5	8.1	8.8
November	74	59	10.9	2/ 30	64	7.2	8.8	9.8
December	78	61	10.6	28	63	7.9	8.7	10.5
Annual	72	56	11.4	2/ 35	71	90.0	92.0	100.7

T Trace amount.

1/ Normal dry bulb temperature which is the temperature of the ambient air.

2/ Revised.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2000*, "Normals, Means, and Extremes", for Honolulu, (annual).

Table 5.36-- AVERAGE TEMPERATURE, PERCENT OF POSSIBLE SUNSHINE, AND PRECIPITATION, FOR HONOLULU INTERNATIONAL AIRPORT: ANNUALLY, 1950 TO 2000

Year	Average temperature (°F)	Percent of possible sunshine	Precipitation (inches)	Year	Average temperature (°F)	Percent of possible sunshine	Precipitation (inches)
1950	75.7	(NA)	31.68	1976	76.8	60	12.90
1951	76.3	(NA)	39.73	1977	78.2	68	12.36
1952	75.4	(NA)	10.65	1978	76.8	69	25.05
1953	75.9	71	9.97	1979	77.0	68	16.93
1954	75.8	68	27.30				
1955	74.5	62	37.86	1980	77.5	69	26.90
1956	75.9	69	21.23	1981	77.1	72	13.41
1957	76.0	72	24.22	1982	76.9	56	34.92
1958	75.3	70	35.02	1983	77.2	64	5.03
1959	76.7	70	14.14	1984	78.1	71	17.08
				1985	76.9	69	17.38
1960	76.7	70	12.07	1986	78.3	77	13.93
1961	77.2	81	14.26	1987	77.9	73	23.53
1962	76.5	71	13.58	1988	78.5	75	16.47
1963	76.7	64	37.91	1989	77.5	79	27.52
1964	77.0	63	20.12				
1965 1/	76.1	74	42.78	1990	77.6	77	19.84
1966 1/	77.6	68	23.18	1991	77.7	67	17.94
1967 1/	77.6	58	34.34	1992	77.8	(NA)	19.00
1968 1/	77.9	63	37.26	1993	77.1	88	5.84
1969 1/	77.4	68	22.50	1994	78.8	89	15.59
				1995	79.3	89	13.60
1970 1/	78.2	72	15.49	1996	78.6	(NA)	33.12
1971 1/	76.1	70	26.64	1997	77.8	88	19.99
1972	76.2	65	26.94	1998	77.1	(NA)	4.52
1973	77.2	63	14.24	1999	76.9	(NA)	11.99
1974	77.5	61	24.02	2000	77.6	(NA)	7.10
1975	76.2	62	24.39				

NA Not available.

1/ Site conditions produced distorted temperature measurements from 1965 to 1971.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2000, Honolulu*, "Average Temperature (°F) 2000, Honolulu", "Precipitation (inches) 2000, Honolulu", (annual).

Table 5.37-- AVERAGE DAILY TEMPERATURE AND DAYS WITH MAXIMUM OF 90° OR HIGHER; FOR HONOLULU INTERNATIONAL AIRPORT: 1971 TO 2000

Year	Average daily maximum (°F)	Days 90° or higher	Year	Average daily maximum (°F)	Days 90° or higher
1971	82.7	-	1986	86.2	64
1972	83.2	3	1987	85.7	93
1973	84.4	10	1988	86.1	70
1974	85.0	25	1989	85.2	34
1975	83.6	1	1990	84.0	47
1976	84.1	9			
1977	85.2	16	1991	84.9	35
1978	84.2	13	1992	85.2	28
1979	84.7	51	1993	84.5	23
1980	84.6	22	1994	85.5	85
			1995	86.8	116
1981	84.6	9	1996	1/ 85.8	69
1982	83.5	27	1997	85.1	50
1983	85.1	44	1998	83.7	-
1984	85.5	63	1999	83.2	-
1985	84.6	53	2000	84.0	4

1/ Revised.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2000*, "Meteorological Data for 2000, Honolulu ", (annual).

**Table 5.38-- CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT:
ANNUALLY, 1990 TO 2000**

Year	Average temperature (°F)			Extreme temp. (°F)		Precipitation (inches)
	Annual	Coolest month	Warmest month	Lowest	Highest	
1990	77.6	71.5	82.3	57	93	19.84
1991	77.7	72.4	82.4	55	93	17.94
1992	77.8	72.9	82.2	58	92	19.00
1993	77.1	70.9	81.3	54	93	5.84
1994	78.8	72.0	84.3	56	95	15.59
1995	79.3	73.4	83.4	56	94	13.60
1996	78.6	74.0	82.8	56	93	33.12
1997	77.8	72.3	82.7	57	94	19.99
1998	77.1	72.5	81.1	53	89	4.52
1999	76.9	73.3	80.8	60	89	11.99
2000	77.6	72.5	81.4	59	90	7.10

Year	Relative humidity (percent)		Wind speed (miles/hour)		Percent of possible sunshine	Days with precipitation .01 inch or more
	8 a.m.	2 p.m.	Annual average	Peak gust		
1990	69	54	11.2	46	77	109
1991	69	53	10.0	39	67	86
1992	71	55	9.5	49	(NA)	98
1993	70	53	10.9	46	88	76
1994	72	55	11.9	51	89	80
1995	74	57	10.7	41	89	81
1996	73	56	9.6	40	(NA)	106
1997	80	57	10.0	41	88	105
1998	72	56	11.0	(NA)	(NA)	74
1999	73	57	11.0	(NA)	(NA)	94
2000	75	60	10.9	(NA)	(NA)	67

NA Not available.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2000*, "Meteorological Data for 2000, Honolulu", (annual).

Table 5.39-- CLIMATIC DATA FOR THE PERIOD OF RECORD

Subject	Date	Place	Magnitude
Long-term averages:			
Lowest monthly average minimum temp. (°F)	February	Mauna Kea summit	23.5
Lowest monthly average daily temp. (°F)	February	Mauna Kea summit	31.3
Highest monthly average maximum temp. (°F)	September	Kawaihae 1/	91.9
Highest monthly average daily temp. (°F)	September	Kawaihae 1/	80.8
Lowest average annual rainfall (inches)	...	Kawaihae	8.7
Highest average annual rainfall (inches)	...	Waialeale	444
Single events:			
Lowest temperature of record (°F)	Jan. 20, 1970	Mauna Kea summit 2/	1.4
Highest temperature of record (°F)	April 27, 1931	Pahala	100
Lowest annual rainfall of record (inches)	1953	Kawaihae	0.2
Highest annual rainfall of record (inches)	1982	Waialeale	666
Highest wind speed of record (m.p.h.)	Sept. 11, 1992	Makahuena Pt. 3/	143

1/ Puukohola Heiau National Historical Site, Kawaihae, Hawaii.

2/ Recorded by Dr. Alfred Woodcock 60 meters inside the Mauna Kea summit cone, at 6:50 a.m. The rim at that time had a temperature of 39°F.

3/ Makahuena Point Coast Guard Station, Poipu, Kauai.

Source: Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, Climatological Section, data supplied February 14, 1995. No updates as of September 22, 2000.

**Table 5.40--RAINFALL AT SPECIFIED LOCATIONS: ANNUALLY,
1989 TO 1999**

[In inches]

Year	Hawaii				Maui		
	Hilo Airport	Lalamilo	Kona Village	Naalehu	Kahului Airport	Kihei	Lahaina
1989	166.71	(NA)	13.32	74.79	40.63	27.00	26.95
1990	211.22	23.54	19.80	89.83	35.20	19.17	19.84
1991	153.04	15.73	8.88	44.45	16.09	6.62	11.11
1992	119.89	12.72	9.90	40.57	16.98	11.03	9.73
1993	114.49	20.67	5.91	40.56	12.69	5.82	11.76
1994	182.81	11.87	4.62	63.34	13.93	5.61	8.02
1995	85.92	6.04	5.72	26.55	13.45	8.21	6.30
1996	120.21	25.35	24.70	59.07	31.00	22.32	22.81
1997	131.61	17.48	15.57	49.43	23.08	19.96	16.68
1998	108.78	8.86	1.37	17.62	6.76	4.47	1.86
1999	116.78	8.12	3.93	36.54	9.66	7.13	6.11

Year	Oahu				Kauai		
	Waikiki	University of Hawaii	Nuuanu Res. 4	Kane-ohe 1/	Koloa	Lihue Airport	Prince-ville
1989	(NA)	39.53	129.50	73.53	87.81	56.77	116.65
1990	26.15	40.66	137.81	60.48	73.27	39.37	86.44
1991	26.10	42.83	115.02	65.33	71.30	41.63	82.01
1992	(NA)	35.10	118.58	60.14	52.53	50.17	(NA)
1993	16.92	24.14	81.62	34.55	52.98	22.27	48.02
1994	20.16	33.68	125.48	52.36	60.73	32.99	72.15
1995	12.25	20.98	99.26	(NA)	56.76	46.57	86.94
1996	29.96	42.11	116.76	68.02	(NA)	56.14	85.53
1997	25.30	40.67	116.22	(NA)	42.02	48.02	81.57
1998	10.97	24.50	74.62	28.52	33.72	26.47	56.52
1999	19.09	26.55	89.60	30.76	40.25	33.19	67.15

NA Not available.

1/ Revised.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Climatological Data, Annual Summary, Hawaii and Pacific* (annual); Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; Hawaii State Climatology Office, Department of Meteorology, University of Hawaii, records.

Table 5.41 -- MAJOR HURRICANES: 1950 TO 2000

Hurricane name	Date 1/	Islands most affected	Maximum recorded winds ashore (m.p.h.)		Deaths	Property damage (mil. dol.)
			Sustained	Peak gusts		
Hiki	Aug. 15-17, 1950	Kauai	68	(NA)	1	0.2
Della	Sept. 4, 1957	French Frigate Shoals	82	109	-	Minor
Nina	Dec. 1-2, 1957	Kauai	(NA)	92	1	0.1
Dot	Aug. 6, 1959	Kauai	81	103	-	5.5+
Fico	July 18-20, 1978	Hawaii	(NA)	58+	-	0.2
Iwa	Nov. 23, 1982	Kauai, Oahu	65	117	1	234.0
Estelle	July 22, 1986	Maui, Hawaii	(NA)	55	-	2.0
Iniki	Sept. 11, 1992	Kauai, Oahu	92	143	8	1,900

NA Not available.

1/ Period affecting the Hawaiian Islands.

Source: Samuel L. Shaw, *A History of Tropical Cyclones in the Central North Pacific and the Hawaiian Islands, 1832-1979* (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, September 1981); Hawaii State Department of Defense, Civil Defense Division, *Catalogue of Natural and Man-Caused Incidents and Disasters in the Hawaiian Islands* (December 1978); The Governor's Ad Hoc Committee on the Economic Impact of Hurricane Iwa, *Hurricane Iwa's Economic Impact on Hawaii* (January 1983); "The History of Hurricanes in Hawaii", *Honolulu Star-Bulletin*, July 23, 1986, pp. A1, A2; "20-Foot Waves Hit Big Isle As Storm Brushes Coastline", *The Honolulu Advertiser*, July 23, 1986, pp. A1, A2; "Hawaii Hurricanes", *Honolulu Star-Bulletin*, August 4, 1988, p. A-8; Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records. <http://www.nws.noaa.gov/pr/hnl/cphc/pages/summaries.html>. Updated as of August 28, 2000.

Table 5.42-- TRADE WINDS, HIGH SURF, AND TEMPERATURES IN HAWAIIAN WATERS, BY MONTHS

Month	Trade wind frequency 1/ (percent)	Expected days of strong trade winds 2/	Highest surf 3/ (average number of days)		Water temperature 4/ (°F)	
			Flat or 1 foot	6 feet or more	Mean maximum	Mean minimum
Jan.	42	9	1	19	74.7	71.1
Feb.	55	7	1	16	75.6	70.3
March	61	10	1	12	76.5	71.8
April	74	10	3	7	77.7	73.0
May	86	7	8	3	79.5	74.7
June	91	7	15	-	81.1	77.7
July	95	10	16	-	81.1	78.3
Aug.	94	7	15	-	81.9	79.2
Sept.	83	4	10	2	81.9	78.4
Oct.	71	4	1	12	81.1	77.2
Nov.	64	8	-	19	79.3	74.5
Dec.	57	9	-	20	75.9	71.4
Annual	73	92	71	110	78.6	74.8

1/ Mean monthly frequency of trade winds in Hawaiian waters.

2/ Expected number of hazardous days in Hawaiian waters due to strong trade winds.

3/ Observations at Sunset Beach, Oahu. Annual averages were: flat or 1 foot, 71 days; 2-5 feet, 184 days; 6-10 feet, 71 days; 11-15 feet, 26 days; 16 feet or higher, 13 days.

4/ Observations at Kaneohe, Oahu. The mean ranged from 73.0 in January and February to 80.2 in August. Absolute maximums and minimums were respectively 84 (in July, August, and October) and 68 (December and February).

Source: Paul Haraguchi, *Weather in Hawaiian Waters* (Honolulu: Pacific Weather, Inc., 1979), pp. 14, 22, 56, and 74; Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, data provided February 14, 1995. No updates as of September 22, 2000.

**Table 5.43-- SUNRISE, SUNSET, AND HOURS OF DAYLIGHT AT
SELECTED LOCATIONS, AT BEGINNING OF EACH SEASON: 2002**

[Hawaiian Standard Time]

Subject	Hilo	Kahului	Honolulu	Lihue
Sunrise (a.m.):				
March 20	6:24	6:30	6:35	6:41
June 21	5:43	5:46	5:50	5:55
Sept. 23	6:09	6:15	6:20	6:27
Dec. 22	6:51	6:59	7:05	7:12
Sunset (p.m.):				
March 20	6:31	6:37	6:42	6:49
June 21	7:02	7:10	7:16	7:24
Sept. 23	6:16	6:21	6:27	6:33
Dec. 22	5:47	5:51	5:55	6:00
Hours of daylight:				
March 20	12:07	12:07	12:07	12:08
June 21	13:19	13:24	13:26	13:29
Sept. 23	12:07	12:06	12:07	12:06
Dec. 22	10:56	10:52	10:50	10:48

Source: U.S. Naval Observatory, Tables of Sunrise and Sunset;
http://aa.usno.navy.mil/data/docs/RS_OneYear.html#forma, and
<http://aa.usno.navy.mil/data/docs/EarthSeasons.html>.

Table 5.44-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF THE HONOLULU AREA: 1996 TO 1999

[Counts are made in late December, in a circle, 15 miles in diameter, centered near Nuuanu Pali]

Species	1996	1997	1998	1999
All species:				
Species	46	57	51	49
Individual birds	9,781	17,836	17,005	17,343
Endemic species: 1/				
'Apapane	6	16	9	43
Hawaiian Coot 2/	62	58	76	1
Hawaiian Stilt 2/	155	148	168	151
Oahu 'Amakihi	34	38	20	38
Hawaiian Moorhen 2/	4	8	9	6/ CW
Oahu 'Elepaio	13	4	10	13
Indigenous species: 3/				
Great Frigatebird	111	23	44	9
Red-footed Booby	1,246	125	1,221	969
Alien species: 4/				
Cattle Egret	231	40	178	172
Common Myna	1,146	2,136	2,474	1,732
Common Waxbill	622	1,117	408	713
House Sparrow	244	480	455	463
Japanese White-eye	303	547	403	95
Java Sparrow	396	1,754	1,525	2,515
Red-vented Bulbul	710	1,743	1,406	1,543
Rock Dove	239	304	302	305
Spotted Dove	703	1,239	1,295	1,238
Zebra (Barred) Dove	1,424	3,505	3,690	3,956
Visitor species: 5/				
Pacific Golden-Plover	763	1,351	1,268	894
Ruddy Turnstone	340	288	287	256

1/ Birds peculiar to Hawaii, and found nowhere else.

2/ Endangered species.

3/ Native to Hawaii, but also found elsewhere.

4/ Formerly termed "introduced". Includes accidental escapes from captivity.

5/ Formerly termed "migratory". Includes stragglers and seasonal migrants.

6/ Seen in count circle during Count Week [3 days before count day and 3 days after] but not found on count day.

Source: Hawaii Audubon Society, 'Elepaio (monthly), and records.

Table 5.45-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF THE HONOLULU AREA, BY TYPE OF SPECIES: 1997 TO 1999

[Counts are made in late December. Annual changes reflect differences in numbers of bird counters and counting time in the field, as well as changes in bird populations. Totals by species are also affected by the types of habitats studied]

Type of species	Number of species			Number of individuals		
	1997	1998	1999	1997	1998	1999
All species	57	51	49	17,836	17,005	17,343
Endemic	7	7	8	281	306	329
Indigenous	4	9	7	171	1,313	1,038
Alien	34	27	30	15,695	13,761	14,762
Visitor	12	8	4	1,689	1,625	1,214

Source: Hawaii Audubon Society, records.

Table 5.46-- TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 1995 TO 2000

[As of June 30]

Location	1995	1996	1997	1998	1999	2000
Along City and County streets and highways 1/	132,286	134,270	135,626	136,982	138,352	139,735
In City and County parks	100,377	101,063	102,083	103,103	104,134	105,175

1/ Excludes Federal, State, and private thoroughfares.

Source: City and County of Honolulu, Department of Parks and Recreation, records.

Table 5.47-- ESTIMATED NUMBER OF SPECIES IN HAWAII: 1996 TO 1999

[Excludes viruses and bacteria]

Category	Species			
	1996	1997	1998	1999
Total in Hawaii and surrounding waters	22,077	22,462	23,187	23,150
Endemic to Hawaii	8,805	8,864	9,176	9,246
Nonindigenous protists, fungi, plants, and animals	4,573	4,598	4,831	5,047

Source: A. Allen, S. E. Miller and G. M. Nishida, "Hawaii Biological Survey: a model for the Pacific Region", *Marine and Coastal Biodiversity in the Tropical Island Pacific Region*, Volume I (1995): 349-355, East-West Center and Pacific Science Association, Honolulu; L. G. Eldredge and S. E. Miller, "How many species are there in Hawaii?", *Bishop Museum Occasional Papers* 41 (1995): 3-18; L. G. Eldredge and S. E. Miller, "Numbers of Hawaiian species: Supplement 2, including a review of freshwater invertebrates", *Bishop Museum Occasional Papers* 48 (1997): 3-22; L. G. Eldredge and S. E. Miller, "Numbers of Hawaiian species: Supplement 3, with notes on fossil species", *Bishop Museum Occasional Papers* 55 (1998): 3-15; L. G. Eldredge, "Numbers of Hawaiian species: Supplement 4", *Bishop Museum Occasional Papers* 58 (1999): 72-78; Bishop Museum, records.

Table 5.48-- THREATENED AND ENDANGERED SPECIES, FOR THE UNITED STATES AND HAWAII

Group	United States	Hawaii
Total distinct species	1,243	310
Mammals	72	1
Birds	92	31
Reptiles	36	-
Amphibians	18	-
Fishes	114	-
Clams	69	-
Snails	31	2
Insects	42	1
Arachnids	12	1
Crustaceans	21	1
Flowering plants	705	261
Conifers and cycads	3	-
Ferns and allies	26	12
Lichens	2	-

Source: U.S. Fish and Wildlife Service, Division of Endangered Species, Threatened and Endangered Species System (TESS); <http://ecos.fws.gov/servlet/TESSSpeciesReport/generate>, report generated May 23, 2001.

Section 6

LAND USE AND OWNERSHIP

General statistics on the use, ownership, and tenure of land appear in this section. Information on specific use or ownership categories is given elsewhere: parks in Section 7, military land in Section 10, agriculture in Section 19, forests in Section 20, and sugar cane land in Section 22.

Considerable caution is necessary in comparing statistics from different sources on land use, ownership, or tenure. Variations in definitions and survey dates seriously affect comparability in many instances, even where terminology is relatively unambiguous and misinterpretation seems unlikely. An example of such difficulties is the wide range in estimates of Federal land, with totals ranging from 339,757 acres to 688,130.

Tabulations by the U.S. Department of Agriculture and General Services Administration, Hawaii State Department of Hawaiian Home Lands, Hawaii State Department of Land and Natural Resources, Hawaii State Department of Business, Economic Development & Tourism and its Land Use Commission, City and County of Honolulu Department of Finance, and City and County of Honolulu Planning Information Branch provided the data for this section. *Historical Statistics of Hawaii*, Section 12, contains limited information for earlier years. Statistics for the nation as a whole are available in Sections 6, 7, and 23 of the *Statistical Abstract of the United States: 2000*.

Table 6.01-- LAND OWNERSHIP, COVER, OR USE: 1982 TO 1997

[In thousand of acres. Based on sample data and subject to sampling variation. Small differences between reported values accordingly may not be statistically significant]

Land ownership, cover, or use	1982 1/	1987 1/	1992 1/	1997 1/
Total surface area	4,158.4	4,158.4	4,158.4	4,158.4
LAND OWNERSHIP				
Federal land 2/	321.5	388.0	389.7	361.2
Water area	52.5	52.6	52.4	52.4
Nonfederal land	3,784.4	3,717.8	3,716.3	3,744.8
Developed	149.2	153.1	172.9	179.7
Rural	3,635.2	3,564.7	3,543.4	3,565.1
LAND COVER OR USE				
Nonfederal rural land	3,635.2	3,564.7	3,543.4	3,565.1
Cropland	303.1	294.7	274.4	246.3
Cultivated	268.2	252.6	228.6	198.0
Irrigated	169.2	162.9	134.7	101.6
Nonirrigated	99.0	89.7	93.9	96.4
Noncultivated	34.9	42.1	45.8	48.3
Irrigated	8.6	11.0	23.9	21.8
Nonirrigated	26.3	31.1	21.9	26.5
Conservation Reserve Program land	-	-	-	-
Pastureland	41.0	33.8	36.1	35.9
Rangeland	1,006.1	996.4	1,011.7	1,008.7
Forest land	1,663.2	1,633.6	1,621.3	1,635.2
Other rural land	621.8	606.2	599.9	639.0
PRIME FARMLAND, BY COVER OR USE				
Total rural land	269.7	257.9	248.8	249.1
Cropland	185.9	180.6	169.6	150.0
Conservation Reserve Program land	-	-	-	-
Pastureland	19.5	15.0	15.6	15.5
Rangeland	38.1	37.4	36.6	43.6
Forest land	25.1	23.4	24.3	25.1
Other rural land	1.1	1.5	2.7	14.9

1/ Data for 1982 through 1992 revised based on 1997 publication. 1997 data revised December 2000.

2/ Includes ceded land; excludes leased land and submerged land.

Source: U.S. Department of Agriculture, Natural Resources Conservation Service (formerly the Soil Conservation Service), *1997 National Resources Inventory*, <http://www.nhq.nrcs.usda.gov/NRI/1997/>

**Table 6.02-- LAND USE AND STRUCTURAL CHARACTERISTICS OF OAHU:
1994 AND 1998**

Subject	June 1994: Oahu total	June 1998		
		Oahu total	Honolulu district	Rest of Oahu
LAND USE (IN ACRES)				
All existing uses	375,146	374,870	54,125	320,745
Residential	31,110	32,110	9,913	22,197
Industrial	8,658	9,571	3,790	5,781
Commercial	4,177	4,277	1,543	2,734
Hotel	319	315	128	187
Agriculture	70,400	56,954	300	56,654
Usable vacant	38,632	48,084	2,449	45,635
Other	221,851	223,559	36,002	187,557
STRUCTURES BY YEAR BUILT 1/				
All structures	160,693	165,783	64,351	101,432
Before 1930	6,777	6,337	4,977	1,360
1930 to 1939	8,537	8,225	5,266	2,959
1940 to 1949	14,477	14,087	8,145	5,942
1950 to 1959	29,516	29,109	13,961	15,148
1960 to 1969	40,846	40,581	15,305	25,276
1970 to 1979	28,324	28,247	8,122	20,125
1980 to 1989	20,244	20,197	5,215	14,982
1990 and later	11,972	19,000	3,360	15,640
DWELLING UNITS BY TYPE 1/				
All dwelling units	280,846	291,999	153,035	138,964
Single family and duplex	148,850	153,609	58,002	95,607
Low density multi-family	20,639	23,797	1,392	22,405
High density multi-family	111,357	114,593	93,641	20,952

1/ Data exclude structures on military bases.

Source: City and County of Honolulu, Planning Information Branch, records.

**Table 6.03-- ESTIMATED ACREAGE OF LAND USE DISTRICTS:
1964 TO 2000**

[Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes, as amended. All data are approximate]

Year and month	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
UNADJUSTED 3/					
1964: August	4,111,500	117,800	1,862,600	2,124,400	6,700
1969: August	4,111,500	140,163	2,009,087	1,955,875	6,375
1974: March	4,111,500	147,472	1,986,429	1,968,727	8,872
1978: December	4,111,500	151,929	1,976,106	1,974,230	9,235
1983: December	4,112,388	156,568	1,975,473	1,970,146	10,201
1984: December	4,112,388	158,620	1,969,351	1,974,236	10,181
1985: December	4,112,388	163,211	1,968,804	1,970,189	10,184
1986: December	4,112,388	165,165	1,967,638	1,969,401	10,184
1987: December	4,112,388	166,507	1,967,168	1,968,524	10,189
ADJUSTED 3/					
1987: December	4,112,388	165,607	1,967,247	1,969,345	10,189
1988: December	4,112,388	171,230	1,967,194	1,963,766	10,198
1989: December	4,112,388	175,285	1,960,976	1,965,935	10,192
1990: December	4,112,388	178,114	1,960,608	1,963,491	10,175
1991: December	4,112,388	181,407	1,959,621	1,961,294	10,066
1992: December	4,112,388	180,912	1,960,615	1,960,795	10,066
1993: December	4,112,388	187,697	1,958,897	1,955,704	10,090
1994: December	4,112,388	189,418	1,974,549	1,938,505	9,916
1995: December	4,112,388	190,257	1,976,016	1,936,197	9,918
1996: December	4,112,388	191,941	1,974,994	1,935,526	9,927
1997: December	4,112,388	192,158	1,974,994	1,935,305	9,931
1998: December	4,112,388	193,001	1,974,994	1,934,423	9,970
1999: December	4,112,388	184,592	1,974,994	1,932,792	10,010
2000: December	4,112,388	193,365	1,976,004	1,932,988	10,032

1/ These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census, cited in Section 5. The increase in the 1984 total area reflects additions to the Urban District on Oahu at Honolulu International Airport (Reef runway and South Ramp refill) created from former submerged lands.

2/ For definitions, see Hawaii Revised Statutes, Section 205-2.

3/ For changes in classification resulting from court decisions on past Commission actions.

Source: Hawaii State Department of Business, Economic Development & Tourism, Land Use Commission, records.

**Table 6.04-- ESTIMATED ACREAGE OF LAND USE DISTRICTS,
BY ISLANDS: DECEMBER 31, 2000**

[Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes, as amended. All data are approximate]

Island	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
State total	4,112,388	193,365	1,976,004	1,932,988	10,032
Hawaii	2,573,400	52,083	1,306,716	1,213,873	728
Maui	465,800	21,403	194,836	245,783	3,778
Kahoolawe	28,800	-	28,800	-	-
Lanai	90,500	3,257	38,197	46,639	2,407
Molokai	165,800	2,539	49,768	111,627	1,866
Oahu	386,188	99,686	156,618	129,884	-
Kauai	353,900	14,396	198,769	139,482	1,253
Niihau	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 3/	1,900	-	1,900	-	-

1/ These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census, cited in Section 5.

2/ For definitions, see Hawaii Revised Statutes, Section 205-2.

3/ The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, excluding Midway.

Source: Hawaii State Department of Business, Economic Development & Tourism, Land Use Commission, records.

Table 6.05-- LAND PARCELS, BY COUNTIES: FISCAL YEARS 1991 TO 2001

[Fiscal year ending June 30]

Fiscal Year	State total	City and County of Honolulu	County of Maui	County of Hawaii	County of Kauai
1991	424,111	224,339	50,966	124,902	23,904
1992	431,271	227,449	52,362	126,497	24,963
1993	438,388	231,893	53,414	127,444	25,637
1994	446,276	236,138	55,379	128,543	26,216
1995	452,568	240,652	56,108	128,954	26,854
1996	459,646	245,257	57,044	129,708	27,637
1997	467,966	250,320	57,992	131,060	28,594
1998	471,942	252,587	58,866	131,658	28,831
1999	475,538	254,282	59,852	132,366	29,038
2000	476,194	256,839	58,866	131,658	28,831
2001	484,467	258,162	62,213	134,573	29,519

Source: City and County of Honolulu, Department of Budget & Fiscal Services (Department of Finance through 1999), Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates, & Exemptions, State of Hawaii* (annual).

**Table 6.06-- REAL PROPERTY TAX EXEMPTIONS FOR CEMETERIES,
CHURCHES, HOSPITALS AND SCHOOLS, BY COUNTIES: 2000-2001**

[For fiscal year ended June 30]

Category	Cemeteries	Churches	Hospitals	Schools
PARCELS				
State total	106	1,459	103	185
Honolulu	48	800	79	125
Maui	5	228	12	7
Hawaii	44	296	3	49
Kauai	9	135	9	4
AMOUNT (\$1,000)				
State total	44,704	1,111,958	498,903	649,398
Honolulu	39,690	853,098	449,262	569,675
Maui	71	131,128	26,900	18,923
Hawaii	2,666	85,137	10,908	40,023
Kauai	2,277	42,596	11,833	20,778

Source: City and County of Honolulu, Department of Finance, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2000-2001 Tax Year, State of Hawaii* (July 2000) and <http://www.co.honolulu.hi.us/rpa/staterpt.htm>

**Table 6.07-- LAND OWNED IN FEE SIMPLE BY SELECTED LARGE
LANDOWNERS: 1998 TO 2000**

[In acres. Unless otherwise specified, as of December 31]

Landowner	1998	1999	2000
Eight large landowners	992,998	981,844	976,693
Percent of total land area 1/	24.2	23.9	23.8
Kamehameha Schools 2/	366,374	366,252	366,042
Parker Ranch	136,436	136,406	136,332
Castle & Cooke, Inc.	99,909	99,791	95,200
Dole Food Company, Inc.	28,685	28,518	28,515
Samuel M. Damon Estate	121,595	121,360	121,360
Alexander and Baldwin, Inc.	93,080	91,226	91,100
C. Brewer and Company, Ltd.	76,219	75,891	75,744
James Campbell Estate	70,700	62,400	62,400

1/ Based on area of 4,110,966 acres.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of major landowners.

Table 6.08-- REAL PROPERTY OWNED BY OR LEASED TO THE FEDERAL GOVERNMENT: 1996 TO 2000

[As of September 30]

Subject	1996	1997	1998	1999	2000
OWNED					
Number of installations	256	254	265	563	552
Land area, total (acres)	350,221.2	350,151.4	605,362.0	618,327.3	638,621.8
Percent of State area	8.5	1/ 8.5	1/ 14.8	1/ 15.1	1/ 15.6
Urban	125,628.7	125,628.7	125,493.8	126,642.1	137,429.8
Rural	224,592.5	224,522.7	479,868.2	491,685.2	501,192.0
Number of buildings	15,166	15,145	14,827	14,967	15,502
Floor area of bldgs. (1,000 sq. ft.)	77,846	77,834	72,324	72,324	78,257
Cost, total (\$1,000) 2/	3,397,303	3,398,474	3,372,301	3,584,825	4,565,630
Land	64,021	64,021	69,520	67,503	192,208
Buildings	2,383,306	2,384,505	2,415,232	2,576,501	2,974,723
Structures and facilities	949,976	949,948	887,549	940,821	1,398,699
Predominant usage of land (acres):					
Agriculture and grazing	-	-	-	-	-
Forest and wildlife	450.0	450.0	255,806.4	267,670.0	267,670.0
Parks and historic sites	220,526.7	220,526.7	220,526.7	220,526.7	220,526.7
Power development and distribution	-	-	-	-	-
Military, excluding airfields	111,025.5	111,025.5	113,937.6	117,105.1	126,791.6
Airfields	6,794.4	6,794.4	3,890.7	289.1	287.1
Harbor and port facilities	2.2	2.2	22.9	22.9	22.9
Reclamation and irrigation	-	-	-	-	-
Office building locations	61.7	61.7	61.7	51.3	50.5
Flood control and navigation	-	-	-	-	-
Vacant	1.5	1.5	1.5	-	-
Institutional	-	-	-	-	-
Housing	-	-	-	-	-
Storage	772.8	772.8	632.2	638.0	638.2
Industrial	9,144.9	9,144.9	9,141.8	8,838.0	8,837.3
Research and development	279.3	209.5	178.3	209.0	178.3
Misc. land	1,162.2	1,162.2	1,162.2	-	-
Post Office	-	-	-	-	14.9
All other	-	-	-	-	13,607.3
LEASED					
Number of leases	533	531	525	532	271
Land area, total (acres)	72,653.6	72,653.6	66,346.4	72,655.9	72,690.4
Urban	633.7	633.7	633.5	633.5	654.2
Rural	72,019.9	72,019.9	65,712.9	72,022.7	720,362.0
Number of building locations	641	639	635	657	37
Floor area of buildings (1,000 sq. ft.)	1,017.7	1,015.5	993.1	1,226.1	980.4
Annual rental (\$1,000)	13,965	13,906	13,781	18,916	12,925

Footnotes and source on next page.

Table 6.08-- REAL PROPERTY OWNED BY OR LEASED TO THE FEDERAL GOVERNMENT: 1995 TO 1999 -- Con.

1/ An unpublished correction to the source, shows the U.S. percentage was 24.8 and the Hawaii percentage ranking to be the 17th highest among the 50 States and D.C. A rank of 1 indicates the state or area that has the largest percentage of land owned by the Federal Government. Similarly, in 1998, the U.S. percentage was 28.8 and the Hawaii percentage ranked the 14th highest while in 1999, the U.S. percentage was 27.7 and again, the Hawaii percentage ranked the 14th highest.

2/ At time of acquisition. Includes estimated equivalent cost of properties acquired through donation, exchange, devise, forfeiture, or judicial process.

Source: U.S. General Services Administration, Real Property Clearinghouse, at <http://www.gsa.gov/Portal/pub.jsp?OID=115091>

Table 6.09-- DEPARTMENT OF HAWAIIAN HOME LANDS ACREAGE, LESSEES, AND APPLICANTS, BY ISLANDS: JUNE 30, 2000

[The Department of Hawaiian Home Lands administers land set aside for the benefit of qualified native Hawaiians, who are eligible to receive homestead leases and financial assistance from the Department]

Subject	State total	Hawaii	Maui	Molokai	Oahu	Kauai
Acreage 1/	200,176	116,573	30,962	25,386	6,995	20,211
Homestead leases 2/	6,927	1,938	654	817	2,930	501
Residential	5,484	1,175	514	387	2,871	452
Agricultural	1,066	490	66	404	59	47
Pastoral	377	273	74	26	-	2
Applicant waiting list 2/	31,318	11,714	6,061	1,677	8,439	3,427
Residential	16,707	4,919	2,833	711	6,755	1,489
Agricultural	12,638	5,491	2,905	822	1,684	1,736
Pastoral	1,973	1,304	323	144	-	202

1/ Data based on latest figures from the trust resolution project. Acreages are rounded to the nearest acre and include 12,796 acres of new lands out of the 16,518-acre land transfer from the Public Land Trust and 205 acres from the Hawaiian Home Lands Recovery Act. Oahu total includes 14.4 acres of Kalawahine land provided under Act 150, SLH 1990, 1,356 acres at Lualualei under Executive Orders to the the U.S. Navy, 53,615 acres at Princess Kahanu Estates, and 20,114 acres at Waianae Kai. Act 95, SLH 1996, also transferred 51,324 acres at Kealakehe (La'io'opua) and 37,839 acres at Kapolei, Oahu, as part of the land claims settlement. DHHL also purchased 57,160 acres at Waiehu Kou, Maui.

2/ Residence, agriculture, or pasture. Since applicants may apply for two types of leases, duplications occur. The Department estimates the unduplicated Statewide total number of applicants at about 19,300. Data are subject to audit.

Source: Hawaii State Department of Hawaiian Home Lands, records.

**Table 6.10-- STATE PUBLIC AND SET-ASIDE LAND INVENTORY,
BY COUNTIES: JANUARY 10, 1999**

[In thousands of acres]

Type of document	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All types	(NA)	(NA)	(NA)	(NA)	(NA)
Public lands	397.9	19.5	296.9	38.0	43.5
General lease 1/ 2/	224.7	4.7	184.6	22.9	12.5
Revocable permit 1/ 3/	41.5	1.3	23.2	4.4	12.6
Unencumbered lands 4/	131.7	13.5	89.1	10.7	18.4
Lands set aside to other government agencies	758.0	42.9	525.1	96.6	93.4
Executive order 1/	255.9	13.7	199.9	23.9	18.4
Governor's proclamation	502.1	29.2	325.2	72.7	75.0
Dept. of Hawaiian Home Lands	(NA)	(NA)	(NA)	(NA)	(NA)
University of Hawaii	(NA)	(NA)	(NA)	(NA)	(NA)
Hawaii Housing Authority	(NA)	(NA)	(NA)	(NA)	(NA)
Highways and roads	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Acreage may include overlapping encumbrances.

2/ Long-term leases. Mostly agricultural and pasture land. Includes land covered by water licenses not set aside to other government agencies.

3/ Month-to-month leases. Mostly agricultural and pasture land. Includes land licenses.

4/ Parcels with no documents and not in use.

Source: Hawaii State Department of Land and Natural Resources, Land Management Division, records.

Section 7

RECREATION AND TRAVEL

Statistics on tourism, recreation, sports, museums, parks, pets, and the performing arts appear in this section. Additional information on recreational and resort land use is given in Section 6; on transportation, in Section 18; and on hotels and hotel workers, in Sections 12, 13, 15 and 23.

Information on recreation and tourism is issued periodically by the Hawaii State Department of Business, Economic Development and Tourism's, Tourism Research Branch (particularly in its annual research reports) and Research and Economic Analysis Division, the State Parks Division of the Hawaii State Department of Land and Natural Resources, U.S. National Park Service, County park and recreation departments, and other organizations. Long-term trends are summarized in *Historical Statistics of Hawaii*, Section 11. National statistics are given in Section 7 of the *Statistical Abstract of the United States: 2000*.

**Table 7.01-- PASSENGERS ARRIVING, BY POINTS OF ORIGIN AND TRANSIT
STATUS: 1991 TO 2000**

Points of origin and status	1991	1992	1993	1994	1995
All directions	8,272,760	8,405,740	7,878,950	7,909,250	7,957,220
Landing	7,286,140	7,266,350	6,945,630	7,263,820	7,466,710
Intransit	986,620	1,139,390	933,320	645,430	490,510
Domestic	5,444,070	5,295,770	5,039,640	5,197,640	5,056,770
Landing	4,913,650	4,664,350	4,520,430	4,772,380	4,725,150
Intransit	530,420	631,420	519,210	425,260	331,620
International	2,828,690	3,109,970	2,839,310	2,711,610	2,900,450
Landing	2,372,490	2,602,000	2,425,200	2,491,440	2,741,560
Intransit	456,200	507,970	414,110	220,170	158,890
Points of origin and status	1996	1997	1998	1999	2000
All directions	8,049,980	8,182,660	7,852,500	7,980,220	8,965,495
Landing	7,648,880	7,723,580	7,545,230	7,708,206	7,981,480
Intransit	401,100	459,080	307,270	272,014	984,015
Domestic	5,078,740	5,147,470	5,169,410	5,172,404	5,699,525
Landing	4,801,570	4,907,620	5,033,100	5,088,781	5,318,419
Intransit	277,170	239,850	136,310	83,623	381,106
International	2,971,240	3,035,190	2,683,090	2,807,816	3,265,970
Landing	2,847,310	2,815,960	2,512,130	2,619,425	2,663,061
Intransit	123,930	219,230	170,960	188,391	602,909

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.02-- PASSENGER STATUS OF PARTIES AND PASSENGERS
ARRIVING IN HAWAII, BY POINTS OF ORIGIN: 1998 TO 2000**

Year and points of origin	All types	Visitors destined to Hawaii	Visitors destined beyond Hawaii		Returning residents	Intended residents
			Overnight or longer	Intransit		
PARTIES 1/						
1998, total	3,909,518	3,084,929	219,360	(NA)	587,062	18,166
Domestic	2,671,532	2,047,562	99,037	(NA)	506,767	18,166
International	1,237,986	1,037,368	120,323	(NA)	80,295	(NA)
1999, total	3,813,442	3,109,358	94,585	(NA)	591,766	17,733
Domestic	2,730,904	2,099,026	94,585	(NA)	519,560	17,733
International	1,082,538	1,010,332	(NA)	(NA)	72,206	(NA)
2000, total	4,017,246	3,368,364	3,276,511	91,852	629,351	19,446
Domestic	2,905,982	2,340,371	2,249,602	90,768	546,165	19,446
International	1,111,264	1,027,993	1,026,909	1,084	83,186	(NA)
PASSENGERS						
1998, total	7,852,500	6,173,118	423,466	307,270	919,581	35,050
Domestic	5,169,410	4,025,213	193,334	136,310	785,488	28,550
International	2,683,090	2,147,905	230,132	170,960	134,093	6,500
1999, total	7,980,220	6,564,989	176,049	271,719	939,622	34,022
Domestic	5,172,404	4,079,573	176,049	83,623	805,318	27,841
International	2,807,816	2,485,416	(NA)	188,096	134,304	6,181
2000, total	8,965,495	6,781,001	167,606	984,004	1,001,174	39,138
Domestic	5,699,525	4,279,331	167,606	381,106	839,772	31,710
International	3,265,970	2,501,670	(NA)	602,898	161,402	7,428

NA Not available.

1/ Not surveyed for intransit passengers.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.03-- VISITOR ARRIVALS AND AVERAGE VISITOR CENSUS:
1965 TO 2000**

Year	Visitors staying overnight or longer			Average number of visitors present		
	Total	Domestic	International	Total	Domestic	International
1965	686,314	539,211	147,103	17,353	16,057	1,296
1966	834,732	629,564	205,168	20,900	19,271	1,629
1967	1,124,012	828,849	295,163	27,610	24,898	2,712
1968	1,313,706	952,821	360,885	32,314	28,784	3,530
1969	1,526,074	1,121,714	404,360	37,175	33,088	4,087
1970	1,745,904	1,273,639	472,265	36,920	32,028	4,892
1971	1,817,941	1,363,081	454,860	40,866	36,504	4,362
1972	2,233,627	1,682,285	551,342	49,987	45,098	4,889
1973	2,622,376	1,942,714	679,662	59,450	53,407	6,043
1974	2,804,394	2,036,203	768,191	63,772	56,939	6,833
1975	2,818,082	2,028,068	790,014	66,146	59,495	6,651
1976	3,213,249	2,327,399	885,850	75,426	68,225	7,201
1977	3,413,095	2,508,472	904,623	82,737	75,684	7,053
1978	3,676,967	2,766,012	910,955	92,114	85,028	7,086
1979	3,966,192	2,888,521	1,077,671	98,745	89,678	9,067
1980	3,928,789	2,793,101	1,135,688	96,406	86,788	9,618
1981	3,928,906	2,778,566	1,150,340	95,874	85,449	10,425
1982	4,227,733	3,072,543	1,155,189	105,075	94,740	10,335
1983	4,356,317	3,219,219	1,137,098	107,860	97,390	10,470
1984	4,827,884	3,499,419	1,328,466	118,252	106,260	11,992
1985	4,843,414	3,522,126	1,321,288	116,107	103,820	12,287
1986	5,569,067	4,063,928	1,505,138	132,355	118,110	14,245
1987	5,770,585	4,040,204	1,730,381	133,835	116,780	17,055
1988	6,101,483	4,041,878	2,059,605	140,798	115,760	25,038
1989	6,488,428	4,339,513	2,148,915	165,058	135,480	29,578
1990	6,723,530	4,315,159	2,408,370	154,516	113,066	41,450
1991	6,518,460	4,068,508	2,449,952	147,323	105,686	41,637
1992	6,473,675	3,791,951	2,681,724	152,249	106,589	45,660
1993	6,070,987	3,570,051	2,500,936	147,498	100,430	47,068
1994	6,364,675	3,813,280	2,551,395	156,630	107,904	48,726
1995	6,546,762	3,743,477	2,803,285	157,098	105,649	51,450
1996	6,723,150	3,794,122	2,929,028	158,297	106,404	51,892
1997	6,761,148	3,890,811	2,870,337	157,187	108,019	49,168
1998	6,595,790	4,014,140	2,581,650	157,388	112,068	45,320
1999	6,741,037	4,255,621	2,485,416	164,439	117,998	46,441
2000	6,948,595	4,446,936	2,501,659	168,637	123,441	45,196

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.04-- OVERNIGHT AND LONGER VISITORS TO HAWAII:
1999 AND 2000**

Departure from Major Market Areas (MMA)	1999			2000		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
All visitors	6,741,037	4,255,621	2,485,416	6,948,595	4,446,936	2,501,659
US West MMA	2,308,836	2,208,409	100,427	2,432,444	2,329,284	103,160
US East MMA	1,601,238	1,517,603	83,636	1,712,712	1,623,539	89,173
Japan MMA	1,825,588	47,348	1,778,240	1,817,643	34,141	1,783,502
Canada MMA	252,777	37,836	214,941	251,843	41,039	210,804
Other Asia MMA	129,563	37,254	92,309	152,542	44,788	107,755
China	27,466	19,325	8,141	36,549	25,957	10,593
Hong Kong	13,629	3,562	10,067	15,148	5,714	9,434
Korea	39,263	8,072	31,191	58,865	8,821	50,044
Singapore	6,502	1,188	5,314	6,200	837	5,363
Taiwan	42,703	5,107	37,596	35,780	3,459	32,321
Oceania MMA	111,205	37,731	73,474	95,973	32,615	63,359
Australia	78,869	26,011	52,858	73,186	23,977	49,209
New Zealand	32,336	11,720	20,616	22,787	8,638	14,150
Europe MMA	183,868	157,640	26,228	166,973	139,337	27,637
United Kingdom	85,339	68,971	16,368	87,084	67,718	19,367
France	12,635	11,088	1,547	11,054	9,777	1,277
Germany	64,228	58,552	5,676	49,771	45,099	4,672
Italy	7,249	5,912	1,337	6,869	5,866	1,003
Switzerland	14,417	13,117	1,300	12,195	10,877	1,318
Latin America MMA	17,305	17,305	(NA)	18,150	16,121	2,029
Argentina	3,631	3,631	(NA)	3,206	2,988	218
Brazil	7,577	7,577	(NA)	8,103	6,842	1,261
Mexico	6,097	6,097	(NA)	6,841	6,291	550
Other MMA	310,656	194,494	116,162	300,313	186,073	114,240

NA Not available

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.05-- VISITOR DAYS, BY POINTS OF ORIGIN:
1990 TO 2000**

Year	Total	Domestic	International
1990	56,398,499	41,269,155	15,129,344
1991	53,772,839	38,575,333	15,197,505
1992	55,723,013	39,011,618	16,711,395
1993	53,836,611	36,656,820	17,179,791
1994	57,169,825	39,384,934	17,784,891
1995	57,340,911	38,561,739	18,779,172
1996	57,936,622	38,944,059	18,992,563
1997	57,373,493	39,427,198	17,946,295
1998	57,446,913	40,904,938	16,541,975
1999	60,020,237	43,069,177	16,951,060
2000	61,721,150	45,179,587	16,541,563

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.06-- AVERAGE VISITOR CENSUS, BY COUNTIES AND ISLANDS:
1999 AND 2000**

County or island	1999			2000		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total	164,439	117,998	46,441	168,637	123,441	45,196
Oahu	79,497	45,755	33,743	84,910	51,186	33,724
Hawaii County	22,736	18,175	4,561	21,831	18,325	3,506
Kauai County	18,214	16,579	1,634	18,041	16,254	1,787
Maui County	43,992	37,489	6,503	43,854	37,676	6,178
Maui	41,918	35,750	6,167	41,819	35,817	6,002
Molokai	950	830	121	904	837	67
Lanai	1,124	909	215	1,131	1,022	109

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.07-- VISITOR ARRIVALS, DOMESTIC AND INTERNATIONAL, BY AREAS VISITED: 1999 AND 2000

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors]

Areas visited	1999			2000		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total 1/	6,741,037	4,255,621	2,485,416	6,948,595	4,446,936	2,501,659
Oahu	4,560,142	2,347,040	2,213,101	4,719,244	2,485,058	2,234,186
Kauai	1,089,289	929,657	159,632	1,074,821	884,407	190,414
Maui County 1/	2,347,002	1,866,531	480,471	2,304,666	1,834,631	470,035
Maui	2,278,933	1,813,488	465,446	2,246,253	1,783,820	462,433
Molokai	69,657	59,685	9,972	64,559	55,572	8,987
Lanai	94,546	80,434	14,112	87,662	76,391	11,271
Hawaii County 1/	1,307,720	942,359	365,361	1,267,965	925,356	342,609
Hilo side	429,781	298,094	131,686	370,193	272,964	97,229
Kona side	1,093,524	815,881	277,643	1,101,401	809,863	291,538
One island only	4,800,628	2,930,443	1,870,185	5,090,031	3,206,352	1,883,679
Oahu only	2,917,116	1,294,883	1,622,233	3,145,170	1,501,397	1,643,773

1/ Because many visitors planned to visit more than one area, detail sums to more than the totals and subtotals shown here.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.08-- SUMMARY CHARACTERISTICS OF OVERNIGHT AND LONGER VISITORS, BY POINTS OF ORIGIN: 1999 AND 2000

Subject	Total	Domestic	International
1999			
Residence (percent):			
United States	58.0	87.6	7.4
Pacific and Mountain States	34.3	51.9	4.0
California	(NA)	31.9	(NA)
Males per 100 females	(NA)	(NA)	(NA)
Average age (years)	(NA)	(NA)	(NA)
High-status occupations 1/ (percent)	38.4	43.8	26.9
Persons per party	2.1	1.9	2.5
Arriving June-August (percent)	27.4	28.1	26.2
Repeat visitors (percent)	58.9	64.2	49.8
Pleasure trip (percent)	81.1	77.0	88.1
In hotel only	63.6	54.6	79.0
One island only	71.2	68.9	75.2
Destined beyond Hawaii (percent)	(NA)	4.1	(NA)
2000			
Residence (percent):			
United States	59.7	88.9	7.7
Pacific and Mountain States	35.0	52.4	4.1
California	21.5	32.8	1.6
Males per 100 females	223	329	130
Average age (years)	(NA)	(NA)	(NA)
Persons per party	2.1	1.9	2.4
Arriving June-August (percent)	26.6	26.9	26.0
Repeat visitors (percent)	59.0	64.8	48.7
Pleasure trip (percent)	79.9	75.9	87.1
In hotel only	64.4	54.5	82.1
One island only	73.3	72.1	75.3
Destined beyond Hawaii (percent)	(NA)	3.8	(NA)

NA Not available.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.09-- DOMESTIC VISITORS BY STATES AND REGIONS:
1999 AND 2000**

[Limited to visitors staying overnight or longer. Includes both visitors destined to and beyond Hawaii]

Residence	1999	2000
United States	3,726,012	3,952,823
Pacific	1,844,511	1,938,247
Alaska	41,737	43,224
California	1,355,754	1,456,666
Oregon	147,220	135,883
Washington	299,802	302,474
Mountain	363,898	391,037
Arizona	94,289	100,589
Colorado	98,218	110,480
Idaho	24,522	23,931
Montana	13,273	15,019
Nevada	46,772	55,621
New Mexico	19,803	20,509
Utah	61,635	58,460
Wyoming	5,386	6,428
West North Central	191,856	206,468
Iowa	23,772	24,544
Kansas	21,695	23,869
Minnesota	76,502	84,262
Missouri	45,279	48,170
Nebraska	14,199	14,280
N. Dakota	4,727	5,160
S. Dakota	5,682	6,182
West South Central	217,433	229,067
Arkansas	12,001	11,690
Louisiana	16,401	16,750
Oklahoma	21,902	22,838
Texas	167,129	177,789
East North Central	374,582	402,799
Illinois	132,675	138,588
Indiana	41,724	43,346
Michigan	78,946	88,413
Ohio	75,441	78,393
Wisconsin	45,795	54,059
East South Central	76,409	78,366
Alabama	17,746	18,573
Kentucky	19,150	20,993
Mississippi	8,092	8,581
Tennessee	31,421	30,220

Continued on next page.

**Table 7.09-- DOMESTIC VISITORS BY STATES AND REGIONS:
1999 AND 2000 -- Con.**

Residence	1999	2000
New England	97,204	110,355
Connecticut	26,653	27,672
Maine	6,663	7,159
Massachusetts	44,878	55,894
New Hampshire	8,783	8,996
Rhode Island	6,121	6,407
Vermont	4,106	4,225
Middle Atlantic	241,256	256,975
New Jersey	66,806	70,559
New York	107,906	117,496
Pennsylvania	66,544	68,920
South Atlantic	318,863	339,509
Delaware	4,518	4,948
Washington, D.C.	5,928	6,594
Florida	84,007	87,514
Georgia	54,025	62,041
Maryland	44,226	47,525
N. Carolina	38,848	40,666
S. Carolina	15,901	16,479
Virginia	65,683	68,202
West Virginia	5,727	5,541

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.10-- TRIP CHARACTERISTICS OF VISITORS, BY POINTS OF ORIGIN: 1999 AND 2000

[Limited to visitors staying overnight or longer. Includes both visitors destined to and beyond Hawaii]

Subject	Domestic		International	
	1999	2000	1999	2000
All visitors 1/	4,255,621	4,446,936	2,485,416	2,501,659
Purpose of visit: 1/				
Pleasure	3,275,236	3,374,309	2,189,324	2,180,111
Honeymoon	266,304	279,843	395,463	368,249
Meetings, conventions, incentive 1/	384,171	454,063	100,580	120,853
Convention	247,556	298,435	52,685	64,325
Corporate meeting	79,792	95,793	18,861	20,281
Incentive	61,412	64,876	30,099	38,078
Other business	183,546	189,193	32,088	37,022
Visit friends or relatives	350,874	368,869	55,594	77,496
Government or military	62,511	61,330	31,626	22,434
Attend school	12,067	12,802	9,032	5,906
Traveler method:				
Tour group	387,342	394,519	1,134,365	1,388,260
Package	1,520,407	1,535,324	1,689,339	1,873,573
Group tour and package	309,916	312,525	1,008,590	1,340,657
True independent	2,657,788	2,829,619	669,953	580,494
Accommodations:				
Hotel	2,581,579	2,699,350	2,031,123	2,131,689
Hotel only	2,321,714	2,423,672	1,964,564	2,053,195
Condo	1,046,359	929,041	280,375	240,657
Condo only	884,467	776,976	230,795	192,058
Timeshare	(NA)	260,765	(NA)	32,551
Timeshare only	(NA)	203,319	(NA)	2,441
Apartment	64,650	61,641	16,004	22,019
Bed & Breakfast	61,709	65,582	34,679	14,179
Cruise ship	82,575	76,652	7,396	14,350
Friends, relatives	476,356	486,112	75,216	65,886

NA Not available.

1/ Because of multiple responses, detail may add to more than the indicated total.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.11-- LENGTH OF STAY OF VISITORS STAYING OVERNIGHT OR LONGER, BY POINTS OF ORIGIN: 1999 AND 2000

Length of stay	1999			2000		
	Total	Domestic	International	Total	Domestic	International
All visitors	6,741,037	4,255,621	2,485,416	6,948,595	4,446,936	2,501,659
1 to 6 days	2,803,212	1,040,079	1,763,133	2,987,791	1,100,036	1,887,755
7 to 12 days	2,932,315	2,390,829	541,487	2,944,124	2,491,023	453,102
13 to 30 days	890,998	741,919	149,080	911,106	765,537	145,569
31 to 365 days	114,512	82,795	31,716	105,574	90,340	15,234
Median (days)	6.89	8.00	5.00	6.92	8.00	5.00
Mean (days)	8.90	10.12	6.82	8.88	10.16	6.61

NA Not available.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.12-- JAPANESE VISITOR ARRIVALS AND EXPENDITURES: 1995 TO 2000

Subject	1995	1996	1997	1998	1999	2000
Arrivals (1,000)	1,969	2,070	2,152	2,004	1,826	1,818
Average stay (days)	6.0	5.8	5.5	5.7	5.7	5.6
Expenditures (mil. dol.)	4,371	3,532	3,402	2,933	2,359	2,370

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.13-- AVERAGE EXPENDITURE PER VISITOR DAY, BY ORIGIN OF VISITORS: 1931-1932 TO 2000

[Dollars. Unweighted averages for Mainlanders before 1988 and for Japanese before 1990]

Year	Mainlanders	Japanese	Year	Mainlanders	Japanese
1931-32 1/	17.50	(NA)	1990	136.30	294.04
1951	28.00	(NA)	1991	140.54	344.29
1960-61	32.00	(NA)	1992	117.14	344.68
1965-66 1/	37.23	(NA)	1993	116.15	306.54
1974	46.20	123.00	1994	133.79	340.88
1977	54.62	146.85	1995	132.73	356.15
1980	71.24	185.00	1996	137.04	286.89
1983	85.88	227.32	1997	157.07	279.58
1986	95.40	299.00	1998	147.37	257.80
1987	102.49	324.00	1999	148.92	227.30
1988	121.44	350.00	2000	154.92	234.70
1989	126.57	322.00			

NA Not available.

1/ Oahu only.

Source: Hawaii Visitors Bureau, *1983 Visitor Expenditure Survey* (1985), p. 31; *1989 Expenditures, Westbound Visitors to Hawaii* (1990), pp. 29 and 30; *1991 Visitor Expenditure Report* (1992), pp. 6 and 68; *1992 Visitor Expenditure Report* (1993), p. 61; Hawaii Visitors & Convention Bureau, *Hawaii Visitors & Convention Bureau 1995 & 1996 Research Report*, pp.109-110, Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, Annual Visitor Research Report (annual) and records.

Table 7.14-- AVERAGE EXPENDITURE PER VISITOR DAY IN CONSTANT DOLLARS, FOR VISITORS FROM THE MAINLAND: 1931-1932 TO 2000

Year	U.S. CPI (1982-84=100)	Average expend. per vis. day 1/	Year	U.S. CPI (1982-84=100)	Average expend. per vis. day 1/
1931-32 2/	14.4	122	1991	136.2	103
1951	26.0	108	1992	140.3	83
1960-61	29.8	107	1993	144.5	80
1965-66 2/	32.0	116	1994	148.2	90
1974	49.3	94	1995	152.4	87
1977	60.6	90	1996	156.9	87
1980	82.4	86	1997	160.5	98
1983	99.6	86	1998	163.0	90
1986	109.6	87	1999	166.6	89
1989	124.0	102	2000	172.2	90
1990	130.7	104			

1/ In constant (1982-84) dollars.

2/ Oahu only.

Source: Preceding table; U.S. Bureau of Labor Statistics, *CPI Detailed Report*, and <http://stats.bls.gov/blshome.htm>.

**Table 7.15-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM THE U.S.
WEST, U.S. EAST, AND JAPAN, BY EXPENDITURE TYPE:
1999 AND 2000**

[For visitors who stayed in hotels, condominiums, and bed & breakfasts]

Expenditure type	Visitors from U.S. West		Visitors from U.S. East		Visitors from Japan	
	1999	2000	1999	2000	1999	2000
All items	139.8	160.1	176.8	185.6	229.9	236.9
Total Food and beverage	32.3	35.9	36.4	37.9	34.1	24.2
Restaurants	19.8	22.1	22.8	25.3	14.2	13.6
Dinner shows	3.7	3.1	4.2	3.7	(NA)	2.2
Dinner or lunch cruise	2.4	1.6	3.2	2.0	(NA)	(NA)
Nightclubs, bars	2.0	2.9	2.5	2.7	(NA)	(NA)
Groceries	4.4	6.3	3.7	4.2	3.8	2.8
Other food expenditures	(NA)	(NA)	(NA)	(NA)	7.0	5.5
Total Entertainment	10.7	11.5	13.9	12.8	4.4	2.0
Attractions	6.6	4.7	7.8	6.5	1.4	(NA)
Sports, recreation	3.4	6.1	5.5	5.5	0.7	(NA)
Other entertainment	0.7	0.8	0.7	0.7	2.3	(NA)
Total Transportation	15.4	12.7	18.2	17.5	9.8	7.9
Interisland travel	3.8	1.8	4.6	3.7	4.9	4.6
Ground transportation	7.7	8.2	9.2	9.8	1.9	0.8
Rental vehicles	2.2	1.1	2.5	1.6	2.1	1.9
Gasoline	1.0	1.0	1.0	1.2	0.4	0.1
Parking	0.7	0.7	0.9	1.1	(NA)	(NA)
Other transportation exp.	(NA)	(NA)	(NA)	(NA)	0.6	0.4
Total Fashion	15.5	15.6	20.3	20.3	49.1	43.8
Fashion and Clothing	8.7	8.1	11.7	9.6	21.1	17.8
Jewelry and watches	4.8	4.3	6.2	5.7	9.1	8.3
Cosmetics and perfumes	0.2	0.3	0.3	0.3	4.5	3.3
Leather goods	0.2	0.3	0.5	0.3	14.4	14.4
Other fashion items	1.6	2.6	1.6	4.4	(NA)	(NA)
Total Agricultural	1.8	1.4	2.0	1.6	2.7	2.1
Other shopping	(NA)	(NA)	(NA)	(NA)	15.9	12.5
Total Souvenirs	5.2	3.6	6.4	5.6	15.5	13.4
Total Communications	0.6	(NA)	1.1	(NA)	(NA)	(NA)
Total Personal Services	1.6	(NA)	2.0	(NA)	(NA)	(NA)
Total Lodging	46.6	68.1	66.1	72.1	60.3	83.3
Tour pak not alloc./misc.	10.1	11.1	10.4	17.8	38.2	47.8

NA Not available.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.16-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM
US WEST, US EAST, AND JAPAN, BY VISITOR OR TRIP CHARACTERISTICS:
1999 AND 2000**

[Dollars]

Visitor or trip characteristics	Domestic Visitors from US West		Domestic Visitors from US East		International Visitors from Japan	
	1999	2000	1999	2000	1999	2000
All visitors	139.80	143.44	176.80	170.15	229.90	235.15
Group tour status:						
Organized group tour	132.70	140.79	172.20	206.73	236.20	238.35
Individually arranged	140.10	147.86	176.40	169.74	(NA)	227.64
Arrived on package tour:						
Yes	142.80	155.39	176.90	194.28	230.50	242.03
No	137.90	143.64	175.90	157.20	238.40	190.48
Accommodations:						
Hotel only	146.50	167.71	184.90	191.41	237.30	243.53
Condo only	124.00	145.24	140.20	156.90	189.50	161.46
Guests of friends and relatives	105.90	109.95	100.00	121.54	115.00	105.11
Other	101.40	94.04	152.40	113.66	179.40	115.46
Previous visits:						
First trip	137.60	120.02	171.50	166.54	237.50	233.59
Repeat visitors	140.70	151.51	179.30	162.43	224.80	236.42
Purpose of trip:						
Pleasure	136.30	150.65	172.00	176.18	213.50	235.50
Business: Meetings, conventions, incentive	173.10	152.98	248.50	214.77	302.60	239.25
On honeymoon:	190.50	190.39	206.40	217.40	294.10	281.33

NA Not available.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, records.

Table 7.17-- ESTIMATED VISITOR EXPENDITURES: 1951 TO 2000

[Millions of dollars. Excludes expenditures by Hawaii residents for all years and additional business expenditures by MCI (meetings, conventions, and incentive) visitors before 1985]

Year	Personal expenditures	Year	Personal expenditures	Year	Personal expenditures	Additional business expend. 1/
1951	24	1968	440	1985	4,780	302
1952	33	1969	550	1986	5,567	351
1953	43	1970	595	1987	6,281	395
1954	49	1971	705	1988	7,813	491
1955	55	1972	836	1989	8,371	534
1956	65	1973	1,017	1990	8,707	375
1957	78	1974	1,233	1991	9,004	814
1958	83	1975	1,355	1992	8,614	697
1959	109	1976	1,637	1993	7,808	664
1960	131	1977	1,834	1994	9,544	710
1961	137	1978	2,150	1995	10,067	1,040
1962	154	1979	2,541	1996	9,569	598
1963	186	1980	2,871	1997	10,102	389
1964	205	1981	3,195	1998	9,910	399
1965	225	1982	3,687	1999	9,844	436
1966	280	1983	3,847	2000	10,396	522
1967	380	1984	4,442			

1/ By MCI (meetings, conventions, and incentive) visitors. For discussion, see Hawaii Visitors Bureau, *The 1990 Visitor Expenditure Report* (1991), pp. 35-40. Not available before 1985.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.18-- VISITOR EXPENDITURES, BY COUNTRY OF RESIDENCE:
1990 TO 2000**

[In thousands of dollars]

Year	Total expenditures	Personal (diary) expenditures					Additional business (MCI) expenditures
		All countries	United States	Japan	Canada	Other countries	
1990	9,082,130	8,706,772	5,041,774	2,572,284	306,867	785,847	375,358
1991	9,817,697	9,004,163	5,019,993	2,895,278	334,673	754,219	813,534
1992	9,310,860	8,613,581	3,969,014	3,349,276	276,632	1,018,660	697,279
1993	8,472,267	7,808,307	3,655,465	3,151,487	252,868	748,487	663,960
1994	10,253,911	9,544,014	4,504,806	3,768,143	349,484	921,581	709,897
1995	11,107,203	10,067,050	4,449,797	4,370,717	363,914	882,622	1,040,153
1996	10,166,844	9,568,828	4,651,449	3,531,913	351,511	1,033,954	598,016
1997	10,490,965	10,102,123	5,290,584	3,402,139	382,771	1,026,628	388,842
1998	10,309,191	9,910,271	5,327,957	2,932,547	346,211	1,303,556	398,919
1999	10,279,675	9,843,993	5,776,260	2,359,243	479,568	1,228,923	435,681
2000	10,918,136	10,395,854	6,452,691	2,370,355	451,457	1,121,352	522,282

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

**Table 7.19-- ESTIMATED DIRECT VISITOR-RELATED EXPENDITURES:
1985 TO 1998**

[In millions of dollars]

Year	Total	Visitors 1/	Overseas airlines 2/
1985	5,436.6	5,243.6	193.0
1986	6,296.1	6,103.8	192.3
1987	7,128.9	6,867.6	261.3
1988	8,813.8	8,528.1	285.7
1989	9,613.4	9,281.8	331.6
1990	10,109.2	9,738.6	370.6
1991	11,039.5	10,633.8	405.7
1992	10,020.1	9,558.9	461.2
1993	9,125.1	8,677.6	447.5
1994	11,035.7	10,603.2	432.5
1995	12,027.0	11,587.7	439.3
1996	11,126.6	10,684.8	441.8
1997	11,231.7	10,770.1	461.6
1998 3/	11,594.7	11,133.3	461.4

1/ Includes airline and ship crews' expenditures. Estimated by the Hawaii Visitors Bureau.

2/ Includes payroll, fuel taxes, and landing fees.

3/ Preliminary estimate, note that as of November 2000 all figures were in the process of revision.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Hawaii's Economy*, July 1999, p. 6.

Table 7.20-- ECONOMIC ACTIVITY GENERATED BY VISITOR-RELATED EXPENDITURES: 1985 TO 1998

Year	Visitor-related expenditures 1/ (million dollars)	Gross State Product (million dollars)	Household income (million dollars)	State and county tax revenues (million dollars)	Jobs 2/ (1,000)
1985	5,436.6	3,648.0	2,207.3	343.4	129.8
1986	6,296.1	4,224.7	2,556.2	397.7	133.1
1987	7,128.9	4,783.5	2,894.3	496.4	139.7
1988	8,813.8	5,914.0	3,578.4	618.6	147.4
1989	9,613.4	6,450.6	3,903.1	680.3	156.7
1990	10,109.2	6,783.3	4,104.3	714.0	163.1
1991	11,039.5	7,407.5	4,482.1	797.6	168.1
1992	10,020.1	6,262.6	3,952.0	752.7	181.6
1993	9,125.1	5,703.2	3,599.0	687.2	176.3
1994	11,035.7	6,897.3	4,352.6	826.4	176.4
1995	12,027.0	7,516.9	4,743.5	912.0	177.7
1996	11,126.6	6,954.1	4,388.4	870.0	179.6
1997	11,231.7	7,019.8	4,429.9	880.0	180.7
1998 3/	11,594.7	7,246.7	4,573.0	903.3	180.1

1/ Direct expenditures by visitors, airline and ship crews, and overseas airlines.

2/ Direct and indirect.

3/ Preliminary estimate, note that as of November 2000 all figures were in the process of revision.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Hawaii's Economy*, July 1999, p.6.

Table 7.21-- VISITOR INDUSTRY PRICES, PRICE DEFLATOR, AND PRICE INDEXES: 1980 TO 2000

Year	Implicit price deflator 1/ (1992=100)	Average daily room rate 2/ (dollars)	1-way air fares (dollars)		Honolulu consumer price index 5/ (1982-84=100)		
			San Francisco-Honolulu 3/	Honolulu-Kahului 4/	Eating out	Apparel, upkeep	All items
1980	57.0	47.28	211.08	41.00	81.0	89.8	83.0
1981	59.5	49.73	296.09	51.00	88.5	94.5	91.7
1982	63.9	51.78	328.10	48.00	95.5	98.4	97.2
1983	66.6	54.78	353.14	49.95	100.1	101.4	99.3
1984	69.1	59.25	353.14	49.95	104.5	100.2	103.5
1985	71.3	68.84	364.00	44.95	108.6	99.6	106.8
1986	73.0	73.20	364.00	46.95	111.4	99.8	109.4
1987	76.3	80.09	486.00	48.95	115.6	102.5	114.9
1988	80.3	87.94	494.00	48.95	121.0	106.8	121.7
1989	84.4	95.83	524.00	44.95	122.2	104.3	128.7
1990	89.8	102.10	560.00	54.95	128.0	107.0	138.1
1991	95.4	101.89	642.00	65.95	133.6	110.5	148.0
1992	100.0	105.59	400.00	69.95	137.8	114.2	155.1
1993	102.6	103.26	566.00	74.00	141.9	116.5	160.1
1994	105.2	105.46	566.00	74.00	146.4	118.7	164.5
1995	107.2	110.27	596.00	74.00	149.2	117.5	168.1
1996	108.8	127.95	530.00	85.00	150.8	118.5	170.7
1997	109.5	135.94	521.00	80.00	152.6	117.3	171.9
1998	109.3	140.80	521.00	88.00	153.3	112.2	171.5
1999 6/	110.4	144.53	(NA)	94.75	158.3	105.4	173.3
2000	112.1	151.79	(NA)	94.50	160.0	103.5	176.3

NA Not available.

1/ Hawaii State Department of Business, Economic Development, & Tourism, calculations.

2/ From Pannell Kerr Forster, *Trends in the Hotel Industry, Hawaii* (monthly).

3/ Unrestricted Coach or Economy weekday fare, including taxes as of July 1, by United Airlines. From chronology in *Data Book*, 1980-1998.

4/ Regular fare, including taxes, as of July 1, by Hawaiian Airlines. From chronology in *Data Book*, 1984-2000 and Hawaiian Airlines, records.

5/ Honolulu CPI for all urban consumers, from U.S. Bureau of Labor Statistics.

6/ Data from Pannell Kerr Forster for 1999 have been revised from previous year databook.

Source: See above footnotes.

**Table 7.22-- RETURNING RESIDENTS AND AVERAGE NUMBER ABSENT,
BY POINTS OF ORIGIN: 1992 TO 2000**

Year	Number returning			Average number absent		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
1992	746,611	642,440	104,171	39,200	32,960	6,240
1993	832,592	716,100	116,492	52,487	44,890	7,597
1994	858,075	738,540	119,535	54,362	46,150	8,212
1995	878,599	755,970	122,629	55,856	47,864	7,992
1996	889,496	764,790	124,706	58,137	50,108	8,029
1997	925,812	796,650	129,162	40,898	35,467	5,431
1998	931,068	796,967	134,101	38,495	34,791	3,704
1999	939,622	805,318	134,304	42,297	36,339	5,958
2000	1,001,174	839,772	161,402	41,578	37,170	4,408

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.23-- TRAVEL CHARACTERISTICS FOR HAWAII AND THE UNITED STATES: 1977 AND 1995

[Trips of 100 miles or more, one way. Excludes travel outside the U.S.]

Subject	Hawaii			United States		
	1977	1995	Percent change	1977	1995	Percent change
People who live in area						
Percent traveling households	67	75	12.5	72	80	10.8
Trips per household	1.3	3.1	138.5	4.1	5.5	34.1
Trips per traveling household	1.9	4.2	121.1	5.7	6.9	21.1
Trips per capita	0.5	1.9	280.0	2.0	4.0	66.7
Trips per traveler	(NA)	2.7	(NA)	4.0	4.8	20.0
Miles per traveler	(NA)	7,392	(NA)	2,836	3,943	39.0
Miles per trip	(NA)	2,704	(NA)	709	827	16.6
People who visit area						
Trips per traveler	2.1	3.4	61.9	4.0	4.8	20.0
Miles per traveler	14,654	16,538	12.9	2,836	3,943	39.0
Miles per trip	7,013	4,885	-30.3	709	827	16.6

NA Not available.

Source: U.S. Bureau of Transportation Statistics, *1995 American Travel Survey, State Highlights, Hawaii* (1997), table 1.

Table 7.24-- PERSON TRIPS TO, FROM, AND WITHIN HAWAII, BY CENSUS DIVISIONS OR STATES OF DESTINATION OR ORIGIN: 1995

[Trips of 100 miles of more, one way. Excludes travel outside the U.S.]

Census division or selected state of destination or origin 1/	Destination of person trips from Hawaii (1,000)	Origin of person trips to Hawaii (1,000)
Total person trips	2,086	4,624
Within Hawaii 2/	1,322	1,322
To or from other states	764	3,302
New England	9	69
Mid-Atlantic	36	189
East North Central	36	269
West North Central	18	146
South Atlantic	71	188
East South Central	13	42
West South Central	33	214
Texas	26	182
Mountain	263	236
Nevada	218	35
Pacific (except Hawaii)	285	1,949
Washington	56	261
California	210	1,530

1/ Top three states in each category are listed.

2/ Trips with both origin and destination within Hawaii.

Source: U.S. Bureau of Transportation Statistics, *1995 American Travel Survey, Summary Travel Characteristics, Hawaii* (1997), Pub. No. BTS/ATS95-ESTC/HI (Oct. 1, 1997), tables 6-11.

**Table 7.25-- PERSON TRIPS TO, FROM, AND WITHIN HAWAII, BY
SELECTED TRAVELER CHARACTERISTICS: 1995**

[Trips of 100 miles or more, one way. Excludes travel outside the U.S.]

Travel characteristics	Origin in Hawaii			Destination in Hawaii 1/	
	Total	Dest. in Hawaii	Dest. outside Hawaii	Total	Origin outside Hawaii
All person trips (1,000)	2,086	1,322	764	4,624	3,302
Age (percent):					
Under 25 years	18.7	20.5	15.8	17.2	15.8
60 years and over	16.5	11.4	25.4	14.6	15.9
Female (percent)	46.1	45.3	47.4	47.3	48.1
Race (percent):					
White	36.2	34.8	38.6	65.4	77.6
Black	1.7	1.1	2.7	2.0	2.3
Asian or Pacific Islander	55.7	56.2	54.8	29.2	18.4
Household income over \$60,000 (percent)	50.9	49.1	53.9	53.3	54.9
Married-couple household (percent)	74.3	71.8	78.5	74.9	76.1
Bachelor's degree or higher (percent) 2/	39.9	40.8	38.6	45.9	47.8
Activity status (percent): 2/					
Working full time	69.1	73.5	62.1	68.4	66.5
Retired	13.3	8.5	20.9	9.8	10.3
All household trips (1,000)	1,494	939	555	2,992	2,054
Mean round-trip distance (miles)	2,769	359	6,842	4,731	6,729
Business trip (percent)	41.6	48.4	30.1	30.3	22.0
Vacation trip (percent)	43.7	35.2	58.1	61.6	73.7
Mean nights away from home	6.7	3.4	10.7	8.6	10.3
Lodging at destination (percent):					
Friend's or relative's home	40.6	46.4	33.6	27.0	20.9
Hotel, motel, or resort	50.5	43.6	58.8	51.9	54.6

1/ Includes "destination in Hawaii, origin in Hawaii," same as figures in second column of data.

2/ Persons 16 years and over.

Source: U.S. Bureau of Transportation Statistics, *1995 American Travel Survey, Summary Travel Characteristics, Hawaii*, Pub. No. BTS/ATS95-ESTC/HI (Oct. 1, 1997), tables 1 and 11.

**Table 7.26-- PASSPORTS ISSUED BY THE HONOLULU PASSPORT AGENCY:
1997 TO 2000**

[Calendar year data. The area served by the Honolulu Passport Agency includes Hawaii, American Samoa, Guam, the Northern Mariana Islands, Palau, the Federated States of Micronesia, the Republic of the Marshall Islands, and Taiwan (beginning in calendar year 1997)]

Mailing address	1997	1998	1999	2000
Issued by Honolulu Office	66,607	66,472	67,046	66,540
Mailed to Hawaii addresses	43,790	43,490	44,786	43,060
Mailed outside the state	22,817	22,982	22,260	23,480

Source: U.S. Department of State, Honolulu Passport Agency, records.

Table 7.27-- PERFORMING ARTS, FOR OAHU: 1999-2000 SEASON

Name of organization and type of performance	Productions	Performances	Attendance
All reporting groups	22	491	161,976
Brigham Young University - Hawaii Campus	5	24	11,700
Diamond Head Theatre	6	95	36,730
Hawaii Pacific University (Hawaii Loa Campus)	3	39	3,000
Honolulu Theatre for Youth	8	333	110,546

Source: Hawaii State Department of Business, Economic Development & Tourism mail and telephone survey.

**Table 7.28-- SYMPHONY ORCHESTRA ACTIVITIES:
1986-1987 TO 1999-2000**

Season	Average number of orchestra personnel	Number of performances	Total attendance	Operating expenses (dollars)
HONOLULU SYMPHONY ORCHESTRA				
1986-1987 1/	80	85	139,703	2,394,804
1987-1988	79	127	184,897	4,143,347
1988-1989	80	134	215,808	4,234,275
1989-1990	80	141	183,434	4,978,813
1990-1991	80	101	160,214	5,465,467
1991-1992	80	127	204,253	6,160,301
1992-1993	80	127	194,866	5,983,729
1993-1994 2/	-	-	-	1,380,547
HAWAII SYMPHONY ORCHESTRA				
1994-1995 3/	62	115	120,000	4,700,000
HONOLULU SYMPHONY ORCHESTRA				
1995-1996 4/	80	45	65,000	2,343,305
1996-1997 5/	80	47	73,596	3,919,708
1997-1998	80	48	79,605	5,044,888
1998-1999	80	56	111,682	5,470,100
1999-2000	80	61	106,942	6,691,900

1/ Season shortened by musicians' strike, August 8-November 26, 1986.

2/ Concert season eliminated by musicians' strike.

3/ First season in operation. The attendance total is estimated.

4/ The Honolulu Symphony Society and the Musicians' Union reached a collective bargaining agreement on December 15, 1995 for a 14-week season, a shorter season than prior years.

5/ Recording of expenses in compliance with FASB 116 & 117 pertaining to not-for-profit corporations, for 18 week season.

Source: Honolulu Symphony Society, records; Hawaii Symphony Orchestra, records.

**Table 7.29-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL
ATTRACTIONS: 1998 TO 2000**

[Calendar year data unless otherwise specified]

Island and cultural attraction	1998	1999	2000
OAHU			
Battleship Missouri Memorial	(NA)	386,524	(NA)
Bernice P. Bishop Museum 1/	477,609	483,055	283,907
Byodo-In Temple	117,343	(NA)	(NA)
The Contemporary Museum 2/	34,830	33,508	34,120
Damien Museum and Archives	10,095	17,844	24,324
Diamond Head State Monument 3/	1,000,000	1,000,000	1,300,000
Foster Botanical Garden 4/	46,863	48,434	(NA)
Fred Ohrt Water Museum 5/	3,821	(NA)	(NA)
Halawa Shaft 6/	3,762	(NA)	(NA)
Halawa Xeriscape Garden 1/	9,975	(NA)	(NA)
Harold L. Lyon Arboretum	29,500	23,000	32,000
Hawaii Children's Discovery Center 7/	(NA)	49,472	(NA)
Hawaii Maritime Center	78,281	75,896	62,472
Hawaii Nature Center	(NA)	(NA)	(NA)
Honolulu Academy of Arts	215,219	211,560	277,300
Honolulu Zoo	622,517	563,922	584,320
Ho'omaluhia Botanical Garden	86,406	86,368	(NA)
Iolani Palace State Monument 1/	71,083	70,355	65,760
Judiciary History Center	35,455	37,937	38,360
Mission Houses Museum	19,500	(NA)	(NA)
Mormon Temple Grounds (Church of Jesus Christ of Latter-Day Saints, Hawaii Temple Visitor's Center)	107,153	112,709	116,196
Pacific Aerospace Museum	42,500	35,000	(NA)
Polynesian Cultural Center	779,086	793,932	807,210
Puu o Mahuka Heiau State Monument 3/	20,000	20,000	20,000
Queen Emma Summer Palace	17,257	16,541	16,443
Royal Mausoleum State Monument 3/	115,000	115,000	115,000
Sea Life Park Hawaii	407,242	356,123	(NA)
Senator Fong's Plantation and Gardens	105,242	106,675	(NA)
Tropic Lightning Museum 8/	10,738	10,568	12,541
Ulu Po Heiau State Monument 3/	5,000	5,000	5,000
U.S. Army Museum, Ft. DeRussy 8/	125,428	106,877	113,496
U.S.S. Arizona Memorial	1,366,499	1,410,218	1,452,704
U.S.S. Bowfin Submarine Museum	164,333	184,471	194,859
University of Hawaii Art Gallery	50,000	50,000	50,000
Waikiki Aquarium 1/	346,668	339,000	330,393
Waimea Falls Park	284,628	240,759	(NA)
Waipahu Cultural Garden Park	30,678	30,825	36,450

Continued on next page.

**Table 7.29-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL
ATTRactions: 1998 TO 2000 - Con.**

Island and cultural attraction	1998	1999	2000
HAWAII			
Astronaut Ellison S. Onizuka Space Center	17,631	19,132	17,727
Hawaii Tropical Botanical Garden	49,445	65,586	78,128
Greenwell Store Museum	7,050	1,106	1,201
Hawaii Volcanoes National Park 9/	2,653,330	2,771,899	2,673,817
Hulihee Palace	25,499	25,340	22,805
Lyman House Memorial Museum	19,128	20,212	21,627
Panaewa Rainforest Zoo	76,574	78,000	80,000
Parker Ranch Historic Homes 10/	13,618	16,729	12,797
Parker Ranch Visitor Center 10/	18,074	10,812	12,798
Volcano Art Center	102,500	101,000	101,000
Wailoa Center 1/	60,000	62,300	63,850
MAUI			
Alexander & Baldwin Sugar Museum	27,832	36,528	34,909
Halekii-Pihana Heiaus State Monument 1/	(NA)	(NA)	7,200
Hana Cultural Center	15,760	16,117	16,963
Hawaii Nature Center	55,699	91,470	(NA)
Iao Valley State Monument 1/	(NA)	(NA)	741,000
Kula Botanical Gardens	23,800	24,100	24,200
Lahaina Restoration Foundation	213,192	208,466	218,400
Baldwin Missionary Home Museum	56,703	57,837	52,632
Brig <i>Carthaginian</i>	57,673	51,329	44,656
Hale Pa'ahao (Old Lahaina Prison)	32,347	32,150	30,255
Hale Pa'i Printing House	4,020	5,950	5,177
Wo Hing Temple Museum	62,449	61,200	85,680
Maui Historical Society Bailey House Museum	14,000	14,352	(NA)
Maui Tropical Plantation	(NA)	(NA)	(NA)
Whalers Village Museum 11/	219,488	231,710	189,149
KAUAI			
Grove Farm Homestead	3,428	3,098	3,111
Kauai Museum	30,000	35,000	38,000
Kilauea National Wildlife Refuge 12/	400,000	400,000	400,000
Koikee Natural History Museum	111,810	120,336	113,862
National Tropical Botanical Garden	31,126	(NA)	(NA)
Waioli Mission House 13/	735	1,157	985

Continued on next page.

**Table 7.29-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL
ATTRactions: 1998 TO 2000 - Con.**

Island and cultural attraction	1998	1999	2000
MOLOKAI			
Kalaupapa Settlement	11,658	10,068	8,644

NA Not available.

1/ Years ended June 30.

2/ The Contemporary Museum also manage the First Hawaii Center Gallery (1998 attendance--30,000, 1999 attendance--40,000, 2000 attendance--33,375).

3/ Years ended June 30. 1998-00 Data estimates, Diamond Head State Monument attendance does not reflect paying users since some park users currently drive into and out of Diamond Head Crater without stopping.

4/ Also Koko Head Crater Botanical Garden (1999 attendance--8,000) and Wahiawa Botanical Garden (1999 attendance--5,000)

5/ Years ended June 30. The Fred Ohrt Museum was unavailable for tours for two months in 1998.

6/ Years ended June 30. The Halawa Shaft was closed down from 8/7/97 to 2/5/98 for equipment maintenance.

7/ Closed May 1994 to 1998, formerly Hawaii Children's Museum.

8/ Fiscal Year starts in October 1 and ends in September 30.

9/ Kilauea Visitor Center and Jagger Museum are included in the total attendance at Hawaii Volcanoes National Park.

10/ Parker Ranch also runs the Parker Ranch Wagon Tour (1999 attendance--4,112, 2000 attendance--3,743)

11/ In previous databooks The Whale Center of the Pacific comprised of two museums: Whalers Village Museum and Hale Kohola (House of the Whale), In July 1999 Hale Kohola was closed bringing an end to The Whale Center of the Pacific. Attendance figures for Hale Kohola are as follows 1998 attendance--206,644 and 1999 attendance through June--113,434.

12/ 1998-2000 Data estimates.

13/ Closed for repairs all of 1996 & 1997, opened June 1998.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual mail and telephone survey of attractions.

**Table 7.30-- CHARACTERISTICS OF MUSEUMS AND
OTHER CULTURAL ATTRACTIONS: 1996**

Characteristic	Amount
Number of establishments	94
Museums, galleries, arboretums	65
Annual revenues (\$1,000)	153,563.8
Percent from sources outside Hawaii	29.7
Total paid employment	3,302
Full-time equivalent	2,168
Full-time employment	1,900
Part-time employment	1,402
Full-time equivalent	268
Labor income (\$1,000)	74,809.5
Wages and salaries	59,294.5
Fringe benefits	15,514.6
Average earning per full-time employee (dollars)	34,506
Total attendance (1,000)	20,129.8
Total impact on--	
State economic output (\$1,000)	339,400
Household income (\$1,000)	142,500
Employment	5,163

Source: Juanita C. Liu, *The Economic Impact of Hawai'i Museums on the Local Economy* (Hawai'i Museums Association, September 8, 1997), tables 1 and 3.

Table 7.31-- NATIONAL PARKS: 1991 TO 2000

Year and area	Acreage, Dec. 31 1/			Visits
	Total	Federal	Non-federal	
1991	247,349	235,885	11,464	5,853,497
1992	247,349	235,885	11,464	5,701,769
1993	247,349	235,885	11,464	5,828,583
1994	247,349	235,885	11,464	6,077,475
1995	247,349	235,885	11,464	6,213,924
1996	247,349	235,885	11,464	6,192,178
1997	247,349	235,885	11,464	6,738,001
1998	247,349	235,885	11,464	6,274,424
1999	249,001	237,731	11,270	7,469,412
2000	249,001	237,731	11,270	6,517,693
AREAS: 2000				
Hawaii Volcanoes National Park	207,643	207,643	-	2,673,817
Haleakala National Park	29,195	29,195	-	1,649,171
Pu'uuhonua o Honaunau National Historical Park	182	182	-	419,518
Kaloko-Honokohau National Historical Park	1,161	616	545	47,328
Pu'ukohola Heiau National Historic Site	83	61	22	188,166
U.S.S. Arizona Memorial 2/	11	11	-	1,452,704
Kalaupapa National Historical Park 3/	10,726	23	10,703	86,989

NA Not available.

1/ Data exclude the Olaa Forest Tract. This 9,654-acre tract is entirely in Federal ownership, is managed by the National Park Service, and has been designated as part of the wilderness system by the Congress, but it is not within the legally authorized boundary of the Hawaii Volcanoes National Park.

2/ The U.S.S. Arizona Memorial is wholly within the Pearl Harbor Naval Base. The acreage figure is the approximate extent of the total area over which the National Park Service has been granted use rights by the U.S. Navy.

3/ Beginning in 2000 National Park Service will be keeping visitation figures for Kalaupapa National Historical Park.

Source: U.S. Department of the Interior, National Park Service, Pacific Island Support Office, records.

Table 7.32-- STATE PARKS AND HISTORIC SITES: 1990 TO 2000

Year and island	Number of areas, June 30	Acreage, June 30		Recreation visits, year ended June 30 (1,000)
		Total	Developed	
1990	77	24,857	887.3	19,727
1991	77	24,896	897.3	19,023
1992	80	25,056	921.7	19,255
1993 1/	70	24,779	772.7	15,112
1994	69	24,790	772.2	14,260
1995	69	25,476	772.2	14,221
1996	68	26,784	772.2	14,221
1997	68	26,554	711.2	12,852
1998	68	26,814	771.2	12,676
1999 2/	68	26,815	772.1	12,661
2000	68	26,815	772.1	13,004
ISLANDS: 1999				
Hawaii	16	2,695	272.9	4,521
Maui	9	332	37.9	1,885
Molokai	1	234	10.0	36
Oahu	21	9,590	259.8	3,388
Kauai	9	13,704	131.5	2,831
ISLANDS: 2000				
Hawaii	16	2,695	272.9	4,521
Maui	9	332	37.9	1,885
Molokai	1	234	10.0	36
Oahu	21	9,590	259.8	3,646
Kauai	9	13,704	131.5	2,831

1/ Declines since 1992 reflect transfer of 9 areas to the counties, and also closure of all Kauai state parks from Sept. 11, 1992 to March 20, 1993 because of damage caused by Hurricane Iniki.

2/ Number of areas figure revised.

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

Table 7.33-- MAJOR STATE PARKS: 1999 AND 2000

[Parks having at least 500,000 recreation visits or 1,000 acres]

Park	Acreage, June 30		Recreation visits, year ended June 30 (1,000)
	Total	Developed	
1999			
Old Kona Airport State Rec. Area	103.7	20.0	1,300
Hapuna Beach State Rec. Area	63.6	21.0	1,146
Wailua River State Park	1,093.0	37.4	1,144
Diamond Head State Monument 1/	493.4	8.0	1,000
Haena State Park	65.7	2.0	648
Wailoa River State Recreation Area	131.9	97.0	589
Na Pali Coast State Park	6,175.0	4.0	80
Kahana Valley State Park	5,256.5	26.0	88
Kokee State Park	4,345.0	55.0	304
Waimea Canyon State Park	1,866.4	10.0	345
Kekaha Kai State Park	1,642.0	40.0	127
Sacred Falls State Park 2/	1,375.9	10.0	42
2000			
Old Kona Airport State Rec. Area	103.7	20.0	1,300
Hapuna Beach State Rec. Area	63.6	21.5	1,140
Wailua River State Park	1,093.0	37.4	1,144
Diamond Head State Monument 1/	493.4	8.0	1,300
Haena State Park	65.7	2.0	648
Wailoa River State Recreation Area	131.9	97.0	589
Na Pali Coast State Park	6,175.0	4.0	80
Kahana Valley State Park	5,256.5	26.0	88
Kokee State Park	4,345.0	55.0	304
Waimea Canyon State Park	1,866.4	10.0	345
Kekaha Kai State Park	1,642.0	40.0	127
Sacred Falls State Park 2/	1,375.9	10.0	0

1/ Diamond Head State Monument attendance does not reflect paying users since some park users currently drive into and out of Diamond Head Crater without stopping.

2/ Park closed since May 1999.

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

**Table 7.34-- NATIONAL AND STATE HISTORIC SITES, BY ISLANDS:
1999 AND 2000**

[As of December 31]

Island	Total sites	Listed Hawaii Register only	Listed National Register only	Listed both Hawaii and National Register	Eligible for National Register 1/
1999					
State total	652	288	110	218	36
Hawaii	125	56	23	41	5
Maui	63	37	4	21	1
Kahoolawe	1	-	1	-	-
Lanai	2	-	-	2	-
Molokai	93	41	10	40	2
Oahu	287	117	68	79	23
Kauai	81	37	4	35	5
2000					
State total	659	287	110	226	36
Hawaii	126	57	23	41	5
Maui	64	30	4	29	1
Kahoolawe	1	-	1	-	-
Lanai	2	-	-	2	-
Molokai	93	41	10	40	2
Oahu	292	122	68	79	23
Kauai	81	37	4	35	5

1/ Sites declared eligible for National Register listing by the National Board.

Source: Hawaii State Department of Land and Natural Resources, State Historic Preservation Division, records.

Table 7.35-- ZOOS: 1997 TO 2000

Subject and Zoo	1997	1998	1999	2000
Species: 1/				
Honolulu Zoo	314	304	(NA)	303
Panaewa Rainforest Zoo (Hilo)	65	70	65	73
Individuals: 1/				
Honolulu Zoo	1,364	1,335	(NA)	1,229
Panaewa Rainforest Zoo (Hilo)	196	200	185	171
Attendance:				
Honolulu Zoo	634,105	622,517	(NA)	584,320
Panaewa Rainforest Zoo (Hilo) 2/	77,790	76,574	78,000	80,000

NA Not available.

1/ Animal and bird inventory, December 31.

2/ Attendance figures for the Panaewa Rainforest Zoo for 1999 and 2000 are estimates.

Source: Data obtained by Hawaii State Department of Business, Economic Development & Tourism from the County of Hawaii and the Honolulu Zoo records.

Table 7.36-- AQUATIC COLLECTIONS: 2000

[For annual attendance, see table 7.31]

Phylum or class	Sea Life Park, June 30, 2000		Waikiki Aquarium, June 30, 2000	
	Species	Individuals	Species	Individuals
Total	128	4,538	400	2,150
Fishes	76	463	187	527
Reptiles	2	62	2	2
Mammals	1/ 7	1/ 60	1	3
Invertebrates	42	4,000	210	1,618
Birds	1	13	-	-

1/ Plus 1 hybrid dolphin/whale.

Source: Sea Life Park, records; Waikiki Aquarium, records.

Table 7.37-- COUNTY PARKS, BY ISLANDS: 1998 TO 2000

[As of December 31]

Island	Number			Acreage		
	1998	1999	2000	1998	1999	2000
State totals	(NA)	(NA)	627	6,768	(NA)	8,466
Hawaii	135	135	135	1,361	1,377	1,377
Maui	115	115	124	1,054	1,054	1,107
Lanai	4	4	5	15	15	16
Molokai	13	13	14	73	73	75
Oahu 1/	(NA)	(NA)	283	3,862	7,030	5,891
Kauai	64	(NA)	66	403	(NA)	412

NA Not available.

1/ 1998-2000 numbers exclude Botanical Gardens, Zoo & Golf Courses.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from data provided by County parks and recreation departments.

Table 7.38-- ATTENDANCE AND WATER SAFETY AT GUARDED BEACH PARKS, FOR THE CITY AND COUNTY OF HONOLULU: 2000

Beach park	Estimated attendance 1/	Rescues	Drownings	Surfing accidents
All parks	17,285,810	1,161	7	697
Ala Moana	1,743,915	70	-	17
Alii/Haleiwa	320,549	33	-	13
Bellows	82,695	1	-	-
Ehukai	452,628	51	-	44
Hanauma	1,691,057	318	1	-
Kailua	408,152	3	1	-
Keauwaula	137,021	27	-	22
Ke Waena	236,183	3	-	8
Kualoa	131,535	5	-	-
Mali	336,092	16	-	3
Makaha	454,932	22	-	33
Makapuu	198,790	59	1	11
Nanakuli	309,857	53	-	6
Pokai Bay	363,942	12	-	1
Sandy	547,994	184	-	67
Sunset	672,273	39	-	14
Waikiki	8,205,039	141	4	424
Waimanalo	273,846	7	-	8
Waimea	719,310	117	-	26

1/ Based on headcounts taken at approximately two-hour intervals by Water Safety Officers over an 8-hour work day.

Source: City and County of Honolulu, Emergency Services Department, Ocean Safety & Lifeguard Services Division, records.

Table 7.39-- SWIMMING AND SURFING SITES, BY ISLANDS

Subject	Six islands	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
Miles of sandy shoreline 1/ Primary 2/ Other	184.9 24.4 160.5	19.4 1.2 18.2	32.6 7.9 24.7	18.2 - 18.2	23.2 - 23.2	50.3 12.5 37.8	41.2 2.8 38.4
Number of surfing sites 3/	1,600	185	212	99	180	594	330

1/ Surveyed in 1962.

2/ Safe, clean, accessible, and generally suitable for swimming.

3/ Surveyed in 1971. A surfing site is defined as "a specific wave-breaking zone caused by a shoal and having sufficient consistency to be identified as a surfable riding area, either seasonally or in a combination of seasons, e.g., Queen's Surf, Waikiki."

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's Shoreline* (1965), p. 7; Surfing Education Association, *The 1971 Statewide Surfing Site Survey*, Vol. 1, p. 93.

Table 7.40-- COUNTY TENNIS FACILITIES: 1998 TO 2000

[As of December 31]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
Locations:							
1998	(NA)	20	11	1	1	(NA)	9
1999	(NA)	20	12	1	1	45	(NA)
2000	33	19	12	1	1	45	9
Courts:							
1998	311	45	39	2	2	201	22
1999	(NA)	45	41	2	2	179	(NA)
2000	89	43	42	2	2	179	22

NA Not available.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from the County parks and recreation departments.

Table 7.41-- GOLF COURSES, BY NUMBER OF HOLES, OWNERSHIP, AND ISLANDS: 2001

Status, island, and ownership	Number of golf courses						Number of holes
	Total	9-hole	18-hole	27-hole	36-hole	54-hole	
State total	77	10	56	2	5	2	1,495
Hawaii	17	2	13	-	2	-	324
Municipal	1	-	1	-	-	-	18
Private	16	2	12	-	2	-	306
Maui	10	1	5	-	2	2	279
Municipal	1	-	1	-	-	-	18
Private	9	1	4	-	2	2	261
Lanai	3	1	2	-	-	-	45
Private	3	1	2	-	-	-	45
Molokai	2	1	1	-	-	-	27
Private	2	1	1	-	-	-	27
Oahu	36	3	29	3	1	-	666
Military	7	1	5	1	-	-	126
Municipal	6	1	5	-	-	-	99
Private	23	1	19	2	1	-	441
Kauai	9	2	6	1	-	-	154
Municipal	1	-	1	-	-	-	18
Private 1/	8	2	5	1	-	-	136

1/ Grove Farm Golf Course is a 10 hole course which has been listed under 9-hole courses on table.

Source: *The Honolulu Advertiser*, May 24, 2001.

**Table 7.42-- COUNTY GOLF COURSES AND CAMPING PERMITS,
FOR OAHU: 1991 TO 2000**

Calendar year	Public golf courses			Camping permits issued 1/
	Courses	Holes	Rounds played	
1991	5	81	580,888	9,633
1992	5	81	654,726	9,938
1993	5	81	638,972	10,251
1994	5	81	580,120	8,778
1995	6	99	650,934	10,514
1996	6	99	685,191	10,622
1997	6	99	686,188	15,804
1998	6	99	747,379	16,929
1999	(NA)	(NA)	(NA)	16,884
2000	6	99	663,710	16,947

NA Not available.

1/ By the City and County of Honolulu, camping permits issued reflect cumulative family and group camping permits.

Source: City and County of Honolulu, Department of Parks and Recreation, records and Department of Enterprise Services, records.

Table 7.43-- SONY OPEN SCORES AND PURSES: 1992 TO 2001

[The Sony Open (Formerly the Hawaiian Open) is held at the Waialae Country Club golf course. Distance is 7,060 yards; par is 70/280]

Year	Holes	Winning score		Purse (dollars)	
		Total	Below par	Total	Winner
1992	72	265	23	1,200,000	216,000
1993	72	269	19	1,200,000	216,000
1994	72	269	19	1,200,000	216,000
1995	72	269	19	1,200,000	216,000
1996	72	277	11	1,200,000	216,000
1997	72	271	17	1,200,000	216,000
1998	72	260	28	1,800,000	324,000
1999	72	271	9	2,600,000	468,000
2000	72	261	19	2,900,000	522,000
2001	72	260	20	4,000,000	720,000

Note: Up until 1998, event known as the Hawaiian Open, which was held at the Waialae Country Club golf course. Distance was 6,975 yards; par was 72/288

Source: *Honolulu Star-Bulletin*, various issues.

Table 7.44-- PUBLIC HUNTING AREAS AND WILDLIFE SANCTUARIES AND REFUGES, BY ISLANDS: OCTOBER 30, 2000

Island	Public hunting areas		Other wildlife sanctuaries and refuges	
	Number	1,000 acres	Number	1,000 acres
State total	60	1,192.3	53	94.9
Hawaii	26	905.4	8	83.3
Maui	7	90.7	10	0.3
Lanai	1	30.0	4	0.0
Molokai	1	16.0	6	0.0
Oahu	12	24.5	18	0.7
Kauai	13	125.7	7	10.5

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

Table 7.45-- FISHING AND HUNTING LICENSES ISSUED: 1995 TO 2000

[Years ended June 30]

Type of license	1995	1996	1997 1/	1998	1999 1/	2000
Freshwater fishing	7,740	6,557	6,505	6,876	5,937	5,279
Hunting 2/	10,863	10,969	10,477	10,061	9,810	9,804

1/ Hunting licenses figures have been revised from previous year data book.

2/ Hunting licenses for year 2000 has yet to be certified.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources and Division of Forestry and Wildlife, records.

Table 7.46-- FISHING, HUNTING, AND WILDLIFE-ASSOCIATED RECREATION OF PERSONS 16 YEARS OF AGE AND OLDER: 1996

[For 1980 survey results, see *Data Book 1984*, table 251]

Subject	All activities	Hunting and fishing			Wildlife watching
		Both	Fishing	Hunting	
Hawaii residents: 1/					
Participants (1,000)	201	136	132	21	123
Expenditures (million dollars)	182	112	(NA)	(NA)	70
Taking place in Hawaii: 2/					
Participants, total (1,000)	(NA)	(NA)	260	23	255
Hawaii residents	(NA)	(NA)	130	23	51
Residents of other states	(NA)	(NA)	130	(B)	204
Expenditures (million dollars)	445	150	130	16	295

B Sample size too small to report data reliably.

NA Not available

1/ Estimated population 16 years old or more was 900,000.

2/ Excludes foreign residents.

Source: U.S. Fish and Wildlife Service and U.S. Bureau of the Census, *1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation* (November 1997), pp. 97-103, 107, 111, 113.

Table 7.47-- HONOLULU MARATHON REGISTRANTS, FINISHERS AND WINNING TIMES: 1992 TO 2000

Year	Number of registrants	Number of finishers	Winning time (hr., min., sec.)	
			Men	Women
1992	30,905	23,515	2:14:19	2:32:13
1993	29,514	23,640	2:13:16	2:32:20
1994	32,771	25,833	2:15:04	2:37:06
1995	34,434	27,022	2:16:08	2:37:29
1996	30,864	24,414	2:13:23	2:34:28
1997	33,682	26,495	2:12:17	2:33:14
1998	27,704	22,112	2:14:53	2:33:27
1999	26,724	21,211	2:16:45	2:32:36
2000	26,465	22,636	2:15:19	2:28:33

Source: Honolulu Marathon Association, records; Honolulu Marathon Records & Statistics, at <http://www.honolulumarathon.org/stats.html>

Table 7.48-- IRONMAN TRIATHLON WORLD CHAMPIONSHIP PARTICIPANTS, FINISHERS, AND WINNING TIMES: 1992 TO 2000

Year	Number of participants	Number of finishers	Winning time (hr., min., sec.)	
			Men	Women
1992	1,379	1,298	8:09:08	8:55:29
1993	1,438	1,353	8:07:45	8:58:23
1994	1,405	1,290	8:20:27	9:20:14
1995	1,444	1,325	8:20:34	9:16:46
1996	1,421	1,288	8:04:08	9:06:49
1997	1,478	1,365	8:33:01	9:31:43
1998	1,487	1,379	8:24:20	9:24:16
1999	1,463	1,411	8:17:17	9:13:02
2000	1,525	1,426	8:21:01	9:26:17

Source: Ironman Triathlon World Championship, records; 1995-1998 race results from JTL Timing Systems Hawaii at "<http://www.ironmantri.com>" and 1999-2000 race results from "<http://www.ironmanlive.com>" Internet Website.

**Table 7.49-- TRANSPACIFIC YACHT CLUB'S HONOLULU RACE ENTRIES
AND WINNING TIMES: 1985 TO 2001**

[The Honolulu Race, sponsored by the Transpacific Yacht Club of Los Angeles, is run biennially between San Pedro, California, and Diamond Head Lighthouse, a great circle distance of 2,217 nautical miles]

Year	Boats entered	Winning times (days, hours, minutes, seconds)	
		Elapsed	Corrected
1985	65	13:06:31:19	9:14:07:40
1987	55	8:12:00:40	8:00:56:41
1989	45	8:12:50:35	8:02:54:08
1991	42	10:08:59:35	9:22:34:13
1993	42	9:09:11:17	8:28:09:06
1995	35	9:01:32:02	8:22:41:48
1997	39	8:06:31:00	7:01:46:11
1999	33	8:02:52:27	7:08:40:10
2001	34	10:17:49:19	8:01:01:08

Source: Transpac 2001 website, <http://www.transpacifyc.org>.

**Table 7.50-- TOTAL ATTENDANCE AT FOOTBALL BOWL GAMES:
1995-1996 TO 2000-2001 SEASONS**

Bowl	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001
Oahu Bowl 1/ Aloha Bowl	(NA)	(NA)	(NA)	34,803	40,974	24,187
Hula Bowl 2/ Pro Bowl	20,780	19,467	34,419	34,803	40,974	24,397
	14,933	14,725	20,079	23,719	23,719	23,719
	47,066	47,205	49,995	50,075	50,112	50,128

NA Not applicable, the Oahu Bowl first played in 1998.

1/ From 1998-99, the Aloha Bowl is played in conjunction with the Oahu Bowl, attendance numbers reflect total attendance during both games, in 2000 the Oahu Bowl and Aloha Bowl were played on separate days.

2/ The Hula Bowl has been played at Maui's War Memorial Stadium from the 1997-98 season.

Source: Aloha Stadium and Rivals.com Hula Bowl, records; *Honolulu Star-Bulletin*, various issues.

**Table 7.51-- VARSITY SPORTS SUMMARY FOR THE UNIVERSITY OF
HAWAII AT MANOA: 1997-1998 TO 1999-2000**

[Includes only games played against four-year collegiate teams]

Sports	Games played 1/				Home games	
	Total	Won	Lost	Tied	Home dates	Attendance
1997-1998:						
Baseball	56	34	22	-	39	98,436
Basketball (men's)	30	21	9	-	22	211,520
Basketball (women's)	28	24	4	-	18	38,201
Football	12	3	9	-	8	267,528
Volleyball (men's)	29	23	6	-	19	135,180
Volleyball (women's)	33	25	8	-	19	129,622
1998-1999:						
Baseball	57	37	20	-	36	98,668
Basketball (men's)	26	6	20	-	18	149,351
Basketball (women's)	37	17	10	-	20	40,399
Football	12	0	12	-	9	234,821
Volleyball (men's)	29	19	10	-	18	112,054
Volleyball (women's)	35	32	3	-	26	144,476
1999-2000:						
Baseball	56	28	28	-	39	95,386
Basketball (men's)	29	17	12	-	19	133,559
Basketball (women's)	29	20	9	-	19	32,544
Football 2/	13	9	4	-	10	348,095
Volleyball (men's)	29	19	10	-	19	106,662
Volleyball (women's)	31	29	2	-	21	149,910

1/ Volleyball data refer to matches.

2/ Number of home games (10) includes Jeep Oahu Bowl, but attendance from Bowl game not included in final totals since game was not UH sponsored.

Source: University of Hawaii, Office of Intercollegiate Athletics, Sports Media Relations, records.

**Table 7.52-- PUBLIC HIGH SCHOOL INTERSCHOLASTIC SPORTS:
1996-1997 AND 1997-1998 SEASONS**

Sport	Players	Games 1/	Attendance	Expenditure 2/ (dollars)
1996-1997: 3/ Baseball	Boys	351	17,430	53,200
Basketball	Boys and girls	946	116,237	144,700
Football	Boys	282	190,412	120,575
1997-1998: Baseball	Boys	374	18,380	54,850
Basketball	Boys and girls	945	123,650	146,945
Football	Boys	289	210,425	129,800

1/ Junior varsity and varsity games, based on published schedules from public school leagues. Data exclude pre-season and post-season games.

2/ Data on expenditures reflect figures from the general and school trust funds.

3/ Because of possible changes in data collecting, numbers may not be comparable to those published in previous years.

Source: Hawaii State Department of Education, Office of Accountability and School Instructional Support, records.

Table 7.53-- PROFESSIONAL BOXING: 1993 TO 2000

Year	Number of promoters	Number of shows	Paid attendance	Gross receipts (dollars)
1993	1	1	472	12,385
1994	3	6	8,022	191,150
1995	2	4	2,636	48,280
1996	3	3	2,653	64,781
1997	2	3	1,967	44,645
1998	2	3	2,059	52,510
1999	1	1	479	10,120
2000	3	5	3,106	77,155

Source: Hawaii State Department of Commerce and Consumer Affairs, Boxing Commission, records.

Table 7.54-- DOG LICENSES ISSUED, BY ISLANDS: 1993 TO 2000

[Dogs are licensed on a biennial basis]

Year	State total	Hawaii	Maui 1/	Lanai	Molokai	Oahu	Kauai
1993	27,586	4,006	2,427	26	46	20,081	1,000
1994	29,010	4,099	3,171	26	57	19,485	2,172
1995	28,442	4,911	1,446	82	48	20,030	1,925
1996	30,376	5,381	699	32	58	21,245	2,961
1997	28,395	5,871	1,378	33	80	19,713	1,320
1998	28,645	5,777	649	35	83	19,861	2,240
1999	28,245	6,311	581	29	84	20,039	1,201
2000	26,560	5,627	2/ 4,587	57	25	20,066	785

1/ Beginning in January 1995, the number of registrations issued by the animal shelter was not included in the count. Therefore, the figures for 1995-1999 were affected by this change.

2/ For year 2000 Maui County reported Maui Island data in fiscal year July 1, 1999 to June 30, 2000 was 687 and animal shelter data was obtained for the same period was 3,900.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from the County Departments of Finance; Hawaiian Humane Society (for Oahu, 1995-2000); and Maui Humane Society (for Maui in 2000).

Section 8

ELECTIONS

This section presents data on election districts, registered voters, votes cast, campaign expenditures, elected officials, and legislative activity.

The official results of primary, general, and special elections are published by the Hawaii State Office of Elections. Additional information is often available from the various county clerks. Earlier figures for Hawaii appear in *Historical Statistics of Hawaii*, Section 24. National statistics appear in the *Statistical Abstract of the United States: 2000*, Section 8.

Table 8.01-- POPULARLY ELECTED OFFICIALS OF STATE AND LOCAL GOVERNMENTS: 1967 TO 1992

Year	Elected State and local officials			Elected State officials	Elected local officials
	Number	Rank 1/	Rate 2/		
1967	184	50	2.5	89	95
1977	172	50	1.9	87	85
1987	160	50	1.5	91	69
1992	183	50	1.7	91	92

1/ Among the 50 States.

2/ Per 10,000 population. In 1992, Hawaii ranked 50th among the 50 States in this rate.

Source: U.S. Bureau of the Census, *1987 Census of Governments*, Vol. 1, *Government Organization*, No. 2, *Popularly Elected Officials*, GC87(1)-2, January 1990, table 2; *1992 Census of Governments*, GC92(1)-2, *Popularly Elected Officials* (June 1995), tables 2 and 3.

Table 8.02-- POPULATION OF VOTING AGE AND PERCENT VOTING: 1990 TO 2000

Subject	1990	1992	1994	1996	1998	2000
Persons of voting age 1/ (1,000)	841	861	875	886	902	909
Casting votes 2/ (1,000)	453	464	489	545	601	(NA)
Percent	53.9	53.9	55.9	61.5	66.6	(NA)

NA Not available.

1/ Resident population 18 years and over, including Armed Forces stationed in Hawaii, aliens, and

2/ General elections.

institutional population. November estimates.

Source: *Statistical Abstract of the United States : 1999*, p. 302; U.S. Census Bureau, *Table 3. Estimates and Projections of the Voting-Age Population, 1992 to 2000, and Percent Casting Votes for President, by State: November 1992 and 1996* (July 31, 2000) at <http://www.census.gov/population/socdemo/voting/proj00/tab03.txt>; *Data Book 1998*, p. 253.

**Table 8.03-- REPORTED VOTING AND REGISTRATION, BY SEX:
NOVEMBER 1998**

[Civilian noninstitutional population of voting age]

Sex	All persons (1,000)	Total registered		Total voted	
		Number (1,000)	Percent	Number (1,000)	Percent
Both sexes	855	463	1/ 54.1	411	2/ 48.1
Male	396	222	56.2	202	50.9
Female	459	240	52.4	210	45.7

1/ The U.S. percentage was 62.1. Hawaii ranked 47th among the 50 States, with the largest number ranking 1.

2/ The U.S. percentage was 41.9. Hawaii ranked 15th among the 50 States, with the largest number ranking 1.

Source: U.S. Census Bureau, *Reported Voting and Registration, by Sex, Race, and Hispanic Origin, for States: November 1998* at <http://www.census.gov/population/socdemo/voting/cps1998/tab04.txt>.

**Table 8.04-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND
GENERAL ELECTIONS, BY COUNTIES: 2000**

Election and county	Registered voters			Votes cast	
	Both sexes	Male	Female	Number	Percent of reg. voters
PRIMARY ELECTION					
State total	629,162	306,090	323,072	250,848	39.9
Hawaii	83,052	39,942	43,110	35,867	43.2
Maui	72,177	35,555	36,622	21,403	29.7
Honolulu	439,934	214,046	225,888	180,114	40.9
Kauai	33,999	16,547	17,452	13,464	39.6
GENERAL ELECTION					
State total	637,349	309,709	327,640	371,033	58.2
Hawaii	84,421	40,584	43,837	51,368	60.8
Maui	73,331	36,155	37,176	39,665	54.1
Honolulu	444,945	216,153	228,792	257,840	57.9
Kauai	34,652	16,817	17,835	22,205	64.1

Source: State of Hawaii, Office of Elections, *Results of Votes Cast, Primary and General Elections* ;
<http://www.state.hi.us/elections/reslt00/index.htm>.

**Table 8.05-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND
GENERAL ELECTIONS: 1976 TO 2000**

Type and date of election	Registered voters			Votes cast	
	Both sexes	Male	Female	Number	Percent of reg. voters
PRIMARY ELECTIONS:					
1976: Oct. 2	353,249	175,276	177,973	251,457	71.2
1978: Oct. 7	387,673	190,796	196,877	289,029	74.6
1980: Sept. 20	384,858	186,982	197,876	264,041	68.6
1982: Sept. 18	385,307	185,763	199,544	272,691	70.8
1984: Sept. 22	398,858	190,525	208,333	221,957	55.6
1986: Sept. 20	398,197	189,655	208,542	281,352	70.6
1988: Sept. 17 1/	419,441	199,440	220,001	275,673	65.7
1990: Sept. 22	436,323	207,897	228,426	276,407	63.3
1992: Sept. 19	432,723	206,642	226,081	251,576	58.1
1994: Sept. 17	468,739	225,986	242,753	309,700	66.1
1996: Sept. 21	531,892	257,616	274,276	275,548	51.8
1998: Sept. 19	582,558	282,773	299,785	291,069	50.0
2000: Sept. 23	629,162	306,090	323,072	250,848	39.9
GENERAL ELECTIONS:					
1976: Nov. 2	363,045	180,265	182,780	309,089	85.1
1978: Nov. 7	395,262	194,412	200,850	292,690	74.0
1980: Nov. 4	402,795	195,804	206,991	318,026	78.9
1982: Nov. 2	405,005	195,259	209,746	325,459	80.3
1984: Nov. 6	418,904	200,424	218,480	349,253	83.3
1986: Nov. 4	419,794	200,233	219,561	344,387	82.0
1988: Nov. 8	443,742	211,539	232,203	368,567	83.0
1990: Nov. 6	453,389	216,433	236,956	354,144	78.1
1992: Nov. 3	464,495	222,721	241,774	382,882	82.4
1994: Nov. 8	488,889	236,251	252,638	377,011	77.1
1996: Nov. 5	544,916	264,084	280,832	370,230	67.9
1998: Nov. 3	601,404	292,307	309,097	412,520	68.6
2000: Nov. 7	637,349	309,709	327,640	371,033	58.2

1/ Distribution by sex as of September 1, 1988, 16 days before the election.

Source: State of Hawaii, Office of Elections, *Result of Votes Cast, Primary and General Elections*, and records; <http://www.state.hi.us/elections/reslt00/index.htm>.

**Table 8.06-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:
PRIMARY ELECTION, SEPTEMBER 23, 2000**

Office, party, and candidate	Votes	Office, party, and candidate	Votes
U.S. SENATE		U.S. HOUSE, DISTRICT 2	
Democrat:		Democrat:	
Akaka, D.	150,507	Mink, P.	66,255
Reyes, A.	16,312	Collins, C.	10,663
Republican:		Republican:	
Carroll, J.	33,349	Francis, R.	20,354
Douglass, E.	6,117	Douglass, C.	5,986
Deluze, J.	3,910	Donavan, J.	3,852
Friel, H.	3,277	Libertarian:	
Libertarian:		Duquesne, L.	277
Mallan, L.	664	CITY AND COUNTY OF HONOLULU, MAYOR	
Natural Law:		Harris, J.	94,067
Clegg, L.	469	Hannemann, M.	65,652
Constitution:		Fasi, F.	23,293
Porter, D.	122	Hong, L.	1,363
Manner, P.	76	Dickyj	346
U.S. HOUSE, DISTRICT 1		Powers, M.	317
Democrat:		Bellows, B.	279
Abercrombie, N.	72,289	Hitchcock, L.	191
Bourgoin, D.	13,115	CITY AND COUNTY OF HONOLULU, PROSECUTING ATTORNEY	
Republican:		Carlisle, P.	128,910
Meyers, P.	9,408		
Hayes, G.	7,783		
Libertarian:			
Murphy, J.	375		

Continued on next page.

**Table 8.06-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES:
PRIMARY ELECTION, SEPTEMBER 23, 2000 -- Con.**

Office, party, and candidate	Votes	Office, party, and candidate	Votes
COUNTY OF HAWAII, MAYOR		COUNTY OF HAWAII, PROSECUTING ATTORNEY	
Democrat:		Democrat:	
Holschuh, F.	10,727	Kimura, J.	11,934
Herkes, R.	7,191	Carreira, B.	5,843
Navarro, G.	672		
Republican:		COUNTY OF KAUAI, PROSECUTING ATTORNEY	
Kim, H.	9,940	Soong, M.	8,552
Tajiri, H.	4,030		
Kaehuaea, W.	151		
Gregory, S.	86		
Roudebush, D.	86		
Nachbar, M.	76		
Nonpartisan:			
Alder, J.	40		
Peacock, M.	6		
Green:			
Bonk, K.	1,315		
Wheat, B.	21		

Source: State of Hawaii, Office of Elections; <http://www.state.hi.us/elections/reslt00/index.htm>.

**Table 8.07-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTIONS:
1988 TO 2000**

Year	Total votes cast	Democratic	Republican	Other parties	Nonpartisan	Invalid or blank
1988	275,673	221,340	50,924	563	1,340	1,180
1990	276,407	221,839	48,563	963	3,847	1,195
1992	251,576	194,945	49,379	4,290	1,815	1,147
1994	309,700	212,270	58,316	35,355	2,045	1,714
1996	275,548	213,512	54,644	3,273	2,443	1,676
1998	291,069	122,977	159,126	752	197	8,017
2000	250,848	177,269	61,178	2,987	72	9,342

Source: State of Hawaii, Office of Elections, *Results of Votes Cast, Primary Election*, and records.

**Table 8.08-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTION,
BY COUNTIES: SEPTEMBER 23, 2000**

Party	State total	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
Total votes cast	250,848	35,867	21,403	180,114	13,464
Aloha 'Aina	136	-	33	103	-
Constitution	199	2	12	171	14
Democratic	177,269	19,452	16,303	130,597	10,917
Hawaii Green	1,391	1,352	39	-	-
Libertarian	784	39	68	611	66
Natural Law	477	5	62	343	67
Reform	-	-	-	-	-
Republican	61,178	14,482	4,334	40,313	2,049
Nonpartisan	72	46	-	26	-
Invalid	9,342	489	552	7,950	351

Source: State of Hawaii, Office of Elections, *Results of Votes Cast, Primary Election*.

Table 8.09-- NUMBER OF PRECINCTS, REGISTERED VOTERS, AND VOTES CAST, BY ISLAND: NOVEMBER 7, 2000

Island	Number of precincts	Registered voters	Votes cast	Percent voting
State total	336	637,349	371,299	58.3
Hawaii	60	84,421	51,388	60.9
Maui	36	61,830	33,677	54.5
Lanai	1	1,616	857	53.0
Molokai: Molokai District	4	9,812	5,111	52.1
Kalawao District	1	73	47	64.4
Oahu 1/	214	444,945	258,002	58.0
Kauai	19	34,546	22,217	64.3
Niihau	1	106	-	0.0

1/ Includes the Northwestern Hawaiian Islands as part of the 51st Representative District. Includes count of overseas ballots.

Source: State of Hawaii, Office of Elections; <http://www.state.hi.us/elections/reslt00/index.htm>.

Table 8.10-- AGE AND SEX OF REGISTERED VOTERS: NOVEMBER 3, 1998

Age	Both sexes	Male	Female
All ages	601,404	292,307	309,097
18 or 19 years	10,921	5,135	5,786
20 to 29 years	94,812	45,451	49,361
30 to 39 years	119,062	57,797	61,265
40 to 49 years	132,849	65,046	67,803
50 to 64 years	130,650	64,331	66,319
65 years and over	113,103	54,547	58,556
Not reported	7	-	7

Source: Hawaii State Office of Elections, records.

**Table 8.11-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS,
1986 TO 2000**

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
PRESIDENT						
1988	354,461	Dukakis, M.	192,364	Bush G.	158,625	3,472
1992	372,842	Clinton, W.	179,310	Bush, G.	136,822	56,710
1996	360,120	Clinton, W.	205,012	Dole, R.	113,943	41,165
2000	367,951	Gore, A.	205,286	Bush, G.W.	137,845	24,820
U.S. SENATOR						
1986	328,797	Inouye, D.	241,887	Hutchinson, F.	86,910	-
1988	323,876	Matsunaga, S.	247,941	Hustace, M.	66,987	8,948
1990	349,666	Akaka, D. 2/	188,901	Saiki, P.	155,978	4,787
1992	363,662	Inouye, D.	208,266	Reed, R.	97,928	57,468
1994	356,902	Akaka, D.	256,189	Hustace, M.	86,320	14,393
1998	398,124	Inouye, D.	315,252	Young, C.	70,964	11,908
2000	345,623	Akaka, D.	251,215	Carroll, J.	84,701	9,707
U.S. REPRESENTATIVE, DISTRICT 1						
1986	168,377	Hannemann, M.	63,061	Saiki, P.	99,683	5,633
1988 3/	177,020	Bitterman, M.	76,394	Saiki, P.	96,848	3,778
1990	162,711	Abercrombie, N.	97,622	Liu, M.	62,982	2,107
1992	177,476	Abercrombie, N.	129,332	Sutton, W.	41,575	6,569
1994	176,706	Abercrombie, N.	94,754	Swindle, O.	76,623	5,329
1996	172,206	Abercrombie, N.	86,732	Swindle, O.	80,053	5,421
1998	189,571	Abercrombie, N.	116,693	Ward, G.	68,905	3,973
2000	157,194	Abercrombie, N.	108,517	Meyers, P.	44,989	3,688
U.S. REPRESENTATIVE, DISTRICT 2						
1986	162,819	Akaka, D.	123,830	Hustace, M.	35,371	3,618
1988	162,808	Akaka, D.	144,802	None	-	18,006
1990	178,288	Mink, P.	118,155	Poepoe, A.	54,625	5,508
1992	180,955	Mink, P.	131,454	Price, K.	40,070	9,431
1994	177,396	Mink, P.	124,431	Garner, R.	42,891	10,074
1996	180,963	Mink, P.	109,178	Pico, T.	55,729	16,056
1998	207,871	Mink, P.	144,254	Douglass, C.	50,423	13,194
2000	183,230	Mink, P.	112,856	Francis, R.	65,906	4,468

Continued on next page.

**Table 8.11-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS,
1986 TO 2000 -- Con.**

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
STATE GOVERNOR						
1986	334,115	Waihee, J.	173,655	Anderson, D.	160,460	-
1990	340,132	Waihee, J.	203,491	Hemmings, F.	131,310	5,331
1994	369,013	Cayetano, B.	134,978	Saiki, P.	107,908	(4/)
1998	407,556	Cayetano, B.	204,206	Lingle, L.	198,952	4,398
CITY & COUNTY OF HONOLULU, MAYOR 5/						
1988	263,882	Bornhorst, M.	117,479	Fasi, F.	146,403	-
1992	263,328	O'Connor, D.	124,719	Fasi, F.	127,939	10,670
1996 6/	254,780	-	-	-	-	254,780
2000 7/	189,432	-	-	-	-	189,432
COUNTY OF HAWAII MAYOR						
2000	50,282	Holschuh, F.	14,989	Kim, H.	25,289	10,004

1/ Excludes over votes and blank votes.

2/ D. Akaka was appointed by the Governor to fill the seat made vacant by the death of Senator Matsunaga. He was sworn in on May 16, 1990 and elected on Nov. 8, 1990.

3/ For special election to fill unexpired term of Representative Heftel, Sept. 20, 1986, see *Data Book 1987*, table 280.

4/ The total for other parties, 126,127, included 113,158 for F. Fasi (Best) and 12,969 for K. Dudley (Green).

5/ In 1994, Mayor Fasi resigned to run for governor, creating the need for a special election to choose his successor. This special election was held in conjunction with the 1994 primary election, with all 14 candidates running on a nonpartisan, winner-take-all basis. A total of 213,616 votes was cast, excluding over votes and blank votes. J. Harris, the winner, received 67,670 votes.

6/ Nonpartisan election. The top two candidates in the Primary Election faced each other in the General Election. J. Harris received 146,034 votes and A. Morgado received 108,746 votes.

7/ Nonpartisan election. The top three candidates in the Primary Election faced each other in the General Election. J. Harris, M. Hannemann and F. Fasi received 94,067, 65,652 and 23,293 votes, respectively.

Source: State of Hawaii, Office of Elections; <http://www.state.hi.us/elections/reslt00/index.htm>.

**Table 8.12-- VOTES CAST FOR MAJOR OFFICES, BY COUNTIES:
GENERAL ELECTION, NOVEMBER 7, 2000**

Office, candidate and party 1/	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
U.S. SENATE				
Akaka, D. (D)	34,092	27,695	173,345	16,039
Carroll, J. (R)	12,468	8,808	59,943	3,462
Clegg, L. (NL)	770	500	2,558	388
Mallan, L. (L)	755	349	1,797	225
Porter, D. (C)	324	179	1,696	159
U.S. HOUSE, DISTRICT 1				
Abercrombie, N. (D)	-	-	108,483	-
Meyers, P. (R)	-	-	44,972	-
Murphy, J. (L)	-	-	3,685	-
U.S. HOUSE, DISTRICT 2				
Mink, P. (D)	28,388	24,288	46,726	13,443
Francis, R. (R)	18,298	12,109	29,194	6,300
Duquesne, L. (L)	1,436	831	1,796	403
COUNTY OF HAWAII MAYOR				
Holschuh, F. (D)	14,989	-	-	-
Kim, H. (R)	25,289	-	-	-
Bonk, K. (G)	10,004	-	-	-

1/ C, Constitution; D, Democrat; G, Hawaii Green; L, Libertarian; NL, Natural Law; R, Republican.
Source: State of Hawaii, Office of Elections; <http://www.state.hi.us/elections/reslt00/index.htm>

**Table 8.13-- REGISTERED VOTERS AND VOTES CAST FOR THE BOARD
OF TRUSTEES OF THE OFFICE OF HAWAIIAN AFFAIRS, BY COUNTIES:
NOVEMBER 3, 1998**

County	Registered voters			Votes cast	
	Both sexes	Male	Female	Number	Percent of reg. voters
State total	100,163	46,566	53,597	64,806	64.7
Hawaii	15,674	7,074	8,600	10,084	64.3
Maui	12,428	5,909	6,519	7,628	61.4
Honolulu	66,670	31,010	35,660	43,233	64.8
Kauai	5,391	2,573	2,818	3,861	71.6

Source: Hawaii State Office of Elections, records.

Table 8.14-- CAMPAIGN EXPENDITURES: 1998 ELECTIONS

[Dollars. Table excludes national races.]

Election and office	All candidates (dollars)	Number of Candidates	Open Seats
Total	19,995,083.91	401	113
Election:			
Primary	9,714,834.77	363	-
General	5,683,305.02	256	-
Supplemental	4,325,026.10	(NA)	-
Office:			
Governor	8,616,620.07	12	1
Lt. Governor	1,715,197.18	7	1
State Senator	2,432,177.06	44	13
State Representative	2,789,214.53	155	51
Mayor (Maui)	627,445.17	6	1
Mayor (Kauai)	415,393.58	5	1
Council (Honolulu)	1,887,788.98	19	9
Council (Hawaii)	352,430.49	29	9
Council (Maui)	586,680.57	42	9
Council (Kauai)	300,218.26	21	7
Board of Education	29,953.31	23	6
Office of Hawaiian Affairs	241,964.70	38	5

NA Not available.

Source: Hawaii State Campaign Spending Commission, records.

**Table 8.15-- NEIGHBORHOOD BOARD ELECTIONS, FOR OAHU:
1989 TO 1999**

Year	Number of boards		Board seats elected	Ballots mailed	Voters (ballots cast)
	In operation, Dec. 31	Holding elections			
1989	30	30	438	273,954	91,285
1991	30	30	438	260,923	85,457
1993	30	30	444	279,392	97,476
1995	31	31	447	281,437	85,597
1997	32	32	456	273,768	83,278
1999	32	32	408	299,799	82,574

Source: City and County of Honolulu, Neighborhood Commission records; *Honolulu Advertiser*, May 3, 1999, p. B3.

**Table 8.16-- PARTY MEMBERSHIP OF THE STATE LEGISLATURE:
1987 TO 2000**

Regular session	House of Representatives				Senate			
	Total	Demo-crats	Repub-licans	Other	Total	Demo-crats	Repub-licans	Other
1987	51	40	11	-	25	20	5	-
1989	51	45	6	-	25	22	3	-
1991	51	45	6	-	25	22	3	-
1993	51	47	4	-	25	22	3	-
1995	51	44	7	-	25	23	2	-
1997	51	39	12	-	25	23	2	-
1999	51	39	12	-	25	23	2	-
2000	51	32	19	-	25	22	3	-

Source: Hawaii State Office of Elections, records; *Hawaii State Legislature Members of the Senate* at <http://www.capitol.hawaii.gov/site1/senate/members/members.asp?press1=senate&press2=members> and *Hawaii State Legislature Members of the House* at <http://www.capitol.hawaii.gov/site1/house/members/members.asp?press1=house&press2=members>.

Table 8.17-- PARTY MEMBERSHIP OF COUNTY COUNCILS: 1997 AND 1999

[As of January]

County	Total seats	Democrats		Republicans		Hawaii Green		Nonpartisan	
		1997	1999	1997	1999	1997	1999	1997	1999
All counties	34	16	13	9	4	-	1	9	16
Hawaii	9	5	6	4	2	-	1	-	-
Maui	9	6	7	3	2	-	-	-	-
Honolulu	9	-	-	-	-	-	-	9	9
Kauai	7	5	-	2	-	-	-	-	7

Source: Hawaii State Office of Elections, records.

Table 8.18-- LENGTH OF LEGISLATIVE SESSIONS: 1991 TO 2000

Year	Regular sessions		Special sessions	
	Date convened	Length 1/	Date convened	Length 1/
1991	Jan. 16	111	June 24	5
1992	Jan. 15	107	None	-
1993	Jan. 20	104	Aug. 23	22
1994	Jan. 19	104	None	-
1995	Jan. 18	104	2/ June 5	3/ 7
1996	Jan. 17	104	None	-
1997	Jan. 15	107	None	-
1998	Jan. 21	4/ 114	None	-
1999	Jan. 20	105	None	-
2000	Jan. 19	105	5/ Aug. 3	6/ 18

1/ Calendar days, including Saturdays, Sundays, holidays, and mandatory five-day recess required by Art. III, sec. 10, of the Hawaii Constitution.

2/ The Second Special Session of 1995 convened September 20.

3/ Combined length for First Special Session (5 days) and Second Special Session (2 days).

4/ Session extended by Governor Cayetano from May 7 to May 14, 1998.

5/ The Second Special Session of 2000 convened Aug. 7.

6/ Combined length for the First Special Session (2 days) and Second Session (16 days).

Source: Hawaii State Legislative Reference Bureau, records.

**Table 8.19-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION:
1997 TO 2000**

Action	Session					
	1997 Regular	1998 Regular	1999 Regular	2000 Regular	2000 Special	2000 2nd Special
House bills:						
Carried over from previous year	-	2,087	-	1,556	-	-
Introduced	2,329	1,296	1,755	1,270	-	3
Passed 1/	242	182	199	187	-	2
Vetoed	6	9	24	16	-	-
Became law 2/	235	173	175	171	-	1
Senate bills:						
Carried over from previous year	-	1,801	-	1,492	-	-
Introduced	1,958	1,258	1,642	1,202	-	2
Passed 1/	157	152	150	153	-	-
Vetoed	8	14	19	25	-	-
Became law 3/	148	138	131	126	-	-
House resolutions:						
Offered	242	90	257	198	-	3
Adopted	117	54	107	110	-	3
House concurrent resolutions:						
Offered	290	251	262	204	-	2
Adopted	37	62	32	43	-	2
Senate resolutions:						
Offered	150	115	107	107	1	2
Adopted	32	33	49	30	1	2
Senate concurrent resolutions:						
Offered	279	216	225	211	-	-
Adopted	25	39	37	32	-	-

1/ Includes bills for constitutional amendments: H.B. 117 and S.B. 209 in 1997; S.B. 539 and S.B. 2941 in 2000; and H.B. 1 of the second special session of 2000.

2/ The 1997 total includes H.B. 118 which became law without the Governor's signature. The 1998 total includes H.B. 2552 which became law without the Governor's signature. The 1999 total includes H.B. 100, which contains vetoed items. The 2000 total includes H.G. 1632 which contains a vetoed item and H.B. 1900 which contains vetoed items.

3/ The 1999 total includes S.B. 1325 which became law without the Governor's signature and S.B. 1518, which contains vetoed items.

Source: Hawaii State Legislative Reference Bureau, records.

Section 9

GOVERNMENT FINANCES AND EMPLOYMENT

This section presents statistics relating to the revenues, expenditures, debt, and civilian employment of Federal, State and county governments in Hawaii. Additional information appears in Sections 10 and 12.

Local government is vested in one combined city-county (Honolulu, consisting of the Island of Oahu and outlying islets), three non-metropolitan counties (Hawaii, Kauai, and Maui), and one area (Kalawao County) administered by the Hawaii State Department of Health. Separate municipal governments do not exist.

Important sources for statistics on government in Hawaii include the quinquennial U.S. Census of Governments and various annual publications of the U.S. Census Bureau, reports of the U.S. Treasury Department, Hawaii State Department of Accounting and General Services, Hawaii State Department of Budget and Finance, Hawaii State Department of Taxation, the County auditors and finance directors, and an annual compilation issued by the Tax Foundation of Hawaii, *Government in Hawaii: A Handbook of Financial Statistics*. Data extending back to the middle of the 19th century are summarized in *Historical Statistics of Hawaii*, Section 25. Comparable national statistics appear in the *Statistical Abstract of the United States: 2000*, Sections 9 and 10.

**Table 9.01-- FEDERAL, STATE, AND COUNTY TAX COLLECTIONS:
1980 TO 2000**

[In thousands of dollars. For fiscal years ended September 30 for federal, June 30 for others]

Year	All levels	Federal	State and counties		
			Total	State	Counties
1980	2,966,128	1,670,459	1,295,669	1,255,622	40,047
1981	3,245,507	1,826,363	1,419,144	1,371,490	47,655
1982	3,314,106	1,876,628	1,437,478	1,132,699	304,779
1983	3,451,664	1,897,858	1,553,806	1,225,010	328,796
1984	3,655,283	1,980,467	1,674,816	1,331,551	343,265
1985	3,922,942	2,116,773	1,806,169	1,440,553	365,616
1986	4,296,653	2,337,028	1,959,625	1,562,195	397,429
1987	4,997,831	2,809,135	2,188,696	1,776,430	412,266
1988	5,765,935	3,310,750	2,455,185	2,033,181	422,004
1989	6,464,598	3,731,845	2,732,753	2,283,891	448,862
1990	7,212,998	4,264,127	2,948,871	2,441,273	507,598
1991	7,904,148	4,570,534	3,333,614	2,753,562	580,052
1992	7,975,930	4,542,943	3,432,986	2,772,325	660,662
1993	8,033,353	4,489,142	3,544,211	2,829,710	714,501
1994	8,346,552	4,613,645	3,732,906	2,991,811	741,096
1995	8,211,146	4,461,739	3,749,407	3,012,835	736,572
1996	8,571,030	4,573,256	3,997,774	3,257,099	740,675
1997	(NA)	1/ (NA)	4,040,110	3,301,030	739,081
1998	8,748,424	4,690,970	4,057,454	3,324,827	732,627
1999	(NA)	5,566,221	(NA)	(NA)	(NA)
2000	(NA)	(NA)	4,246,426	3,496,500	749,926

NA Not available.

1/ IRS *Data Book 1997* contains data for the Pacific-Northwest of which Hawaii is a part. No Hawaii detail.

Source: Tax Foundation of Hawaii, *Government in Hawaii* (annual) and unpublished compilations of Hawaii State Department of Accounting and General Services, Annual Report of the Comptroller (annual) and of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports); and U.S. Department of the Treasury, Internal Revenue Service, *Annual Report of the Commissioner* (annual), and *Data Book, 1993-94, 1995*, for 1996

<http://www.irs.ustreas.gov/tax_stats/96CR3CL.exe>; for 1997

<http://www.irs.ustreas.gov/tax_stats/97CR3CL.exe> and *IRS Data Book* (annual) and

<http://www.irs.treas.gov/prod/tax_stats/other_ia.html>.

Table 9.02-- FEDERAL TAX COLLECTIONS, BY SOURCE: 1995 TO 1999

[In thousands of dollars. For fiscal years ended September 30. Receipts shown for the various States do not indicate the Federal tax burden of each, since, in many instances, taxes are collected in one State from residents of, or operations in, another. For example, taxes withheld reported by employers located near a State boundary might include substantial amounts withheld from salaries of employees who reside in a neighboring State(s). Also, taxes of corporations may be paid from the principal office, although the operations of these corporations may be located in one or more other State(s)]

Source	1995	1996	1997 1/	1998	1999
Federal collections	4,461,739	4,573,256	(NA)	4,690,970	5,566,221
Corporate income and excess profits	371,960	403,869	(NA)	390,821	586,558
Indiv. income and employment	3,968,349	4,045,271	(NA)	4,123,307	4,782,537
Income tax not withheld & SECA 2/	834,124	892,202	(NA)	1,037,358	1,040,769
Income tax withheld & FICA 3/	3,113,111	3,133,796	(NA)	3,066,906	3,722,624
Railroad retirement	4	-	(NA)	1	4
Unemployment insurance	21,110	19,273	(NA)	19,043	19,140
Estate	55,593	65,512	(NA)	92,817	101,810
Gift	4,817	6,940	(NA)	12,882	7,770
Excise 4/	61,020	51,664	(NA)	71,143	87,545

1/ The IRS *Data Book 1997* contains data for the Pacific-Northwest, of which Hawaii is a part. There is no Hawaii detail.

2/ SECA Self employment insurance contributions.

3/ FICA Federal Insurance Contributions Act, includes old-age, survivors, disability, and hospital insurance taxes on wages and salaries.

4/ Excludes excise taxes collected by the Customs Service and the Bureau of Alcohol, Tobacco and Firearms.

Source: U.S. Department of the Treasury, Internal Revenue Service, *Annual Report of the Commissioner* (annual), and *Data Book, 1993-94, 1995*; for 1996, <http://www.irs.ustreas.gov/tax_stats/96CR3CL.exe>; for 1997 <http://www.irs.ustreas.gov/tax_stats/97CR3CL.exe> and for 1998-99 *IRS Data Book 1998 and 1999*, and <http://www.irs.treas.gov/prod/tax_stats/other_ia.html> accessed May 11, 2001.

**Table 9.03-- STATE AND COUNTY TAX COLLECTIONS, BY SOURCE:
1996 TO 2000**

[In thousands of dollars. For fiscal years ended June 30. Report not available for 1999]

Source	1996	1997	1998	2000
Total State and county tax collections	3,997,774	4,040,110	4,057,454	4,246,426
State collections 1/	3,257,099	3,301,030	3,324,827	3,496,500
General excise and use	1,432,486	1,457,907	1,425,904	1,536,838
Transient accommodations 2/	115,747	125,461	127,081	168,577
Fuel	138,267	136,837	134,017	132,940
Liquor	37,811	38,347	38,894	39,000
Tobacco	39,572	36,427	36,098	42,341
Insurance	59,164	55,847	59,443	68,659
Public service companies	104,131	114,364	120,326	119,505
Banks and other financial institutions	17,109	9,731	15,546	7,057
Corporate income 3/	48,438	57,839	46,209	68,215
Indiv. income, net income 4/	999,928	976,311	1,083,651	1,064,556
Inheritance and estate	17,540	55,847	19,645	22,784
Conveyance	5,669	6,007	6,926	9,529
Environmental response (FY94)	1,669	1,781	1,969	1,714
Rental vehicle surcharge	21,951	22,601	22,838	34,587
Hospital and nursing home 5/	10,104	11,559	3,414	25
Licenses, permits, and others	23,985	24,181	27,804	30,223
Unemployment compensation	183,526	169,984	155,062	149,951
County collections 1/	740,675	739,081	732,627	749,926
Real property	612,689	607,265	598,632	602,625
Liquor licenses and fees	5,091	5,148	5,030	5,234
Utility franchise	26,702	29,403	30,703	29,014
Motor vehicle weight 6/	67,430	68,309	69,861	74,669
Licenses, permits, and others	28,763	28,955	28,400	38,382

1/ Article VIII, Section 3 of the State Constitution, as amended in 1978, mandated transfer of real property tax administration, including collection of the tax, to the counties, effective July 1, 1981. State collections represent real property taxes for prior years.

2/ Effective January 1, 1987.

3/ Includes payments of estimated taxes less refunds.

4/ Includes withheld and estimated taxes less refunds.

5/ Hospital tax repealed in 1994.

6/ Includes State motor vehicle weight tax.

Source: Tax Foundation of Hawaii, *Government in Hawaii*, table 13 (annual) and Tax Foundation of Hawaii unpublished compilations of Hawaii State Department of Accounting and General Services, *Annual Report of the Comptroller* (annual) and of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports).

**Table 9.04-- ESTIMATED STATE AND LOCAL TAXES PAID BY A
FAMILY OF FOUR, FOR HONOLULU AND THE MEDIAN AND
AVERAGE OF 51 MAJOR CITIES: 1997 TO 2000**

Gross family income level (dollars)	Honolulu			51-city median 1/		51-city average	
	Taxes (dollars)	Percent of income	Rank 2/	Taxes (dollars)	Percent of income	Taxes (dollars)	Percent of income
1997							
25,000	2,168	8.7	15	1,970	7.9	2,027	8.1
50,000	4,778	9.6	13	4,180	8.4	4,221	8.4
75,000	7,905	10.5	13	6,870	9.2	6,885	9.2
100,000	10,805	10.8	14	9,318	9.3	9,318	9.3
150,000	16,551	11.0	12	14,549	9.7	14,148	9.4
1998							
25,000	2,256	9.0	11	1,918	7.7	2,026	8.1
50,000	4,967	9.9	12	4,173	8.3	4,272	8.5
75,000	8,196	10.9	9	7,018	9.4	7,004	9.3
100,000	11,185	11.2	8	9,575	9.6	9,442	9.4
150,000	17,221	11.5	8	14,648	9.8	14,376	9.6
1999							
25,000	2,172	8.7	12	1,938	7.8	2,024	8.1
50,000	4,512	9.0	18	4,160	8.3	4,296	8.6
75,000	7,368	9.8	17	6,836	9.1	6,968	9.3
100,000	10,010	10.0	17	9,424	9.4	9,371	9.4
150,000	15,449	10.3	18	14,565	9.7	14,397	9.6
2000							
25,000	2,205	8.8	13	2,003	8.0	2,007	8.0
50,000	4,340	8.7	15	3,954	7.9	4,019	8.0
75,000	7,141	9.5	16	6,507	8.7	6,584	8.8
100,000	9,709	9.7	16	8,986	9.0	8,982	9.0
150,000	14,939	10.0	16	14,024	9.3	13,718	9.1

1/ Largest city in each state, and the District of Columbia. For the listing of cities, see source.

2/ The lower the rank, the higher the percentage of income paid in taxes. For a breakdown of taxes, see source.

Source: Government of the District of Columbia, *Tax Rates and Tax Burdens in the District of Columbia- A National Comparison 1997* (July 1998), table 1; *Ibid. 1998* (July 1999), table 1, and <http://www.dccfo.com/otrdco/netscape/mediacenter/recent.htm> and *Ibid. 1999* (July 2000) table 1 and *Ibid. 2000* (August 2001) table 1 <http://www.dccfo.com/services/studies/index.html>.
<D:\Taxes Hawaii and US\District of Columbia Comparison of Taxes\99STUDY2.pdf>

Table 9.05 --TOTAL TAXES FOR A FAMILY OF FOUR IN A SELECTED CITY IN EACH OF THE 50 STATES AND WASHINGTON, D.C.: 2000

(In dollars and percent. Ranked by total annual taxes. For both homeowners and renters, areas researched are suburban communities surrounding each of the metropolitan areas where families earning \$60,000 annual income reside. Total tax liability for the homeowner is based on an identical home value of \$180,000 in all locations. Mortgage costs are based on a 20% down payment and 8.5% interest for 30 years.). Next, total tax liability has been determined for the renter using an annual rental of \$14,640, or \$1,220 per month in all locations. Taxes included are real estate (for homeowners only), sales; Federal, State and Local income taxes; F.I.C.A. (social security) and ad valorem (registration of motor vehicle) tax. See sources for details]

City	State	Total Annual Taxes of Homeowners			Total Annual Taxes of Renters		
		Rank	Amount	Percent of Income	Rank	Amount	Percent of Income
Anchorage	AK	49	11,932	19.9	51	10,145	16.9
Birmingham	AL	22	13,968	23.3	6	14,511	24.2
Little Rock	AR	20	14,055	23.4	5	14,513	24.2
Phoenix	AZ	45	12,588	21.0	38	12,588	21.0
Los Angeles	CA	39	12,948	21.6	33	13,099	21.8
Denver	CO	46	12,546	21.0	35	12,901	21.5
Stamford	CT	7	14,560	24.3	39	12,249	20.4
Wilmington	DE	44	12,589	21.0	31	13,147	21.9
Miami	FL	47	12,399	20.7	49	11,021	18.4
Atlanta	GA	24	13,943	23.2	15	14,144	23.6
Honolulu	HI	42	12,679	21.1	4	14,543	24.2
Des Moines	IA	19	14,062	23.4	25	13,528	22.6
Boise	ID	34	13,415	22.4	21	13,765	22.9
Chicago	IL	10	14,230	23.8	37	12,638	21.2
Indianapolis	IN	16	14,132	23.6	28	13,390	22.3
Kansas City	KS	21	14,044	23.4	12	14,205	23.7
Louisville	KY	5	14,802	24.7	1	15,311	25.5
New Orleans	LA	40	12,725	21.2	34	12,989	21.7
Boston	MA	23	13,946	23.2	30	13,318	22.2
Baltimore	MD	25	13,895	23.2	8	14,386	24.0
Portland	ME	14	14,201	23.7	24	13,539	22.6
Detroit	MI	6	14,627	24.4	26	13,501	22.5

Continued on next page.

Table 9.05 --TOTAL TAXES FOR A FAMILY OF FOUR IN A SELECTED CITY IN EACH OF THE 50 STATES AND WASHINGTON, D.C.: 2000 --Con.

City	State	Total Annual Taxes of Homeowners			Total Annual Taxes of Renters		
		Rank	Amount	Percent of Income	Rank	Amount	Percent of Income
Minneapolis	MN	26	13,816	23.0	23	13,565	22.6
St. Louis	MO	12	14,222	23.7	10	14,319	23.9
Jackson	MS	18	14,087	23.5	20	13,783	23.0
Billings	MT	13	14,206	23.7	16	14,076	23.5
Charlotte	NC	17	14,118	23.5	9	14,382	24.0
Fargo	ND	38	13,186	22.0	45	11,324	18.9
Omaha	NE	8	14,307	23.9	29	13,343	22.2
Manchester	NH	27	13,740	22.9	50	10,316	17.2
Bergen County	NJ	9	14,283	23.8	44	11,443	19.1
Albuquerque	NM	35	13,265	22.1	32	13,135	21.9
Las Vegas	NV	48	12,242	20.4	42	11,560	19.3
New York	NY	1	16,362	27.3	19	13,914	23.2
Cleveland	OH	4	14,981	25.0	13	14,161	23.6
Tulsa	OK	11	14,226	23.7	7	14,462	24.1
Portland	OR	29	13,707	22.8	11	14,228	23.7
Philadelphia	PA	2	15,724	26.2	3	14,717	24.5
Providence	RI	15	14,176	23.6	36	12,743	21.2
Charleston	SC	36	13,237	22.1	22	13,756	22.9
Sioux Falls	SD	41	12,724	21.2	47	11,185	18.6
Nashville	TN	50	11,902	19.8	43	11,541	19.2
Dallas	TX	37	13,225	22.0	46	11,222	18.7
Salt Lake City	UT	33	13,447	22.4	14	14,161	23.6
Richmond	VA	28	13,719	22.9	17	14,057	23.4
Burlington	VT	32	13,565	22.6	40	11,777	19.6
Seattle	WA	43	12,592	21.0	41	11,725	19.5
Milwaukee	WI	3	15,123	25.2	27	13,469	22.5
Charleston	WV	30	13,652	22.8	18	13,987	23.3
Casper	WY	51	11,342	18.9	48	11,171	18.6
Washington, D.C.	(NA)	31	13,622	22.7	2	15,193	25.3

Source: Runzheimer International, U.S. News Releases "Runzheimer Conducts 50-State (Plus Washington DC) Tax Analysis" (May 1, 2000) and "Runzheimer Analyzes Tax Burden Nationwide for Renters" (May 8, 2000), accessed August 3, 2001.

Homeowners: <http://www.runzheimer.com/corpc/news/scripts/050100.asp>

Renters: <http://www.runzheimer.com/corpc/news/scripts/050800.asp>

Table 9.06-- ESTIMATED TAX FREEDOM DAY FOR THE UNITED STATES, EACH OF THE 50 STATES AND WASHINGTON D.C. FOR THE YEAR 2001

[Rank is among the 50 states where 50 indicates the earliest Tax Freedom Day in the year 2000. Tax Freedom Day is used to illustrate the portion of the American budget that goes to pay for taxes. See source for details]

Area	Tax Freedom Day	Rank	Number of Days		
			Total Taxes	Federal Taxes	State/Local Taxes
United States	May 3	(NA)	123	86	37
Alaska	April 16	50	106	84	22
South Dakota	April 21	49	111	79	32
West Virginia	April 23	48	113	75	38
Tennessee	April 23	47	113	83	30
South Carolina	April 23	46	113	79	34
Oklahoma	April 23	45	113	77	36
Alabama	April 23	44	113	80	33
Montana	April 25	43	115	80	35
Mississippi	April 25	42	115	76	39
Idaho	April 25	41	115	77	38
Colorado	April 25	40	115	85	30
Oregon	April 26	39	116	82	34
Louisiana	April 26	38	116	79	37
Hawaii	April 26	37	116	74	42
Utah	April 27	36	117	78	39
North Dakota	April 27	35	117	79	38
North Carolina	April 27	34	117	81	36
New Hampshire	April 27	33	117	90	27
Iowa	April 27	32	117	80	37
Texas	April 28	31	118	86	32
New Mexico	April 28	30	118	78	40
Missouri	April 28	29	118	83	35
Kentucky	April 28	28	118	80	38
Georgia	April 28	27	118	84	34
Kansas	April 29	26	119	82	37
Arkansas	April 29	25	119	80	39
Arizona	April 29	24	119	85	34
Virginia	April 30	23	120	86	34
Maryland	April 30	22	120	85	35
California	April 30	21	120	85	35
Ohio	May 1	20	121	82	39
Nebraska	May 1	19	121	82	39
Indiana	May 1	18	121	84	37
Pennsylvania	May 3	17	123	86	37
Massachusetts	May 3	16	123	89	34
Delaware	May 3	15	123	87	36
Rhode Island	May 5	14	125	84	41
Nevada	May 5	13	125	91	34
Illinois	May 6	12	126	90	36
Vermont	May 7	11	127	85	42
Minnesota	May 7	10	127	86	41
Michigan	May 8	9	128	88	40

Continued on next page.

Table 9.06-- ESTIMATED TAX FREEDOM DAY FOR THE UNITED STATES, EACH OF THE 50 STATES AND WASHINGTON D.C. FOR THE YEAR 2001- Con.

Area	Tax Freedom Day	Rank	Number of Days		
			Total Taxes	Federal Taxes	State/Local Taxes
Florida	May 8	8	128	93	35
Wisconsin	May 9	7	129	86	43
Wyoming	May 10	6	130	97	33
Washington	May 10	5	130	93	37
Maine	May 11	4	131	82	49
New Jersey	May 12	3	132	95	37
New York	May 14	2	134	87	47
Dist. of Columbia	May 18	(NA)	138	90	48
Connecticut	May 25	1	145	103	42

Source: Tax Foundation, Special Report No. 104, "America Celebrates Tax Freedom Day: Americans Must Work from January 1 to May 3 Before Earning Enough To Pay Taxes, the Latest Date Ever", table 4 (April, 2001) and <<http://www.taxfoundation.com>> accessed May 22, 2001. <<http://www.taxfoundation.com>>

Table 9.07-- ESTIMATED TAX BURDEN FOR A FOUR-PERSON FAMILY ON OAHU: 1970, 1988 AND 1999

[In dollars and percent. For 1970 and 1988, based on a gross family income equivalent to four times the per capita personal income estimated for Hawaii. For 1999, salary income is estimated at \$81,000 for Alfie (a full- and a part-time jobs) and Anita (a full-time job) plus \$1,840 other family income from rental of a condominium unit, dividends from stocks, and interest on bank certificates of deposit. For other underlying assumptions, see sources]

Subject	1970 (dollars)	1988 (dollars)	1999 (dollars)	1999 as percent of total	
				Tax burden	Gross family income
Total tax burden	5,559	25,610	31,107	100.0	37.6
Federal income	2,130	8,096	6,623	21.3	8.0
State income	693	3,693	3,477	11.2	4.2
Social security 1/	1,247	7,758	12,394	39.8	15.0
General excise	304	1,207	3,580	11.5	4.3
Real property	366	1,006	1,099	3.5	1.3
Employment 2/	527	3,301	3,112	10.0	3.8
Specific excise 3/	67	161	200	0.6	0.2
Automobile	225	388	622	2.0	0.8
Direct tax bill	4,342	18,432	19,288	62.0	23.3
Indirect tax bill	1,217	7,178	11,819	38.0	14.3
Gross family income	16,408	62,716	82,840	(X)	100.0
After taxes	10,898	37,106	51,733	(X)	62.4

X Not applicable.

1/ The sum of the amount the Alohas paid for retirement benefits and Medicare and the equal amount paid by their employers on their behalf.

2/ Unemployment compensation, temporary disability insurance, and workers' compensation.

3/ Alcohol, tobacco, telephone and cell.

Source: Tax Foundation of Hawaii, "The Tax Burden of the Arnie Aloha Family" (November 1989) and "The Tax Burden of the Aloha Family" (June 2001).

Table 9.08-- HAWAII STATE GOVERNMENT FINANCES: 1997-99

[Thousands of dollars. Fiscal year ended June 30]

Category 1/	1997	1998	1999
Total revenue	6,700,545	6,760,740	6,646,380
General revenue	5,526,957	5,473,742	5,614,565
Intergovernmental revenue	1,302,690	1,175,599	1,265,044
Taxes	3,087,946	3,176,246	3,166,663
General sales	1,457,274	1,425,352	1,447,278
Selective sales	468,697	486,399	468,143
License taxes	89,876	92,647	93,425
Individual income	976,579	1,083,388	1,068,974
Corporation net income	67,570	61,755	52,414
Other taxes	27,950	26,705	36,429
Current charges	776,421	793,513	801,355
Miscellaneous general revenue	359,900	328,384	381,503
Insurance trust revenue	1,173,588	1,286,998	1,031,815
Total expenditure	6,093,375	5,860,425	6,265,729
General expenditure, by function:	5,420,946	5,261,479	
Education	1,557,019	1,636,140	1,778,197
Public welfare	983,336	919,329	948,103
Hospitals	237,641	231,668	184,901
Health	276,988	269,974	354,006
Highways	321,658	248,700	282,399
Police protection	7,019	6,966	6,871
Correction	127,535	120,854	134,302
Natural resources	71,097	87,103	72,549
Parks and recreation 2/	144,309	49,939	36,176
Governmental administration	248,081	273,181	289,794
Interest on general debt	328,297	345,596	486,789
Other and unallocable	1,117,966	1,072,029	1,076,664
Utility expenditure	235	-	-
Liquor stores expenditure	-	-	-
Insurance trust expenditure	672,194	598,946	614,978
General expenditure	5,420,946	5,261,479	5,650,751
Intergovernmental expenditure	156,055	147,059	153,220
Direct expenditure	5,264,891	5,114,420	5,497,531
Debt at end of fiscal year	5,252,711	5,709,739	5,421,316
Cash and security holdings	10,842,971	11,719,346	13,453,067

1/ Utility revenues and Liquor stores revenues and expenditures are zero.

Source: U.S. Department of Commerce, <<http://www.census.gov/govs/state/97sthi.html>>;
<<http://www.census.gov/govs/state/98sthi.html>> and
<<http://www.census.gov/govs/state/99sthi.html>>, forthcoming.

Table 9.09-- HAWAII STATE GOVERNMENT FINANCES: 1999

[Amount in thousands of dollars, per capita in dollars. Fiscal year ended June 30]

Category 1/	Amount	Percent distribution	Per capita
Total revenue	6,646,380	100.00	5,606.41
General revenue	5,614,565	80.96	4,588.21
Intergovernmental revenue	1,265,044	17.39	985.41
Taxes	3,166,663	46.98	2,662.40
General sales	1,447,278	21.08	1,194.76
Selective sales	468,143	7.19	407.71
License taxes	93,425	1.37	77.66
Individual income	1,068,974	16.02	908.12
Corporation net income	52,414	0.91	51.76
Other taxes	36,429	0.40	22.38
Current charges	801,355	11.74	665.14
Miscellaneous general revenue	381,503	4.86	275.26
Insurance trust revenue	1,031,815	19.04	1,078.79
Total expenditure	6,265,729	100.00	4,912.34
General expenditure, by function:			
Education	1,778,197	27.92	1,371.45
Public welfare	948,103	15.69	770.60
Hospitals	184,901	3.95	194.19
Health	354,006	4.61	226.30
Highways	282,399	4.24	208.47
Police protection	6,871	0.12	5.84
Correction	134,302	2.06	101.30
Natural resources	72,549	1.49	73.01
Parks and recreation	36,176	0.85	41.86
Governmental administration	289,794	4.66	228.99
Interest on general debt	486,789	5.90	289.69
Other and unallocable	1,076,664	18.29	898.60
Insurance trust expenditure	614,978	10.22	502.05
General expenditure	5,650,751	100.00	4,410.29
Intergovernmental expenditure	153,220	2.80	123.27
Direct expenditure	5,497,531	97.20	4,287.02
Debt at end of fiscal year	5,421,316	100.00	4,786.03
Cash and security holdings	13,453,067	100.00	9,823.42

1/ Utility revenues and expenditures and Liquor stores revenues and expenditures are zero.

Source: U.S. Department of Commerce, <<http://www.census.gov/govs/state/99sthi.html>> forthcoming.

Table 9.10-- STATE GOVERNMENT REVENUES: 2000

[Data rounded to thousands of dollars. For fiscal years ended June 30]

Source of revenues	Fiscal 2000		
	Total	General Fund	Special Funds
Total 1/	6,054,903	3,227,531	2,827,372
Tax revenues			
General excise	1,536,276	1,528,987	7,289
Specific excises 2/	420,922	269,444	151,478
Individual income	1,064,303	1,064,303	-
Corporate income	68,215	68,215	-
Transient accommodations	93,049	-	93,049
Unemployment compensation	148,525	-	148,525
Other taxes, licenses, permits 3/	64,223	34,755	29,468
Federal Grants-in-Aid	1,064,471	2,834	1,061,637
Fines & Forfeitures	25,249	18,135	7,114
Rents, Royalties & Land Inc. 4/	139,008	5,321	133,687
Revenues from Other Agencies	97,812	9,918	87,894
Earnings: General Dept.	634,311	111,535	522,776
Auxiliary Enterprises	67,961	-	67,961
Public Service Enterprises	222,755	-	222,755
Interest Earned	183,617	33,443	150,174
Miscellaneous	224,206	80,641	143,565

1/ Excludes transfers and repayments except as shown.

2/ Includes public service companies, tobacco, liquor, insurance premiums vehicle registration and weight, and fuel taxes.

3/ Includes franchise, inheritance and estate, hospital and nursing home, and conveyance taxes.

4/ Includes investment and unallocable interest income.

Source: Compiled by the Tax Foundation of Hawaii from Hawaii State Department of Accounting and General Services, Annual Report of the Comptroller.

**Table 9.11-- STATE GOVERNMENT OPERATING EXPENDITURES,
BY FUNCTION: 1996 TO 1998**

[In thousands of dollars. For fiscal years ended June 30. Data include general, special, and proprietary fund expenditures; unemployment trust fund treated as a special fund. Interfund transfers eliminated to avoid duplication. Reports for 1999 and 2000 not available]

Functions	1996	1997	1998
Total	6,019,882	5,999,925	5,777,308
General government: Control	108,191	111,782	116,603
Staff	386,869	380,712	413,659
Public safety: Police and fire	9,651	7,441	8,528
Other protection	156,516	161,647	173,433
Highways	158,990	210,145	178,828
Natural resources	44,996	34,947	36,884
Health and sanitation	173,887	203,053	202,329
Hospitals and institutions	316,030	341,788	324,826
Public welfare	1,039,884	1,104,712	1,026,985
Education: Higher	548,673	536,491	559,590
Public education	863,071	860,644	912,107
Libraries and other	41,733	34,503	33,884
Recreation	37,887	34,903	32,159
Utilities and other enterprises	314,352	277,341	284,225
Debt service 1/	607,529	580,251	466,696
Retirement and pension	268,052	273,211	272,156
Employees' health and hosp. Insurance	639	602	604
Unemployment compensation	233,884	210,135	181,767
Grants-in-aid to counties	2,826	2,986	250
Urban redevelopment and housing	152,857	161,945	127,220
Miscellaneous	205,551	130,611	128,802
Cash capital improvements	347,812	340,075	295,771

1/ Debt service on revenue bonds reimbursable from highway funds included under Highways; from airport and harbor funds under Utilities; Sand Island receipts, land revolving trust, and Veterans' home loan funds under Miscellaneous.

Source: State of Hawaii Department of Accounting and General Services *Annual Comptrollers Report 1997 and 1998* compiled by the Tax Foundation of Hawaii.

**Table 9.12-- COUNTY GOVERNMENT OPERATING REVENUES,
BY SOURCE: 2000**

[Data rounded to thousands of dollars. For fiscal year ended June 30]

Subject	All counties	City and Co. of Honolulu	County of Maui	County of Hawaii	County of Kauai
Total 1/	1,476,986	1,049,677	174,356	162,621	90,332
Taxes	725,353	485,967	100,030	96,052	43,304
Real property taxes	602,625	399,115	84,651	83,271	35,589
Liquid fuel	60,282	42,901	7,860	6,103	3,418
Utility franchise	29,014	19,239	3,876	3,950	1,949
Motor vehicle weight	33,431	24,712	3,643	2,729	2,348
Liquor licenses and fees	5,234	2,478	1,465	879	412
Parking meter fees	4,129	4,111	(NA)	18	(NA)
Other 2/	36,152	27,967	3,597	3,647	941
Fines, forfeits, and penalties	1,679	477	800	402	-
Departmental earnings 3/	306,365	246,249	33,165	16,211	10,740
Mass transit	27,928	27,928	(NA)	(NA)	(NA)
State grants	98,453	40,389	19,444	25,965	12,655
Unrestricted 4/	75,531	33,310	17,222	14,049	10,950
Others	22,922	7,079	2,222	11,916	1,704
Federal grants	137,813	89,898	10,656	15,673	21,586
Hawaii Housing Authority	29	(NA)	29	(NA)	(NA)
Miscellaneous	133,851	124,213	5,171	3,773	694

NA Not available.

1/ Excludes loan, bond, revolving, trust funds, Board of Water Supply revenues and for County of Hawaii excludes Hilo Hospital. For City & County of Honolulu includes bus transportation and H-Power revenues.

2/ Other licenses, permits and fees.

3/ Includes rentals, interest, and other earnings.

4/ Designated for "improvements to infrastructures and/or tourism-related activities."

Source: Tax Foundation of Hawaii compilations of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports).

**Table 9.13-- COUNTY GOVERNMENT OPERATING EXPENDITURES,
BY OBJECT: 2000**

[In thousands of dollars. For fiscal year ended June 30]

Subject	All counties	City and Co. of Honolulu	County of Maui	County of Hawaii	County of Kauai
Total 1/	(NA)	(NA)	176,698	165,925	87,113
General government:	(NA)	(NA)			
Control	(NA)	(NA)	3,335	2,725	1,675
Staff	(NA)	(NA)	16,163	16,717	11,517
Public safety:	(NA)	(NA)			
Police and fire	(NA)	(NA)	34,905	47,616	14,058
Other protection	(NA)	(NA)	5,609	12,358	2,492
Highways	(NA)	(NA)	8,340	6,703	5,292
Health and sanitation	(NA)	(NA)	15,705	14,195	7,857
Public welfare	(NA)	(NA)	17,118	12,354	15,864
Public schools	(NA)	(NA)	-	48	22
Recreation	(NA)	(NA)	16,179	12,175	4,666
Interest	(NA)	(NA)	10,303	7,694	1,988
Bond redemption	(NA)	(NA)	11,507	8,688	3,118
Pension and retirement	(NA)	(NA)	6,028	6,051	2,481
Salary adjustment	(NA)	(NA)	-	-	483
Econ. and urban devel. 2/	(NA)	(NA)	-	-	-
Mass transit 3/	(NA)	(NA)	-	1,585	-
Miscellaneous	(NA)	(NA)	20,220	13,523	6,698
Cash capital improvements	(NA)	(NA)	11,287	3,493	8,901

NA Not available. Estimates for the City and County of Honolulu were not available by closing date for *State of Hawaii Data Book 2000*. Table will be updated as soon as estimates are compiled.

1/ All funds expended by the county excepting certain bond, revolving, loan, and enterprise funds.

2/ Includes expenditures from redevelopment grants.

3/ Includes transfers to the bus transportation fund which are not reported as operating expenditures.

Source: Tax Foundation of Hawaii unpublished compilations of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports).

**Table 9.14-- NUMBER OF EXEMPTIONS AND ADJUSTED GROSS INCOME
REPORTED ON INDIVIDUAL FEDERAL INCOME TAX RETURNS:
TAX YEARS 1980 TO 1999**

Tax year	Number of returns	Number of exemptions 1/	Adjusted gross income (less deficit)		
			Total (\$1,000)	Per return (dollars)	Per exemption 1/ (dollars)
1980	424,177	936,056	7,320,740	17,259	7,821
1981	437,977	957,338	7,870,617	17,970	8,221
1982	445,953	1,027,743	8,236,603	18,470	8,014
1983	450,097	1,037,030	8,652,808	19,224	8,344
1984	461,424	1,055,297	9,322,406	20,204	8,834
1985	470,745	1,071,202	9,965,599	21,170	9,303
1986	485,014	1,096,934	10,959,168	22,596	9,991
1987	506,302	1,112,189	12,670,065	25,025	11,392
1988	520,575	1,087,534	14,215,978	27,308	13,072
1989	542,943	1,120,071	15,851,813	29,196	14,153
1990	555,488	1,145,166	17,462,616	31,437	15,249
1991	567,412	1,173,631	17,778,657	31,333	15,148
1992	569,334	1,179,166	18,398,690	32,316	15,603
1993	556,041	1,173,229	18,519,252	33,306	15,785
1994	554,077	1,172,855	18,507,502	33,402	15,780
1995	549,519	1,171,533	19,057,384	34,680	16,267
1996	549,619	1,066,834	19,537,774	35,548	18,314
1997	552,105	1,197,378	20,367,085	36,890	17,010
1998	553,525	1,090,735	20,874,106	37,711	19,138
1999	558,612	(NA)	22,327,292	39,969	(NA)

NA Not available.

1/ Exemptions for age or blindness excluded through 1981 and included thereafter. "Number of exemptions" also includes responses of taxpayers who checked the boxes on their tax returns for age 65 or over or for blindness, partly to justify the additional standard deductions for age or blindness. Treating these responses as if they were for personal exemptions enables some comparability to be maintained in the State data between years starting with 1987 (the first year for which the additional standard deductions were allowed for age and blindness) and earlier years, when additional personal exemptions were allowed for this purpose, instead. Note, though, that these responses were not included in the 1996 statistics, so data for that year are not altogether comparable with those for 1997 and years preceding 1996.

Source: U.S. Treasury Department, Internal Revenue Service, *Statistics of Income. Individual Income Tax Returns* (annual); *SOI Bulletin, Summer 1985*, p. 93; *Winter 1985-86*, p. 97; *Winter 1986-87*, p. 83; *Fall 1990*, pp. 11-57; *Winter 1990-91*, p. 58; *Spring 1993*, p. 148; *Fall 1994*, p. 148; *Spring 1995*, p. 132; *Spring 1996*, p. 118; *Spring 1997*, p. 151; *Spring 1998*, p. 163; Spring 1999 <<http://ftp.fedworld.gov/pub/irs-soi/97in12hi.exe>>; *Spring 2000* <<http://ftp.fedworld.gov/pub/irs-soi/98in12hi.xls>>; <<http://ftp.fedworld.gov/pub/irs-soi/99in12hi.xls>> accessed July 28, 2001 and calculations by Hawaii State Department of Business, Economic Development & Tourism, and records.

**Table 9.15-- ADJUSTED GROSS INCOME AND INCOME TAX, BY SIZE OF
ADJUSTED GROSS INCOME, FOR INDIVIDUAL FEDERAL INCOME TAX
RETURNS: TAX YEARS 1998 AND 1999**

Tax year 1/ and size of adjusted gross income	Number of returns	Adjusted gross income less deficit (\$1,000)	Total income tax liability		
			Number of returns	Amount (\$1,000)	Average 2/ (dollars)
1998					
All returns	553,525	20,874,106	450,491	2,720,096	6,038
Under \$20,000 2/	224,543	1,610,214	131,064	111,365	850
\$20,000 under \$30,000	87,807	2,172,001	80,879	168,516	2,084
\$30,000 under \$50,000	105,183	4,101,877	102,967	394,747	3,834
\$50,000 under \$75,000	72,161	4,408,814	71,828	486,531	6,774
\$75,000 under \$100,000	33,825	2,901,069	33,775	381,502	11,295
\$100,000 under \$200,000	24,140	3,101,824	24,116	530,425	21,995
\$200,000 or more	5,866	2,578,305	5,862	647,011	110,374
Median income 3/	25,947	...	...	...	...
1999					
All returns	558,612	22,327,292	450,719	2,989,312	6,632
Under \$20,000 2/	222,951	1,683,633	125,847	107,425	854
\$20,000 under \$30,000	85,679	2,121,327	160,242	160,242	1,000
\$30,000 under \$50,000	105,579	4,115,498	102,624	392,375	3,823
\$50,000 under \$75,000	73,499	4,495,912	73,087	496,030	6,787
\$75,000 under \$100,000	35,860	3,079,257	35,802	406,307	11,349
\$100,000 under \$200,000	28,078	3,625,736	28,060	624,960	22,272
\$200,000 or more	6,966	3,205,927	6,960	801,974	115,226
Median income	23,423	...	...	...	...

1/ Filed in following year.

2/ Includes returns with adjusted gross deficit.

3/ Revised. Calculated value of median income was omitted from earlier *Data Book 1999* table.

Source: U.S. Treasury Department, Internal Revenue Service, *SOI Bulletin, Spring 2000* and
<<http://ftp.fedworld.gov/pub/irs-soi/98in12hi.exe>>; forthcoming *Fall 2001* and
<<http://ftp.fedworld.gov/pub/irs-soi/99in12hi.xls>>; and calculations by Hawaii State Department
of Business, Economic Development & Tourism.

Table 9.16-- CHARACTERISTICS OF INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEARS 1998 AND 1999

Subject	1998		1999	
	Number of returns	Amount (\$1,000)	Number of returns	Amount (\$1,000)
All returns and adj. gross income (AGI)	553,525	20,874,106	558,612	22,327,292
Salaries and wages	460,581	15,231,624	463,902	15,811,378
Taxable interest income	365,389	689,865	361,528	638,520
Tax-exempt interest income	23,724	155,211	23,438	217,823
Dividends	143,151	426,050	152,322	480,503
Business or prof. net income (less loss)	79,801	751,408	80,317	846,444
Net capital gain (less loss)	118,643	1,092,446	129,783	1,633,197
Taxable Indiv. Retire. Arrangements distrib.	43,575	367,930	43,924	417,173
Pensions and annuities	103,174	1,760,332	103,930	1,855,241
Social security benefits	45,464	360,446	48,124	395,744
Total statutory adjustments	94,298	208,173	95,145	231,737
Self-employment retirement plans	5,752	45,460	6,067	50,779
Standard deductions	(NA)	(NA)	372,194	1,995,651
Itemized deductions	183,467	3,488,201	186,421	3,524,519
Medical & dental expenses	28,107	131,063	30,164	150,060
Taxes paid	182,618	1,012,024	185,563	1,015,291
Interest paid	144,506	1,797,355	145,362	1,750,616
Contributions	163,821	374,399	167,001	413,605
Taxable income	449,788	13,646,230	453,939	14,858,802
Total tax credits	140,752	110,260	149,038	133,605
Child care credit	27,335	9,873	27,593	9,974
Earned income credit	67,211	88,059	66,632	91,758
Excess earned income credit (refundable)	53,340	73,400	53,966	78,123
Income tax	432,777	2,580,336	432,705	2,843,071
Tax liability	450,491	2,720,096	450,719	2,989,312
Tax due at time of filing	126,337	280,209	128,580	381,764
Overpayments	390,882	555,649	394,353	588,481

NA Not available.

Source: U.S. Treasury Department, Internal Revenue Service, *SOI Bulletin, Spring 2000* and <<http://ftp.fedworld.gov/irs-soi/98in12hi.xls>>; for 1999 <<http://ftp.fedworld.gov/irs-soi/99in12hi.xls>> accessed July 28, 2001.

Table 9.17-- INTERNAL REVENUE SERVICE OPERATIONS: 1995 TO 1999

Subject	1995	1996	1997 1/	1998	1999
Internal revenue collections (\$1,000)	4,461,739	4,573,256	(NA)	4,690,970	5,566,221
Indiv. income and employment taxes	3,968,349	4,045,271	(NA)	4,123,307	4,782,537
Total number of returns filed	994,156	980,494	(NA)	1,028,339	1,006,838
Individual income tax	553,326	549,941	(NA)	551,494	553,475
Total no. of returns filed electronically	(NA)	(NA)	(NA)	(NA)	104,480
Individual income tax	29,077	39,434	(NA)	(NA)	(NA)
Number of returns examined	4,171	4,203	(NA)	(NA)	(NA)
Individual	3,660	3,317	(NA)	(NA)	(NA)
Additional tax and penalties recommended after examination (\$1,000)	42,295	60,714	(NA)	(NA)	(NA)
Individual	23,379	32,098	(NA)	(NA)	(NA)
Costs incurred (\$1,000)	12,566	10,656	(NA)	(NA)	(NA)
Total number of refunds issued	387,617	376,845	(NA)	306,583	421,463
Individual income tax	374,311	363,877	(NA)	259,943	410,665
Total amount of refunds issued (\$1,000)	473,990	489,659	(NA)	394,335	611,080
Individual income tax	403,314	415,864	(NA)	359,750	567,985

NA Not available.

1/ The IRS *1997 Data Book* contains data for the Pacific-Northwest, of which Hawaii is a part. There is no Hawaii detail.

2/ Including interest.

Source: Internal Revenue Service, *Annual Report, 1991, 1992, and 1993*, and *Ibid. Data Book, 1993-94, 1995, 1996, 1997; 1998, and 1999*; and

<http://www.irs.ustreas.gov/prod/tax_stats/soi/other_ia.html>.

**Table 9.18-- RESIDENT INDIVIDUAL STATE INCOME TAX RETURNS:
TAX YEARS 1982 TO 1999**

Year income was received	Number of resident returns	Adjusted gross income 1/ (\$1,000)	Taxable income (\$1,000)	Tax liability (\$1,000)
1982	422,535	6,912,014	4,469,031	339,108
1983	424,194	7,088,769	4,695,499	360,551
1984	422,245	7,604,199	4,980,484	387,300
1985	427,572	8,060,406	5,284,942	415,544
1986	426,532	8,370,257	5,493,138	437,263
1987	468,363	10,147,149	7,170,035	556,135
1988	483,913	11,504,190	8,387,106	658,879
1989	510,512	13,091,785	9,540,367	729,649
1990	520,785	13,958,079	10,260,825	794,478
1991	527,993	14,648,266	10,745,622	840,485
1992	531,758	15,284,606	11,117,647	877,623
1993	532,533	15,307,960	11,178,223	884,048
1994	545,715	15,951,730	11,617,978	923,601
1995	521,194	15,307,772	11,115,466	883,119
1996	523,967	15,966,451	11,510,879	917,117
1997	514,563	16,651,182	12,245,720	983,677
1998	516,582	17,212,238	12,734,546	1,027,478
1999	517,178	18,276,952	13,760,031	949,346

1/ Exclusive of losses.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual) and records.

Table 9.19-- SOURCES OF INCOME REPORTED BY ELDERLY AND ALL OTHER RESIDENT TAXPAYERS: TAX YEAR 1999

[In thousands of dollars. Use of federal amounts for income sources was necessary because there is no detailed information on income sources on the simplified Hawaii Form N-11 used by most residents]

Source of Income	Total	Elderly	All others
Salaries and wages	14,094,183	664,384	13,429,799
Taxable dividends	428,600	221,957	206,643
Interest	623,251	324,400	298,851
Sole proprietorships	727,847	59,764	668,083
Capital assets and other property	1,375,263	495,911	879,352
Rents and royalties	-3,680	99,945	-103,625
Partnerships	416,503	60,072	356,431
Estates and trusts	98,157	45,146	53,011
Pensions and annuities	1,816,273	1,208,902	607,371
Taxable IRA payouts	362,068	202,336	159,732
Taxable Social Security	383,894	343,016	40,878
All other sources	153,935	-35,205	189,140
Total reportable income for Federal purposes	20,476,290	3,690,626	16,785,664
Plus: Items taxed by Hawaii but not federal 1/	329,612	48,911	280,701
Less: Items taxed by federal but not by Hawaii 2/	2,332,146	1,608,188	723,959
Total reportable income for Hawaii purposes	18,473,755	2,131,349	16,342,406

1/ Includes COLA for federal employees, Employee retirement contributions of state and county employees, and interest from municipal bonds

2/ Includes Social security benefits, most pensions, and interest on federal bonds.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals: 1999* (p.19); Department of Taxation unpublished detail, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.20-- STATE INCOME TAX RESIDENT RETURNS ON INCOME RECEIVED DURING 1999, BY ADJUSTED GROSS INCOME CLASS

Adjusted gross income class	Number of returns	Adjusted gross income 1/ (dollars)	Taxable income (dollars)	Tax liability (dollars)
All resident returns	517,178	18,276,952,388	13,760,031,410	949,346,195
Taxable resident returns	430,579	18,301,719,062	13,760,031,410	949,346,195
Under \$5,000	32,923	101,433,589	43,178,819	949,704
\$5,000, under \$10,000	46,527	346,156,670	194,631,203	6,632,566
\$10,000, under \$20,000	81,350	1,213,487,104	837,405,813	41,950,648
\$20,000, under \$30,000	70,715	1,756,134,135	1,308,031,413	77,868,745
\$30,000, under \$40,000	48,646	1,688,670,793	1,264,541,360	80,774,048
\$40,000, under \$50,000	36,287	1,625,146,224	1,197,314,588	78,945,213
\$50,000, under \$75,000	57,994	3,535,817,776	2,581,032,744	176,887,169
\$75,000, under \$100,000	27,568	2,362,786,426	1,745,517,976	125,149,819
\$100,000, under \$150,000	18,171	2,147,072,933	1,648,597,075	124,213,460
\$150,000, under \$200,000	4,583	783,796,625	624,432,271	48,986,590
\$200,000 and over	5,815	2,741,216,787	2,315,348,148	186,988,233
Nontaxable resident returns	86,599	-24,766,674	...	...
Loss	6,277	-290,306,642	...	...
Under \$5,000	65,625	76,749,249	...	...
\$5,000, under \$10,000	8,104	56,263,940	...	...
\$10,000 and over	6,593	132,526,779	...	...

1/ Total and subtotals exclude losses.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns, Individuals, 1999*, table 1.

**Table 9.21-- MEDIAN ADJUSTED GROSS INCOME OF RESIDENT STATE
INCOME TAX RETURNS, BY TYPE OF RETURN, 1982 TO 1999,
AND BY COUNTIES, 1999**

[In dollars]

Year income was received	Taxable and nontaxable returns 1/			Taxable returns only		
	All returns	Joint	Other 2/	All returns	Joint	Other 2/
1982	11,178	23,737	6,080	15,466	27,285	9,636
1983	11,297	25,047	6,432	15,937	29,076	10,009
1984	12,035	25,290	6,858	16,565	28,935	10,540
1985	12,488	25,838	7,087	17,124	29,870	10,710
1986	12,941	26,576	7,768	17,747	31,755	11,557
1987	13,252	29,036	7,709	17,977	34,063	11,131
1988	14,749	31,787	8,910	18,956	36,706	12,452
1989	15,614	34,581	9,382	20,502	39,305	13,748
1990	16,297	35,355	10,351	21,250	40,924	14,286
1991	17,737	37,709	11,607	22,502	43,322	15,321
1992	18,042	38,707	11,909	23,462	45,138	16,389
1993	18,504	39,838	11,913	24,196	46,222	17,296
1994	18,827	39,782	12,070	25,265	46,778	17,922
1995	19,602	39,147	13,401	25,277	46,714	18,439
1996	19,834	39,079	13,217	25,393	47,505	18,294
1997	20,866	41,750	13,671	26,475	48,865	18,475
1998	21,065	42,534	13,944	26,838	50,147	18,615
1999	21,662	44,656	14,596	27,445	52,085	18,969
COUNTIES: 1999						
Honolulu	22,375	46,467	14,793	28,363	53,988	19,400
Maui	22,405	45,092	16,620	26,817	50,489	19,295
Hawaii	17,360	36,433	11,148	23,800	44,997	16,449
Kauai	20,241	41,243	14,322	25,598	46,718	17,888

1/ Includes returns with adjusted gross income losses.

2/ Including single, married filing separately, heads of households and qualifying widows and widowers.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns, Individuals* (annual).

**Table 9.22-- TAX CREDITS CLAIMED BY INDIVIDUALS
AND CORPORATIONS: 1998 AND 1999**

[In numbers and dollars]

Type of credit	1998		1999	
	Number of returns	Amount of credit	Number of returns	Amount of credit
Number of individual returns filed	565,422		566,737	
Returns with tax credits	462,064	62,877,680	242,525	52,982,851
Food credit	457,994	25,432,002	(NA)	(NA)
Low income credit	(NA)	(NA)	186,266	8,690,725
Renter's credit 1/	71,432	6,957,550	71,795	7,198,900
Dependent care credit 1/	25,843	7,662,757	26,039	7,803,344
Child car seat credit 1/	3,442	86,050	3,629	90,725
Capital goods excise credit 1/	3,150	2,446,087	3,424	3,556,989
Fuel credit for commercial fishers 1/	352	104,966	310	109,365
Motion picture credit 1/	8	11,551	7	52,225
Hotel remodeling credit 1/	49	135,094	(NA)	(NA)
Energy device credit 1/	3,987	4,534,355	3,948	4,468,091
Vocational rehabilitation job credit 1/	19	25,703	14	14,060
Enterprise zone credit 1/	13	236,590	35	169,806
High technology credit	(NA)	(NA)	21	152,493
Other nonrefundable credits 2/	7,507	15,244,975	7,058	20,676,128
Number of corporation income tax returns filed	18,387		18,437	
Returns with tax credits	2,410	25,466,244	2,340	21,123,192
Capital goods tax credit	2,348	22,536,557	2,281	18,249,358
Fuel credit for commercial fishers 1/	22	10,280	21	21,462
Vocational rehabilitation job credit	13	10,963	10	11,277
Hotel remodeling credit 1/	69	1,674,856	21	1,173,668
Energy device credit	12	87,173	17	94,872
Low-income housing credit	15	242,576	24	295,457
Other credits 3/	10	734,681	15	1,108,214
Other credits 4/	10	734,681	(D)	1,098,499
Motion picture credit	(D)	682,233	(D)	1,066,791
Enterprise zone credit	(D)	52,448	(D)	31,708
High technology credit	(NA)	(NA)	(D)	9,715
Lifeline telephone service credit	5/	169,158	5/	168,884

D Data not disclosed.

NA Not available.

1/ Data for 1998 are revised.

2/ Includes the low-income housing tax credit and the credit for taxes paid to other jurisdictions.

3/ Includes high technology credit, enterprise zone credit and motion picture credit.

4/ Includes enterprise zone credit and motion picture credit.

5/ Initiated in 1986. At the close of 1998, the telephone company reported 7,572 subscribers who are being serviced at subsidized rates. It claimed \$169,158 for the telephone lifeline credit.

At the close of 1999, the telephone company reported 8,090 subscribers

who are being serviced at subsidized rates. It claimed \$168,884 for the telephone lifeline credit.

Source: Hawaii State Department of Taxation *Tax Credits Claimed by Hawaii*

Individuals and Corporations: 1998 (April 2000) and *1999* (May 2000) and <<http://www.state.hi.us/tax>>

**Table 9.23-- GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS:
1999 AND 2000**

[In thousands of dollars. Data are on a cash basis accounting]

Source of revenue	Tax base		Tax collections	
	1999	2000	1999	2000
All sources	47,888,314	53,465,430	1,454,779	1,611,446
Sources taxed at 4 percent	33,327,745	36,720,731	1,333,110	1,468,829
Retailing	15,957,379	17,453,936	638,295	698,157
Services	5,647,648	6,045,695	225,906	241,828
Contracting	2,991,201	3,613,485	119,648	144,539
Theater, amusement, radio	220,959	253,484	8,838	10,139
Interest	216,884	251,433	8,675	10,057
Commissions	710,880	805,890	28,435	32,236
Hotel rentals	2,158,193	2,419,287	86,328	96,771
All other rentals	3,687,580	3,886,038	147,503	155,442
Use (4 percent)	462,928	613,025	18,517	24,521
All others (4 percent)	1,274,095	1,378,458	50,964	55,138
Sources taxed at other rates 1/	14,560,569	16,744,698	70,139	79,784
Insurance solicitors	761,218	1,125,457	1,142	1,688
Sugar processing	26,195	15,436	131	77
Pineapple canning	5,148	4,732	26	24
Producing	501,501	519,272	2,508	2,596
Manufacturing	585,305	586,039	2,927	2,930
Wholesaling	8,059,260	9,082,585	40,296	45,413
Services (intermediary)	298,815	378,574	1,494	1,893
Use (1/2 percent)	4,323,127	5,032,604	21,616	25,163
Unallocated net collections 2/	(X)	(X)	51,530	62,832

X Not applicable.

1/ Insurance solicitors at 0.15 percent; others at 0.5 percent.

2/ Includes electronic fund payments not identified by source, penalty and interest, assessments and corrections, delinquent collections, refunds, protested payments and settlements, etc.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" and "General Excise and Use Tax Collections" (calendar year summary tables) and <<http://www.state.hi.us/tax/tax.html>>.

Table 9.24-- TOBACCO TAX COLLECTIONS: 1994 TO 2000

[In dollars]

Year	Cigarettes 1/	Other tobacco products 2/
1994	33,424,978	2,802,993
1995	34,683,672	2,765,172
1996	35,836,158	1,805,131
1997	32,878,288	2,677,839
1998	35,694,448	3,804,475
1999	39,697,383	1,996,928
2000	40,777,139	2,941,355

1/ The rate per cigarette was changed on July 1, 1993 to \$0.03 (Act 220; SLH 1993) September 1, 1997 to \$0.04 and on July 1, 1998 to \$0.05.

2/ Other [than cigarettes] tobacco products are taxed at 40 percent of wholesale value; see HRS, 1985 Replacement, section 245-3.

Source: Hawaii State Department of Taxation, "Tobacco Tax Collections and Licenses" (annual release).

Table 9.25-- LIQUOR TAX COLLECTIONS: 1990 TO 2000

[In thousands of dollars. Definitions and rates are as specified in Hawaii Revised Statutes Chapter 244D, and as amended]

Year	Total	Year	Total
1990	42,094	1996	38,624
1991	40,125	1997	38,624
1992	40,983	1998 1/	38,361
1993	38,286	1999	37,139
1994	38,753	2000	39,887
1995	37,486		

1/ Beginning July 1, 1998, tax rates per wine gallon are \$5.98 on distilled spirits, \$2.12 on sparkling wine, \$1.38 on still wine, \$0.85 on cooler beverages, \$0.93 on beer other than draft beer, and \$0.54 on draft beer.

Source: Hawaii State Department of Taxation, "Liquor Tax Collections and Permits" (annual release).

Table 9.26-- REAL PROPERTY TAX VALUATIONS: 1986 TO 2002

[In thousands of dollars. For fiscal years ended June 30. Government parcels assessed at \$1, 1985-1987, and at 100 percent thereafter]

Year 1/	Assessor's gross valuation 2/			Valuation for tax rate purposes
	Total	Land	Improvement	
1986	51,231,020	25,507,708	25,723,312	43,581,421
1987	52,814,463	26,442,872	26,371,591	45,222,885
1988	54,655,038	27,396,477	27,258,561	46,629,959
1989	67,628,063	36,730,370	30,897,693	50,219,249
1990	76,926,745	42,778,927	34,147,818	57,526,564
1991	99,942,540	61,554,968	38,387,572	71,080,524
1992	132,952,299	88,359,248	44,593,051	95,943,417
1993	130,733,131	84,299,686	46,433,445	111,593,106
1994	136,239,310	87,785,946	48,453,364	115,954,097
1995	137,202,083	86,552,575	50,649,508	116,389,670
1996	136,153,769	84,102,966	52,050,803	115,115,001
1997	135,073,354	82,035,301	53,038,053	114,303,125
1998	131,536,224	78,049,699	53,486,525	110,955,447
1999	125,412,154	72,253,741	53,158,413	105,184,585
2000	120,687,029	67,673,347	53,013,682	100,906,373
2001	118,929,005	65,241,123	53,687,882	98,984,387
2002	123,394,937	66,563,433	56,831,504	103,313,817

1/ As of January 1 for Hawaii, Kauai, and Maui Counties; for the City and County of Honolulu only through 1996, and October 1 thereafter.

2/ Beginning in 1992, values shown for gross valuation exclude nontaxable properties.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates, & Exemptions, 2001-2002 Tax Year, State of Hawaii* (July 2001) and earlier reports as the Department of Finance.

<http://www.co.honolulu.hi.us/rpa/staterpt.htm>

**Table 9.27-- REAL PROPERTY TAX VALUATIONS FOR THE STATE,
1999 TO 2002, AND BY COUNTY, 2002**

[In thousands of dollars. Fiscal year ended June 30. Gross valuations exclude nontaxable (government) properties]

Subject: State	1999	2000	2001	2002
Assessor's gross valuation 1/	125,412,154	120,687,029	118,929,005	123,394,937
Land	72,253,741	67,673,347	65,241,123	66,563,433
Improvement	53,158,413	53,013,682	53,687,882	56,831,504
Exemptions 1/	18,460,133	18,386,518	18,443,052	18,760,783
Assessor's net taxable valuation	106,952,021	102,300,511	100,485,953	104,634,154
Half of valuation on appeal	1,767,433	1,394,133	1,220,936	1,320,337
Number of appeals	3/ 3,951	3,786	3,966	3,873
Valuation for tax rate purposes	105,184,585	100,906,373	98,984,387	103,313,817
Land	65,316,594	61,127,903	58,895,855	60,480,979
Improvement	39,867,991	39,778,470	40,088,532	42,832,838
Amount to be raised by taxation 2/	579,983	590,613	579,709	596,685
Subject: Tax Year 2002	Honolulu	Maui	Hawaii	Kauai
Assessor's gross valuation 1/ 2/	84,452,632	18,469,343	13,554,849	6,918,113
Land	47,430,196	9,024,539	6,750,139	3,358,559
Improvement	37,022,436	9,444,804	6,804,710	3,559,554
Exemptions 1/	13,699,889	1,732,306	2,432,473	896,115
Assessor's net taxable valuation	70,752,743	16,737,037	11,122,376	6,021,998
Half of valuation on appeal	1,081,174	36,502	51,052	151,609
Number of appeals	2,483	457	346	587
Valuation for tax rate purposes	69,671,569	16,700,535	11,071,324	5,870,389
Land	42,815,828	8,554,999	6,068,900	3,041,252
Improvement	26,855,741	8,145,536	5,002,424	2,829,137
Amount to be raised by taxation	371,233	95,607	91,017	38,828

This table conforms to the convention of "Fiscal Year ending June 30, 2002" as 2002. Earlier *Data Book* tables may have used as "Year" that beginning July 1.

1/ Beginning in 1992, data exclude nontaxable properties.

2/ As of January 1, but beginning in 1997, as of October 1 for the City and County of Honolulu only.

3/ Source revised August 19, 1998.

Source: City and County of Honolulu, Department of Budget and Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates, & Exemptions, 2001-2002 Tax Year, State of Hawaii* (July 2001) and earlier reports as Department of Finance.

<http://www.co.honolulu.hi.us/rpa/staterpt.htm>

**Table 9.28-- REAL PROPERTY TAX EXEMPTIONS FOR THE STATE, BY TYPE:
TAX YEARS 2000 AND 2001**

[Report not available for 2002]

Type of exemption	2000		2001	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
All exemptions, Statewide	227,935	37,067,441	227,714	36,731,469
Federal government	628	3,508,589	707	3,702,676
State government	7,968	10,310,399	8,033	10,061,750
County government	3,824	3,871,050	3,793	3,720,077
Government leases - Total	148	59,465	152	61,356
Government leases - Portion	99	19,981	107	24,803
Hawaiian Homes Commission	2,129	315,272	2,329	352,212
Hawaiian Homes Land - Basic	611	41,932	617	40,597
Hawaiian Homes Land - Multiple	330	29,804	334	29,108
Hawaiian Homes Land - Total land	2,753	466,024	2,764	428,468
Hawaiian Homes Land - Vacant land	143	14	143	14
Hawaiian Homes - 7 Year	455	59,498	619	67,080
Homes - fee (Basic)	93,152	3,830,751	88,978	3,667,972
Homes - fee (Multiple)	85,781	8,309,438	90,366	8,610,307
Homes - lease (Basic)	5,695	229,681	4,952	200,070
Homes - lease (Multiple)	5,326	497,383	5,460	495,686
Additional home exemption	1,424	49,565	1,111	38,385
Blind	480	12,089	476	11,825
Deaf	148	3,924	141	3,693
Leprosy	8	140	7	117
Totally disabled	5,787	157,199	5,766	154,491
Totally disabled veterans	596	132,312	635	133,786
Cemeteries	102	38,971	106	44,704
Charitable organizations	977	971,525	991	966,167
Churches	1,455	1,155,480	1,459	1,111,958
Civil - Condemnation	61	26,996	48	32,861
Credit Unions	79	69,841	82	71,106
Crop shelters	49	3,156	46	3,089
Foreign consulates	30	14,686	30	14,322
Forest reserve	6	4,115	6	4,115
Historic residential properties	98	70,111	99	62,725
Hospitals	89	497,029	103	498,903
Landscaping, open-space	49	18,213	48	16,404
Low-moderate income housing	488	870,568	379	847,594
Public utilities	796	667,697	627	577,825
Roadways and waterways	5,901	11,288	5,947	11,940

Continued on next page.

**Table 9.28-- REAL PROPERTY TAX EXEMPTIONS, BY TYPE:
2000 AND 2001 - Con.**

Type of exemption	2000		2001	
	Number	Amount 1/ (\$1,000)	Number	Amount 1/ (\$1,000)
Schools	184	726,728	185	649,398
Setbacks	4	764	3	499
Slaughterhouse	2	2,054	2	2,022
Taro	44	8	36	9
Tree Farm	3	754	-	-
Miscellaneous	33	12,947	27	11,352

1/ Includes government parcels at actual value and exemptions on federal leases, if any. These data differ from the exemptions in Table 9.30 which exclude nontaxable (government) properties.

Source: City and County of Honolulu, Department of Finance, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 1999-2000 Tax Year, State of Hawaii* (July 1999) and City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2000-2001 Tax Year, State of Hawaii* (July 2000), <http://www.co.honolulu.hi.us/rpa/staterpt.htm>

**Table 9.29-- REAL PROPERTY TAX VALUATIONS, BY LAND USE CLASSES:
FISCAL YEARS 2001 AND 2002**

[In thousands of dollars. For fiscal year ending June 30]

Land use class	Gross valuation, January 1st of earlier year			To be raised by taxation, fiscal year
	Total	Land	Improvement	
Fiscal year 2001				
All classes	118,929,005	65,241,123	53,687,882	579,709
Improved residential 2/ Apartment	48,121,195	31,122,554	16,998,641	153,598
Commercial	20,724,701	7,207,845	13,516,856	87,050
Industrial	13,066,069	6,792,892	6,273,177	103,533
Agricultural	6,405,513	4,041,396	2,364,117	54,589
Conservation	4,821,572	3,261,783	1,559,789	33,963
Hotel/resort	1,301,399	1,157,575	143,824	9,868
Unimproved residential 2/ Homeowner 3/ Single family 4/ Homestead 4/	11,060,671	4,510,235	6,550,436	95,243
	1,882,216	1,617,066	265,150	7,696
	8,245,948	3,728,537	4,517,411	21,425
	1,626,110	1,018,231	607,879	8,189
	1,673,611	783,009	890,602	4,555
Fiscal year 2002				
All classes	123,394,937	66,563,433	56,831,504	596,685
Improved residential 2/ Apartment	50,015,540	31,791,947	18,223,593	160,121
Commercial	21,271,533	7,321,621	13,949,912	86,940
Industrial	13,159,038	6,751,710	6,407,328	103,415
Agricultural	6,420,419	3,858,884	2,561,535	54,089
Conservation	5,170,526	3,520,804	1,649,722	36,814
Hotel/resort	1,277,280	1,131,567	145,713	9,228
Unimproved residential 2/ Homeowner 3/ Single family 4/ Homestead 4/ Public Service 5/	11,684,685	4,659,957	7,024,728	102,503
	1,519,098	1,316,332	202,766	6,679
	8,984,241	4,067,705	4,916,536	23,737
	1,708,195	1,028,438	679,757	8,290
	1,753,308	784,201	969,107	4,869
	431,074	330,267	100,807	0

1/ Excludes nontaxable properties. Beginning in 1997, valuation for the City and County of Honolulu is as of October 1.

2/ Excludes Kauai.

3/ Maui and Hawaii only.

4/ Kauai only.

5/ City and County of Honolulu only.

Source: City and County of Honolulu, Department of Finance, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 1999-2000 Tax Year, State of Hawaii* (July 1999) and City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2000-2001 Tax Year, State of Hawaii* (July 2000), <http://www.co.honolulu.hi.us/rpa/staterpt.htm>

Table 9.30--MAJOR REAL PROPERTY TAXPAYERS, FOR THE CITY AND COUNTY OF HONOLULU: FISCAL YEAR 2001

Rank	Taxpayer	Original debit 1/ (dollars)	Land area (acres)	Gross assessed value 2/ (dollars)
	Top 20 real property taxpayers	86,426,575	73,400.73	11,902,702,300
1	Bishop Estate	16,607,743	27,242.09	3,758,208,500
2	Queen's Medical Center et al	8,845,039	2,201.01	1,059,616,200
3	GGP Ala Moana LLC	6,963,094	62.85	754,977,000
4	Kyo-Ya Co., Ltd.	6,664,874	14.26	670,222,900
5	Hilton Hawaiian Village Joint Venture	6,189,296	19.86	621,415,300
6	James Campbell Corporation	5,649,167	22,014.39	685,510,700
7	Liliuokalani Trust	4,872,081	37.00	627,457,100
8	Damon, Samuel M. Trust Estate	4,586,573	3,967.30	508,651,500
9	Dole Food Company	3,726,031	16,868.15	510,751,200
10	Outrigger Hotels Hawaii	3,040,260	9.53	313,050,400
11	Loyalty Development	2,436,917	93.36	292,352,800
12	Victoria Ward Ltd.	2,368,599	61.14	256,265,800
13	Pacific Century	2,207,086	116.64	382,752,800
14	Steiner Family Ltd. Partnership	2,070,506	2.35	208,349,100
15	First Hawaiian Inc.	2,062,484	21.99	253,636,000
16	MFD Partners	1,883,388	5.64	205,165,600
17	Weinberg, Harry Foundation	1,867,337	37.79	266,614,900
18	Bishop Square Associates	1,642,404	2.92	177,557,200
19	Gentry Properties, etc.	1,405,469	619.32	215,787,200
20	Azabu Corporation	1,338,227	3.14	134,360,100

1/ Original debit as of July 1, 2000.

2/ Land and improvements. As of October 1, 1999. Valuation at 100 percent of market value.

Source: City and County of Honolulu, Real Property Assessment Division, Administration/Technical Branch, records.

Table 9.31-- RESIDENTIAL PROPERTY TAX RATES IN HONOLULU AND THE MEDIAN OF 51 MAJOR CITIES: 1985 TO 2000

Year	Effective tax rate per \$100 1/			Nominal tax rate per \$100	Honolulu assessment level (percent)
	Median city 2/	Honolulu	Rank 3/		
1985	(NA)	0.61	50	1.06	61.2
1986	(NA)	0.60	51	0.66	90.8
1987	(NA)	0.59	51	0.66	89.0
1988	(NA)	0.59	51	0.66	89.0
1989	(NA)	0.64	48	0.64	100.0
1990	(NA)	0.48	51	0.48	100.0
1991	(NA)	0.37	51	0.37	100.0
1992	1.49	0.30	51	0.35	84.3
1993 4/	(NA)	(NA)	(NA)	(NA)	(NA)
1994	1.60	0.33	51	0.35	93.4
1995	1.59	0.33	51	0.35	93.4
1996	1.54	0.33	51	0.35	95.0
1997	1.42	0.39	51	0.39	100.0
1998	1.41	0.46	51	0.46	100.0
1999	1.55	0.37	51	0.37	100.0
2000	1.52	0.37	51	0.37	100.0

NA Not available.

1/ Adjusted to 100-percent assessment level.

2/ Largest city in each state, and the District of Columbia. For the listing of cities, see source.

3/ The lower the rank, the higher the percentage of income paid in taxes. For a breakdown of taxes, see source.

4/ Both *Statistical Abstract 1994* and *1995* contained data for 1992 and none contained 1993 data.

Source: Data from D.C. Department of Finance and Revenue cited in *Statistical Abstract of the United States, 1987* (p. 279), *1988* (pg. 281), *1989* (pg. 291), *1990* (pg. 298), *1991* (pg. 304), *1992* (pg. 303), *1993* (pg. 316), *1994* (pg. 310), *1996* (p. 311), *1997* (p. 316), and for 1996 and 1997 data, Government of the District of Columbia, *Tax Rates and Tax Burdens In the District of Columbia - A National Comparison 1996*, (July 1997), table 1; *Ibid. 1997* (July 1998), table 1; *Ibid. 1998* (July 1999), table 4, <<http://www.dccfo.com/otrdco/netscape/mediacenter/recent.htm>> and *Ibid. 1999* (July 2000), table 4, and <<http://www.dccfo.com/services/studies/index.html>> accessed August 16, 2001; and *Ibid. 2000*, table 4.

**Table 9.32-- RESIDENTIAL PROPERTY TAX RATES IN HONOLULU
AND SELECTED UNITED STATES CITIES: 2001**

[The home market values shown in the table below are based on 2,200 sq. ft., single-family dwelling with 4-bedroom, 2.5-bath home in suburban communities surrounding the city where middle income families reside. The sampling of locations is based on an analysis of more than 300 markets. In determining real estate taxes, consideration is given to: community general real estate tax rate of assessment, date of last market assessment, and percentage of market value subject to assessment. The source of which is each community's tax assessor's office]

Location City	Home market value	Annual real estate taxes	Percent of home market value
High property tax location			
Rockford, IL	151,500	5,184	3.42
Buffalo, NY	148,700	4,904	3.30
Wausau, WI	181,000	5,764	3.18
Lancaster, PA	158,900	4,838	3.04
Syracuse, NY	142,800	4,278	3.00
Midland, TX	103,000	2,903	2.82
Princeton, NJ	259,100	7,093	2.74
Providence, RI	189,900	5,090	2.68
Low property tax locations			
Montgomery, AL	161,200	493	0.31
Honolulu, HI	403,600	1,249	0.31
Seaford, DE	141,000	683	0.48
Boulder, CO	392,600	2,066	0.53
Baton Rouge, LA	160,800	895	0.56
Charleston, SC	218,500	1,307	0.60
Denver, CO	318,400	1,911	0.60
New Orleans, LA	130,200	797	0.61

Source: Runzheimer International, U.S. News Release, April 23, 2001 and
<<http://www.runzheimer.com/corpc/news/scripts/042301.asp>> accessed July 19, 2001.

Table 9.33-- REAL PROPERTY TAX RATES, BY COUNTIES: 2002

[In dollars per \$1,000 net taxable value. For fiscal year ended June 30]

Land use class	Honolulu	Maui	Hawaii	Kauai
Land:				
Improved residential	3.65	4.93	8.50	1/ 5.64
Unimproved residential	4.66	4.93	10.00	(X)
Apartment	4.21	4.93	10.00	8.70
Hotel/resort	9.96	8.30	10.00	8.70
Commercial	9.25	6.75	10.00	8.70
Industrial	9.39	6.75	10.00	8.70
Agricultural	9.89	4.93	10.00	8.10
Conservation	9.25	4.93	10.00	8.60
Homeowner	(X)	3.63	4.45	(X)
Homestead	(X)	(X)	(X)	4.65
Public Service	0.00	(X)	(X)	(X)
Building:				
Improved residential	3.65	4.93	8.50	1/ 4.65
Unimproved residential	4.66	4.93	8.50	(X)
Apartment	4.21	4.93	8.50	8.30
Hotel/resort	9.96	8.30	8.50	8.30
Commercial	9.25	6.75	8.50	8.30
Industrial	9.39	6.75	8.50	8.30
Agricultural	9.89	4.93	8.50	4.65
Conservation	9.25	4.93	8.50	4.65
Homeowner	(X)	3.63	4.45	(X)
Homestead	(X)	(X)	(X)	3.79
Public Service	0.00	(X)	(X)	(X)

X Not applicable.

1/ Single family residential.

Source: City and County of Honolulu, Department of Finance, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2001-2002 Tax Year, State of Hawaii* (July 2001) and <http://www.co.honolulu.hi.us/rpa/staterpt.htm>

Table 9.34-- FEDERAL EXPENDITURES IN HAWAII: 1986 TO 2000

[In millions of dollars. For fiscal years ended June 30 through 1976 and September 30 thereafter]

Fiscal year	Amount	Percentage Change from Year Previous	Fiscal year	Amount	Percentage Change from Year Previous
1986	4,647	(NA)	1994	7,644	5.0
1987	4,811	3.5	1995	7,450	-2.5
1988	5,065	5.3	1996	7,990	7.2
1989	5,571	10.0	1997	8,159	2.1
1990	5,634	1.1	1998	8,442	3.5
1991	6,198	10.0	1999	8,568	1.5
1992	6,636	7.1	2000	9,015	5.2
1993	7,283	9.7			

Source: U.S. Bureau of the Census, *Consolidated Federal Funds, Fiscal Year by State* (annual report, 1986-2000) at <<http://www.census.gov/govs/00cfr.pdf>> and <http://www.census.gov/govs/www/cffr00.htm> released and accessed April 19, 2001.

**Table 9.35-- FEDERAL EXPENDITURES IN HAWAII,
BY TYPE: 1995 TO 2000**

[In millions of dollars and percent. For fiscal years ended September 30]

Type of expenditure	1995	1996	1997	1998	1999	2000
All categories	7,450	7,990	8,159	8,442	8,568	9,015
Grants to State and local governments	1,083	1,105	1,137	1,190	1,335	1,348
Salaries and wages	2,310	2,409	2,330	2,557	2,436	2,429
Retirement and disability	2,043	2,139	2,262	2,348	2,430	2,583
Procurement	777	1,027	1,077	1,053	1,141	1,278
Other direct payments	1,235	1,311	1,352	1,293	1,226	1,377
Department of Defense	2,901	3,258	3,179	3,394	3,356	3,473
Other federal agencies	4,549	4,732	4,981	5,048	5,212	5,542

Type of expenditure	1995	1996	1997	1998	1999	2000
All categories	-2.5	7.2	2.1	3.5	1.5	5.2
Grants to State and local governments	-9.1	2.0	2.9	4.7	12.2	1.0
Salaries and wages	-7.5	4.3	-3.3	9.7	-4.7	-0.3
Retirement and disability	3.7	4.7	5.8	3.8	3.5	6.3
Procurement	-14.1	32.2	4.9	-2.2	8.4	12.0
Other direct payments	14.7	6.2	3.1	-4.4	-5.2	12.3
Department of Defense	-9.7	12.3	-2.4	6.8	-1.1	3.5
Other federal agencies	2.6	4.0	5.3	1.3	3.2	6.3

Source: U.S. Bureau of the Census, *Consolidated Federal Funds, Fiscal Year by State* (annual report, 1986-2000) at <<http://www.census.gov/govs/00cfr.pdf>> and <http://www.census.gov/govs/www/cffr00.htm> released and accessed April 19, 2001.

Table 9.36-- PER CAPITA DIRECT FEDERAL EXPENDITURES IN THE UNITED STATES AND HAWAII, BY TYPES: 2000

[For fiscal year ended September 30. Direct expenditures exclude federal assistance such as loans and insurance]

Category	Per capita direct federal expenditures 1/			
	United States (dollars)	Hawaii (dollars)	Hawaii as percent of U.S.	Hawaii rank 2/
All categories	5,739.81	7,441.24	129.6	6
Retirement and disability	1,948.45	2,131.93	109.4	14
Other direct payments	1,279.75	1,136.57	88.8	33
Grants to State and local governments	1,081.68	1,112.99	102.9	20
Procurement	782.96	1,054.87	134.7	6
Salaries and wages	646.97	2,004.88	309.9	2
Department of Defense	835.20	2,866.62	343.2	2
All other Federal agencies	4,904.62	4,574.62	93.3	34

1/ Resident population as of Census 2000 count April 1, 2000. Census count for the United States: 285,230,516; for Hawaii: 1,211,537 (source table 10). Hawaii has 0.4 percent of the United States resident population.

2/ A rank of 1 indicates the highest per capita direct federal expenditure. Rank among the 50 states. When the District of Columbia is included, Hawaii ranked seventh for the all-categories total.

Source: U.S. Bureau of the Census, *Consolidated Federal Funds Report for Fiscal Year 2000* (April 2001), tables 10 and 12, and <<http://www.census.gov/govs/00cffi.pdf>> released and accessed April 19, 2001; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.37-- DIRECT FEDERAL EXPENDITURES OR OBLIGATIONS IN HAWAII, BY COUNTY: 2000

[In thousands of dollars. For fiscal year ended September 30. Direct expenditures exclude federal assistance such as loans and insurance. Values less than \$500 rounded to 0]

Area	Total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/	State undistributed
Population (April 1, 2000 count)	1,211,537	876,156	148,677	58,463	128,241	-
Direct expenditures or obligations	9,015,343	7,233,928	665,346	300,320	430,494	385,255
Defense	3,473,016	3,315,045	37,487	81,110	39,374	-
Non-defense	5,542,326	3,918,882	627,860	219,210	391,120	385,255
Retirement and disability payments - Social Security	2,582,917	1,973,129	302,814	105,680	195,135	6,158
Federal	1,727,796	1,228,016	244,186	88,315	167,279	-
Veterans benefit payments	729,532	652,595	38,522	13,126	19,130	6,158
All other	100,841	73,689	15,791	3,920	7,442	-
	24,748	18,830	4,315	319	1,284	-
Other direct payments.	1,376,998	785,153	151,038	60,153	95,500	285,154
Other direct payments for individuals	1,248,501	765,487	149,112	59,917	93,326	180,660
Food Stamps	166,260	108,088	36,646	8,188	13,337	-
Medicare	683,473	504,652	81,503	35,824	61,494	-
Unemployment Compensation Benefits	102,537	-	-	-	-	102,537
Excess Earned Income Tax Credits	78,123	-	-	-	-	78,123
Lower Income Housing Assistance - Section 8 Moderate Rehabilitation	178,782	122,280	25,178	15,236	16,088	-
All other	39,326	30,466	5,785	669	2,407	-
Direct Payments Other Than For Individuals	128,497	19,666	1,927	236	2,174	104,494

Continued on next page.

Table 9.37 -- DIRECT FEDERAL EXPENDITURES OR OBLIGATIONS IN HAWAII, BY COUNTY: 2000 --Con.

Area	Total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/	State undistributed
Total grant awards	1,348,432	982,618	151,348	43,372	77,151	93,942
Highway Planning and Construction	124,348	27,565	46,899	10,206	33,525	6,154
Family Support Payments to States (AFDC+TANF)	99,786	70,247	18,062	3,992	7,484	-
Medical Assistance Program (Medicaid)	369,768	287,116	40,826	18,663	23,163	-
Other	754,530	597,690	45,561	10,511	12,980	87,788
Procurement contract awards	1,278,008	1,157,167	16,492	66,901	37,449	-
Defense	1,146,260	1,050,490	6,932	61,309	27,529	-
Non-defense	131,748	106,677	9,560	5,592	9,920	-
Salaries and wages	2,428,988	2,335,861	43,654	24,214	25,259	-
Defense	2,044,932	2,018,847	8,771	13,985	3,329	-
Non-defense	384,056	317,014	34,883	10,229	21,930	-
US Postal Service	162,688	132,080	12,827	5,527	12,254	-
Other	221,368	184,934	22,056	4,701	9,676	-
Other federal assistance	5,545,818	3,323,096	520,961	438,514	1,247,229	16,018
Direct loans	21,455	4,134	6,219	2,683	8,420	-
Guaranteed loans	420,935	303,323	70,776	6,975	39,861	-
Insurance	5,103,428	3,015,639	443,966	428,856	1,198,948	16,018

1/ Includes Kalawao Census County.

Source: U.S. Bureau of the Census, *Consolidated Federal Funds Report for Fiscal Year 2000* (April 19, 2001) p. 38, <<http://www.census.gov/govs/00cfr.pdf>>, and <<http://www.census.gov/govs/cffr/00cffhi.txt>> accessed April 19, 2001.

Table 9.38 ADJUSTED FEDERAL EXPENDITURES PER DOLLAR OF TAXES, BY STATE: FISCAL YEARS 1989 AND 1999

[Expenditures calculated by Tax Foundation based on federal expenditure data from the U.S. Bureau of the Census. Federal tax revenue is derived from the individual income tax; social insurance taxes (Social Security and Medicare); corporate income tax; excise taxes (on beer, wine, tobacco, gasoline and other products); and estate and gift taxes; and customs duties. Rank of 1 indicates highest expenditure per tax dollar]

Area	Expenditures Per Dollar of Taxes			Ranking	
	1989	1999	Percent change 1989-99	1989	1999
Alabama	1.38	1.46	5.8	11	10
Alaska	1.31	1.57	19.8	16	6
Arizona	1.20	1.19	-0.8	21	19
Arkansas	1.38	1.39	0.7	10	12
California	0.90	0.88	-2.2	41	39
Colorado	1.20	0.90	-25.0	20	38
Connecticut	0.85	0.65	-23.5	43	50
Delaware	0.79	0.83	5.1	46	43
District of Columbia	5.52	6.71	21.6	-	-
Florida	0.95	1.01	6.3	34	31
Georgia	0.97	0.99	2.1	33	32
Hawaii	1.33	1.50	12.8	14	8
Idaho	1.41	1.19	-15.6	7	20
Illinois	0.73	0.73	0.0	48	46
Indiana	0.91	0.92	1.1	38	35
Iowa	1.14	1.15	0.9	24	22
Kansas	1.08	1.07	-0.9	26	25
Kentucky	1.24	1.35	8.9	18	14
Louisiana	1.33	1.36	2.3	13	13
Maine	1.05	1.31	24.8	28	15
Maryland	1.21	1.27	5.0	19	17
Massachusetts	1.03	0.86	-16.5	29	40
Michigan	0.77	0.82	6.5	47	44
Minnesota	0.91	0.79	-13.2	39	45
Mississippi	1.67	1.69	1.2	3	4
Missouri	1.38	1.22	-11.6	9	18
Montana	1.48	1.73	16.9	5	2
Nebraska	1.15	1.06	-7.8	23	27
Nevada	0.85	0.73	-14.1	44	47
New Hampshire	0.71	0.69	-2.8	49	48
New Jersey	0.64	0.65	1.6	50	49
New Mexico	2.07	1.97	-4.8	1	1
New York	0.82	0.85	3.7	45	41

Continued on next page.

Table 9.38 ADJUSTED FEDERAL EXPENDITURES PER DOLLAR OF TAXES, BY STATE: FISCAL YEARS 1989 AND 1999 - Con.

Area	Expenditures Per Dollar of Taxes			Ranking	
	1989	1999	Percent change 1989-99	1989	1999
North Carolina	0.93	1.03	10.8	36	30
North Dakota	1.73	1.65	-4.6	2	5
Ohio	0.99	0.93	-6.1	31	34
Oklahoma	1.27	1.43	12.6	17	11
Oregon	0.93	0.91	-2.2	37	37
Pennsylvania	0.94	1.05	11.7	35	29
Rhode Island	0.97	1.11	14.4	32	23
South Carolina	1.31	1.28	-2.3	15	16
South Dakota	1.56	1.47	-5.8	4	9
Tennessee	1.15	1.19	3.5	22	21
Texas	0.99	0.97	-2.0	30	33
Utah	1.45	1.06	-26.9	6	28
Vermont	0.89	1.07	20.2	42	24
Virginia	1.36	1.53	12.5	12	7
Washington	1.06	0.91	-14.2	27	36
West Virginia	1.39	1.72	23.7	8	3
Wisconsin	0.90	0.84	-6.7	40	42
Wyoming	1.12	1.06	-5.4	25	26

Source: Tax Foundation "Tax and Spending Policies Benefit Some States, Leave Others Footing the Bill", June 27, 2000 <<http://www.taxfoundation.org/>> and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 09.39-- FEDERAL PER CAPITA SPENDING, TAXES AND BALANCE OF PAYMENTS: 1983 TO 1999

[Year ending September 30. In 1999 dollars, adjusted by source estimate of Hawaii's cost of living. Rank of 1 indicates highest per capita]

Year	Balance of Payments	Federal Spending	Federal Taxes	Rank 1/		
				Balance of Payments	Federal Spending	Federal Taxes
1983	1,539	5,651	4,112	6	9	36
1984	1,407	5,495	4,088	6	10	37
1985	1,741	5,803	4,061	4	9	39
1986	1,613	5,681	4,068	6	11	38
1987	1,600	5,510	3,910	7	13	39
1988	1,538	5,420	3,882	8	14	38
1989	1,584	5,541	3,957	10	13	37
1990	1,056	5,241	4,185	18	22	35
1991	823	5,257	4,435	23	26	36
1992	512	5,283	4,771	23	30	33
1993	969	5,554	4,585	18	26	42
1994	1,040	5,615	4,575	17	23	41
1995	908	5,315	4,406	18	31	45
1996	1,367	5,628	4,261	12	20	46
1997	1,718	5,694	3,976	9	19	50
1998	1,981	5,874	3,893	10	17	50
1999	1,982	5,937	3,955	10	18	48

1/ Ranking is among the 50 states and is not calculated for the District of Columbia.

Source: *The Federal Budget and the States: Fiscal Year 1999*, by Herman B. Leonard, Jay H. Walder, and José A. Acevedo; Taubman Center for State and Local Government at the John F. Kennedy School of Government, Harvard University (annual) and <http://www.ksg.harvard.edu/taubmancenter/>

**Table 9.40-- PUBLIC BONDED DEBT OF STATE AND COUNTY
GOVERNMENTS: 1985 TO 2000**

[In millions of dollars. As of December 31 unless otherwise noted]

Year	Total bonded debt 1/	State debt	County debt			
			Honolulu	Maui	Hawaii	Kauai
1985	3,131.5	2,621.2	404.0	30.8	56.7	18.8
1986	3,311.8	2,720.4	456.8	47.2	69.3	18.0
1987	3,298.4	2,700.7	448.7	48.8	67.3	32.9
1988	3,382.3	2,728.8	513.6	43.1	65.1	31.6
1989	3,710.4	2,969.9	559.5	73.6	72.4	35.0
1990	4,484.5	3,394.4	846.3	110.5	100.0	33.2
1991	5,298.1	4,214.0	831.2	108.5	96.9	47.4
1992	6,170.0	4,842.4	1,044.0	140.2	93.5	49.9
1993	6,924.7	5,219.7	1,362.6	170.4	124.5	47.6
1994	6,913.5	5,015.4	1,544.6	185.1	119.5	49.0
1995	7,078.0	5,126.1	1,604.0	188.4	114.1	45.5
1996	7,098.6	5,051.3	1,669.8	194.3	143.5	39.8
1997 2/	7,239.3	5,258.1	1,616.2	188.2	139.0	37.8
1998 2/	7,826.6	5,795.5	1,635.9	223.8	133.2	38.3
1999 2/	7,705.6	5,522.8	1,785.7	235.1	126.4	35.7
2000	7,953.8	5,678.3	1,829.1	236.8	149.3	60.4

1/ Outstanding state and county bonds, both general obligation and revenue bonds. Gross debt exclusive of cash reserves. Excludes bonds not chargeable to public funds and short-term bond anticipation notes.

2/ Revised.

Source: Tax Foundation of Hawaii, *Government in Hawaii*, table 52 (annual) and Tax Foundation of Hawaii unpublished compilations of Hawaii State Department of Accounting and General Services, *Annual Report of the Comptroller* (annual) and of the Finance Directors' Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports).

Table 9.41-- STATE GENERAL OBLIGATION BOND DEBT: 1990 TO 2000

[In thousands of dollars. As of June 30]

Year	Debt	Year	Debt
1990	2,026,100	1996	2,869,639
1991	2,274,846	1997	3,102,288
1992	2,328,546	1998	3,387,988
1993	2,767,691	1999	3,189,298
1994	2,872,488	2000	3,299,863
1995	2,934,965		

Source: Hawaii State Department of Accounting and General Services, *State of Hawaii, Comprehensive Annual Financial Report*, Schedule I-2, annual (fiscal years 1994-2000) and records.

Table 9.42-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2000

[For earlier years, see *Data Book 1987*, table 324]

Year	Government jobs (annual averages)				State civil service workers 1/	State retirement system members 2/
	All levels	Federal	Terr. or State	County		
1940	22,136	11,139	6,245	4,752	2,616	8,352
1945	78,846	66,248	7,231	5,367	3,772	12,662
1950	33,140	18,891	7,955	6,294	5,280	16,120
1960	49,510	27,010	14,620	7,880	6,790	24,092
1970	73,640	33,380	30,600	9,660	10,166	38,912
1980	89,050	30,000	45,150	13,900	17,327	48,868
1990	105,600	34,150	57,050	14,400	20,654	53,509
1992	111,100	33,250	62,600	15,250	22,920	57,401
1993	111,600	31,800	64,250	15,500	24,267	59,518
1994	111,850	31,250	65,000	15,600	24,716	61,082
1995	111,400	31,050	63,950	16,450	24,138	60,687
1996	110,550	31,100	62,800	16,600	23,338	59,275
1997	111,650	30,650	64,250	16,750	23,133	59,500
1998	112,200	30,400	64,950	16,850	23,627	60,447
1999	112,800	30,350	65,800	16,650	23,927	61,164
2000	114,600	30,950	66,950	16,700	3/ 21,380	62,207

1/ December 31 through 1960 and June 30 thereafter. State or Territorial workers in civil service system. Data exclude county employees, also covered by civil service.

2/ June 30 through 1960 and March 31 thereafter. Includes State or Territorial employees, county employees, and inactive members (those no longer employed by the State, Territory, or counties who have remained in the System), but excludes pensioners.

3/ Does not include Hawaii Health Systems Corp. (HHSC). HHSC is a separate personnel jurisdiction apart from the civil service historically reported with the Department of Health and, since December 1999, its workforce data are not available.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1978), pp. 616-617; *Data Book 1978*, p. 158; Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual); Hawaii State Department of Human Resources Development, records; *Employees' Retirement System of the State of Hawaii, Comprehensive Annual Report* (annual).

**Table 9.43--STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLLS,
BY FUNCTION: MARCH 2000**

[In number of jobs and hours and thousands of dollars]

Government Function	Employment				Payroll			Part-time hours paid (March)
	Full-time	Part-time	Full-time equiv.	Total March	Full-time employees	Part-time employees		
							Part-time employees	
Total	62,938	19,985	69,078	205,776	190,066	15,710	1,060,276	
Financial Administration	1,515	7	1,518	5	5	10	650	
Other Government Admin.	1,692	84	1,718	6	6	94	4,475	
Judicial and Legal	2,671	58	2,693	9	9	110	3,698	
Police Protection - Officers	2,788	-	2,788	11	11	-	-	
Police - Other	777	204	824	2,323	2,247	76	8,210	
Firefighters	1,580	-	1,580	5,685	5,685	-	-	
Fire - Other	79	-	79	235	235	-	-	
Correction	2,383	18	2,396	6,461	6,421	40	2,186	
Streets and Highways	1,721	1	1,721	4,972	4,972	0	34	
Airports	1,140	2	1,141	2,692	2,691	1	136	
Water Trans. & Terminals	216	-	216	571	571	-	-	
Welfare	908	2	909	2,536	2,534	2	152	
Health	2,992	32	3,010	8,868	8,808	60	3,168	
Hospitals	3,326	145	3,395	8,915	8,589	325	12,326	
Social Ins. Admin. (State)	319	48	353	907	838	69	5,990	
Solid Waste Management	554	1	555	1,647	1,646	2	120	
Sewerage	766	2	766	2,676	2,675	1	102	
Parks and Recreation	1,603	960	1,876	4,439	3,954	485	48,168	
Hous. & Comm. Dev. (Local)	252	66	285	786	744	43	5,904	
Natural Resources	1,234	362	1,391	4,398	3,959	439	27,485	
Water Supply	1,041	37	1,053	3,314	3,295	20	2,156	
Transit	43	-	43	102	102	-	-	

Continued on next page.

**Table 9.43--STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLLS,
BY FUNCTION: MARCH 2000 -- Con.**

Government Function	Employment			Payroll			Part-time hours paid (March)	
	Full-time	Part-time		Full-time equiv.	Total March	Full-time employees		Part-time employees
Elem. and Secondary Instruction	22,507	10,741		24,787	67,006	61,298	5,708	378,382
Other Total 1/	17,924	6,543		19,352	55,404	51,315	4,089	237,014
Elem & Sec Admin/Cler 1/	4,583	4,198		5,435	11,603	9,983	1,620	141,368
Elem & Sec Oper/Maint 1/	1,733	4,676,460		38	27	2	2	4,703,904
Elem & Sec Cafeteria 1/	1,331	2,390,874		2,040	805	79	2	3,195,800
Elem & Sec Health/Rec 1/	1,379	2,513,008		-	-	-	1	2,513,008
Elem & Sec Student 1/	81	308,580		219	473	22	0	781,482
Elem & Sec Unalloc 1/	-	-		466	61	10	0	60,754
Higher Educ. - Instructional	59	94,044		1,435	254	28	0	347,626
Higher Educ. - Other	1,991	1,359		2,403	12,533	10,566	1,967	72,858
Other Education (State)	3,536	5,415		6,128	17,931	11,968	5,964	458,736
Local Libraries	130	2		131	407	404	3	160
Other and Unallocable	496	231		551	1,343	1,210	134	9,122
	4,678	208		4,768	13,757	13,599	158	16,058

1/ Detail copied from the "State Government Employment and Payrolls, By Function March 2000" released July 25, 2001.
Source: U.S. Bureau of the Census, <<http://www.census.gov/govs/apes/00stfll.xls>>, released July 25, 2001.

Table 9.44--STATE GOVERNMENT EMPLOYMENT AND PAYROLLS, BY FUNCTION: MARCH 2000

[In number of jobs and hours and thousands of dollars]

Government Function	Employment			Payroll		Part-time hrs paid (March)
	Full-time	Part-time	Full-time equiv.	Total March	Full-time employ.		Part-time empl.
Total	49,090	18,660	54,832	158,645	143,644	990,077
Financial Administration	707	-	707	2,174	2,174	-
Other Government Admin.	561	28	570	1,920	1,883	1,549
Judicial and Legal	2,123	48	2,140	7,009	6,907	2,920
Correction	2,383	18	2,396	6,461	6,421	2,186
Streets and Highways	950	-	950	2,748	2,748	-
Airports	1,140	2	1,141	2,692	2,691	136
Water Trans. & Terminals	216	-	216	571	571	-
Welfare	810	-	810	2,284	2,284	-
Health	2,788	31	2,806	8,092	8,033	3,134
Hospitals	3,326	145	3,395	8,915	8,589	12,326
Social Ins. Admin. (State)	319	48	353	907	838	5,990
Parks and Recreation	145	158	193	432	344	8,516
Natural Resources	1,091	339	1,240	3,975	3,556	26,278
Elem. and Sec: Instruction	17,924	6,543	19,352	55,404	51,315	237,014
Elem. and Sec: Other Total	4,583	4,198	5,435	11,603	9,983	141,368
Admin/Cler	1,733	38	1,744	4,704	4,676	1,800
Oper/Maint	1,331	2,040	1,809	3,196	2,391	79,304
Cafeteria	1,379	-	1,379	2,513	2,513	-
Health/Rec	81	219	213	781	309	21,964
Student	-	466	61	61	-	10,124
Unalloc	59	1,435	229	348	94	28,176
Higher Educ. - Instructional	1,991	1,359	2,403	12,533	10,566	72,858
Higher Educ. - Other	3,536	5,415	6,128	17,931	11,968	458,736
Other Education (State)	130	2	131	407	404	160
Local Libraries	490	231	545	1,324	1,191	9,122
Other and Unallocable	3,877	95	3,921	11,263	11,177	7,784

Source: U.S. Bureau of the Census, <http://www.census.gov/govs/apcs/00stall.xls>, released July 25, 2001.

Table 9.45--LOCAL GOVERNMENT EMPLOYMENT AND PAYROLLS, BY FUNCTION: MARCH 2000

[In number of jobs and hours and thousands of dollars]

Government Function	Employment			Payroll			Part-time hrs paid (March)
	Full- time	Part- time	Full-time equiv.	Total March	Full-time employ.	Part-time empl.	
Total	13,848	1,325	14,246	47,131	46,422	708	70,199
Financial Administration	808	7	811	2,596	2,586	10	650
Other Government Admin.	1,131	56	1,148	4,166	4,109	57	2,926
Judicial and Legal	548	10	553	2,094	2,086	8	778
Police Protection - Officers	2,788	-	2,788	11,311	11,311	-	-
Police - Other	777	204	824	2,323	2,247	76	8,210
Firefighters	1,580	-	1,580	5,685	5,685	-	-
Fire - Other	79	-	79	235	235	-	-
Streets and Highways	771	1	771	2,224	2,224	0	34
Welfare	98	2	99	252	250	2	152
Health	204	1	204	776	775	0	34
Solid Waste Management	554	1	555	1,647	1,646	2	120
Sewerage	766	2	766	2,676	2,675	2	102
Parks and Recreation	1,458	802	1,683	4,007	3,609	398	39,652
Hous. & Comm. Dev. (Local)	252	66	285	786	744	43	5,904
Natural Resources	143	23	151	423	403	20	1,207
Water Supply	1,041	37	1,053	3,314	3,295	20	2,156
Transit	43	-	43	102	102	-	-
Local Libraries	6	-	6	19	19	-	-
Other and Unallocable	801	113	847	2,494	2,422	72	8,274

Source: U.S. Bureau of the Census, <<http://www.census.gov/govs/apes/00local.xls>>, released July 25, 2001.

**Table 9.46-- FULL-TIME EQUIVALENT CIVIL SERVICE AND EXEMPT
EMPLOYMENT, BY DEPARTMENT, IN THE HAWAII STATE EXECUTIVE BRANCH:
1997 TO 2000**

[As of December 31. In number of employees]

Department	1997	1998	1999	2000
Total 1/	43,239.136	43,505.538	44,131.992	42,357.580
Accounting & Gen. Services	992.500	990.500	997.500	983.000
Agriculture	356.750	345.000	324.000	322.250
Attorney General	555.975	555.000	576.276	594.801
Budget and Finance	382.500	313.000	308.000	299.000
Busi., Econ Dev & Tourism	260.990	607.000	585.125	579.000
Commerce & Consumer Aff.	409.200	412.100	402.500	372.000
Defense	245.675	228.000	228.900	228.400
Education	18,194.987	18,502.012	19,263.578	19,380.905
(EDN) Public Library System	2/	2/	2/	491.050
Governor	70.990	66.780	66.490	64.790
Hawaiian Home Lands	132.600	130.900	129.600	132.088
Health	6,199.700	6,104.300	5,877.750	3/ 3,205.450
Hawaii Health Systems Corp.	3/	3/	3/	3/
Human Resources Devel.	125.000	119.000	117.000	116.000
Human Services	2,229.475	1,943.450	1,947.450	2,010.425
Labor & Industrial Relations	753.575	747.220	749.270	741.579
Land & Natural Resources	730.390	723.870	733.370	738.470
Lieutenant Governor	38.495	44.995	26.710	40.920
Public Safety	2,079.975	2,116.500	2,220.500	2,344.830
Taxation	361.500	337.000	331.500	339.000
Transportation	2,330.950	2,409.750	2,447.250	2,458.500
University of Hawaii	6,787.909	6,809.161	6,799.223	6,915.122

1/ Employee is defined as a person holding a position, civil service or exempt from civil service; permanently or temporarily; on a full-time or part-time basis; and paid regularly either hourly or salaried. For this report, emergency hires are included. Full-time equivalency (FTE) means that one FTE indicates a 40-hour workweek, so two part-time employees, each working 20-hour week are 1.000 FTE.

2/ Data on the number of employees of the Hawaii State Public Libraries System, a Division of the Department of Education, are reported separately from the DOE beginning in 2000.

3/ Effective November 11, 1999, the Hawaii Health Systems Corp. (HHSC) became a separate personnel jurisdiction apart from the civil service historically reported with the Department of Health. HHSC has not yet completed automation of its personnel and is unable to provide Department of Human Resource Development with quarterly workforce data. Until HHSC data are available, DHRD will continue to report HHSC employee and FTE counts (3,039, 2,924.315, respectively) "frozen" as of the last count in December, 1999.

Source: Department of Human Resource Development "Composition of Executive Branch Workforce", quarterly.

Table 9.47 -- EMPLOYMENT, BY TYPE, IN THE HAWAII STATE EXECUTIVE BRANCH: DECEMBER 31, 2000

Department	Civil Service and Exempt							Paid casual employees 2/
	Employees 1/	Full time	Part time	Full-time equivalent (FTE)	FTE change since Dec. 31, 1994	FTE % change since Dec. 31, 1994		
Total	44,875	39,977	4,898	42,357.580	-171.905	-0.4	18,517	
Accounting & General Services	987	979	8	983.000	73.000	8.0	441	
Agriculture	331	318	13	322.250	-132.500	-29.1	0	
Attorney General	598	591	7	594.801	36.339	6.5	13	
Budget and Finance	301	297	4	299.000	-412.500	-58.0	6	
Business, Econ Dev. & Tourism	580	578	2	579.000	261.750	82.5	27	
Commerce & Consumer Affairs	372	372	0	372.000	-67.250	-15.3	8	
Defense	230	227	3	228.400	-19.700	-7.9	0	
Education	20,506	18,105	2,401	19,380.905	2,121.980	12.3	12,735	
(EDN) Public Library System 3/	511	471	40	491.050	-96.450	-16.4	202	
Governor	66	63	3	64.790	-160.822	-70.5	0	
Hawaiian Home Lands	133	131	2	132.088	-5.912	-4.3	6	
Health 4/	3,262	3,157	105	3,205.450	-257.390	-7.4	18	
Hawaii Health Systems Corp.	4/	4/	4/	4/	4/	4/	4/	
Human Resources Dev.	116	116	0	116.000	-50.050	-30.1	1	
Human Services	2,015	2,006	9	2,010.425	-380.550	-15.9	45	
Labor and Industrial Relations	762	721	41	741.579	-188.656	-20.3	108	
Land and Natural Resources	743	733	10	738.470	-68.100	-8.4	10	
Lieutenant Governor	48	34	14	40.920	-26.580	-39.4	0	
Public Safety	2,351	2,338	13	2,344.830	126.780	5.7	2	
Taxation	339	339	0	339.000	-70.750	-17.3	0	
Transportation	2,464	2,450	14	2,458.500	31.000	1.3	57	
University of Hawaii	8,160	5,951	2,209	6,915.122	-885.544	-11.4	4,838	

1/ Employee is defined as a person holding a position, civil service or exempt from civil service; permanently or temporarily; on a full-time or part-time basis; and paid regularly either hourly or salaried. For this report, emergency hires are included.

2/ A paid casual employee is defined as a person employed temporarily, intermittent or on-call, full-time or part-time, such as event workers at Aloha Stadium, classroom cleaners, adult supervisors, substitutes in the public schools, students, etc. and on the payroll as of above date.

3/ Data on the number of employees of the Hawaii State Public Libraries System, a Division of the Department of Education, are reported separately from the DOE beginning in 2000.

4/ Effective November 11, 1999, the Hawaii Health Systems Corp. (HHSC) became a separate personnel jurisdiction apart from the civil service historically reported with the Department of Health. HHSC has not yet completed automation of its personnel and is unable to provide Department of Human Resource Development with quarterly workforce data. Until HHSC data are available, DHRD will continue to report HHSC employee and FTE counts (3,039; and 2,924.315, respectively) "frozen" as of the last count in December, 1999.

Source: Department of Human Resource Development "Composition of Executive Branch Workforce", quarterly.

Table 9.48-- PUBLIC EMPLOYEES INCLUDED IN COLLECTIVE BARGAINING UNITS: 2000

[As of December 31, 2000, unless otherwise indicated]

Bar-gain-ing unit	Union	Job category	Total	State	City &	County	County	County	Dept.	Judici-	Univer-	HHSC
				of Hawaii 1/	County of Honolulu	of Hawaii	of Maui	of Kauai	of Educ.	ary	sity of Hawaii	1/
		Total	56,426	22,052	7,945	1,852	1,670	881	13,276	1,445	4,539	2,766
1	UPW	Blue-collar nonsupervisors	9,317	5,607	1,939	447	484	320	-	55	-	465
2	HGEA	Blue-collar supervisors	864	490	243	45	39	16	-	2	-	29
3	HGEA	White-collar nonsupervisors	12,599	8,476	1,661	510	467	198	-	841	-	446
4	UPW	White-collar supervisors	608	331	144	30	26	13	-	57	-	7
5	HSTA	Hawaii State Teachers Assn	12,559	-	-	-	-	-	12,559	-	-	-
6	HGEA	Educational officers	717	-	-	-	-	-	717	-	-	-
7	UHPA	University of Hawaii faculty	3,184	-	-	-	-	-	-	-	3,184	-
8	HGEA	Admin. & prof. technicians	1,355	-	-	-	-	-	-	-	1,355	-
9	HGEA	Registered prof. nurses	1,216	425	-	-	-	-	-	1	-	790
10	UPW	Institutional health & corrections workers	2,687	1,666	166	-	-	-	-	34	-	821
11	HFFA	Firefighters	1,722	156	968	266	220	112	-	-	-	-
12	SHOPO	Police officers	2,610	-	1,850	360	275	125	-	-	-	-
13	HGEA	Prof. & scientific workers	6,988	4,901	974	194	159	97	-	455	-	208

1/ The Hawaii Health Systems Corporation (HHSC) provided the bargaining unit statistics for employees within its jurisdiction to HLRB. These figures were previously included in the State of Hawaii totals.

Source: State of Hawaii Labor Relations Board, *HLRB Informational Bulletin* No. 39, March 2, 2001.

**Table 9.49-- SALARIES OF SELECTED GOVERNMENT OFFICIALS:
1996 TO 2001**

[Annual rates, in dollars, as of January 1]

Government official	1996	1997	1998	1999	2000	2001
Governor	94,780	94,780	94,780	94,780	94,780	94,780
Lieutenant Governor	90,041	90,041	90,041	90,041	90,041	90,041
Mayor, Honolulu 1/	100,000	100,000	102,000	102,000	110,000	110,000
Mayor, Hawaii 2/	78,564	78,564	78,564	78,564	78,564	78,564
Mayor, Maui	87,098	87,098	87,098	87,098	89,712	89,712
Mayor, Kauai 3/	73,118	73,118	73,118	73,118	73,118	73,118
Chief Justice, Supreme Court 4/	94,780	94,780	94,780	94,780	116,779	116,779
Assoc. Justice, Supreme Court 4/	93,780	93,780	93,780	93,780	115,547	115,547
President, University of Hawaii 5/	156,060	156,060	156,060	167,184	167,184	167,184

1/ July 1, 1997, increased from \$100,000 to \$102,000, and to \$110,000 effective July 1, 2000. An increase of 2 percent to \$112,200 became effective July 1, 2001.

2/ July 1, 1993, increased from \$76,848 to \$78,564.

3/ Data for 1997 to 1999 corrected. The Salary Commission recommended an increase from \$73,118 to \$76,408 effective July 1, 1996, but this was not approved.

4/ On February 16, 2000, Governor Benjamin J. Cayetano signed a bill that rectifies a measure passed by the 1999 Legislature of 4 percent over two years. The increase is retroactive to July 1, 1999.

5/ For 1996-2000, reported salary for Kenneth J. Mortimer under the contract due to expire June 30, 2003. Contract reportedly includes use of residence at College Hill and of a car. Contract and salary specifics were not confirmed by the Board of Regents. Salary for Evan S. Dobbelle of \$442,000 is effective July 2, 2001. The contract runs to June 30, 2008

Source: *HRS, 1992 Supplement, Vol. I, Section 26-51*; Salary Commission of the City and County of Honolulu, *Final Report and Salary Schedule*; Hawaii, Maui, and Kauai County ordinances; Hawaii State Department of Business, Economic Development & Tourism telephone surveys; newspaper articles; for 1996: *Pacific Business News*, July 1 (p. 34), 8 (p. 33), and 22 (p. 45), 1996. For 1997: *Pacific Business News 1998 Book of Lists*, "Highest Paid Public Officials, Part I", (originally published July 7, 1997), p. 25; "Part II", (originally published July 14, 1997), p. 26; and "Part III", (originally published July 21, 1997), p. 27.

Section 10

NATIONAL DEFENSE

This section presents statistics relating to the armed forces and their dependents, national guard expenditures and strength, civilian employment in national defense, veterans, land controlled by the U.S. Department of Defense (DOD), military housing, and expenditures by the armed forces. Additional information appears in sections 1, 2, 9, 12, and 23.

The Hawaii State Department of Business, Economic Development & Tourism (DBEDT) has compiled periodic reports on military personnel and dependents since 1959. Other published sources include reports of the DOD, U.S. Census Bureau, U.S. Department of Veterans Affairs, the Hawaii State Department of Labor and Industrial Relations and the Hawaii State Department of Defense. Definitions used by these sources differ to some degree, and care is necessary in comparing data issued by two or more agencies. *Historical Statistics of Hawaii*, Section 26, includes series on the armed forces dating back to 1795. Section 11 of the *Statistical Abstract of the United States: 2000* presents data on national defense and veterans affairs for other states and the U.S. as a whole.

Table 10.01-- HAWAII RESIDENTS ON ACTIVE DUTY WITH THE U.S. ARMED FORCES WORLDWIDE: 1950 TO 1995

[As of June 30, unless otherwise specified. 1950-1979 based on pre-service residence; 1980-1995, on home of record]

Year	Number	Year	Number	Year	Number
1950	7,699	1966	15,875	1981	11,927
1951	10,958	1967	18,048	1982	11,926
1952	16,594	1968	22,433	1983	11,641
1953	16,217	1969	15,856	1984	11,466
1954	16,189	1970	15,331	1985	10,827
1955	15,175	1971	13,600	1986	10,882
1956	15,243	1972	11,600	1987	10,896
1957	14,687	1973	10,200	1988	10,548
1958	13,310	1974	10,810	1989 2/	10,501
1959	12,596	1975	10,640	1990	10,052
1960 1/	12,662	1976	10,600	1991	10,076
1961	11,340	1977	10,640	1992	8,432
1962	13,464	1978	10,715	1993	7,621
1963	14,944	1979 1/	11,069	1994	5,098
1964	15,000	1980	11,851	1995 3/	4,237
1965	15,109				

1/ As of March 31 or April 1.

2/ U.S. military personnel stationed abroad as of December 31, 1989 included 3,782 whose home of record was Hawaii and 5,049 whose last duty station was Hawaii (data from U.S. Bureau of the Census, Press Clippings, CB90-28, July 23, 1990).

3/ For 1995, Defense Manpower Data Center does not include home-of-record for U.S. Air Force.

Source: 1950-1969 estimates by U.S. Bureau of the Census, in Hawaii State Department of Planning and Economic Development, *Military Personnel and Dependents in Hawaii, July 1977* (Statistical Report 120, September 9, 1977), table 5; 1970-1995 from U.S. Department of Defense, Defense Manpower Data Center, records.

**Table 10.02-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES:
1980 TO 2000**

[Includes Navy, Marine Corps, and Coast Guard personnel afloat on a homeported basis. Data differ from similar series compiled by the Bureau of the Census and Department of Defense]

Date	Personnel and dependents	Military personnel 1/			Dependents in Hawaii	Military families
		Total	Ashore	Aboard ship		
1980: April 1	125,042	61,019	48,813	12,206	64,023	26,129
1981: July 1	125,865	61,521	46,255	15,266	64,344	25,893
1982: July 1	127,816	61,107	54,184	6,923	66,709	26,009
1983: July 1	125,273	59,021	53,755	5,266	66,252	26,791
1984: July 1	127,887	60,804	56,321	4,483	67,083	31,415
1985: July 1	122,286	58,005	53,848	4,157	64,281	29,997
1986: July 1	124,794	58,584	53,616	4,968	66,210	29,481
1987: July 1	125,127	60,277	56,322	3,955	64,850	32,038
1988: July 1	133,958	64,053	60,621	3,432	69,905	34,535
1989: July 1	116,644	56,370	53,263	3,107	60,274	31,652
1990: April 1	113,833	53,898	50,681	3,217	59,935	30,934
1991: July 1	117,141	53,813	51,197	2,616	63,328	28,655
1992: July 1	109,959	52,965	50,206	2,759	56,994	23,751
1993: July 1 2/	107,603	45,437	44,152	1,285	62,166	25,952
1994: July 1	98,531	44,193	42,790	1,403	54,338	27,478
1995: July 1 2/	92,490	45,971	43,839	2,132	46,519	21,700
1996: July 1	98,356	43,019	40,457	2,562	55,337	24,667
1997: July 1 2/	97,344	41,769	38,884	2,885	55,575	22,996
1998: July 1 2/	101,311	40,773	37,761	3,012	60,538	24,965
1999: July 1 2/	78,812	34,462	34,301	5,926	44,350	25,678
2000: April 1 2/	78,346	35,813	35,883	6,394	42,533	23,034

1/ Beginning in 1982, ship crews living ashore are included with the total ashore.

2/ Data partly estimated.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers.

**Table 10.03-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES,
BY SERVICE AND ISLAND: JULY 1, 1999 AND APRIL 1, 2000**

[Includes Navy, Marine Corps, and Coast Guard personnel afloat on a homeported basis. Data differ somewhat from similar series compiled by the Bureau of the Census and Department of Defense]

Island and service	Personnel and dependents	Military personnel				Living aboard ship	Dependents in Hawaii	Military families
		Ashore and afloat	Living ashore					
			In hsg. units	In barracks				
1999								
State total	78,812	34,462	22,726	11,575	5,926	44,350	25,678	
By island:								
Oahu	78,383	34,288	22,597	11,536	5,920	44,095	25,567	
Hawaii	102	42	31	5	6	60	23	
Maui	65	26	22	4	-	39	13	
Kauai	262	106	76	30	-	156	75	
By service:								
Air Force: 1/	10,318	3,866	3,129	737	-	6,452	2,814	
Army: 2/	30,715	15,790	11,191	4,599	-	14,925	9,667	
Coast Guard:	2,786	1,255	1,060	91	104	1,531	781	
Marine Corps: 3/	11,927	6,213	2,577	3,636	-	5,714	2,722	
Navy: 3/	23,066	4/ 7,338	4,769	2,512	5,822	15,728	9,694	
2000								
State total	78,346	35,813	23,241	12,642	6,394	42,533	23,034	
By island:								
Oahu	77,918	35,637	23,109	12,598	6,394	42,281	22,922	
Hawaii	104	44	33	11	-	60	24	
Maui	63	25	22	3	-	38	14	
Kauai	261	107	77	30	-	154	74	
By service:								
Air Force: 1/	10,835	4,492	3,708	784	-	6,343	2,745	
Army: 2/	29,743	15,474	10,829	4,645	-	14,269	9,455	
Coast Guard: 1/	2,491	1,091	891	96	104	1,400	610	
Marine Corps: 1/	12,117	7,115	3,106	4,009	-	5,002	2,287	
Navy: 1/	23,160	3/ 7,641	4,707	3,108	6,290	15,519	7,937	

1/ Estimated.

2/ Estimated. Also, no new information was available for the island of Hawaii so the 1998 figures were used as an estimate.

3/ The total number of navy military personnel does not sum to the total of personnel living in housing units, in barracks and aboard ship since navy personnel assigned to ships on a specified date may also have another place to live elsewhere in Hawaii. Therefore, they may be counted more than once in type of residence.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers.

**Table 10.04-- DEPARTMENT OF DEFENSE PERSONNEL
AND DEPENDENTS: 1989 TO 2000**

[As of September 30. Includes personnel performing Civil Functions, primarily those associated with the Army Corps of Engineers. Excludes Coast Guard]

Year	Total	Active-duty shore-based military personnel 1/	Dependents of active-duty military personnel 2/	Direct-hire civilian personnel
1989	120,905	45,935	54,724	20,246
1990	113,471	41,887	51,727	19,857
1991	113,076	44,092	50,006	18,978
1992	110,428	44,864	47,671	17,893
1993	105,911	42,958	45,612	17,341
1994	99,188	42,161	39,989	17,038
1995	114,139	38,172	58,788	17,179
1996	111,002	36,392	57,786	16,824
1997	109,762	34,826	57,720	17,216
1998	104,018	34,643	52,643	16,732
1999	100,084	32,708	51,063	16,313
2000	100,826	33,930	50,804	16,092

1/ Excludes Navy personnel afloat or temporary shore-based, e.g., 5,600 in 1995.

2/ Includes dependents of Hawaii residents stationed out of the State, if those dependents remained in Hawaii.

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information, Operations and Reports, *Department of Defense Selected Manpower Statistics* (annual), and at <<http://web1.whs.osd.mil/diorhome.htm>> and at <<http://web1.whs.osd.mil/mmids/mo1/fy96>>; for 1997 <<http://web1.whs.osd.mil/mmids/m02/97city.htm>>, June 8, 1998. For 1998: *Worldwide Manpower Distribution by Geographical Area, September 30, 1998* (p. 1) and <<http://web1.whs.osd.mil/mmids/m05sep98.pdf>>. For 1999: *Worldwide Manpower Distribution by Geographical Area, September 30, 1999* (p. 1) and <<http://web1.whs.osd.mil/mmids/m05sep99.pdf>>. For 2000: *Worldwide Manpower Distribution by Geographical Area, September 30, 2000* (p. 1) and <<http://web1.whs.osd.mil/mmids/m05sep00.pdf>> accessed June 1, 2001.

**Table 10.05-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2000**

[In persons and \$1,000's. For fiscal year ended September 30]

Personnel or expenditure	Total	Army	Navy & Marine Corps	Air Force	Other Defense Activities
Total personnel	69,737	27,200	30,464	9,744	2,329
Active Duty Military	40,406	15,483	20,434	4,489	-
Civilian	17,873	4,471	8,999	2,074	2,329
Reserve & National Guard	11,458	7,246	1,031	3,181	-
<hr/>					
Total expenditures	3,731,333	1,095,779	1,890,572	535,041	209,941
Payroll Outlays - Total	2,536,830	845,078	1,263,607	354,382	73,763
Active duty military	1,324,083	517,869	646,027	160,187	-
Civilian	898,767	209,506	516,615	98,883	73,763
Reserve & National Guard	54,831	28,616	2,898	23,317	-
Retired military	259,149	89,087	98,067	71,995	-
Contracts over \$25,000 - Total	1,159,581	243,813	618,071	168,588	129,109
Supply & equipment	159,479	20,933	18,573	6,726	113,247
RDT & E	54,837	8,299	34,976	11,562	-
Service	715,981	190,195	413,608	96,316	15,862
Construction	228,056	23,158	150,914	53,984	-
Civil function	1,228	1,228	-	-	-
Grants	34,922	6,888	8,894	12,071	7,069
<hr/>					
Prime Contracts over \$25,000					
1994	803,297	263,183	425,997	68,291	45,826
1995	673,640	227,674	308,584	84,201	53,181
1996	928,480	223,284	519,812	106,940	78,444
1997	957,354	248,629	533,038	93,845	81,842
1998	889,608	234,446	456,876	99,964	98,322
1999	984,848	231,622	569,599	92,311	91,316
2000	1,159,581	243,813	618,071	168,588	129,109

Continued on next page.

**Table 10.05-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2000-- Con.**

Major locations of expenditures	Total	Payroll outlays	Grants or contracts
Pearl Harbor	1,240,163	802,618	437,545
Schofield Barracks	490,465	404,217	86,248
Hickam AFB	336,835	239,349	97,486
Kaneohe	334,928	189,209	145,719
Honolulu	253,395	203,237	50,158
Fort Shafter	130,470	116,021	14,449
Tripler Army Medical Center	127,954	99,780	28,174
Pearl City	106,676	20,494	86,182
Wheeler AFB/Army Field	80,684	73,982	6,702
Kekaha	51,092	1,882	49,210

Major locations of personnel	Total military & civilian	Active duty military	Civilian
Pearl Harbor	12,203	6,178	6,025
Schofield Barracks	11,821	10,785	1,036
Kaneohe	7,013	6,378	635
Hickam AFB	5,646	3,679	1,967
Tripler Army Medical Center	2,733	1,292	1,441
Fort Shafter	2,267	963	1,304
Honolulu	2,149	287	1,862
Wheeler AFB/Army Field	1,752	1,169	583
Kunia	1,590	1,517	73
Camp H.M. Smith	939	822	117

Top Ten Contractors receiving the largest dollar volume of prime contract awards

Contractor Name	Amount	Contractor Name	Amount
1. Tesoro Petroleum Corporation	87,114	6. IIT Industries, Inc.	40,414
2. NAN, Inc.	67,078	7. Hawaiian Electric Industries, Inc.	25,249
3. Hunt Building Corporation	56,431	8. General Dynamics Corporation	25,175
4. Jordan, C.F. LP	49,990	9. Niking Corporation	24,564
5. Parsons - UXB Joint Venture	48,886	10. Healy Tibbitts Builders, Inc.	23,074

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, Atlas/Data Abstract for the United States and Selected Areas (annual) and <<http://web1.whs.osd.mil/mmids/I03/fy00/00top.htm>> accessed August 9, 2001.

Table 10.06-- DEPARTMENT OF DEFENSE PERSONNEL AND MILITARY FAMILY MEMBERS, BY SERVICE: SEPTEMBER 30, 1999 AND 2000

[As of September 30. Includes personnel performing Civil Functions, primarily those associated with the Army Corps of Engineers. Excludes Coast Guard]

Category	All services	Army	Navy	Air Force	Marine Corps	Other DOD
1999						
Total	100,084	42,749	32,311	12,759	11,135	1,130
Total military and family members	83,771	38,456	23,447	10,733	11,135	(NA)
Military personnel 1/	32,708	14,692	7,397	4,483	6,136	(NA)
Family members 2/	51,063	23,764	16,050	6,250	4,999	(NA)
Command-sponsored	48,344	23,764	14,753	6,164	3,663	(NA)
Non-command-sponsored	2,719	-	1,297	86	1,336	(NA)
Direct-hire civilians 3/	16,313	4,293	8,864	2,026	3/	1,130
2000						
Total	100,826	44,397	31,826	12,679	10,812	1,112
Total military and family members	84,734	40,108	23,157	10,657	10,812	(NA)
Military personnel 1/	33,930	15,483	7,998	4,489	5,960	(NA)
Family members 2/	50,804	24,625	15,159	6,168	4,852	(NA)
Command-sponsored	48,508	24,625	14,040	6,070	3,773	(NA)
Non-command-sponsored	2,296	-	1,119	98	1,079	(NA)
Direct-hire civilians 3/	16,092	4,289	8,669	2,022	3/	1,112

NA Not available.

1/ Active duty. Data exclude personnel afloat or temporary shore-based.

2/ Dependents of active-duty military personnel. Command-sponsorship depends upon whether the family member resides with the member at the duty station, whether the accompanied tour is authorized and meets criteria for funded travel and station allowance.

3/ All civilians are U.S. citizens and Direct-hires. Source data includes Marine Corps with Navy.

Source: U.S. Office of the Secretary of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Worldwide Manpower Distribution by Geographical Area, September 30, 1999* (pp. 1, 8, 18, 20, 22, 24, 28, 32, 36, 40, and 44-45) and <<http://web1.whs.osd.mil/mmid/m05sep99.pdf>> and *Worldwide Manpower Distribution by Geographical Area, September 30, 2000* ; (pp. 1, 8, 15, 18, 21, 23, 25, and 28-29) nd <<http://web1.whs.osd.mil/mmid/m05sep00.pdf>> accessed June 1, 2001.

Table 10.07-- FEDERAL DEFENSE EXPENDITURES ON HAWAII GROSS STATE PRODUCT AND EMPLOYMENT: 1985 TO 2000

[In millions of dollars unless otherwise indicated]

Year	Gross State Product (GSP) 1/	Federal Defense				
		Expenditures			Employment	
		Total	Percent change from year previous	As percent of GSP 1/ 2/	Civilian jobs	Armed forces 3/
1985	18,664.2	3,111.6	17.3	14.7	20,750	56,383
1986	19,850.0	3,098.6	-0.4	13.8	20,400	58,122
1987	21,563.1	3,077.6	-0.7	12.6	20,100	58,122
1988	23,916.6	3,188.4	3.6	11.8	20,200	56,815
1989	26,447.0	3,295.9	3.4	11.0	20,100	56,360
1990	29,091.2	3,346.2	1.5	10.2	19,350	55,222
1991	30,730.0	3,648.2	9.0	10.5	18,850	54,738
1992	32,505.2	3,837.4	5.2	10.4	18,100	55,099
1993	33,532.1	3,759.6	-2.0	9.9	17,450	52,674
1994	34,354.6	3,876.8	3.1	10.0	16,850	52,845
1995	34,526.4	3,782.4	-2.4	9.7	16,750	50,729
1996	34,893.6	3,883.6	2.7	9.8	16,800	47,986
1997	35,797.9	4,070.3	4.8	10.1	16,300	44,542
1998	36,465.4	4,101.8	0.8	9.9	16,050	44,984
1999	37,395.1	4,172.6	1.7	9.9	15,750	41,361
2000	39,394.3	4,386.3	5.1	9.8	15,550	40,796

1/ Data for 1997 through 1999 have been revised and data for 2000 are preliminary.

2/ Expenditures adjusted for imports before dividing by Gross State Product (GSP).

3/ These figures are the estimates developed by the U.S. Bureau of the Census for use in population estimation. See table 1.03 for historical data.

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

**Table 10.08-- FEDERAL EXPENDITURES FOR ARMY AND AIR
NATIONAL GUARD FOR HAWAII: 1999 AND 2000**

[In dollars. Fiscal year ended September 30]

Category	1999		2000	
	Army	Air	Army	Air
Total Federal support for National Guard in Hawaii	70,991,712	127,321,884	81,210,072	104,966,605
Total Funds allotted by National Guard to Hawaii				
National Guard Personnel Appropriation	14,644,570	1,563,315	18,138,226	2,130,902
Military pay, transportation, and subsistence	13,863,825	1,200,902	17,360,719	1,200,902
Military uniform	452,392	199,368	453,698	736,400
Subsistence	328,353	163,045	323,809	193,600
Oper. and maint., military constr. approp. - Army				
Civilian pay	15,899,651	41,090,545	17,324,101	43,978,400
Transportation and travel	4,319,055	1,328,988	780,626	774,500
Personnel	329,621	1,277,173	385,794	651,100
Equipment and supplies	3,989,434	51,815	394,832	123,400
Equipment, supplies and service	9,533,014	42,818,938	11,349,519	31,120,000
Organizational equipment	1,105,660	602,547	1,210,986	168,800
Petroleum, oils and lubricants	539,377	(NA)	318,947	(NA)
Repair parts and services	3,760,807	(NA)	3,012,442	(NA)
Other operating supplies and services	4,127,170	(NA)	6,807,144	(NA)
Supplies	(NA)	4,302,743	(NA)	2,584,500
Depot level repairables	(NA)	22,822,651	(NA)	20,970,400
Aviation fuel	(NA)	-	(NA)	-
Other operating supplies and services	(NA)	1,851,714	(NA)	5,250,000
Construction repairs	(NA)	13,239,283	(NA)	2,146,300
Major construction	(NA)	10,895,657	(NA)	577,700
Major construction/major repairs	(NA)	801,714	(NA)	81,300
Operations and maintenance agreements	(NA)	1,541,912	(NA)	1,487,300
Construction, repairs, and utilities	11,272,115	(NA)	20,948,034	(NA)
Armory construction	-	(NA)	16,763,000	(NA)
Architectural and engineering services	2,554,857	(NA)	197,174	(NA)
Non-armory construction	6,407,740	(NA)	1,201,560	(NA)
Maintenance, repairs, and minor construction	1,874,918	(NA)	1,948,300	(NA)
Utilities	434,600	(NA)	838,000	(NA)
Oper. & maint. Def. Approp.-Army Youth ChalleNGe	1,896,667	(NA)	1,938,546	(NA)
Total Funded directly by National Guard Bureau	17,781,426	20,260,049	10,731,020	27,091,705
Army drill pay	7,009,256	(NA)	(NA)	(NA)
AGR pay	10,772,170	(NA)	10,731,020	(NA)
Annual training pay	(NA)	2,790,160	(NA)	3,833,721
Other active duty pay	(NA)	2,439,169	(NA)	4,597,149
Inactive duty training pay	(NA)	6,941,830	(NA)	9,557,500
Basic training pay	(NA)	841,498	(NA)	1,092,563
Active Guard Reserve pay	(NA)	7,247,394	(NA)	8,113,772

NA Not available.

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 1999*, p. 49 and *2000*, p. 40.

Table 10.09-- NATIONAL GUARD STRENGTH: 1980 TO 2000

[Strength as of September 30]

Year	Actual strength			Authorized strength		
	Total	Army National Guard	Air National Guard	Total	Army National Guard	Air National Guard
1980	5,378	3,468	1,910	6,090	4,053	2,037
1981	5,338	3,395	1,943	6,216	4,181	2,035
1982	5,720	3,698	2,022	6,238	4,201	2,037
1983	5,799	3,768	2,031	6,127	4,012	2,115
1984	5,866	3,793	2,073	6,207	3,992	2,215
1985	6,096	3,869	2,227	6,227	4,005	2,222
1986	5,882	3,685	2,197	6,250	4,016	2,234
1987	5,848	3,654	2,194	6,517	4,237	2,280
1988	5,832	3,658	2,174	6,461	4,160	2,301
1989	5,810	3,641	2,169	6,505	4,154	2,351
1990	5,702	3,579	2,123	6,469	4,237	2,232
1991	5,635	3,547	2,088	6,473	4,252	2,221
1992	5,665	3,500	2,165	6,480	4,258	2,222
1993	5,689	3,430	2,259	6,490	4,056	2,434
1994	5,689	3,430	2,259	6,490	4,056	2,434
1995	6,078	3,744	2,334	7,061	4,462	2,599
1996	5,381	2,995	2,386	6,025	3,564	2,461
1997	5,511	3,120	2,391	6,047	3,543	2,504
1998	5,475	3,053	2,422	6,047	3,543	2,504
1999	5,475	3,053	2,422	6,047	3,543	2,504
2000 1/	5,415	3,010	2,405	(NA)	(NA)	(NA)

NA Not available.

1/ Personnel strength is for "assigned".

Source: Hawaii State Department of Defense, *Annual Report Fiscal Year* (annual).

**Table 10.10-- CIVILIAN EMPLOYMENT IN THE AIR FORCE, ARMY,
AND NAVY: ANNUAL AVERAGES, 1990 TO 2000**

Year	Total	Air Force	Army	Navy
1990	19,350	2,300	5,600	11,450
1991	18,850	2,250	5,400	11,200
1992	18,100	2,200	4,800	11,100
1993	17,450	2,150	4,600	10,700
1994	16,850	2,000	4,600	10,250
1995	16,750	2,100	4,450	10,200
1996	16,800	2,100	4,850	9,850
1997	16,300	2,050	5,000	9,250
1998	16,050	2,050	4,900	9,100
1999	15,750	2,050	4,700	9,000
2000	15,550	2,100	4,700	8,750

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book*, May 1997, p. 11; <<http://www.state.hi.us/dlir/loihi/LFR/cst1998b.txt>>; <http://www.state.hi.us/dlir/rs/loihi/LFR/CESST00S.PDF> ; accessed June 13, 2001 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.11-- MILITARY ACCESSIONS IN HAWAII, BY BRANCH OF SERVICE:
1978 TO 1997**

[In fiscal year October 1 to September 30. Includes prior service accessions]

Year	Total accessions	Army	Navy	Air Force	Marine Corps
1978	1,751	748	336	520	147
1979	1,648	660	334	482	172
1980	1,518	712	317	364	125
1981	1,451	603	317	427	104
1982	1,183	550	195	363	75
1983	1,098	563	154	313	68
1984	1,296	644	243	308	101
1985	1,268	597	250	349	72
1986	1,341	554	305	387	95
1987	1,125	497	272	268	88
1988	907	397	246	180	84
1989	833	387	201	145	100
1990	578	220	186	108	64
1991	455	158	126	110	61
1992	421	124	121	123	53
1993	394	137	113	114	30
1994	338	124	80	93	41
1995	347	135	112	78	22
1996	516	198	108	154	56
1997	733	293	146	224	70

Source: U.S. Department of Defense, Defense Manpower Data Center (DMDC), DMDC Data Archive Request <<http://www.dmdc.osd.mil/ids/archive/accession.html>>, accessed August 3, 1999.

Table 10.12-- SELECTIVE SERVICE REGISTRATION IN THE UNITED STATES AND HAWAII : 1996 TO 2000

[Rank is among the 50 states. Rank of 1 has the highest percentage of eligible men registered]

Area	United States	Hawaii
1996		
Draft eligible registrants, born 1971-1976	10,155,392	36,364
Born 1977-78	2,424,160	6,996
Born 1971-78	12,579,552	43,360
1997		
Draft eligible registrants, born 1972-1977	9,913,543	35,490
Born 1978-79	2,209,323	8,285
Born 1972-79	12,122,866	43,775
1998		
Draft eligible registrants, born 1973-1978	9,858,468	36,553
Born 1979-1980	2,496,920	9,819
Born 1973-1980	12,355,388	46,372
1999 1/		
Draft eligible registrants, born 1974-1979	9,930,331	36,707
Born 1980-81	2,563,331	9,060
Born 1974-81	12,419,725	45,767
Average Percent registered 2/	88	73
Rank	...	50
2000 3/		
Draft eligible registrants, born 1975-1980 4/	10,168,830	39,002
Born 1981-82 4/	2,725,439	10,787
Born 1975-82 4/	12,894,269	49,789
Average percent registered 1/	87	75
Rank	...	49

1/ Percentage of eligible young men born in 1980 registered through calendar year.

2/ Hawaii is not among the 26 states that have enacted legislation supporting registration.

3/ Percentage of eligible young men born in 1981 registered through calendar year.

4/ Unpublished source correction to "born" range.

Source: Selective Service System, *Annual Report to Congress for the Fiscal Year* (annual), and <http://www.sss.gov/public.html> and <http://www.sss.gov/newsconf17may/main.html> accessed May 19, 2000 and Selective Service System, 2nd Annual State-by-State Registration Compliance News Conference, May 22, 2001, "Selective Service Reports First Increase in Registration Following Years

**Table 10.13-- MILITARY PRIME CONTRACT AWARDS, BY PROGRAM:
1995 TO 2000**

[In thousands of dollars. Fiscal years ended September 30.
Net value of Department of Defense prime contracts over \$25,000]

Procurement program 1/	1995	1996	1997	1998	1999	2000
Total	673,640	928,480	957,353	889,607	984,848	1,159,586
Airframes and spares	-	39	581	877	-	19,267
Aircraft engines and spares	-	89	-	-	-	-
Other aircraft equipment	34	67	-	831	-	925
Missile and space systems	20,452	6,088	9,694	7,843	6,901	1,778
Ships	23,789	18,140	18,394	7,692	24,880	30,248
Non-combat vehicles	-	-	-	41	28	55
Ammunition	-	-	-	85	-	-
Electronics and communication equip.	26,485	30,838	36,222	38,840	38,342	30,401
Petroleum	34,574	33,633	47,883	44,523	42,129	88,255
Other fuels and lubricants	-	-	-	-	-	696
Containers and hauling equipment	1,039	-	-	-	-	-
Textiles, clothing, and equipage	75	124	-	-	-	138
Building supplies	747	584	576	352	333	-
Subsistence	11,544	8,436	9,158	20,623	25,729	17,382
Production equipment	-	-	64	-	-	80
Construction 2/	318,231	513,290	524,134	469,862	548,100	532,296
Construction equipment	-	-	124	1,990	834	1,129
Medical and dental supplies and equip.	1,245	6,255	5,823	7,580	8,938	9,482
Photographic supplies and equipment	45	-	-	29	-	170
Materials handling equipment	-	1,629	8,089	411	1,331	54
All other supplies and equipment	34,841	55,974	40,487	32,747	62,110	41,024
Services	200,537	253,294	256,123	255,280	225,195	386,205

1/ Procurement programs with no expenditures for the 1995-99 period are: Combat vehicles, Weapons, and Transportation equipment.

2/ In FY99, Hawaii had 5.4 percent of the United States total, placing as the 4th highest state.

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Prime Contract Awards by Region and State, Fiscal Years 1993, 1992, and 1991*, p. 29; and <http://web1.whs.osd.mil/peidhome/geostats/P06/fy2000/P6Hawaii.HTM>.

**Table 10.14-- UNITED STATES DEPARTMENT OF DEFENSE
PRIME CONTRACT AWARDS, BY COUNTY,
BY DEFENSE COMPONENT: 1999 and 2000**

[In thousands of dollars. Fiscal years ended September 30.
Net value of Department of Defense prime contracts over \$25,000]

Procurement program 1/	State	Hawaii	Honolulu	Kauai	Maui
Total Fiscal Year 1999	984,848	8,302	917,732	34,065	24,749
Army	229,131	4,549	222,384	1,639	558
Navy	569,599	940	536,163	32,426	70
Air Force	92,311	2,383	66,031	-	23,896
Defense Logistics Agency	68,682	61	68,621	-	-
Civil Functions: OCE	2,492	157	2,110	-	225
Other Defense agencies 1/	22,633	212	22,423	-	-
Total Fiscal Year 2000	1,159,586	6,290	1,064,455	61,309	27,530
Army	242,588	4,877	221,876	8,161	7,674
Navy	618,072	114	564,561	53,017	380
Air Force	168,587	900	148,079	131	19,476
Defense Logistics Agency	106,043	-	106,043	-	-
Civil Functions: OCE	1,229	372	856	-	-
Other Defense agencies 1/	23,067	26	23,040	-	-

1/ Clarification to *Data Book 1999* Table 10.14 footnote. Additional detail was available on the U.S. Department of Defense website and clarified by the Directorate for Information Operations and Reports. <http://web1.whs.osd.mil/peid/st/st25/ST25WWW.HTM>

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Prime Contract Awards by Region and State, Fiscal Year 1999* and *ibid, 2000*.
http://web1.whs.osd.mil/peidhome/geostats/p09/Fy1999/P09tab6_99.htm
<http://web1.whs.osd.mil/peidhome/st/st25/fy2000/STHawaii.HTM>

Table 10.15-- MILITARY SUBCONTRACTING PROGRAM: 1998

[In thousands of dollars and percent. Fiscal years ended September 30. Public Law 95-507, as amended, requires large business firms that have received at least one contract over \$500,000, or \$1,000,000 for construction, to establish a subcontracting program]

Procurement program 1/	Total	Air Force	Army	Defense Logistics Agency	Navy
Hawaii total contracts	217,333	-	14,173	267	200,018
Large business	67,116	-	5,974	140	59,692
Small business	150,217	-	8,199	127	140,326
Small disadvantaged business	46,841	-	3,068	9	42,760
Women-owned business	24,077	-	269	2	23,737
Historically Black Colleges and Universities/Minority Institutions	-	-	-	-	-
Hawaii contracts as percent of total	100.0	-	100.0	100.0	100.0
Large business	30.9	-	42.2	52.4	29.8
Small business	69.1	-	57.8	47.6	70.2
Small disadvantaged business	21.6	-	21.6	3.4	21.4
Women-owned business	11.1	-	1.9	0.7	11.9
Historically Black Colleges and Universities/Minority Institutions	-	-	-	-	-
United States total contracts	46,464,777	567,919	3,326,367	37,299,757	5,270,734
Large business	26,379,447	250,167	1,404,514	22,274,976	2,449,790
Small business	20,085,330	317,752	1,921,853	15,024,781	2,820,944
Small disadvantaged business	2,799,861	62,739	297,274	2,049,154	390,694
Women-owned business	2,214,010	46,613	218,159	1,631,204	318,034
Historically Black Colleges and Universities/Minority Institutions	17,324	57	428	15,977	862
U.S. contracts as percent of total	100.0	100.0	100.0	100.0	100.0
Large business	56.8	44.0	42.2	59.7	46.5
Small business	43.2	56.0	57.8	40.3	53.5
Small disadvantaged business	6.0	11.0	8.9	5.5	7.4
Women-owned business	4.8	8.2	6.6	4.4	6.0
Historically Black Colleges and Universities/Minority Institutions	1/	1/	1/	1/	1/

1/ Less than 0.1.

Source: U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Companies Participating in the Department of Defense Subcontracting Program: 1998* and <<http://web1.whs.osd.mil/peidhome/procstat/p14/py14menu.htm>> accessed June 13, 2001.

Table 10.16-- NUCLEAR WEAPONS: 1985, 1992, AND 1998

Year	Number of weapons	Rank 1/
1985	345	14
1992	275	17
1998	-	15-50

1/ Rank is among the 50 states where 1 indicated the greatest number. In 1998, since only 14 states were identified as having nuclear weapons, the remainder were tied at 15-50.

Source: Natural Resource Defense Council, cited in *Honolulu Star-Bulletin*, October 7, 1998, p. A-3 and <<http://www.ndrc.org/nuclear/default.asp>> and for 1998 <<http://www.ndrc.org/nuclear/tkstock/tssum.asp>> accessed June 13, 2001.

**Table 10.17-- ACREAGE OWNED OR CONTROLLED BY THE U.S.
OF DEFENSE, BY BRANCH OF SERVICE AND
BY ISLANDS: 1992**

Branch of service and island	Total acreage	Owned in fee or ceded	Leased land
All branches	238,937	167,248	71,689
Branch of service:			
Air Force	5,867	5,286	581
Army	151,927	105,633	46,294
Marines	27,950	3,643	24,307
Navy	53,193	52,686	507
Island:			
Hawaii	101,882	84,822	17,060
Maui	8	5	3
Kahoolawe	28,777	28,777	-
Lanai	-	-	-
Molokai	6,319	12	6,307
Oahu	81,459	51,602	29,857
Kauai	20,384	1,922	18,462
Niihau	-	-	-
Kaula	108	108	-
Northwestern Hawaiian Islands, exc. Midway	-	-	-

Source: *The Honolulu Advertiser*, November 16, 1992, p. A2.

**Table 10.18-- MILITARY INSTALLATIONS BY BRANCH OF SERVICE
IN THE UNITED STATES AND HAWAII: SEPTEMBER 30, 1995**

Branch of service	Total	Army	Army National Guard	Navy	Air Force	Marines
United States	519	139	53	122	187	18
Hawaii	16	6	-	7	2	1

Source: US Department of Defense, U.S. Military Installations
<<http://www.defenselink.mil/pubs/installations/index.html>> accessed June 13, 2001.

Table 10.19-- MILITARY INSTALLATIONS BY BRANCH OF SERVICE, ACREAGE, PERSONNEL, AND CLASSIFICATION: SEPTEMBER 30, 1995

Installation	City	Category 2/	Personnel			Acres	Major unit or activity
			Total	Military	Civilian		
ARMY			21,892	17,382	4,510	164,185	
Fort DeRussy	Honolulu	3	134	49	85	73	Army reserve
Fort Kamehameha	Honolulu	3	16	13	3	-	25th Infantry Division training
Fort Ruger	Honolulu	3	99	-	99	8	RC Headquarters
Fort Shafter	Honolulu	1	21,559	17,306	4,253	55,297	Headquarters & administration
Pohakuloa Training Area	Hilo	3	82	14	68	108,792	25th Infantry Division Training
Waianae	Waianae	3	2	-	2	15	25th Infantry Division Training
NAVY			26,263	18,062	8,201	28,965	
NAS, Barbers' Point 1/	Barbers' Point	1	3,327	2,868	459	4,598	Patrol Aircraft
Naval Computer & Telecomm, East Pac	Wahaiwa	3	827	695	132	2,422	Communications
Naval Magazine Luaualei	Luaualei	3	674	392	282	12,028	Ordnance support
Naval Station, Pearl Harbor	Pearl Harbor	1	10,075	8,033	2,042	6,077	Operating base
Naval Station, Pearl Harbor	Pearl Harbor	1	5,925	5,654	271	125	Submarine Forces support
PAC Missile Range Facility at Barking Sands	Kekaha	3	295	122	173	3,555	Operating base
Pearl Harbor Naval Shipyard	Pearl Harbor	2	5,140	298	4,842	160	Ship alteration & repair

Continued on next page.

Table 10.19-- MILITARY INSTALLATIONS BY BRANCH OF SERVICE, ACREAGE, PERSONNEL, AND CLASSIFICATION: SEPTEMBER 30, 1995-- Con.

Installation	City	Category 2/	Personnel			Acres	Major unit or activity
			Total	Military	Civilian		
AIR FORCE							
Hickam AFB	Honolulu	1	4,646	3,293	1,353	2,862	Headquarters PACAF, 15th Air Base Wing , 154 Wing (Air National Guard)
Kokee Air Force Station	Kekaha	3	-	-	-	11	150 Aircraft Control Warning Squadron (Air National Guard)
MARINES							
Marine Corps Base, Hawaii Camp Smith MCAF, Kaneohe Bay	Pearl City Kailua	1 1 1	9,592 (NA) (NA)	8,505 (NA) (NA)	1,087 (NA) (NA)	34,526 (NA) (NA)	HQ, FMFPAC FMF Ground units/Helo Training OPS

1/ The Base Closures Commission recommendations listed this as "93C" indicating that in 1993 Barber's Point was recommended for closure.

2/ Category refers to designation of installation as Classification 1 (major), 2 (minor) or 3 (support or other activities). Criteria are specific to each service but are generally based on number and type of personnel (Army) and/or type of equipment and activities (Navy, Air Force and Marines). For specifics, see U.S. Military Installations-Data Element Definitions at <<http://www.denenselink.mil/pubs/installations/terms.html>>.

Source: US Department of Defense, U.S. Military Installations <<http://www.defenselink.mil/pubs/installations/index.html>> accessed June 13, 2001.

**Table 10.20-- HOUSING UNITS OWNED BY THE ARMED FORCES, BY
SERVICE AND GEOGRAPHIC AREA: APRIL 1, 1995 TO 1998**

Geographic area	All services	Air Force	Army	Coast Guard	Marine Corps	Navy
1995						
State total	21,060	3,189	8,389	326	2,095	7,061
Oahu	20,971	3,189	8,386	309	2,095	6,992
Other islands	89	-	3	17	-	69
1996						
State total	20,824	2,675	8,641	316	2,095	7,097
Oahu	20,735	2,675	8,638	299	2,095	7,028
Other islands	89	-	3	17	-	69
1997						
State total	20,481	2,659	8,641	316	2,095	6,770
Oahu	20,392	2,659	8,638	299	2,095	6,701
Other islands	89	-	3	17	-	69
1998						
State total	20,616	2,659	8,847	342	2,041	6,727
Oahu	20,527	2,659	8,844	325	2,041	6,658
Other islands	89	-	3	17	-	69

Source: Hawaii State Department of Business, Economic Development & Tourism, *Statistical Report 230, Housing Unit Estimates for Hawaii, 1980-1995* (September 1996) and *Ibid.*, survey of local housing agencies.

**Table 10.21-- VETERAN STATUS OF CIVILIANS 16 YEARS AND OVER:
1970 TO 1999**

Veteran status	Civilian males		All civilians 1/				
	1970	1980	1980	1990	1995	1998	1999
Civilians 16 and over	223,573	316,651	665,036	801,517	(NA)	(NA)	(NA)
Veterans	89,098	98,633	103,774	119,256	116,000	113,000	112,000
Male veterans	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	104,000
Female veterans	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8,000
War veterans 2/	75,026	82,230	85,322	87,301	85,000	83,000	83,000
Persian Gulf War	-	-	-	-	6,000	9,000	9,000
Vietnam era	20,548	36,441	38,136	41,860	42,000	42,000	42,000
Korean conflict	20,006	21,860	22,351	22,362	20,000	19,000	19,000
World War II	34,486	31,170	32,156	32,551	27,000	23,000	23,000
World War I	2,501	824	854	132	(Z)	(Z)	(Z)
Peacetime only	14,072	16,403	18,452	31,955	31,000	30,000	30,000
Nonveterans	134,475	218,018	561,262	682,261	(NA)	(NA)	(NA)

- Represents or rounds to zero.

Z Less than 500.

NA Not available.

1/ Not available for female civilians before 1980.

2/ Detail adds to more than subtotal because some veterans served in more than one war.

Source: U.S. Bureau of the Census, *1970 Census of Population, PC(1)-C13*, table 50; *1980 Census of Population, PC80-1-D13*, table 204; *1990 Census of Population, Social and Economic Characteristics, Hawaii, 1990 CP-2-13* (Sept. 1993), table 23; 1990 Census of Population tapes tabulated by Hawaii State Data Center; *Statistical Abstract of the United States: 1998*, p. 369; *Ibid.*, 1999, p. 379; *Ibid.* 2000, p. 372, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.22--DISTRIBUTION OF VETERANS AFFAIRS POPULATION AND EXPENDITURES,
BY COUNTIES AND CONGRESSIONAL DISTRICTS: 1999**

[in persons and dollars]

County or independent city (Congressional district in parenthesis)	Veteran population 1/	Total expenditures	Compensation and pension	Readjustment and vocational rehabilitation	Insurance and indemnities	Construction and related costs	Medical services and administration
State total	111,906	212,362,066	95,483,406	13,149,307	15,895,000	17,426,467	70,407,886
Hawaii County (02)	15,498	18,881,465	15,717,288	1,203,799	1,960,378	-	-
City & County of Honolulu (01)	79,582	180,115,581	68,868,777	11,576,637	11,835,814	17,426,467	70,407,886
(02)	55,143	151,776,200	47,719,313	8,021,475	8,201,059	17,426,467	70,407,886
Kalawao County (02)	24,439	28,339,381	21,149,464	3,555,162	3,634,755	-	-
Kauai County (02)	58	4,913	192	-	4,721	-	-
Maui County (02)	5,505	4,628,017	3,778,080	142,164	707,773	-	-
Total (01)	11,263	8,732,090	7,119,069	226,707	1,386,314	-	-
Total (02)	56,800	151,776,200	47,719,313	8,021,475	8,201,059	17,426,467	70,407,886
	55,106	60,585,866	47,764,093	5,127,832	7,693,941	-	-

1/ Estimated veteran population as of June 1999.

Source: U.S. Department of Veteran Affairs, Veteran Data & Information, Expenditure and Workload Data, [http://www.va.gov/vetdata/GraphicInformation/GDX99-VETPOP\(99\)-ALL.xls](http://www.va.gov/vetdata/GraphicInformation/GDX99-VETPOP(99)-ALL.xls), accessed June 7, 2001.

**Table 10.23--DISTRIBUTION OF VETERANS AFFAIRS POPULATION AND EXPENDITURES,
BY COUNTIES AND CONGRESSIONAL DISTRICTS: 2000**

[in persons and dollars]

County or independent city (Congressional district in parenthesis)	Veteran population 1/	Total expenditures	Compensation and pension	Readjustment and vocational rehabilitation	Insurance and indemnities	Construction and related costs	Medical services and administration
State total	102,566	220,913,623	101,084,666	12,787,307	16,018,001	6,352,824	84,670,825
Hawaii County (02)	12,937	18,565,148	15,793,221	796,379	1,975,548	-	-
City & County of Honolulu (01)	76,448	188,130,176	73,913,236	11,265,887	11,927,404	6,352,824	84,670,825
(02)	54,189	158,308,956	51,214,629	7,806,156	8,264,522	6,352,824	84,670,825
(02)	22,260	29,821,220	22,698,607	3,459,731	3,662,882	-	-
Kalawao County (02)	12	4,757	-	-	4,757	-	-
Kauai County (02)	4,116	4,823,918	3,923,109	187,559	713,250	-	-
Maui County (02)	9,052	9,389,624	7,455,100	537,482	1,397,042	-	-
Total (01)	54,189	158,308,956	51,214,629	7,806,156	8,264,522	6,352,824	84,670,825
Total (02)	48,378	62,604,667	49,870,037	4,981,151	7,753,479	-	-

1/ Estimated veteran population as of September 30, 2000.

Source: U.S. Department of Veteran Affairs, Veteran Data & Information, Expenditure and Workload Data, <http://www.va.gov/vetdata/GeographicInformation/REPLACE2.xls>, accessed June 12, 2001.

Table 10.24-- WAR CASUALTIES OF HAWAII RESIDENTS IN THE ARMED FORCES: 1914 TO 1998

War	Personnel serving	Battle deaths 1/	Nonbattle deaths	Wounded
World War I 2/	9,800	102		(NA)
World War II	36,777	658	138	(NA)
Korean conflict	25,000	403	(NA)	923
Vietnam conflict	12,970	221	51	(NA)
Persian Gulf War	2,839	1	-	(NA)

NA Not available.

1/ Data after World War II refer to deaths from hostile action.

2/ Data include nearly 200 Hawaii residents serving (and dying) with the British armed forces, many prior to the U.S. entry into World War I. Battle deaths of persons in the U.S. armed forces whose pre-service residence was Hawaii numbered 6.

Source: Robert C. Schmitt, "Hawaii's War Veterans and Battle Deaths", *The Hawaiian Journal of History*, vol. 32 (1998), pp. 171-174.

**Table 10.25-- MILITARY PERSONNEL RECEIVING RETIRED PAY FROM
THE DEPARTMENT OF DEFENSE: SEPTEMBER 30, 2000**

Service	Number of personnel		Monthly payment 2/ (\$1,000)	Average payment per person paid 3/ (dollars)
	Retired 1/	Paid by DOD		
Department of Defense	14,287	12,941	20,957	1,619
Officers	4,049	3,976	10,112	2,543
Nondisabled and reserve	3,853	3,800	9,678	2,547
Disabled	196	176	434	2,466
Enlisted	10,238	8,965	10,846	1,210
Nondisabled and reserve	9,272	8,518	10,522	1,235
Disabled	966	447	324	725
Department of Defense	14,287	12,941	20,957	1,619
Army	5,553	4,927	7,318	1,485
Navy	4,023	3,685	6,270	1,701
Marine Corps	963	860	1,628	1,893
Air Force	3,748	3,469	5,742	1,655
Addendum 4/ Coast Guard	267	258	39	151

1/ Includes retired personnel not receiving retired pay from the Department of Defense.

2/ Before deductions for withholding taxes and allotments, but after deductions for survivor benefits, dual compensation, etc.

3/ Calculated by Hawaii State Department of Business, Economic Development & Tourism as Monthly Payment (in dollars) divided by Number Paid by DOD.

4/ Payments made by the U.S. Department of Transportation, shown for informational purposes only, and not included in the DOD totals. Coast Guard data are as of September 30, 1998.

Source: U.S. Department of Defense, Office of the Actuary, *FY 2000 DOD Statistical Report on the Military Retirement System (2001)*.

Section 11

SOCIAL INSURANCE AND HUMAN SERVICES

This section presents data related to governmental expenditures on social welfare; programs for old-age, survivors, disability and health insurance; public employee retirement; unemployment insurance; aid to the needy; and child and other welfare services. Also included here are selected statistics on disability, United Way campaigns, foundations, and the quality of life. Related data are cited in Sections 9 and 13.

Major data sources include reports and records of the U.S. Department of Health and Human Services, the Hawaii State Department of Human Services, the Hawaii State Department of Labor and Industrial Relations, the Hawaii State Employees' Retirement System, and the Aloha United Way. *Historical Statistics of Hawaii*, Section 8, contains data for earlier years. Section 12 of the *Statistical Abstract of the United States: 2000* presents comparable national data.

**Table 11.01-- TEMPORARY ASSISTANCE TO NEEDY FAMILIES,
AVERAGE MONTHLY, BY ISLANDS: 1998 TO 2000**

[Year ended June 30. AFDC became Temporary Assistance to Needy Families (TANF) effective FY 1998]

Category	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1998								
Cases	17,253	11,606	3,464	825	1,357	19	1,170	169
Recipients	48,300	32,524	9,817	2,251	3,708	48	3,181	480
Expenditures 1/	9,119	6,168	1,839	419	692	10	593	89
1999								
Cases	16,547	11,125	3,306	789	1,327	20	1,150	157
Recipients	45,540	30,630	9,164	2,125	3,621	49	3,109	463
Expenditures 1/	8,504	5,743	1,709	383	669	10	576	83
2000								
Cases	15,071	10,170	3,023	714	1,164	19	1,008	137
Recipients	42,272	28,729	8,437	1,946	3,160	43	2,728	389
Expenditures 1/	7,701	5,253	1,542	339	567	9	489	69

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, DHS Obligations Report (annual).

**Table 11.02-- TEMPORARY ASSISTANCE TO OTHER NEEDY FAMILIES,
AVERAGE MONTHLY, BY ISLANDS: 1998 TO 2000**

[Year ended June 30. AFDC-UP became Temporary Assistance to Other Needy Families (TAONF) effective FY 1998. General Assistance (Family) was also added to TAONF]

Category	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1998								
Cases	6,277	3,879	1,488	349	561	8	406	148
Recipients	27,026	16,531	6,437	1,531	2,528	30	1,780	717
Expenditures 1/	3,674	2,254	888	201	331	4	238	90
1999								
Cases	7,111	4,486	1,606	394	625	8	456	161
Recipients	30,543	19,032	6,977	1,721	2,813	34	2,013	766
Expenditures 1/	3,953	2,472	921	215	346	3	254	88
2000								
Cases	6,710	4,403	1,439	336	532	5	380	147
Recipients	28,612	18,522	6,225	1,473	2,392	22	1,664	706
Expenditures 1/	3,576	2,328	801	169	278	3	196	79

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, DHS Obligations Report (annual).

Table 11.03-- AVERAGE MONTHLY CASES SERVED BY THE FOOD STAMP PROGRAM, BY ISLANDS: ANNUALLY, 1980 TO 2000

[Years ended June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1980	38,499	27,473	6,324	1,809	2,893	73	2,335	485
1981	40,461	28,788	6,698	1,876	3,099	83	2,473	543
1982	38,238	26,965	6,551	1,840	2,882	67	2,289	526
1983	38,549	26,438	7,040	2,050	3,021	70	2,407	544
1984	37,767	25,393	7,252	1,943	3,179	62	2,484	633
1985	37,282	24,873	7,330	1,980	3,099	64	2,352	683
1986	35,652	23,356	7,520	1,894	2,882	65	2,130	687
1987	33,424	21,908	7,244	1,717	2,555	50	1,839	666
1988	31,388	20,844	6,819	1,474	2,251	40	1,582	629
1989	31,809	21,233	6,916	1,410	2,250	29	1,633	588
1990	32,285	21,705	6,891	1,450	2,239	27	1,629	583
1991	33,558	22,649	7,097	1,545	2,267	29	1,686	552
1992	37,295	24,867	8,012	1,778	2,638	33	1,961	644
1993	42,175	27,789	9,165	2,016	3,205	49	2,454	702
1994	48,142	31,735	10,449	2,264	3,694	48	2,969	677
1995	53,855	35,407	11,578	2,660	4,210	48	3,472	690
1996	58,028	38,107	12,364	2,955	4,602	50	3,872	680
1997	57,905	38,122	12,185	3,054	4,544	53	3,804	687
1998	54,264	35,057	11,926	2,983	4,298	53	3,519	726
1999	55,837	36,623	11,897	3,030	4,287	58	3,548	681
2000	54,992	36,556	11,508	2,875	4,053	49	3,356	648

Source: Hawaii State Department of Human Services, HAWI Food Stamp Program, Monthly Summary.

**Table 11.04-- AVERAGE MONTHLY NUMBER OF INDIVIDUALS SERVED
BY THE FOOD STAMP PROGRAM, BY ISLANDS: ANNUALLY, 1980 TO 2000**

[Years ended June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1980	99,672	74,170	15,163	3,870	6,469	172	4,979	1,318
1981	103,996	77,369	15,781	3,911	6,935	188	5,293	1,454
1982	99,228	72,560	15,905	4,043	6,720	135	5,142	1,443
1983	101,118	71,574	17,474	4,752	7,318	157	5,595	1,566
1984	99,818	69,251	18,145	4,672	7,750	128	5,753	1,869
1985	99,395	68,145	18,539	4,942	7,769	140	5,604	2,025
1986	93,863	62,714	19,131	4,766	7,252	137	5,032	2,083
1987	87,070	57,935	18,456	4,217	6,462	91	4,317	2,054
1988	80,823	54,244	17,357	3,492	5,730	66	3,729	1,935
1989	80,284	53,964	17,444	3,282	5,594	38	3,793	1,763
1990	79,496	53,543	17,226	3,232	5,495	42	3,698	1,755
1991	81,345	54,927	17,466	3,472	5,480	62	3,776	1,642
1992	89,465	59,547	19,482	4,111	6,325	78	4,357	1,890
1993	99,571	65,177	22,044	4,625	7,725	127	5,547	2,051
1994	111,409	72,911	24,603	5,194	8,701	131	6,567	2,003
1995	122,121	79,571	26,781	6,061	9,708	125	7,540	2,043
1996	129,430	83,960	28,298	6,739	10,433	110	8,340	1,983
1997	129,138	84,049	27,757	6,973	10,359	119	8,265	1,975
1998	122,215	78,032	27,081	6,911	10,191	124	7,958	2,109
1999	124,417	80,621	26,710	6,941	10,145	133	8,069	1,943
2000	120,467	79,622	25,177	6,330	9,338	106	7,424	1,808

Source: Hawaii State Department of Human Services, HAWI Food Stamp Program, Monthly Summary.

Table 11.05-- ANNUAL BENEFITS OF THE FOOD STAMP PROGRAM, BY ISLANDS: 1986 TO 2000

[In dollars. Years ended June 30]

Year	State	Maui County					County total	Kauai	Hawaii	Oahu	Molokai
		Lanai	Maui	Lanai	Maui	Molokai					
1986	90,431,081					7,144,765	4,523,409	19,178,743	59,584,164	1,972,171	
1987	86,590,419					6,529,466	4,118,900	19,025,062	56,916,991	1,997,249	
1988	79,945,261					5,759,871	3,362,595	17,701,927	53,120,868	1,853,405	
1989	74,533,213					5,254,335	3,006,023	16,722,757	49,550,098	1,553,943	
1990	78,997,519					5,488,821	3,232,313	17,526,168	52,750,217	1,623,119	
1991	94,473,871					6,405,204	4,042,598	20,541,064	63,485,005	1,765,858	
1992	112,329,644					8,050,552	5,156,483	24,838,847	74,283,762	2,213,426	
1993	126,788,607					9,975,311	5,824,432	28,538,846	82,450,018	2,428,793	
1994	147,149,411					11,642,599	6,739,307	32,943,774	95,823,731	2,432,660	
1995	171,641,900					13,786,171	8,411,516	37,840,508	111,603,705	2,632,298	
1996	191,796,701					15,681,555	9,872,685	42,338,840	123,903,621	2,696,334	
1997	193,487,005					15,632,956	10,367,997	42,071,872	125,414,180	2,711,155	
1998	179,727,944					14,850,187	10,057,307	40,461,179	114,359,271	2,837,346	
1999	178,991,763					14,451,873	9,841,805	39,208,297	115,489,788	2,580,104	
2000	170,853,433					13,000,979	8,843,294	36,414,365	112,594,795	2,370,087	

Source: Hawaii State Department of Human Services, HAWI Food Stamp Program, Monthly Summary.

**Table 11.06-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY AGE,
RACE, AND SEX: 1998 TO 2000**

[December data. Based on 10-percent samples]

Age, race, and sex	1998	1999	2000
Total 1/	174,850	179,150	184,140
Age:			
17 years or under	10,780	11,190	10,970
18 to 64 years	28,730	30,280	30,370
65 to 69 years	35,490	34,930	37,060
70 to 74 years	37,450	37,240	37,200
75 years or older	62,400	65,510	68,540
Race:			
White	44,880	46,570	48,330
Black	1,950	2,000	2,200
Other	126,910	129,460	132,560
Adult beneficiaries:			
Men	72,220	73,760	76,020
Women	89,510	91,860	94,710

1/ Includes persons of unknown race.

Source: U.S. Department of Health and Human Services, Social Security Administration, *Social Security Bulletin, Annual Statistical Supplement* (annual) at <http://www.ssa.gov/statistics/Supplement/2000>, tables 5.J5 and 5.J5.1; Office of Research, Evaluation & Statistics, for year 2000.

**Table 11.07-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFICIARIES AND BENEFITS IN CURRENT-PAYMENT STATUS,
BY TYPE OF BENEFIT: 1999 AND 2000**

[December data. Based on 10-percent samples]

Type of benefit	Number of OASDI beneficiaries		Amount of monthly benefits (\$1,000)	
	1999	2000	1999	2000
Total	179,150	184,140	131,387	142,159
Retirement program:				
Retired workers	126,820	131,010	1/ 100,549	2/ 109,261
Spouses	9,900	9,890	3,801	4,005
Children	2,520	2,400	918	937
Survivor program:				
Widows, widowers, and parents	15,590	15,920	11,396	12,232
Children	6,800	6,860	3,598	3,772
Disability program:				
Disabled workers	12,890	13,510	10,069	10,860
Spouses	420	400	90	85
Children	4,210	4,150	966	1,007
Age 65 and over				
Men	60,560	62,600	52,640	57,160
Women	77,120	80,200	53,140	57,920

1/ Average monthly benefit was \$792.90; median was \$794.50.

2/ Average monthly benefit was \$834.00; median was \$835.00.

Source: U.S. Department of Health and Human Services, Social Security Administration, *Social Security Bulletin, Annual Statistical Supplement* (annual) at <http://www.ssa.gov/statistics/Supplement/2000>, tables 5.J2, 5.J3, 5.J4 and 5.J6; Office of Research, Evaluation & Statistics, for year 2000.

**Table 11.08-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFICIARIES IN CURRENT-PAYMENT
STATUS, BY COUNTIES: DECEMBER 1999**

County 1/	Total	Benefits			Aged 65 and older	
		Retirement 2/	Survivors 3/	Disability	Men	Women
State total 4/	178,000	138,680	22,060	17,260	60,011	76,999
Hawaii	25,232	18,245	3,545	3,440	8,310	9,670
Honolulu	126,024	100,040	15,025	10,960	42,665	56,380
Kalawao	5	5	0	0	5	0
Kauai	9,415	7,380	1,225	810	3,330	3,925
Maui	17,325	13,010	2,265	2,050	5,700	7,025

1/ Because of special rounding procedures, county detail may not add exactly to State totals, and State totals may differ somewhat from corresponding values in other OASDI tables in this section.

2/ Includes special age-72 beneficiaries.

3/ Includes nondisabled widows and widowers, disabled widows and widowers, widowed mothers and fathers, and parents.

4/ Total includes beneficiaries with unknown county code.

Source: U.S. Department of Health and Human Services, Social Security Administration, Office of Research, Evaluation & Statistics, table 4.

**Table 11.09-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFITS IN CURRENT-PAYMENT
STATUS, BY COUNTIES: DECEMBER 1999**

[In thousand dollars]

County 1/	Total	Benefits			Aged 65 and older	
		Retirement 2/	Survivors 3/	Disability	Men	Women
State total 4/	130,574	104,623	14,990	10,959	52,266	52,986
Hawaii	18,269	13,794	2,338	2,138	7,351	6,561
Honolulu	92,503	75,307	10,225	6,970	36,961	38,849
Kalawao	2	3	0	0	3	0
Kauai	6,908	5,532	853	519	2,888	2,658
Maui	12,893	9,987	1,574	1,332	5,063	4,919

1/ Because of special rounding procedures, county detail may not add exactly to State totals, and State totals may differ somewhat from corresponding values in other OASDI tables in this section.

2/ Includes special age-72 beneficiaries.

3/ Includes nondisabled widows and widowers, disabled widows and widowers, widowed mothers and fathers, and parents.

4/ Total includes beneficiaries with unknown county code.

Source: U.S. Department of Health and Human Services, Social Security Administration, Office of Research, Evaluation & Statistics, table 5.

**Table 11.10-- NUMBER AND PERCENT RECEIVING RETIREMENT,
SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS:
DECEMBER 1999**

Comparison	Total population		Aged 65 or older	
	Number (in thousands) 1/	Percent receiving OASDI benefits 2/	Number (in thousands) 1/	Percent receiving OASDI benefits 2/
United States	272,691	16.0	35,540	91.0
Hawaii	1,185	15.0	162	84.6

1/ Population data for 1999 on which percentages are based furnished by Population Estimates Branch, Bureau of the Census.

2/ Percentages with OASDI are based on the number of beneficiaries in December 1999.

Source: U.S. Department of Health and Human Services, Social Security Administration, Office of Research, Evaluation & Statistics, table 3.

**Table 11.11-- SOCIAL SECURITY BENEFICIARIES AND BENEFITS PAID:
1991 TO 2000**

Year	Number of beneficiaries, December	Monthly benefits, December (\$1,000)	Annual benefits paid (million dollars)
1991	151,390	85,182	971
1992	154,950	90,840	1,041
1993	158,370	95,812	1,106
1994	161,840	101,506	1,169
1995	168,020	107,600	1,243
1996	169,300	113,990	1,317
1997	172,050	119,266	1,385
1998	174,850	124,320	1,453
1999	179,150	131,387	1,517
2000	184,140	142,159	1,628

Source: U.S. Department of Health and Human Services, Social Security Administration, *Social Security Bulletin, Annual Statistical Supplement* (annual) at <http://www.ssa.gov/statistics/Supplement/2000>, tables 5.J1, 5.J2 and 5.J4, and data in earlier printed reports; Office of Research, Evaluation & Statistics, for year 2000.

Table 11.12-- MEDICARE BENEFICIARIES ENROLLED AND BENEFIT PAYMENTS: 1997 TO 2000

Coverage	All persons enrolled, July 1				Persons 65 and over enrolled, July 1				Estimated benefit payments 1/ (\$1,000)			
	1997	1998	1999	2000 2/	1997	1998	1999	2000 2/	1997	1998	1999	2000
	Hospital and/or medical insurance	155,186	158,987	161,787	164,004	143,731	145,975	148,077	151,282	655,491	638,739	600,477	(NA)
Hospital insurance	154,130	157,940	160,720	163,018	142,689	144,928	147,013	150,282	-	-	-	-
Supplementary medical insurance	144,339	148,173	150,752	152,398	134,677	136,703	138,607	141,776	-	-	-	-
Hospital and medical insurance (both)	143,333	147,126	149,685	151,412	133,635	135,656	137,543	140,776	-	-	-	-

NA Not available.

1/ Fiscal years.

2/ Preliminary data.

Source: U.S. Department of Health and Human Services, Health Care Financing Administration, Bureau of Data Management and Strategy, Office of Health Care Information Systems, records.

**Table 11.13-- DISABILITY OF CIVILIAN NONINSTITUTIONALIZED
PERSONS, FOR THE STATE AND OAHU: 1990**

Disability status	State total	Oahu only
Persons 16 to 64 years	672,828	503,514
With a mobility or self-care limitation	27,080	20,873
With a mobility limitation	11,029	8,176
With a self-care limitation	21,245	16,573
With a work disability	44,370	31,079
In labor force	19,765	13,938
Prevented from working	20,330	14,013
Persons 65 years and over	120,972	88,604
With a mobility or self-care limitation	21,251	15,973
With a mobility limitation	15,280	11,205
With a self-care limitation	13,477	10,333

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (Sept. 1993), table 34.

**Table 11.14-- PERSONS SERVED BY STATE HOMELESS PROGRAMS:
1998 AND 1999**

[Years ended June 30. Figures shown are unduplicated counts of persons receiving services under the State Stipend and Outreach programs]

Year and program	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1998					
Total persons	12,887	8,342	1,600	595	2,350
Outreach Program	6,272	3,589	837	567	1,279
Stipend Program	6,615	4,753	763	28	1,071
1999					
Total persons	12,734	7,134	2,198	1,015	2,387
Outreach Program	6,964	3,646	1,293	1,010	1,015
Stipend Program	5,770	3,488	905	5	1,372

Source: Hawaii State Department of Business, Economic Development & Tourism, Housing and Community Development Corporation of Hawaii, Homeless Programs Section, records.

Table 11.15-- CHARACTERISTICS OF NEW CLIENTS ENTERING THE STATE HOMELESS OUTREACH PROGRAMS: 1999

[Year ended June 30. Figures shown are unduplicated counts of new clients in the state homeless outreach programs]

Subject	Persons 2/	Subject	Persons 2/
Total	2,127	Hawaii residency	
Number of persons		Traveller/transient	109
City & County of Honolulu	709	Less than 3 months (intention to stay)	277
Hawaii	593	3 months to 2 years	248
Kauai	433	Long time resident	1,094
Maui	392	Reason for homelessness 3/	
Age		Little or no income	500
Under 1 years	24	Unable to find affordable housing	487
1 to 5 years	94	Transient from mainland/ other	204
6 to 12 years	121	Loss of employment	170
13 to 18 years	109	Other family conflicts (excluding abused by parent/spouse)????	194
19 to 44 years	1,174	Eviction	124
45 to 60 years	376	Other	894
Over 60 years	54	Housing status	
Race		Street/park/vehicle/ tent	1,617
Caucasian	752	Sheltered	151
Black	50	Transitional	26
Native American/Alaskan	25	Doubling up	7
Hawaiian/Part Hawaiian	549	Other	83
Filipino	88		
Mixed (except Hawaiian)	158		
Other	183		
Length of homelessness 1/			
Less than 1 month	(NA)		
1 month to 1 year	(NA)		
More than 1 year	(NA)		

NA Not available.

1/ Based on families, not individuals.

2/ Excludes figures for the "not known" category.

3/ More than one response per person was allowed.

Source: Hawaii State Department of Business, Economic Development & Tourism, Housing and Community Development Corporation of Hawaii, Homeless Programs Section, records.

Table 11.16-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS STIPEND PROGRAMS: 1999

[Year ended June 30. Figures shown are unduplicated counts of persons in the state homeless programs who responded to questionnaire. Excludes 389 persons who were part of the Institute of Human Services program. Includes people exiting to the transitional shelter program. Most categories include only adults]

Subject	Persons 1/	Subject	Persons 1/
Total	5,770	Sex	
		Male	3,263
Number of persons		Female	2,497
City & County of Honolulu	3,488	Hawaii residency	
Hawaii	905	Less than 6 months	691
Kauai	5	6 to 11 months	170
Maui	1,372	1 to 5 years	532
Age of child		6 to 10 years	320
Under 1 years	247	10 years and over	676
1 to 5 years	710	Lifetime	1,422
6 to 12 years	697	Employment	
13 to under 18 years	278	Unemployed	3,092
Age of adult		Part-time	425
Under 18 years 2/	11	Full-time	311
18 to 29 years	1,113	Family status 3/	
30 to 39 years	1,266	Single, no children	2,427
40 to 49 years	950	Couple, no children	47
50 to 59 years	318	Single, with children	572
60 years and over	158	Couple, with children	273
Race		Intergenerational/extended	29
Caucasian	1,762	Other	5
Black	331	Length of homelessness 3/	
Samoan	217	0 days/At risk	1,034
Filipino	302	Less than 1 month	1,328
Japanese	157	1 to 3 months	428
Hawaiian/part Hawaiian	1,969	4 to 12 months	260
Other Pacific Islander	298	1 to 2 years	133
Other	726	More than 2 years	121
		Other	5

1/ Excludes figures for the "not known" and the "no answer/don't know" category.

2/ Includes situations where the person is under 18 years old, but has a dependent child.

3/ Based on families, not individuals.

Source: Hawaii State Department of Business, Economic Development & Tourism, Housing and Community Development Corporation of Hawaii, Homeless Programs Section, records.

**Table 11.17-- HOMELESS PERSONS, BY SURVEY CATEGORY:
1999 ESTIMATES**

Survey category	State	City & County of Honolulu	County of Maui	County of Hawaii	County of Kauai
Resident population	1,193,001	872,478	120,785	143,135	56,603
Sheltered and unsheltered homeless	3,171	1,803	556	659	153
Sheltered 1/	1,219	869	225	100	25
Unsheltered 2/	1,952	934	331	559	128
Hidden homeless 3/	76,635	52,349	10,871	10,019	3,396
At risk 4/	206,924	148,321	22,949	24,333	11,321
Other households	906,271	670,005	86,409	108,124	41,733

1/ Sheltered homeless: Families or individuals who lack a fixed, regular and adequate nighttime residence and have a primary nighttime residence that is a supervised publicly or privately operated shelter designed to provide temporary living accommodations (e.g., emergency or transitional shelter or church) or that is an institution that provides temporary residence for individuals intended to be institutionalized.

2/ Unsheltered homeless: Families or individuals who have a primary nighttime residence that is a public or private place not designed for, or ordinarily used as, a regular sleeping accommodation for human beings, including beaches, parks, automobiles and streets.

3/ Hidden homeless: This population is defined as: (1) persons who share accommodations with other groups in the same household, either doubling up (two or more families or groups of persons who are related by birth, marriage or adoption) or sharing (two or more families or groups of persons who are not related by birth, marriage or adoption); or (2) persons who depend upon public assistance for their shelter payments each month. In both situations, if the public assistance and/or generosity of relative and friends are withdrawn, there is a strong likelihood that at least some of the persons in this category would end up homeless.

4/ At risk or precariously housed: Families or individuals who could become homeless in less than three months if they lost their primary source of income.

Source: Market Trends Pacific, Inc., *1999 Homeless Needs Assessment Study, Summary of Findings* (November 1999), pp. 3, 4, 6.

**Table 11.18-- HAWAII STATE EMPLOYEES' RETIREMENT SYSTEM:
1992 TO 2000**

Year	Member- ship, 1/ March 31	Pensioners and beneficiaries, March 31	Assets, 2/ June 30 (\$1,000)	Total benefits paid 3/ (\$1,000)	Average monthly pension 3/ (dollars)	Adminis- tration expenses 3/ (dollars)
1992	57,401	21,787	4,551,348	284,194	950	2,446,107
1993	59,518	22,387	4,987,341	309,245	1,004	2,274,981
1994	61,082	22,905	5,416,206	331,393	1,057	2,875,676
1995	60,687	25,360	5,599,698	408,206	1,143	2,896,684
1996	59,275	26,926	6,063,298	457,713	1,220	2,960,240
1997	59,500	27,173	7,888,168	436,397	1,276	3,217,348
1998	60,447	27,403	9,051,782	446,789	1,321	3,331,700
1999	61,164	27,950	9,679,760	483,199	1,369	3,775,942
2000	62,207	28,715	9,931,772	518,720	1,414	4,168,717

1/ State and county employees. Includes former vested employees but excludes all pensioners.

2/ Prior to June 30, 1997, assets are reported at cost. Effective June 30, 1997, assets are reported at fair value.

3/ Year ended June 30. Data on total benefits paid exclude the employers' share of social security contributions.

Source: Employees' Retirement System of the State of Hawaii, *Comprehensive Annual Financial Report*, and records.

Table 11.19-- FOSTER CARE: 1995 AND 1996

[Number of foster homes covers only licensed, certified and approved foster homes. Out-of-home care includes children placed into family foster care, kinship (relative) foster care, group homes, and residential group care]

Subject	1995	1996
Number of foster homes	1,086	(NA)
Children in out-of-home care	1,652	1,921
Rate per 1,000 children	5.2	6.3
Rank (50 states, from highest to lowest)	32	28

NA Not available.

Source: Data from the Child Welfare League of America, Washington, D.C., as cited in *Statistical Abstract of the United States* for 1998 (p. 395), and 1999 (p. 403).

Table 11.20-- CHILD WELFARE INDICATORS: 1997

Indicator	Number	Percent of total population	Percent of children (under 18)
Total Population	1,186,602	100.0	
Children (under 18)	302,592	25.5	100.0
Individuals in poverty, average 1996-97	154,258	13.0	
Children in poverty	62,637		20.7
Public school enrollment, SY 1996-97	188,485	15.9	
Private school enrollment, SY 1996-97	32,550	2.7	
Total in school, K-12	221,035	18.6	
Children in DOE special education	13,951		4.6
Persons in families receiving AFDC or General Assistance	71,683	6.0	
Children receiving free/reduced school lunch	64,356		21.3
Unemployed persons	38,200	1/ 3.2	
Individuals receiving food stamps	122,215	10.3	
Children receiving food stamps	62,782		20.7
Families/individuals claiming Earned Income Tax Credit (1996)	57,846	4.9	
Children with DHS subsidized child care	5,294		1.7
Children in Head Start, SY 1996-97	2,226		0.7
Children in foster care	2,669		0.9
Confirmed child abuse/neglect	1,969		0.7
Juvenile arrests for violent crime	4,291		
Juvenile arrests for property crime	12,570		
	Dollars		
Per capita personal income	25,598		
Median income, family of 4	56,992		
U.S. Poverty threshold, family of 4	16,405		
Hawaii poverty guideline, family of 4	18,460		
Income tax at poverty level, family of 4	501		
DOE per pupil cost	5,350		

1/ Revised.

Source: Hawaii Kids Watch, *Children's Budget Analysis Data Book* (October 1999), p. 9. Table modified by Hawaii Department of Business, Economic Development & Tourism.

Table 11.21-- UNEMPLOYMENT INSURANCE: 1987 TO 1999

[Covering private industry, Federal, State and County governments and nonprofit organizations]

Calendar year	Covered employment	Insured unemployment		Average weekly total wages (dollars)	Benefit payments (\$1,000)	Average weekly benefits (dollars)	Average benefit duration (weeks)
		Weekly average	Percent coverage				
1987	470,179	7,329	37	364.79	49,900	149.50	13.4
1988	485,707	6,708	42	392.73	50,659	162.51	13.5
1989	508,673	5,238	40	415.75	40,833	170.03	12.0
1990	533,229	5,722	38	444.92	50,269	189.40	11.4
1991	541,415	8,106	51	463.43	83,530	205.70	13.0
1992	544,718	11,933	1/ 45	492.94	144,741	235.48	14.8
1993	542,333	13,227	1/ 53	503.02	165,877	246.31	17.6
1994	540,015	15,228	1/ 43	514.13	193,878	258.72	17.4
1995	535,640	1/ 15,819	48	518.88	208,316	262.21	16.0
1996	533,123	15,351	41	526.04	200,050	261.07	17.8
1997	534,210	13,819	36	545.20	176,659	259.30	17.1
1998	533,147	12,978	35	558.83	162,013	254.79	16.6
1999	(NA)	11,043	33	(NA)	140,528	265.78	16.6

NA Not available.

1/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations, *State of Hawaii Unemployment Insurance Fact Book, 2000*; and records.

Table 11.22-- CHILD DAY CARE SERVICES WITH PAYROLL, BY FEDERAL INCOME TAX STATUS AND BROAD GEOGRAPHIC AREA: 1992, 1997 AND 1999

[Child day care services without payroll subject to Federal income tax, not included in this table, numbered 1,309 establishments in 1997 with receipts of \$11,627,000]

Geographic area	Number of establishments		Receipts or revenue (\$1,000)		Paid employees, March 12	
	Subject to tax	Tax exempt	Subject to tax	Tax exempt	Subject to tax	Tax exempt
1992 1/						
State total	42	120	5,105	27,580	234	1,353
Oahu	24	91	3,274	22,416	162	1,129
Neighbor Islands	18	29	1,831	5,164	72	224
1997 2/						
State total	35	138	(D)	44,956	100-249	1,572
Oahu	17	96	(D)	35,336	100-249	1,284
Neighbor Islands	18	42	(D)	9,620	20-99	288
1999 2/						
State total		181		(NA)		2,050
Oahu		120		(NA)		1,648
Neighbor Islands		61		(NA)		402

NA Not available.

D Withheld to avoid disclosing data of individual companies.

1/ SIC 835.

2/ NAICS 6244.

Source: U.S. Bureau of the Census, *1992 Census of Service Industries, Hawaii*, SC92-A-12 (August 1994), tables 1a, 1b, 7a, 7b, 8a, and 8b; *1992 Census of Service Industries, Nonemployer Statistics Series, Summary*, SC92-N-1 (March 1995), table 3; *1997 Economic Census, Hawaii, Health Care and Social Assistance, Geographic Area Series* (June 1999), tables 1a, 1b, 2a, 2b, 3 at <http://www.census.gov/prod/ec97/97s62-hi.pdf>; *1997 Economic Census, Nonemployer Statistics, GC97X-C54 (January 2001)*, p. 116, *County Business Patterns 1999*, Hawaii, CBP-99-13 (April 2001), tables 2 and 6 at <http://www.census.gov/prod/2001pubs/cbp99-13.pdf>.

Table 11.23-- LICENSED CHILD CARE CENTERS AND LICENSED FAMILY CHILD CARE PROVIDERS: 1998

Subject	Number	Rank 1/
Licensed child care centers, February 1998	494	41
Licensed family child care providers, August 1998	500	48

1/ 50 States and D.C., from highest to lowest

Source: Children's Foundation, Washington, D.C., as cited in *Statistical Abstract of the United States: 1999*, p. 402.

**Table 11.24-- UNITED WAY REVENUES AND OUTLAYS, BY ISLANDS:
1998 TO 2000**

[Thousands of dollars]

Year and island	Public support & revenues	Public support	Allocations & expenses	Allocations to agencies
1998				
Total reported	16,380	15,231	(NA)	(NA)
Aloha United Way (Oahu)	1/ 13,081	1/ 12,324	1/ 14,328	11,553
Hawaii Island United Way	1,224	1,148	1,109	679
Kauai United Way	540	540	563	370
Maui United Way	1,455	1,174	(NA)	647
Friendly Isle United Way (Molokai)	80	45	37	27
1999				
Total reported	(NA)	(NA)	(NA)	(NA)
Aloha United Way (Oahu)	13,934	13,380	13,710	10,004
Hawaii Island United Way	1,337	1,289	1,037	711
Kauai United Way	487	487	527	335
Maui United Way	1,109	896	(NA)	863
Friendly Isle United Way (Molokai)	100	53	33	22
2000				
Total reported	(NA)	(NA)	(NA)	(NA)
Aloha United Way (Oahu)	(NA)	(NA)	(NA)	(NA)
Hawaii Island United Way	(NA)	(NA)	(NA)	(NA)
Kauai United Way	495	495	(NA)	335
Maui United Way	1,150	1,157	(NA)	650
Friendly Isle United Way (Molokai)	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Revised.

Source: Aloha United Way, *1998 Annual Report*, <http://www.auw.org/new/webar.pdf>;

Aloha United Way, *1999 Annual Report Financial Information*, <http://www.auw.org/annrpt.html>;

Hawaii Island United Way, Inc., records; Kauai United Way, records;

Maui United Way, records; Friendly Isle United Way, records.

**Table 11.25-- REPORTING PUBLIC CHARITIES IN HAWAII, BY TYPE:
CIRCA 1997**

[Dollar amounts in millions]

Type	Organizations number 1/	Expenses 2/	Assets 3/	Public support 4/	Total revenue 5/
Total	1,112	2,422.12	6,781.95	539.77	2,872.86
Operating public charities	1,025	2,336.49	5,719.30	490.04	2,759.25
Arts, culture, humanities	167	106.40	358.32	53.68	126.39
Educational institutions	179	408.92	2,860.63	69.68	676.73
Environmental quality, protection	27	11.15	46.36	11.24	15.50
Animal related	13	7.73	14.70	3.51	8.52
Health - general, rehabilitative	87	1,403.14	1,729.15	82.89	1,477.31
Mental health, crisis intervention	31	27.08	21.25	17.04	28.36
Disease, disorders, medical disciplines	20	35.00	20.88	6.07	36.78
Medical research	13	3.18	4.80	1.89	3.49
Crime, legal related	16	7.51	2.87	6.40	7.49
Employment, job related	6	8.63	5.53	2.89	9.97
Food, agriculture, nutrition	9	13.51	5.24	13.37	14.13
Housing, shelter	53	25.05	193.13	37.47	50.46
Public safety, disaster relief	4	0.35	0.16	0.22	0.34
Recreation, sports, leisure, athletics	51	7.48	5.15	3.04	7.56
Youth development	35	15.99	21.90	10.86	16.83

continued on next page

**Table 11.25-- REPORTING PUBLIC CHARITIES IN HAWAII, BY TYPE:
CIRCA 1997 -- Con.**

[Dollar amounts in millions]

Type	Organizations number 1/	Expenses 2/	Assets 3/	Public support 4/	Total revenue 5/
Human services - multipurpose	132	172.73	206.20	97.27	174.18
International, foreign affairs	14	24.67	33.73	21.91	27.82
Civil rights, social action, advocacy	6	2.26	1.11	2.36	2.55
Community improvement	38	19.58	85.25	18.82	29.65
Philanthropy, grantmaking	1	0.04	0.98	0.00	0.13
Science and technology research	12	21.01	58.64	19.20	27.05
Social science research	3	0.20	0.27	0.07	0.19
Public, social benefit	11	2.95	2.17	0.30	3.13
Religion related, spiritual development	42	7.04	30.42	4.26	7.71
Unknown/unclassified	55	4.89	10.47	5.59	6.96
Supporting public charities	84	85.43	1,058.89	49.64	113.11
Mutual benefit public charities	3	0.20	3.76	0.09	0.50

1/ Include only organizations that both reported (filed IRS Form 990) and were required to do so. The following were excluded: foreign organizations, government-associated organizations, and organizations without state identifiers. Organizations not required to report include religious congregations and organizations with less than \$25,000 in gross receipts.

2/ Total expenses = current operating expenditures, grants and benefits, and payments to affiliates.

3/ Total assets = total assets at the end of the year, including cash, savings, investments, land, buildings, equipment, inventory, and accounts, pledges, grants, and loans receivable.

4/ Public support = gifts, grants, and contributions from government and private sources.

5/ Total revenue = calculated by the National Center for Charitable Statistics using the following formula: gross income + public support + dues received - rental expenses - direct expenses other than fundraising expenses.

Source: *US Internal Revenue Service Form 990 Return Transaction File, 1998* (returns received in that calendar year) as adjusted by the National Center for Charitable Statistics. Prepared by the NCCS in April of 1999.

Table 11.26-- QUALITY OF LIFE INDEX RANKINGS, FOR THE STATE AND HONOLULU METROPOLITAN STATISTICAL AREA: 1993 TO 2000

Area, authority, and year of publication	Number of areas ranked	State or Honolulu rank 1/
State:		
Morgan Quitno, 1993	50	9
Morgan Quitno, 1994	50	20
Thomas, 1995	50	2
Morgan Quitno, 1995	50	24
Morgan Quitno, 1996	50	27
Morgan Quitno, 1997	50	33
Morgan Quitno, 1998	50	30
Morgan Quitno, 1999	50	41
Morgan Quitno, 2000	50	43
Honolulu MSA:		
<i>Money</i> , 1993	300	124
<i>Money</i> , 1994	300	155
<i>Money</i> , 1995	300	102
<i>Money</i> , 1996	300	88
<i>Money</i> , 1997	300	167
<i>Money</i> , 1998 2/	23	16
<i>Money</i> , 2000	100	45

1/ For the State, the scale is 1 to 50, the lower the rank, the better. For the Honolulu MSA, the scale is 1 to 300 for the years 1993 to 1997, the lower the rank, the better; 1 to 23 for 1998, and 1 to 100 for 2000, the higher the rank, the better.

2/ In the Western States, comparison limited to medium-size Metropolitan Statistical Areas, (MSAs of 250,000 to 1,000,000 inhabitants).

Source: Morgan Quitno (publisher), *State Rankings* (annual); G. Scott Thomas, *The Rating Guide to Life in America's Fifty States*, cited in *American Demographics*, Feb. 1995, pp. 13-14; "Best Places to Live in America" (annual survey), *Money* 1998 and earlier issues; http://www.money.com/money/depts/real_estate/bplive, accessed January 5, 2001.

Section 12

LABOR FORCE, EMPLOYMENT, AND EARNINGS

This section presents statistics on the size and composition of the labor force, employment by occupation, industry, and class of worker, payrolls, wage rates, hours, industrial safety, unionization, and strikes. Related series appear in Sections 3, 9, 10, and 19 through 23.

Principal sources for the data on labor force, employment, place of work, hours, earnings, unions and strikes are the decennial reports of the U.S. Census Bureau, the same agency's Current Population Survey, reports by the U.S. Bureau of Labor Statistics, monthly and annual tabulations by the Hawaii State Department of Labor and Industrial Relations, and annual surveys of pay rates by the Hawaii Employers Council. *Historical Statistics of Hawaii*, Section 4, includes figures for earlier years. Statistics for the nation as a whole are published in Section 13 of the *Statistical Abstract of the United States: 2000*.

Table 12.01-- LABOR FORCE STATUS, BY SEX: 1960 TO 1990

Sex and labor force status	1960	1970	1980	1990
BOTH SEXES				
Persons 16 years and over	402,937	522,018	723,479	855,518
Labor force	263,450	344,269	494,223	602,348
Percent in labor force	65.4	65.9	68.3	70.4
Armed forces	47,255	49,785	58,443	54,001
Civilian labor force	216,195	294,484	435,780	548,347
Employed	207,456	285,556	415,181	529,059
Unemployed	8,739	8,928	20,599	19,288
Percent of civ. labor force	4.0	3.0	4.7	3.5
Not in labor force	139,487	177,749	229,256	253,170
MALE				
Persons 16 years and over	219,822	272,726	370,683	434,203
Labor force	186,507	222,221	290,420	335,651
Percent in labor force	84.8	81.5	78.3	77.3
Armed forces	46,626	48,860	54,032	47,441
Civilian labor force	139,881	173,361	236,388	288,210
Employed	135,481	168,940	225,331	277,735
Unemployed	4,400	4,421	11,057	10,475
Percent of civ. labor force	3.1	2.6	4.7	3.6
Not in labor force	33,315	50,505	80,263	98,552
FEMALE				
Persons 16 years and over	183,115	249,292	352,796	421,315
Labor force	76,943	122,048	203,803	266,697
Percent in labor force	42.0	49.0	57.8	63.3
Armed forces	629	925	4,411	6,560
Civilian labor force	76,314	121,123	199,392	260,137
Employed	71,975	116,616	189,850	251,324
Unemployed	4,339	4,507	9,542	8,813
Percent of civ. labor force	5.7	3.7	4.8	3.4
Not in labor force	106,172	127,244	148,993	154,618

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960, Detailed Characteristics, Hawaii*, PC(1)-13D (1962), table 115; *1970 Census of Population, General Social and Economic Characteristics, Hawaii*, PC(1)-C13 (December 1971), table 53; *1980 Census of Population, General Social and Economic Characteristics, Hawaii*, PC80-1-C13 (June 1983), table 61; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 24.

Table 12.02-- LABOR FORCE CHARACTERISTICS, BY COUNTIES: 1990

Subject	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 16 years and over	855,518	88,999	651,920	130	38,348	76,121
Female	421,315	44,417	320,345	55	19,124	37,374
Percent in labor force	70.4	64.2	71.1	31.5	68.9	72.5
Female	63.3	58.6	63.6	25.5	63.7	66.2
Civilian labor force	548,347	56,986	410,023	41	26,185	55,112
Percent unemployed	3.5	4.6	3.5	-	3.6	2.7
Worked in 1989	639,859	62,296	490,444	55	28,258	58,806
40 or more weeks	509,005	47,196	393,023	42	22,290	46,452
Usually worked 35 or more hours per week, 50 to 52 weeks	369,436	33,652	287,224	35	15,594	32,931
Females with own children under 6 years	68,218	7,584	51,261	-	3,228	6,145
Percent in labor force	63.4	60.5	63.1	-	70.5	65.5
Own children under 6 years in families and sub- families, all parents in household in labor force	57,489	6,274	42,594	-	2,983	5,638

Source: U.S. Bureau of the Census *1990 Census of Population and Housing, Summary Social, Economic, and Housing Characteristics, Hawaii*, 1990 CPH-5-13 (April 1992), table 6.

**Table 12.03-- SELECTED LABOR FORCE AND COMMUTING
CHARACTERISTICS, BY GEOGRAPHIC AREA: 1990**

Subject	State total	Oahu	Other islands
LABOR FORCE STATUS			
Females 16 years and over	421,315	320,345	100,970
With own children under 6 years	68,218	51,261	16,957
Percent in labor force	63.4	63.1	64.3
With own children 6 to 17 years only	68,083	50,385	17,698
Percent in labor force	81.6	81.6	81.4
Own children under 6 years in families and subfamilies	95,622	71,395	24,227
All parents present in household in labor force	57,489	42,594	14,895
Own children 6 to 17 years in families and subfamilies	171,939	124,553	47,386
All parents present in household in labor force	126,493	91,916	34,577
Persons 16 to 19 years	57,184	43,946	13,238
Not enrolled in school and not high school graduate	4,267	3,096	1,171
Employed or in Armed Forces	2,063	1,440	623
Unemployed	564	408	156
Not in labor force	1,640	1,248	392
COMMUTING TO WORK			
Workers 16 years and over	567,765	437,518	130,247
Percent drove alone	60.5	57.6	70.1
Percent in carpools	20.5	20.9	18.9
Percent using public transportation	7.4	9.3	0.9
Percent using other means	2.6	2.8	2.0
Percent walked or worked at home	9.0	9.3	8.0
Mean travel time to work (minutes)	23.8	24.8	20.3

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), tables 36 and 37.

Table 12.04-- LABOR FORCE STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL AVERAGES, 1997 AND 1998

[Numbers in thousands]

Labor force status	Persons 16 years and over			16 to 19 years (both sexes)
	Both sexes	Men	Women	
1997				
Civilian noninstitutional population	873	413	460	55
Civilian labor force	592	300	292	26
Percent of population	67.8	72.8	63.4	46.9
Employment	554	279	275	21
Percent of population	63.5	67.5	59.9	38.0
Unemployment	38	22	16	5
Rate 1/	6.4	7.2	5.6	19.0
Error range of rate 2/	5.7-7.1	6.1-8.3	4.6-6.5	13.8-24.3
Not in civilian labor force	281	113	168	29
1998				
Civilian noninstitutional population	886	410	476	56
Civilian labor force	597	296	301	21
Percent of population	67.4	72.2	63.2	37.5
Employment	560	277	282	16
Percent of population	63.2	67.6	59.2	28.6
Unemployment	37	19	18	5
Rate 1/	6.2	6.4	6.1	25.2
Error range of rate 2/	5.5-6.9	5.4-7.4	5.1-7.1	18.9-31.5
Not in civilian labor force	289	301	175	35

1/ Percent of civilian labor force.

2/ At the 90-percent confidence level.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, 1997 (Bulletin 2515, June 1999), table 12, and *Geographic Profile of Employment and Unemployment*, 1998 (Bulletin 2524, November 1999), table 12 and <<http://stats.bls.gov/opub/gp/gpsec2.htm>> and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.05-- CIVILIAN LABOR FORCE, TOTAL AND FEMALE, AND
UNEMPLOYMENT RATE, BY RACE AND HISPANIC ORIGIN:
1999 AND 2000**

Race or origin 1/	Civilian labor force				Unemployed (percent)	
	1999		2000		2000	
	Both sexes	Female	Both sexes	Female	Both sexes	Female
All races	594,800	281,350	595,450	281,800	4.3	4.1
White	194,450	89,500	194,700	89,450	4.5	5.0
Asian or Pacific Islander	381,400	183,050	381,900	183,550	4.1	3.6
Japanese	147,750	70,500	148,800	71,150	2.0	1.5
Filipino	97,700	48,150	97,700	48,300	4.9	4.1
Hawaiian	67,750	31,900	67,250	31,700	7.2	6.7
Chinese	38,950	18,300	39,000	18,350	3.0	2.8
Korean	12,850	6,950	12,800	6,950	4.3	4.3
Other Asian or Pacific Islander	16,450	7,200	16,250	7,100	7.7	7.7
Black	7,500	3,700	7,400	3,650	6.6	6.5
American Indian, Eskimo, Aleut	2,850	1,450	2,850	1,450	7.1	7.8
Other race	8,600	3,700	8,550	3,700	6.1	6.5
Minority group	400,400	191,900	400,700	192,300	4.2	3.7
Hispanic (all races)	36,300	17,000	36,050	16,850	7.4	7.0

1/ Based on census definitions. Persons of mixed race are classified by self-identification or race of mother.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, unpublished estimates.

**Table 12.06-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE:
ANNUAL AVERAGES, 1980 TO 2000**

Year	Labor force	Employed	Unemployed	
			Number	Percent
1980	440,000	418,000	21,000	4.9
1981	451,000	427,000	24,000	5.4
1982	461,000	430,000	31,000	6.7
1983	472,000	442,000	30,000	6.5
1984	472,000	445,000	27,000	5.6
1985	479,000	452,000	27,000	5.6
1986	492,000	468,000	24,000	4.8
1987	514,000	494,000	20,000	3.8
1988	518,000	502,000	16,000	3.1
1989	524,000	511,000	13,000	2.5
1990	542,000	527,000	15,000	2.8
1991	573,750	557,750	16,000	2.8
1992	584,050	557,450	26,650	4.6
1993	586,000	560,900	25,100	4.3
1994	580,150	545,000	35,150	6.1
1995	576,400	542,650	33,800	5.9
1996	593,600	555,750	37,850	6.4
1997	594,700	556,650	38,050	6.4
1998	1/ 594,350	1/ 557,200	37,150	6.2
1999	1/ 592,800	1/ 559,600	1/ 33,200	5.6
2000	595,450	569,900	25,500	4.3

1/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual), and Internet site <http://www.hawaii.gov/workforce/index.html>, accessed March 2, 2001.

**Table 12.07-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1990 TO 2000**

[Island data may not add exactly to State totals in preceding table]

Year	Oahu	Hawaii County	Kauai County	Maui County			
				County total	Lanai	Maui	Molokai
CIVILIAN LABOR FORCE							
1990	402,300	57,500	25,750	56,500	1,400	52,400	2,700
1991	419,850	63,800	28,600	61,500	1,550	57,300	2,650
1992	423,350	65,350	29,450	65,900	1,600	61,250	3,050
1993	426,400	65,300	28,350	66,000	1,550	61,600	2,850
1994	420,350	65,350	28,650	65,800	1,500	61,400	2,900
1995	418,150	64,150	28,350	65,800	1,600	61,200	2,950
1996	429,350	67,250	29,000	68,050	1,650	63,250	3,100
1997	428,100	68,750	28,600	69,250	1,700	64,700	2,850
1998	1/ 427,150	1/ 68,600	1/ 28,650	1/ 69,950	1/ 1,650	1/ 65,350	2,950
1999	1/ 423,150	1/ 69,400	1/ 28,900	1/ 71,400	1,750	1/ 66,600	1/ 3,000
2000	423,500	70,100	29,400	72,400	1,800	67,550	3,100
CIVILIAN EMPLOYED							
1990	393,300	55,200	24,700	53,800	1,300	50,300	2,200
1991	411,250	60,900	27,400	58,200	1,450	54,350	2,400
1992	410,700	60,050	26,400	60,250	1,500	56,200	2,550
1993	413,250	60,400	24,700	62,500	1,400	58,500	2,600
1994	400,850	58,300	24,550	61,300	1,350	57,350	2,600
1995	398,950	57,600	25,100	61,000	1,550	56,850	2,600
1996	406,650	60,550	25,450	63,050	1,550	58,900	2,600
1997	405,450	61,750	25,400	64,050	1,600	60,000	2,450
1998	1/ 404,250	1/ 61,950	1/ 25,800	1/ 65,200	1,600	1/ 61,100	2,500
1999	1/ 402,250	1/ 63,350	1/ 26,650	1/ 67,300	1,650	1/ 63,050	2,600
2000	407,600	65,450	27,500	69,350	1,700	65,000	2,650

Continued on next page.

Table 12.07-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE, FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1990 TO 2000 -- Con.

Year	Oahu	Hawaii County	Kauai County	Maui County			
				County total	Lanai	Maui	Molokai
UNEMPLOYED							
1990	8,950	2,300	1,050	2,700	100	2,100	500
1991	8,600	2,900	1,200	3,300	100	2,950	250
1992	12,650	5,250	3,050	5,650	150	5,050	500
1993	13,150	4,850	3,600	3,450	150	3,100	250
1994	19,500	7,100	4,100	4,500	100	4,050	300
1995	19,200	6,550	3,250	4,800	100	4,400	350
1996	22,700	6,650	3,550	4,950	100	4,400	500
1997	22,650	7,000	3,250	5,200	100	4,650	400
1998	22,950	6,600	2,850	4,750	50	4,250	450
1999	1/ 20,900	6,050	1/ 2,200	1/ 4,050	100	1/ 3,550	450
2000	15,900	4,650	1,900	3,050	50	2,550	450
PERCENT UNEMPLOYED							
1990	2.2	4.0	4.1	4.8	5.9	4.1	18.1
1991	2.0	4.5	4.1	5.4	6.7	5.1	10.1
1992	3.0	8.1	10.3	8.6	7.8	8.3	16.0
1993	3.1	7.5	12.8	5.3	8.9	5.0	8.4
1994	4.6	10.8	14.3	6.8	7.1	6.6	10.8
1995	4.6	10.2	11.4	7.3	5.3	7.2	11.4
1996	5.3	9.9	12.2	7.3	5.8	6.9	15.9
1997	5.3	10.2	11.3	7.5	5.9	7.2	14.8
1998	5.4	9.6	9.9	6.8	3.5	6.5	14.9
1999	4.9	8.7	7.7	5.7	4.4	5.3	14.2
2000	3.8	6.7	6.5	4.2	3.5	3.8	14.0

1/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual), and Internet site <http://www.hawaii.gov/workforce/laus.htm>, accessed March 2, 2001.

**Table 12.08-- CHARACTERISTICS OF THE INSURED UNEMPLOYED:
ANNUAL AVERAGES, 1999**

[Percent distributions. Includes all eligible claimants who filed new claims for unemployment insurance benefits during the year. Includes both intrastate and interstate agent claimants]

Characteristic	Percent	Characteristic	Percent
Total	1/ 100.0	Industry--con.:	
Age:		Finance	4.7
Under 22 years	2.2	Services	26.9
22 to 24 years	4.5	Hotel	6.5
25 to 34 years	24.9	Others	5.0
35 to 44 years	29.4	Occupation:	
45 to 54 years	23.6	Prof., tech., mgr.	17.5
55 to 64 years	12.1	Clerical, sales	19.2
65 years and over	3.3	Services	16.2
Sex:		Farm, fish., forest	4.9
Male	64.1	Processing	1.0
Female	35.9	Machine trades	1.6
Industry:		Bench work	1.0
Government	4.8	Structural work	29.9
Agriculture	4.7	Miscellaneous	6.9
Construction	25.9	Not available	1.9
Manufacturing	3.9	Duration:	
Trans., commun., util.	6.6	1 to 4 weeks	36.6
Wholesale, retail trade	17.3	5 to 14 weeks	36.6
		15 weeks and over	26.8

1/ Percentages may not add exactly to indicated total, due to rounding.

Source: Hawaii State Department of Labor and Industrial Relations, *Characteristics of the Insured Unemployed in Hawaii 1999*; http://www.state.hi.us/dlir/rs/loihi/OMI/UI/ST_CHAR2.HTM.

**Table 12.09-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGES,
1980 TO 2000**

[Persons holding more than one job are counted in each position. As a result, these data differ from corresponding estimates of employment, reported elsewhere in this section. Active-duty armed forces are excluded, unless also employed in civilian jobs. Persons not working because of labor disputes are included]

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1980	414,900	335,750	31,750	16,700	30,750
1981	416,300	335,050	32,600	16,700	31,950
1982	410,700	328,400	32,500	16,550	33,300
1983	417,400	332,750	33,150	17,100	34,400
1984	423,450	336,900	34,200	17,000	35,400
1985	436,150	344,950	35,700	18,000	37,550
1986	448,700	354,050	36,550	19,150	38,950
1987	470,500	369,300	39,000	20,600	41,600
1988	488,150	380,850	40,650	22,200	44,400
1989	515,100	397,900	44,950	24,350	47,900
1990	538,600	413,500	48,950	25,100	50,850
1991	548,700	417,850	51,650	26,400	52,850
1992	552,100	420,250	51,300	25,650	54,900
1993	547,450	416,900	50,800	23,550	56,200
1994	544,200	413,600	50,250	24,050	56,300
1995	540,150	410,250	49,550	24,450	55,850
1996	538,150	406,750	50,700	24,150	56,200
1997	538,700	404,950	51,650	24,100	57,000
1998	538,850	402,850	52,500	24,750	58,700
1999	1/ 542,750	1/ 403,650	1/ 53,350	1/ 25,400	1/ 60,300
2000	559,350	414,550	56,000	26,400	62,400

1/ Revised.

Source: Hawaii State Department of Business, Economic Development and Tourism, computed from data provided by Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual), and Internet site <http://www.hawaii.gov/workforce/index.html>, accessed March 2, 2001.

**Table 12.10-- JOBCOUNT, BY INDUSTRY: ANNUAL AVERAGES,
1996 TO 2000**

[Data rounded to nearest 50. Totals may not add due to rounding or residual categories]

Industry	1996	1997	1998	1999	2000
Nonagriculture, wage and salary	530,750	531,500	531,250	1/ 535,050	551,500
Construction & mining	23,650	22,300	21,650	1/ 21,650	23,500
Manufacturing	16,650	16,550	16,450	1/ 16,550	17,200
Durable goods	3,450	3,300	3,300	3,400	3,650
Nondurable goods	13,200	13,300	13,150	1/ 13,150	13,550
Food processing 2/	6,300	6,400	6,500	1/ 6,600	6,700
Textile & apparel	2,150	(NA)	(NA)	(NA)	(NA)
Printing & publishing	3,200	3,100	3,050	3,050	3,200
Transp., comm., & utilities	41,050	41,300	41,150	1/ 41,200	42,400
Transportation 3/	31,000	31,150	31,000	1/ 31,250	32,500
Communication	6,400	6,600	6,750	1/ 6,600	6,500
Utilities	3,700	3,550	3,400	1/ 3,350	3,400
Trade	135,200	134,350	132,200	1/ 133,150	136,950
Wholesale	21,400	20,950	21,000	1/ 21,150	21,600
Retail	113,850	113,350	111,200	1/ 112,000	115,400
Finance, ins., & real estate	36,900	36,150	35,500	1/ 34,800	33,400
Services & miscellaneous	166,650	169,200	172,200	1/ 174,900	183,400
Hotels	38,350	38,350	37,750	37,100	38,450
Health services	34,100	34,700	35,300	1/ 35,800	36,700
Government	110,550	111,700	112,200	112,800	114,600
Federal	31,100	30,650	30,400	1/ 30,300	30,950
Air Force	2,100	2,050	2,050	2,050	2,100
Army	4,850	5,000	4,900	4,700	4,700
Navy	9,850	9,250	9,100	9,000	8,750
State	62,800	64,250	64,950	65,800	66,950
Local 3/	16,600	16,750	16,850	16,650	16,700
Agriculture, wage & salary	7,400	7,200	7,550	7,700	7,850
Labor disputes	-	-	50	-	-

NA Not available.

1/ Revised.

2/ Data beginning with 1994 are not directly comparable with data for earlier years.

3/ Data for 1995 are not directly comparable with data for earlier years.

Source: Hawaii State Department of Labor and Industrial Relations Internet site <http://www.hawaii.gov/workforce/ces.htm#jci>, accessed March 2, 2001.

Table 12.11-- EMPLOYMENT BY INDUSTRY: 1970 TO 1990

Industry	1970	1980	1990
Employed persons 16 years and over	285,556	415,181	529,059
Agriculture, forestry, and fisheries	13,161	14,560	16,509
Mining	322	233	323
Construction	26,637	29,888	42,071
Manufacturing	31,188	32,914	32,348
Nondurable goods	21,173	21,234	18,976
Durable goods	10,015	11,680	13,372
Transportation, communications, and other public utilities	26,403	36,478	46,953
Wholesale and retail trade	61,044	98,542	121,627
Finance, insurance, and real estate	14,356	31,648	39,506
Business and repair services	8,978	17,832	23,629
Personal services	20,301	31,288	43,721
Entertainment and recreation services	3,756	6,862	10,312
Professional and related services	48,310	73,363	109,110
Public administration	31,100	41,573	42,950

Source: U.S. Bureau of the Census, *1980 Census of Population, General Social and Economic Characteristics, Hawaii*, PC80-1-C13 (June 1983), table 61; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 26.

**Table 12.12-- JOBCOUNT BY INDUSTRY, BY COUNTIES:
ANNUAL AVERAGES, 1998 REVISED**

[Data rounded to nearest 50. Totals may not add due to rounding or residual categories]

Industry	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Nonagriculture, wage and salary	1/ 531,250	1/ 400,650	1/ 50,000	1/ 23,950	1/ 56,700
Construction, mining	1/ 21,650	1/ 16,600	1/ 2,100	1/ 900	2,050
Manufacturing	1/ 16,450	1/ 12,750	1,500	400	1,750
Durable goods	3,300	1/ 12,750	1/ 250	1/ (Z)	250
Nondurable goods	1/ 13,150	1/ 10,000	1/ 1,300	400	1,500
Food processing	1/ 6,500	1/ 4,200	1/ 950	200	1,150
Printing, publishing	1/ 3,050	1/ 2,500	200	100	250
Transp., commun., utilities	1/ 41,150	1/ 32,550	1/ 2,850	1/ 1,650	1/ 4,050
Transportation	1/ 31,000	1/ 24,600	1/ 1,950	1/ 1,300	1/ 3,150
Communication	1/ 6,750	5,650	400	(NS)	500
Utilities	1/ 3,400	1/ 2,300	500	(NS)	400
Trade	1/ 132,200	1/ 96,900	1/ 13,200	1/ 6,750	1/ 15,350
Wholesale	21,000	1/ 17,150	1/ 1,900	450	1,450
Retail	1/ 111,200	1/ 79,750	1/ 11,250	1/ 6,250	1/ 13,900
Finance, insur., real estate	35,500	1/ 28,500	1/ 2,700	1,250	1/ 3,050
Services and miscellaneous	1/ 172,200	1/ 123,300	1/ 17,100	9,000	1/ 22,800
Hotels	37,750	16,800	6,600	3,550	10,800
Health services	1/ 35,300	1/ 28,900	1/ 2,650	1,450	2,300
Government	112,200	90,000	10,550	1/ 4,050	1/ 7,650
Federal	30,400	28,650	900	350	500
Air Force	2,050	1,950	-	1/ (Z)	-
Army	4,900	4,800	100	-	-
Navy	9,100	8,950	-	150	-
State	64,950	49,850	7,350	2,550	5,200
Local	16,850	11,500	2,350	1,100	1,950
Agriculture, wage and salary	7,550	2,200	2,500	800	2,000
Labor disputes	50	(Z)	(Z)	(Z)	(Z)

NS Not shown separately.

Z Fewer than 50.

1/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations Internet site <http://www.hawaii.gov/workforce/ces.htm#jci>.

**Table 12.13-- JOBCOUNT BY INDUSTRY, BY COUNTIES:
ANNUAL AVERAGES, 1999**

[Data rounded to nearest 50. Totals may not add due to rounding or residual categories]

Industry	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Nonagriculture, wage and salary	535,050	401,450	50,900	24,500	58,150
Construction & mining	21,650	16,100	2,250	900	2,400
Manufacturing	16,550	12,850	1,550	450	1,750
Durable goods	3,400	2,850	250	50	300
Nondurable goods	13,150	10,000	1,350	400	1,450
Food processing	6,600	4,300	950	200	1,100
Printing & publishing	3,050	2,500	200	100	250
Transp., comm., & utilities	41,200	32,200	2,850	1,750	4,450
Transportation	31,250	24,450	1,950	1,400	3,500
Communication	6,600	5,550	400	(NS)	500
Utilities	3,350	2,200	500	(NS)	500
Trade	133,150	96,750	13,450	7,100	15,850
Wholesale	21,150	17,100	2,100	500	1,450
Retail	112,000	79,650	11,350	6,550	14,400
Finance, ins. & real estate	34,800	27,900	2,650	1,250	3,050
Services & miscellaneous	174,900	125,200	17,550	9,150	23,050
Hotels	37,100	16,200	6,450	3,600	10,900
Health services	35,800	29,100	2,900	1,500	2,300
Government	112,800	90,450	10,600	4,050	7,650
Federal	30,300	28,550	850	400	550
Air Force	2,050	2,000	(Z)	(Z)	-
Army	4,700	4,650	50	-	-
Navy	9,000	8,850	-	150	-
State	65,800	50,450	7,450	2,600	5,250
Local	16,650	11,450	2,250	1,050	1,900
Agriculture, wage & salary	7,700	2,200	2,450	900	2,150
Labor disputes	-	-	-	-	-

NS Not shown separately.

Z Fewer than 50.

Source: Hawaii State Department of Labor and Industrial Relations Internet site <http://www.hawaii.gov/workforce/ces.htm#jci>, accessed March 2, 2001.

**Table 12.14-- JOBCOUNT BY INDUSTRY, BY COUNTIES:
ANNUAL AVERAGES, 2000 PRELIMINARY**

[Data rounded to nearest 50. Totals may not add due to rounding or residual categories]

Industry	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Nonagriculture, wage and salary	551,500	412,300	53,350	25,450	60,450
Construction & mining	23,500	17,200	2,650	1,000	2,650
Manufacturing	17,200	13,350	1,600	500	1,750
Durable goods	3,650	3,100	200	50	300
Nondurable goods	13,550	10,250	1,400	450	1,450
Food processing	6,700	4,450	950	250	1,050
Printing & publishing	3,200	2,550	200	100	300
Transp., comm., & utilities	42,400	33,300	2,850	1,750	4,500
Transportation	32,500	25,500	2,050	1,450	3,500
Communication	6,500	5,550	350	(NS)	450
Utilities	3,400	2,250	450	(NS)	550
Trade	136,950	99,000	13,800	7,450	16,700
Wholesale	21,600	17,400	2,150	550	1,550
Retail	115,400	81,650	11,650	6,950	15,150
Finance, ins., & real estate	33,400	26,800	2,550	1,100	3,000
Services & miscellaneous	183,400	130,950	18,950	9,500	24,000
Hotels	38,450	16,500	6,800	3,700	11,450
Health services	36,700	29,750	3,100	1,450	2,400
Government	114,600	91,650	10,950	4,100	7,850
Federal	30,950	28,900	1,000	450	600
Air Force	2,100	2,000	(Z)	(Z)	-
Army	4,700	4,650	50	-	-
Navy	8,750	8,600	-	150	-
State	66,950	51,350	7,650	2,600	5,350
Local	16,700	11,450	2,300	1,050	1,900
Agriculture, wage & salary	7,850	2,250	2,650	950	1,950

NS Not shown separately.

Z Fewer than 50.

Source: Hawaii State Department of Labor and Industrial Relations Internet site <http://www.hawaii.gov/workforce/ces.htm#jci>, accessed March 2, 2001.

Table 12.15-- OCCUPATION: 1970 TO 1990

Occupation	1970	1980	1990
Employed persons 16 years and over	285,556	415,181	529,059
Managerial and professional specialty occupations	58,242	97,606	139,523
Executive, administrative, and managerial occupations	25,048	48,671	67,907
Professional specialty occupations	33,194	48,935	71,616
Technical, sales, and administrative support occupations	83,698	132,651	172,654
Technicians and related support occupations	7,442	11,982	18,404
Sales occupations	28,227	47,475	66,596
Administrative support occupations, including clerical	48,029	73,194	87,654
Service occupations	44,024	74,149	92,882
Private household occupations	2,131	1,547	1,075
Protective service occupations	4,304	7,578	10,956
Service occupations, except protective and household	37,589	65,024	80,851
Farming, forestry, and fishing occupations	12,572	14,154	15,328
Precision production, craft, and repair occupations	43,484	48,198	55,518
Operators, fabricators, and laborers	43,536	48,423	53,154
Machine operators, assemblers, and inspectors	13,589	14,000	15,380
Transportation and material moving occupations	13,767	16,430	18,796
Handlers, equipment cleaners, helpers, and laborers	16,180	17,993	18,978

Source: U.S. Bureau of the Census, *1980 Census of Population, General Social and Economic Characteristics, Hawaii*, PC80-1-C-13 (June 1983), table 61; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 25.

Table 12.16-- EMPLOYMENT BY CLASS OF WORKER: 1940 TO 1990

[Persons 14 years and over through 1960; 16 years and over, 1970 to 1990]

Year	All employed civilians	Private wage and salary workers	Government workers	Self-employed workers	Unpaid family workers
1940	153,796	113,551	18,553	15,967	5,725
1950	167,571	111,036	34,400	19,192	2,943
1960	209,370	144,602	46,078	17,009	1,681
1970	285,556	200,912	70,547	12,832	1,265
1980	415,181	300,315	90,401	22,965	1,500
1990	529,059	385,061	107,777	34,291	1,930

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960, General Social and Economic Characteristics, Hawaii*, Final Report PC (1)-13C (February 1962), table 56; *1970 Census of Population, General Social and Economic Characteristics, Hawaii*, PC(1)-C13 (December 1971), table 56; *1980 Census of Population, General Social and Economic Characteristics, Hawaii*, PC80-1-C-13 (June 1983), table 67; *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 27.

Table 12.17-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME, WAGE AND SALARY, AND SELF EMPLOYED: 1969-1999

Year	Full- and part-time	Wage and salary	Self-employed	Percent self-employed
1969	346,310	299,298	47,012	13.6
1970	364,607	316,233	48,374	13.3
1971	371,245	323,523	47,722	12.9
1972	386,611	333,745	52,866	13.7
1973	402,546	347,977	54,569	13.6
1974	414,329	355,015	59,314	14.3
1975	427,051	362,291	64,760	15.2
1976	435,620	371,588	64,032	14.7
1977	442,859	382,541	60,318	13.6
1978	460,295	402,179	58,116	12.6
1979	491,161	423,103	68,058	13.9
1980	508,707	432,908	75,799	14.9
1981	506,139	434,912	71,227	14.1
1982	505,718	431,051	74,667	14.8
1983	512,944	437,971	74,973	14.6
1984	516,758	443,095	73,663	14.3
1985	532,650	456,309	76,341	14.3
1986	548,101	467,528	80,573	14.7
1987	578,300	490,174	88,153	15.2
1988	605,118	506,804	98,314	16.2
1989	633,991	534,742	99,249	15.7
1990	663,462	558,033	105,429	15.9
1991	684,392	568,388	116,004	16.9
1992	687,161	575,025	112,136	16.3
1993	658,350	569,150	116,200	17.0
1994	682,559	564,731	117,828	17.3
1995	683,030	560,679	122,351	17.9
1996	684,424	558,883	125,541	18.3
1997	685,711	559,025	126,686	18.5
1998	689,765	559,419	130,346	18.9
1999	696,574	563,144	133,430	19.2

Source: U.S. Bureau of Economic Analysis, State Personal Income 1929-99, November 2000.

**Table 12.18-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME:
ANNUAL AVERAGES, 1997 AND 1998**

[Thousands]

Year, sex, and age	Full- and part-time	Full-time	Part-time			
			Total	Economic reasons	Non-economic reasons	Not at work
1997						
Total	555	439	116	24	84	7
Male	278	241	37	10	25	2
Female	275	197	78	14	58	5
16 to 19 years (both sexes)	20	5	15	2	12	1
1998						
Total	560	450	110	23	78	9
Male	277	242	35	9	22	3
Female	282	207	75	13	56	6
16 to 19 years (both sexes)	16	3	13	2	10	1

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, 1997 (Bulletin 2515, June 1999), table 13, and *Geographic Profile of Employment and Unemployment*, 1998 (Bulletin 2524, November 1999), table 13 and <<http://stats.bls.gov/opub/gp/gpsec2.htm>> and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.19-- OCCUPATION OF EMPLOYED CIVILIANS IN PERCENT, BY SEX:
ANNUAL AVERAGES, 1997 AND 1998**

Occupation	Both sexes	Men	Women
1997			
All occupations (number in thousands)	554	279	275
Percent	100.0	100.0	100.0
Managerial and professional specialty			
Executive, administrative, and managerial	13.5	13.7	13.4
Professional specialty	13.2	11.4	15.0
Technical, sales, and administrative support			
Technicians and related support	2.4	2.6	2.2
Sales	13.3	9.7	16.9
Administrative support, including clerical	15.9	6.8	25.2
Service occupations	20.4	19.5	21.2
Precision production, craft, and repair	9.3	17.2	1.4
Operators, fabricators, and laborers			
Machine operators, assemblers, and inspectors	2.2	2.1	2.4
Transportation and material moving	3.3	6.3	0.3
Handlers, equipment cleaners, helpers, and laborers	2.9	5.2	0.7
Farming, forestry, and fishing	3.4	5.6	1.2
1998			
All occupations (number in thousands)	560	277	282
Percent	100.0	100.0	100.0
Managerial and professional specialty			
Executive, administrative, and managerial	12.9	14.1	11.3
Professional specialty	13.2	11.6	14.9
Technical, sales, and administrative support			
Technicians and related support	2.5	2.5	2.5
Sales	13.8	10.8	16.3
Administrative support, including clerical	16.1	5.1	27.0
Service occupations	19.6	18.1	21.3
Precision production, craft, and repair	8.6	16.2	1.4
Operators, fabricators, and laborers			
Machine operators, assemblers, and inspectors	2.7	3.2	2.1
Transportation and material moving	2.7	5.1	0.7
Handlers, equipment cleaners, helpers, and laborers	3.4	6.1	0.7
Farming, forestry, and fishing	4.5	7.2	1.8

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, 1997 (Bulletin 2515, June 1999), table 15, and *Geographic Profile of Employment and Unemployment*, 1998 (Bulletin 2524, November 1999), table 15 and <<http://stats.bls.gov/opub/gp/gpsec2.htm>>.

Table 12.20-- MULTIPLE JOBHOLDERS, NUMBERS AND PERCENT OF EMPLOYED: ANNUAL AVERAGES FOR 1997 TO 2000

Subject	1997	1998	1999	2000
Employed, 16 years and over	556,700	557,200	559,600	569,900
Multiple jobholders	48,400	49,000	54,800	(NA)
Percent of employed	8.7	8.8	9.8	(NA)
Rank (50 States and D.C.) 1/	12	9	4	(NA)
U.S.: percent multiple jobholders	6.1	6.0	5.8	5.6

NA Not available.

1/ Rank of 1 for highest number of multiple jobholders.

Source: Unpublished data from Current Population Survey microdata, supplied by the U.S. Bureau of Labor Statistics, and the Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office.

Table 12.21-- WORKERS 16 YEARS AND OVER, BY PLACE OF RESIDENCE AND PLACE OF WORK, FOR OAHU: 1990

Place of work	Place of residence		
	Oahu	Honolulu CDP 1/	Remainder of Oahu 1/
Total	437,518	193,364	244,154
Oahu	432,293	191,982	240,311
Honolulu CDP 1/	277,583	171,387	106,196
Remainder of Oahu 1/	154,710	20,595	134,115
Remainder of State	1,610	550	1,060
Out of State	3,615	832	2,783

1/ Not corrected for erroneous omission of Aliamanu and Fort Shafter from Honolulu CDP in census tabulations. Honolulu CDP is coterminous with Honolulu District and Honolulu Census County Division.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Population and Housing Characteristics for Census Tracts and Block Numbering Areas, Honolulu, HI MSA*, 1990 CPH-3-174 (May 1993), table 17.

**Table 12.22-- EMPLOYMENT AND PAYROLLS COVERED BY THE HAWAII
EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION
FOR FEDERAL EMPLOYEES: 1989 TO 1999**

Year	Number of reporting units, December 1/	Average employment	Wages and salaries	
			Total (\$1,000)	Per worker (dollars)
INCLUDING GOVERNMENT				
1989	26,149	510,232	11,038,771	21,635
1990	27,277	534,432	12,350,266	23,109
1991	29,688	543,397	13,069,372	24,051
1992	30,496	547,883	13,988,506	25,532
1993	30,944	542,481	14,399,646	26,544
1994	31,031	539,559	14,426,932	26,718
1995	30,479	535,750	14,456,304	26,983
1996	31,254	533,310	14,591,094	27,359
1997	31,188	534,050	15,143,623	28,356
1998	31,259	534,140	15,505,321	29,029
1999	31,263	537,678	16,016,370	29,788
EXCLUDING GOVERNMENT				
1991	29,682	439,337	10,183,763	23,180
1992	30,490	440,881	10,837,155	24,581
1993	30,938	434,931	11,013,510	25,322
1994	31,025	431,500	11,066,502	25,647
1995	30,473	428,058	11,099,619	25,930
1996	31,248	426,936	11,256,765	26,366
1997	31,182	426,887	11,516,562	26,978
1998	31,253	426,255	11,790,625	27,661
1999	31,257	429,179	12,083,701	28,155
PRIVATE NON-AGRICULTURAL				
1991	29,031	427,001	9,933,990	23,265
1992	29,823	429,022	10,584,046	24,670
1993	30,254	423,006	10,741,597	25,393
1994	30,330	420,136	10,814,225	25,740
1995	29,774	417,728	10,865,476	26,011
1996	30,548	416,873	11,032,864	26,466
1997	30,467	416,773	11,285,401	27,078
1998	30,531	415,620	11,547,237	27,783
1999	30,516	418,402	11,830,068	28,274

1/ Beginning in 1986, includes employers reporting 1 or more employees at any time during the year, even if they reported no employees for December. Beginning in 1991, data were collected at the establishment (rather than county) level.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) and records.

**Table 12.23-- EMPLOYMENT AND PAYROLLS COVERED BY THE HAWAII
EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION
FOR FEDERAL EMPLOYEES, BY COUNTIES: 1999**

County	Number of employers, December	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
INCLUDING GOVERNMENT				
State total	31,263	537,678	16,016,370	29,788
City and County of Honolulu	21,814	399,732	12,387,796	30,990
Hawaii County	3,811	52,606	1,364,291	25,934
Kauai County	1,775	25,448	652,363	25,635
Maui County	3,869	59,892	1,611,920	26,914
EXCLUDING GOVERNMENT				
State total	31,257	429,179	12,083,701	28,155
City and County of Honolulu	21,811	313,270	9,245,407	29,513
Hawaii County	3,808	42,269	998,249	23,617
Kauai County	1,772	21,455	506,846	23,624
Maui County	3,866	52,186	1,333,200	25,547

Source: Hawaii State Department of Labor and Industrial Relations, *1999 Employment and Payrolls in Hawaii* (October 2000).

**Table 12.24-- EMPLOYMENT AND PAYROLLS COVERED BY THE HAWAII
EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION
FOR FEDERAL EMPLOYEES, BY INDUSTRY: 1999**

Industry	Number of reporting units, Dec.	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
All industries	31,263	537,678	16,016,370	29,788
Government	6	108,499	3,932,669	36,246
Federal	1	30,282	1,287,989	42,533
State	1	61,228	1,986,356	32,442
County	4	16,989	658,324	38,750
Private	31,257	429,179	12,083,701	28,155
Agriculture, forestry, fisheries	741	10,777	253,634	23,535
Mining	13	266	13,934	52,385
Construction	2,527	21,334	930,678	43,624
Manufacturing	1,014	16,476	528,230	32,061
Food processing	249	6,506	171,921	26,425
Other manufacturing	765	9,970	356,309	35,738
Transportation	1,372	31,191	1,039,705	33,333
Communications	180	6,586	307,513	46,692
Utilities	105	3,318	197,307	59,466
Wholesale trade	2,523	21,083	720,419	34,171
Retail trade	7,129	112,027	1,987,357	17,740
Eating and drinking places	2,629	48,503	654,331	13,491
Other retail trade	4,500	63,524	1,333,026	20,985
Finance, insurance, real estate	3,855	34,895	1,295,217	37,118
Services	11,546	171,002	4,800,403	28,072
Hotels, rooming houses, etc.	341	37,069	992,717	26,780
Health services	2,400	35,691	1,388,260	38,897
Other services	8,805	98,242	2,419,426	24,627
Nonclassifiable establishments	252	225	9,303	41,349

Source: Hawaii State Department of Labor and Industrial Relations, *1999 Employment and Payrolls in Hawaii* (October 2000).

**Table 12.25-- AVERAGE ANNUAL WAGE FOR EMPLOYEES COVERED BY
THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT
COMPENSATION FOR FEDERAL EMPLOYEES, IN CURRENT AND
CONSTANT DOLLARS: 1969 TO 1999**

[Including government]

Year	Current dollars	1982-1984 dollars 1/	Year	Current dollars	1982-1984 dollars 1/
1969	6,876	17,452	1984	16,714	16,149
1970	7,424	17,889	1985	17,335	16,231
1971	7,677	17,771	1986	18,069	16,516
1972	7,989	17,913	1987	19,060	16,588
1973	8,479	18,195	1988	20,454	16,807
1974	9,087	17,645	1989	21,635	16,810
1975	9,767	17,348			
			1990	23,109	16,734
1976	10,347	17,508	1991	24,051	16,251
1977	10,903	17,557	1992	25,532	16,462
1978	11,630	17,384	1993	26,544	16,580
1979	12,429	16,728	1994	26,718	16,242
1980	13,548	16,323	1995	26,983	16,052
1981	14,471	15,781	1996	27,359	16,028
1982	15,367	15,810	1997	28,356	16,496
1983	16,115	16,229	1998	29,029	16,927
			1999	29,788	17,189

1/ Deflated by the all-items consumer price index (CPI-U) for Honolulu.

Source: Computed by the Hawaii State Department of Business, Economic Development & Tourism, data from the Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual), and U.S. Bureau of Labor Statistics, semi-annual releases.

Table 12.26-- AVERAGE ANNUAL WAGE FOR EMPLOYEES COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, IN CURRENT AND CONSTANT DOLLARS, BY CLASS OF WORKER: 1989 AND 1999

Class of worker	1989: current dollars	1999		Percent change, 1989-1999	
		Current dollars	Deflated to 1989 current dollars 1/	Current dollars	1989 dollars 2/
All classes	21,641	29,788	22,123	37.7	2.2
Federal	28,684	42,533	31,588	48.3	10.1
State	23,670	32,442	24,094	37.1	1.8
County	26,222	38,750	28,778	47.8	9.8
Private	20,664	28,155	20,910	36.3	1.2

1/ The all-items consumer price index (CPI-U) for Honolulu increased 34.7 percent from 1989 to 1999.

2/ Percent change from 1989 current dollars to 1999 current dollars that were deflated to 1989 current dollars.

Source: Computed by the Hawaii State Department of Business, Economic Development & Tourism, from the Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual), and U.S. Bureau of Labor Statistics, semi-annual CPI reports.

Table 12.27-- NONGOVERNMENTAL REPORTING UNITS AND EMPLOYMENT, BY SIZE OF FIRM: DECEMBER 1999

Subject	All units	Employment-size class					
		0 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 or more
Reporting units	31,271	16,873	6,137	4,077	2,623	935	626
Employment	441,622	29,399	40,555	54,892	78,551	63,677	174,548

Source: Hawaii State Department of Labor and Industrial Relations, *1999 Employment and Payrolls in Hawaii* (October 2000).

**Table 12.28-- ANNUAL WAGES PER EMPLOYEE, TOTAL AND PRIVATE
INDUSTRY: 1988 TO 1999**

[Based on data submitted by employers subject to State unemployment insurance (UI) laws, and
by Federal agencies subject to the Unemployment Compensation for Federal Employees
(UCFE) program]

Year	Annual wages per employee (dollars)		Hawaii as percent of U.S		Rank 1/	
	Total	Private only	Total	Private only	Total	Private only
1988	20,444	19,437	93.5	89.8	22	27
1989	21,624	20,646	95.8	92.7	18	24
1990	23,167	22,244	98.2	95.6	13	18
1991	24,104	23,176	98.1	95.9	13	19
1992	25,613	24,585	98.9	96.2	13	19
1993	26,325	25,312	99.9	97.6	12	16
1994	26,746	25,647	99.3	96.8	13	17
1995	26,977	25,913	96.9	94.4	16	21
1996	27,352	26,371	94.4	92.3	22	23
1997	28,358	26,980	93.5	89.8	2/ 24	2/ 28
1998	29,029	27,662	91.0	87.2	3/ 25	3/ 29
1999	29,771	28,135	89.4	84.7	4/ 26	4/ 31

1/ From highest to lowest annual wages.

2/ Among 50 States and D.C. Excluding D.C., Hawaii ranked 23rd for all workers and 27th for private workers in 1997.

3/ Among 49 States and D.C., no data available for New Jersey. Excluding New Jersey and D.C., Hawaii ranked 24th for all workers and 28th for private workers in 1998.

4/ Among 49 States and D.C., no data available for New Jersey. Excluding New Jersey and D.C., Hawaii ranked 25th for all workers and 30th for private workers in 1999.

Source: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages* (annual report), tables 3 and 5.

**Table 12.29-- HOURS AND EARNINGS IN SPECIFIED INDUSTRIES:
ANNUAL AVERAGES, 1995 TO 2000**

Subject	1995	1996	1997	1998	1999	2000
Average weekly earnings (dollars)						
Construction and mining	922.27	936.21	957.29	964.40	1/ 984.25	1,066.34
Manufacturing	480.75	487.30	496.87	490.87	1/ 530.16	520.11
Food and kindred products	382.69	423.71	427.93	403.90	454.85	431.16
Communication and utilities	845.04	863.59	884.38	870.70	1/ 898.84	949.70
Trade	288.76	293.78	303.39	1/ 306.90	302.23	296.11
Wholesale trade	469.94	445.94	467.87	498.71	524.10	491.10
Retail trade	257.50	267.33	273.83	273.31	262.43	261.33
Eating, drinking places	184.06	185.67	186.21	189.47	177.28	187.75
Banking & credit agencies	414.32	412.91	434.28	456.74	469.94	487.92
Hotels	406.90	411.40	422.73	433.90	437.16	442.62
Average weekly hours						
Construction and mining	36.70	36.4	35.80	35.6	35.70	37.6
Manufacturing	37.50	38.1	37.90	37.3	39.30	38.3
Food and kindred products	35.90	37.2	35.90	34.2	36.80	35.9
Communication and utilities	42.00	41.8	42.60	41.7	42.10	41.8
Trade	30.30	30.1	30.40	30.6	29.40	29.7
Wholesale trade	38.30	37.1	37.40	38.6	38.20	38.7
Retail trade	28.90	28.9	29.10	29.2	27.80	28.1
Eating, drinking places	25.60	25.4	25.30	25.5	23.70	24.9
Banking & credit agencies	37.70	39.4	40.10	41.0	38.30	38.0
Hotels	34.60	34.0	33.90	34.3	34.10	34.1
Average hourly earnings (dollars)						
Construction and mining	25.13	25.72	26.74	27.09	1/ 27.57	28.36
Manufacturing	12.82	12.79	13.11	13.16	1/ 13.49	13.58
Food and kindred products	10.66	11.39	11.92	11.81	12.36	12.01
Communication and utilities	20.12	20.66	20.76	20.88	1/ 21.35	22.72
Trade	9.53	9.76	9.98	10.03	10.28	9.97
Wholesale trade	12.27	12.02	12.51	12.92	13.72	12.69
Retail trade	8.91	9.25	9.41	9.36	9.44	9.30
Eating, drinking places	7.19	7.31	7.36	7.43	7.48	7.54
Banking & credit agencies	10.99	10.48	10.83	11.14	12.27	12.84
Hotels	11.76	12.10	12.47	12.65	12.82	12.98

1/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book, May 1999*, pp. 12-15, and Internet site <http://www.hawaii.gov/dlir/rs/loihi>.

Table 12.30-- AVERAGE PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY: 1997 TO 2000

[In dollars]

Job classification 1/	1997	1998	1999	2000
ANNUAL RATES				
Clerk, entry level	18,833	18,836	20,256	20,754
Cashier	25,503	26,755	26,513	27,733
Secretary	28,020	28,514	28,983	30,710
Switchboard operator	24,503	24,237	25,418	24,398
Bookkeeper, full-charge	32,137	33,466	31,590	33,331
Engineering drafting technician	35,298	39,103	40,615	39,360
HOURLY RATES				
Housekeeper	11.07	11.07	11.54	11.53
Cook, general	13.24	13.48	15.00	14.59
Wait help	6.03	5.96	5.93	6.02
Laborer, light	9.38	8.98	9.46	9.30
Carpenter, maintenance	16.01	16.36	20.20	18.39
Electrician, maintenance	19.73	21.86	22.90	21.56
Automotive mechanic	16.04	16.58	16.78	18.21
Truck driver (trailer)	13.65	14.12	14.17	13.56

1/ The 14 job titles with data for 2000 are meant to be only illustrative of the 79 reported in the 2000 publication.

Source: Hawaii Employers Council, *Pay Rates in Hawaii* (annual).

**Table 12.31-- AVERAGE PAY RATES FOR SELECTED JOB CLASSIFICATIONS
IN PRIVATE INDUSTRY, BY COUNTIES OR ISLANDS: 2000**

[In dollars]

Job classification 1/	State average	Kauai	Oahu	Maui County	Hawaii County
ANNUAL RATES					
Clerk, entry level	20,754	...	20,725	...	20,868
Cashier	27,733	...	28,384	...	...
Secretary	30,710	28,099	31,143	29,891	27,102
Switchboard operator	24,398	23,126	24,493	...	...
Bookkeeper, full-charge	33,331	...	34,120	...	31,807
Engineering drafting technician	39,360	...	...	...	...
HOURLY RATES					
Housekeeper	11.53	10.95	11.67	...	...
Cook, general	14.59	...	15.36	...	11.21
Wait help	6.02	...	6.06	...	...
Laborer, light	9.30	...	8.99	...	...
Carpenter, maintenance	18.39	...	18.52	...	...
Electrician, maintenance	21.56	...	22.51	...	...
Automotive mechanic	18.21	15.52	18.32	18.90	17.97
Truck driver (trailer)	13.56	...	13.53	...	...

... Base too small for reliable computation.

1/ The 14 job titles with data are meant to be only illustrative of the 79 reported.

Source: Hawaii Employers Council, *Pay Rates in Hawaii* (Research Report Number 3857, November 2000).

Table 12.32-- WAGES OF HAWAII'S 25 LARGEST OCCUPATIONS: 1999

SOC Code	Occupation Title	Employment	Mean Wage	
			Hourly	Annual 1/
41-2031	Retail Salespersons 2/	21,330	8.99	18,700
35-3031	Waiters and Waitresses 2/	15,470	7.08	14,720
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food 2/	14,260	6.71	13,960
41-2011	Cashiers 2/	13,310	8.85	18,410
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners 2/	12,640	8.81	18,320
43-9061	Office Clerks, General	12,130	11.47	23,860
37-2012	Maids and Housekeeping Cleaners 2/	9,900	10.96	22,790
11-1021	General and Operations Managers	9,000	31.37	65,250
33-9032	Security Guards 2/	8,590	9.09	18,910
43-4051	Customer Service Representatives	8,500	12.32	25,630
29-1111	Registered Nurses 2/	8,450	27.37	56,930
25-2031	Secondary School Teachers, Except Special and Vocational Education	8,320	(NA)	43,470
37-3011	Landscaping and Groundskeeping Workers	7,190	10.67	22,200
43-3031	Bookkeeping, Accounting, and Auditing Clerks 2/	6,860	12.89	26,800
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	6,310	15.60	32,450
43-5081	Stock Clerks and Order Fillers 2/	6,010	10.25	21,310
35-2014	Cooks, Restaurant 2/	6,000	10.60	22,040
49-9042	Maintenance and Repair Workers, General 2/	5,940	14.32	29,780
43-6014	Secretaries, Except Legal, Medical, and Executive	5,770	13.82	28,740
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers 2/	5,490	18.23	37,920
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	5,440	12.27	25,510
53-7064	Packers and Packagers, Hand 2/	5,010	8.35	17,360
31-9092	Medical Assistants	4,660	12.20	25,370
35-2021	Food Preparation Workers	4,390	9.79	20,360
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products 2/	4,360	16.72	34,780

NA Not available.

1/ Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published.

2/ Wage rates are calculated using three years of data: 1997, 1998, and 1999.

Source: Occupational Employment Statistics, Bureau of Labor Statistics, last modified: March 1, 2001, http://stats.bls.gov/oes/1999/oes_hi.htm

**Table 12.33-- WAGES OF HONOLULU METROPOLITAN STATISTICAL AREA'S
25 LARGEST OCCUPATIONS: 1999**

SOC Code	Occupation Title	Employment	Mean Wage	
			Hourly	Annual 1/
41-2031	Retail Salespersons 2/	16,630	9.02	18,770
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food 2/	13,260	6.56	13,640
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners 2/	9,190	8.72	18,140
35-3031	Waiters and Waitresses 2/	8,710	6.98	14,520
41-2011	Cashiers 2/	8,290	9.10	18,920
43-4051	Customer Service Representatives	7,580	12.34	25,670
43-9061	Office Clerks, General	7,330	11.07	23,030
11-1021	General and Operations Managers	6,590	32.15	66,880
29-1111	Registered Nurses 2/	6,410	28.27	58,790
33-9032	Security Guards 2/	6,200	8.67	18,040
43-3031	Bookkeeping, Accounting, and Auditing Clerks 2/	5,200	13.12	27,290
37-2012	Maids and Housekeeping Cleaners 2/	4,880	10.82	22,510
25-2031	Secondary School Teachers, Except Special and Vocational Education	4,610	(NA)	48,550
43-5081	Stock Clerks and Order Fillers 2/	4,560	10.56	21,960
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	4,550	15.84	32,940
43-6014	Secretaries, Except Legal, Medical and Executive	4,430	13.91	28,940
37-3011	Landscaping and Groundskeeping Workers	4,330	10.32	21,480
49-9042	Maintenance and Repair Workers, General 2/	4,240	14.36	29,860
53-7064	Packers and Packagers, Hand 2/	4,030	8.56	17,810
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4,000	12.61	26,230
31-9092	Medical Assistants	3,910	12.52	26,050
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers 2/	3,620	18.99	39,490
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products 2/	3,450	17.11	35,590
35-2014	Cooks, Restaurant 2/	3,330	10.08	20,970
43-6011	Executive Secretaries and Administrative Assistants	3,180	15.99	33,260

NA Not available

1/ Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published.

2/ Wage rates are calculated using three years of data: 1997, 1998, and 1999.

Source: Occupational Employment Statistics, Bureau of Labor Statistics, last modified: March 1, 2001, http://stats.bls.gov/oes/1999/oes_3320.htm

Table 12.34-- TOTAL COMPENSATION OF CHIEF EXECUTIVE OFFICERS OF PUBLICLY TRADED HAWAII COMPANIES: 1999 AND 2000

Total compensation 1/	1999	2000
All CEOs	14	15
Less than \$100,000	-	-
\$100,000 to \$249,999	1	2
\$250,000 to \$499,999	7	6
\$500,000 to \$999,999	3	3
\$1,000,000 to \$2,499,999	3	3
\$2,500,000 or more	-	1
Highest (\$1,000)	1,977	3,675
Average (\$1,000)	690	874

1/ Includes salary, bonus, stock awards, payments under the companies' long-term incentive plans, and other compensation.

Source: *Honolulu Star-Bulletin*, May 13, 2001, pp. B13, B21.

Table 12.35-- MINIMUM WAGE CHRONOLOGY: 1942 TO 2000

[Dollars per hour. As of July 1, unless otherwise specified]

Effective date	Oahu	Other islands	Effective date	State	Effective date	State
1942 1/	0.25	0.20	1962	1.15	1979	2.90
1943	0.30	0.25	1964 2/	1.25	1980	3.10
1945	0.40	0.40	1969	1.40	1981	3.35
1953	0.65	0.55	1970	1.60	1988 2/	3.85
1955	0.75	0.65	1974	2.00	1992 3/	4.75
1957	0.90	0.85	1975	2.40	1993 2/ 4/	5.25
1958	1.00	1.00	1978	2.65		

1/ At inception of minimum wage law, April 1, 1942.

2/ January 1.

3/ April 1.

4/ Current minimum as of March 2001.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, records.

**Table 12.36-- SALARIES OF LEADERS OF LARGE LABOR UNIONS:
1999 AND 2000**

[Gross salary during fiscal year]

Salary	1999	2000
All leaders	12	11
Less than \$75,000	2	3
\$75,000 to \$99,999	4	2
\$100,000 to \$149,999	4	4
\$150,000 or more	2	1
Not available	-	1
Highest (dollars)	360,626	187,030
Median (dollars)	102,223	98,197

Source: Frank Cho, "Top Scale," *The Honolulu Advertiser*, June 17, 2001, p. G1.

**Table 12.37-- NUMBER OF PERSONS AT WORK BY WEEKLY HOURS OF
WORK: ANNUAL AVERAGES, 1994 TO 1998**

[In thousands]

Weekly hours at work	1994	1995	1996	1997	1998 1/
Total	519	518	528	528	532
1 to 14 hours	29	29	30	26	25
15 to 29 hours	67	67	77	80	75
30 to 34 hours	41	50	45	49	59
35 to 39 hours	28	26	27	28	28
40 hours	221	218	223	221	217
41 to 48 hours	46	41	37	37	42
49 hours and over	87	88	88	87	87

1/ Average hours at work is 38.3 and for persons who usually work full-time is 42.4 hours per week.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1997*, Bulletin 2515 (June 1999), table 18; *1998*, Bulletin 2524 (November 1999), table 18, and <<http://stats.bls.gov/opub/gp/gpappend.htm>> and earlier reports.

Table 12.38-- INTERSTATE MOVEMENT OF JOB-SEEKERS: 1949 TO 2000

Year	Island workers on Mainland 1/	Mainland workers in Hawaii 2/	Ratio 3/	Year	Island workers on Mainland 1/	Mainland workers in Hawaii 2/	Ratio 3/
1949	1,030	711	69	1975	7,607	8,785	115
1950	966	1,105	114	1976	7,458	8,334	112
1951	377	1,139	302	1977	5,846	8,154	139
1952	455	1,667	366	1978	4,313	6,261	145
1953	576	1,775	308				
1954	907	1,698	187	1979	4,272	5,250	123
1955	665	1,812	272	1980	5,211	4,956	95
1956	686	1,617	236	1981	5,485	4,396	80
1957	1,100	1,813	165	1982	5,372	4,848	90
1958	1,547	2,219	143	1983	4,414	4,659	106
				1984	4,123	4,220	102
1959	1,280	2,126	166	1985	4,039	3,993	99
1960	1,716	2,595	151	1986	3,664	3,932	107
1961	2,863	3,235	113	1987	3,805	3,161	83
1962	2,966	3,594	121	1988	3,942	2,974	75
1963	2,683	3,787	141				
1964	2,572	3,705	144	1989	3,961	2,679	68
1965	2,257	3,411	151	1990	5,275	2,910	55
1966	1,859	2,655	143	1991	7,197	3,453	48
1967	2,196	3,102	141	1992	9,554	4,432	46
1968	2,014	2,896	144	1993	9,543	4,356	46
				1994	10,121	4,229	42
1969	2,652	3,600	136	1995	10,115	4,000	40
1970	5,078	6,062	119	1996	8,633	3,338	39
1971	6,215	6,908	111	1997	7,051	2,044	29
1972	6,124	5,994	98	1998	4,366	1,502	34
1973	5,255	6,116	116				
1974	5,924	6,988	118	1999	3,511	1,098	31
				2000	2,845	903	32

1/ Interstate liable initial claims, State Unemployment Insurance Program (UI), excluding Federal Unemployment Compensation for Federal Employees program (UCFE) and Federal Unemployment Compensation for Ex-Service members program (UCX). Covers Hawaii workers seeking work and filing for benefits on the Mainland.

2/ Interstate agent initial claims (UI), excluding UCFE and UCX. Covers Mainland workers filing claims for unemployment insurance and registered for work with the Hawaii State Employment Service.

3/ Interstate agent initial claims as a percent of interstate liable initial claims. Ratios under 100 suggest a net out-migration of workers.

Source: Hawaii State Department of Labor and Industrial Relations, *State of Hawaii Unemployment Insurance Fact Book, 2000*, p. 15, and records.

**Table 12.39-- NONFATAL OCCUPATIONAL INJURIES AND ILLNESSES,
PRIVATE SECTOR: 1995 TO 1999**

[Data include the following private industries: agriculture, forestry and fishing with more than 10 employees; oil and gas extraction; construction; manufacturing; transportation and public utilities; wholesale and retail trades; finance, insurance and real estate]

	Recordable cases	Per 100 full-time workers	Lost workday cases	Per 100 full-time workers	Nonfatal cases without lost workdays
Injuries and illnesses					
1995	27,100	8.0	13,900	4.1	13,100
1996	23,000	6.8	12,100	3.6	10,800
1997	23,500	6.8	12,800	3.7	10,700
1998	21,200	6.5	12,100	3.7	9,100
1999	20,500	6.0	11,400	3.4	9,100
Injuries					
1995	26,200	7.7	13,400	4.0	12,800
1996	21,900	6.5	11,600	3.4	10,300
1997	22,700	6.6	12,400	3.6	10,300
1998	20,400	6.3	11,700	3.6	8,700
1999	19,700	5.8	11,000	3.2	8,700

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, *1996 Occupational Injuries and Illnesses Survey*, p. 4.; and for 1996 to 1998, U.S. Bureau of Labor Statistics & Health Statistics, "State Occupational Injuries and Illnesses" at <http://stats.bls.gov/oshstate.htm>, accessed May 10, 2001.

**Table 12.40-- WORK INJURIES, DEATHS, TIME LOST AND
COMPENSATION COSTS: 1990 TO 1999**

Year	Reported cases	Reported deaths	Time lost (compensated days)	Compensation costs (\$1,000)
1990	53,050	59	1,434,262	218,837
1991	56,738	51	1,636,375	234,971
1992	49,204	42	1,832,901	288,003
1993	46,762	33	1,957,217	323,763
1994	42,658	41	1,821,164	343,080
1995	37,476	26	1,571,539	326,123
1996	33,628	29	1,371,739	288,495
1997	33,255	30	1,258,468	254,915
1998	30,727	17	1,160,365	233,225
1999	30,309	26	1,108,149	222,056

Source: Hawaii State Department of Labor and Industrial Relations, *Workers' Compensation Data Book* (annual).

Table 12.41-- UNION MEMBERSHIP AND EARNINGS, 1988, 1993, AND 1998, AND BY SECTOR, 1998

Subject	1988	1993	1998		
			Total	Private sector workers	Public sector workers
Sample size	1,842	1,727	1,514	1,199	315
Employment (1,000)	441.5	490.7	491.8	390.4	101.4
Percent union members	30.5	28.1	1/ 26.5	19.4	53.7
Percent covered by collective bargaining agreement	32.9	31.3	2/ 27.7	20.1	57.3
Mean earnings (1996 dollars):					
Weekly	584	588	3/ 545	527	615
Hourly	14.69	15.11	14.02	13.70	15.25
Union workers:					
Employment (1,000)	134.5	137.8	130.2	75.7	54.5
Mean earnings (1996 dollars):					
Weekly	663	685	664	643	693
Hourly	16.59	17.09	16.75	16.91	16.53
Nonunion workers:					
Employment (1,000)	307.0	352.9	361.6	314.7	46.9
Mean earnings (1996 dollars):					
Weekly	549	551	503	500	523
Hourly	13.86	14.33	13.04	12.93	13.77

1/ The U.S. percentage was 13.9. Hawaii ranked 1st among the 50 states.

2/ The U.S. percentage was 15.4. Hawaii ranked 1st among the 50 states.

3/ The U.S. mean was \$577. Hawaii ranked 26th among the 50 states.

Source: Barry T. Hirsch and David A. Macpherson, *Union Membership and Earnings Data Book: Compilations from the Current Population Survey (1999 Edition)*, The Bureau of National Affairs, Inc., 1999, tables 5a, 5b, and 5c.

Table 12.42-- LABOR UNION MEMBERSHIP: 1983 AND 1999

[Annual averages of monthly figures. For wage and salary workers. Based on the Current Population Survey]

Subject	1983	1999
Union members (1,000)	112.6	114.5
Workers covered by unions (1,000)	124.9	123.6
Percent of workers		
Union members	29.2	23.2
Covered by unions	32.4	25.0
Private manufacturing sector union members	35.6	24.8

Source: *Statistical Abstract of the United States: 2000*, p. 446.

**Table 12.43-- LABOR UNIONS AND EMPLOYEE ASSOCIATIONS:
1998 AND 1999**

Subject	Total	AFL-CIO affiliated	Independent
1998			
Unions and associations	109	95	14
Membership 1/	184,694	162,368	2/ 22,326
1999			
Unions and associations	115	100	15
Membership 1/	206,189	183,857	2/ 22,332

1/ Data exclude two unions not reporting membership: Graphic Communications International Union Local 501-M and the Hawaii Printing and Graphic Communications Union Local 413-N. The largest memberships were those reported by Hawaii Government Employees AFSCME, Local 152 (1998 of 39,400 and 1999 of 40,100); Longshoremen's and Warehousemen's Union, Local 142 (1998 of 25,000 and 1999 of 25,000); Teamsters, Chauffeurs, Warehousemen and Helpers of America, Local 986 (1998 of 16,000 and 1999 of 16,000).

2/ Two unions submitted membership figures which were estimates: Industrial Workers of the World Oahu General Membership Branch and State of Hawaii Organization of Police Officers (SHOPO).

Source: Hawaii State AFL-CIO, *Directory of Labor Organizations & Affiliates, 1998 and 1999*; survey of non-reporting unions and organizations.

Table 12.44-- STATE AND COUNTY EMPLOYEES IN COLLECTIVE BARGAINING UNITS, BY EMPLOYING JURISDICTION: 1996 TO 1999

[As of December 31]

Employing jurisdiction	1996	1997	1998	1999
Total	53,825	53,773	54,090	54,778
State of Hawaii	22,781	22,869	23,357	23,484
City and County of Honolulu	8,165	8,155	8,106	7,995
County of Hawaii	1,763	1,776	1,805	1,815
County of Maui	1,613	1,629	1,649	1,632
County of Kauai	859	869	865	875
Dept. of Education	12,819	12,651	12,416	13,113
Judiciary	1,428	1,421	1,430	1,434
University of Hawaii	4,397	4,403	4,462	4,430

Source: Hawaii Labor Relations Board, *HLRB Informational Bulletin*, No. 37, February 23, 2000, and earlier issues.

Table 12.45-- UNION AFFILIATION OF EMPLOYED WAGE AND SALARY WORKERS: 1999 AND 2000

Year	Total employed (1,000)	Members of unions 1/		Represented by unions 2/	
		Total (1,000)	Percent of employed	Total (1,000)	Percent of employed
1999	494	114	23.2	124	25.0
2000	497	124	24.8	129	26.0

1/ Data refer to members of a labor union or an employee association similar to a union.

2/ Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

Source: U.S. Bureau of Labor Statistics, Current Population Survey, <http://stats.bls.gov/news.release/union2.t05.htm>, accessed March 6, 2001.

Table 12.46-- COLLECTIVE BARGAINING AGREEMENTS: 1987 TO 1999

Year	Number of agreements	Workers covered		Year	Number of agreements	Workers covered	
		Total	Per agreement			Total	Per agreement
1987 1/	1,375	80,400	58	1993	369	65,900	179
1988	433	16,290	38	1994	84	8,000	95
1989	104	50,950	490	1995	270	57,300	212
1990	194	24,300	125	1996	136	49,250	362
1991	107	23,700	221	1997	1,334	62,800	47
1992	1,413	21,400	15	1998	786	18,900	24
				1999	123	65,890	535

1/ For earlier years, 1964-1986, see source.

Source: Industrial Relations Center, University of Hawaii at Manoa, *Duration of Collective Bargaining Agreements in Hawaii, 1999* (December 1998), p. 1.

Table 12.47-- WORK STOPPAGES: 1990 TO 2000

[Data exclude stoppages lasting less than one full shift (8 hours) and stoppages affecting fewer than 6 workers. Data are limited to stoppages begun or in progress during the week containing the 12th of each month]

Year	Number of stoppages 1/	Workers involved 1/	Man-days lost 2/
1990	13	7,415	119,509
1991	-	-	-
1992	-	-	-
1993	2	160	6,018
1994 3/	3	12,202	109,529
1995	-	-	-
1996	1	13	715
1997	-	-	-
1998	1	150	(NA)
1999	-	-	-
2000	-	-	-

NA Not available.

1/ Stoppages carrying over from previous year are counted in both years.

2/ Partly estimated.

3/ Data exclude HGEA strikers in Hawaii County.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, unpublished estimates.

**Table 12.48-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS:
1983 TO 2000**

Year	Number of stoppages begun in year	Workers involved 1/	Man-days idle during year	Percent of estimated nonagricultural working time
1983	1	2,800	5,600	0.01
1984	1	1,000	70,000	0.01
1985	1	1,000	11,000	0.01
1986-1993	-	-	-	0
1994	1	15,800	136,500	(NA)
1995-1997	-	-	-	-
1998	-	-	-	-
1999	-	-	-	-
2000	-	-	-	-

NA Not available.

1/ Workers counted more than once if involved in more than one stoppage during year.

Source: U.S. Department of Labor, Bureau of Labor Statistics, records; Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, records.

Section 13

INCOME, EXPENDITURES, AND WEALTH

This section presents statistics on different aspects of income and expenditures, relating to State personal income, Gross State Product accounts and to the distribution of income to families, households and individuals. Specifically, information is given on gross state product by industry; personal, family and household income; poverty, personal wealth, and family expenditures. Data on wage rates, salaries, and earnings appear in Sections 3, 9, 12, and 22; on industrial payrolls, in Sections 12, 15, and 20 through 23; on the family income of visitors, in Section 7; on retirement payments and public assistance, in Sections 10 and 11; on taxable income, in Section 9.

The chief sources of data shown in this section are the U.S. Bureau of Economic Analysis, U.S. Census Bureau, U.S. Bureau of Labor Statistics, U.S. Department of Health and Human Services, Internal Revenue Service; and Hawaii Agricultural Statistics Service, Hawaii State Department of Business, Economic Development & Tourism, and Hawaii Visitors & Convention Bureau. Sections 6 and 7 of *Historical Statistics of Hawaii* present data for earlier years. Comparable data for the country as a whole are given in the *Statistical Abstract of the United States: 2000*, Section 14.

**Table 13.01-- DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES:
1974 TO 2000**

[In millions of dollars]

Year	Value of production		Defense expenditures 2/	Visitor expenditures 3/
	Raw sugar and molasses 1/	Fresh and processed pineapple		
1974	676.6	127.1	1,311.8	1,232.9
1975	366.1	136.7	1,442.1	1,354.7
1976	257.0	144.5	1,499.2	1,636.5
1977	226.8	161.6	1,576.1	1,833.9
1978	285.2	162.8	1,644.5	2,149.9
1979	345.7	206.4	1,707.7	2,540.6
1980	594.1	226.5	1,865.4	2,870.8
1981	327.9	217.6	2,041.2	3,195.4
1982	351.5	206.0	2,385.3	3,686.8
1983	410.2	219.0	2,566.5	3,847.2
1984	393.0	249.6	2,653.0	4,441.9
1985	340.8	222.5	3,111.6	5,081.4
1986	361.9	238.4	3,098.6	5,917.8
1987	335.9	251.4	3,077.6	6,676.3
1988	324.0	247.0	3,188.4	8,303.8
1989	322.0	241.9	3,295.9	8,905.1
1990	328.9	215.9	3,346.2	9,082.1
1991	270.7	224.6	3,648.2	9,817.7
1992	237.6	197.7	3,837.4	9,310.9
1993	251.9	140.6	3,759.6	8,472.3
1994	247.9	134.1	3,876.8	10,253.9
1995	200.2	135.0	3,782.4	11,107.2
1996	168.8	147.0	3,883.6	10,166.8
1997	132.5	136.7	4,070.3	10,491.0
1998	133.1	145.1	4,101.8	10,309.2
1999	131.3	144.8	4,172.6	10,279.7
2000 4/	(NA)	(NA)	4,386.3	10,918.1

NA not available.

1/ Excludes government sugar support payments.

2/ Data for 1995 to 1999 are revised.

3/ Direct visitor expenditures in Hawaii, exclusive of transpacific transportation. Estimates for 1984 and earlier years also exclude additional business expenditures by MCI (meetings, conventions, and incentive) visitors.

4/ Preliminary.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual), records, and for 1997-1999 <http://www.nass.usda.gov/hi/stats/t_of_c.html>; Hawaii State Department of Business, Economic Development & Tourism, *Hawaii Gross State Product Accounts: 1958-88* (June 1988) and records; and Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 13.02-- GROSS STATE PRODUCT, PER CAPITA GROSS STATE PRODUCT AND RESIDENT POPULATION: 1985 TO 2000

[Current dollar GSP series for 1985-1999 was revised based on state total personal income revision released by U.S. Bureau of Economic Analysis, September 12, 2000]

Year	Gross state product 1/		Per capita gross state product 1/		Resident Population 2/
	Millions of current dollars	Millions of 1992 dollars	Current dollars	1992 dollars	
1985	18,664.0	26,161.5	17,951	25,163	1,039,698
1986	19,849.8	27,190.8	18,873	25,853	1,051,762
1987	21,563.0	28,252.2	20,192	26,455	1,067,917
1988	23,916.9	29,767.1	22,149	27,567	1,079,827
1989	26,447.3	31,322.9	24,162	28,616	1,094,588
1990	29,091.0	32,395.6	26,144	29,114	1,112,703
1991	30,729.8	32,204.8	(NA)	(NA)	(NA)
1992	32,504.3	32,504.3	(NA)	(NA)	(NA)
1993	33,532.0	32,670.5	(NA)	(NA)	(NA)
1994	34,354.6	32,655.6	(NA)	(NA)	(NA)
1995	34,526.4	32,207.0	(NA)	(NA)	(NA)
1996	34,893.6	32,068.3	(NA)	(NA)	(NA)
1997	35,797.9	32,692.1	(NA)	(NA)	(NA)
1998	36,465.2	33,362.5	(NA)	(NA)	(NA)
1999	37,395.1	33,872.4	(NA)	(NA)	(NA)
2000	39,394.3	35,142.1	(NA)	(NA)	1,211,537

NA Not available.

1/ Data for 1997 through 1999 are revised. Data for 2000 are preliminary.

2/ As of July 1 for 1985-90. As of April 1 for 2000. The resident population for April 1, 1990 is 1,108,229.

Source: Hawaii State Department of Business, Economic Development & Tourism, records; and U.S. Census Bureau, Federal-State Cooperative Program for Population Estimates.

**Table 13.03-- GROSS STATE PRODUCT,
UNITED STATES AND HAWAII: 1977 TO 1999**

[Data for 1977-98 are revised]

Year	Hawaii			United States		
	Millions of dollars		Chained 1996 quantity index (1996=100)	Millions of dollars		Chained 1996 quantity index [1996=100]
	Current	Chained (1996) dollars		Current	Chained (1996) dollars	
1977	9,390	(NA)	62.7	1,985,693	(NA)	58.6
1978	10,520	(NA)	65.5	2,249,045	(NA)	61.8
1979	11,978	(NA)	69.2	2,503,867	(NA)	63.7
1980	13,435	(NA)	71.0	2,731,618	(NA)	63.6
1981	14,524	(NA)	69.6	3,069,751	(NA)	65.2
1982	15,506	(NA)	69.6	3,217,626	(NA)	64.1
1983	16,909	(NA)	72.1	3,446,583	(NA)	66.0
1984	18,550	(NA)	74.3	3,866,334	(NA)	71.0
1985	19,991	(NA)	76.2	4,151,449	(NA)	73.9
1986	21,536	29,464	78.6	4,355,877	5,816,661	75.4
1987	23,421	30,913	82.5	4,683,245	6,072,815	78.7
1988	26,019	33,028	88.1	5,092,174	6,386,132	82.8
1989	28,811	35,309	94.2	5,411,353	6,538,634	84.7
1990	32,268	38,134	101.7	5,706,658	6,630,740	85.9
1991	34,002	38,516	102.7	5,895,430	6,615,685	85.7
1992	35,549	39,120	104.3	6,209,096	6,774,505	87.8
1993	36,308	38,809	103.5	6,513,026	6,918,388	89.7
1994	36,766	38,332	102.2	6,930,791	7,203,002	93.4
1995	37,243	37,948	101.2	7,309,516	7,433,965	96.3
1996	37,490	37,490	100.0	7,715,901	7,715,901	100.0
1997	38,537	37,668	100.5	8,224,960	8,093,396	104.9
1998	39,610	37,858	101.0	8,752,363	8,507,978	110.3
1999	40,914	38,254	102.0	9,308,983	8,934,066	115.8

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry, <<http://www.bea.doc.gov/bea/regional/data.html>>, June 4, 2001. For discussion of methodology, see "Gross State Product By Industry, New Estimates for 1999 and Revised Estimates for 1993-98", <http://www.bea.doc.gov/bea/regional/gsp/>

Table 13.04-- GROSS STATE PRODUCT, BY INDUSTRY: 1977 TO 1999

[In millions of current dollars. GSP estimates of private industries for 1987 forward are presented on the basis of the 1987 Standard Industrial Classification code (SIC). Estimates for earlier years are presented on the basis of the 1972 SIC. Data for 1992-98 are revised]

Industry	1977	1982	1987	1992	1997	1998	1999
Total, all industries	9,390	15,505	23,404	35,532	38,537	39,610	40,914
Private industries	6,786	11,416	17,881	27,858	30,066	30,981	31,986
Agriculture, forestry, fisheries	218	338	428	482	463	468	493
Farms	187	291	326	294	282	281	296
Ag. serv, forestry, fisheries	31	47	102	188	181	187	197
Mining	(L)	3	14	39	44	43	43
Construction	577	735	1,174	2,200	1,612	1,634	1,654
Manufacturing	518	698	1,005	1,254	1,063	1,016	1,030
Transp, commun, utilities	943	1,469	2,343	3,413	3,915	3,962	4,268
Wholesale trade	456	652	910	1,369	1,481	1,509	1,539
Retail trade	993	1,632	2,526	3,812	4,332	4,304	4,456
Finance, insurance, real estate	1,588	3,159	5,109	8,005	8,737	9,308	9,481
Real estate	1,260	2,461	3,824	6,454	7,120	7,108	7,347
Services	1,492	2,731	4,371	7,285	8,419	8,737	9,023
Hotels	427	768	1,097	1,701	2,106	2,116	2,197
Health services	312	603	988	1,766	2,134	2,203	2,237
Other than hotels and health	753	1,360	2,286	3,818	4,179	4,418	4,589
Government	2,604	4,088	5,523	7,674	8,471	8,629	8,928
Federal government	1,730	2,686	3,687	4,515	4,818	4,944	5,059
Civilian	681	1,125	1,414	1,730	2,004	2,130	2,228
Military	1,049	1,561	2,273	2,785	2,814	2,814	2,831
State and local government	874	1,402	1,836	3,159	3,653	3,685	3,869

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry, <<http://www.bea.doc.gov/bea/regional/data.html>>, June 4, 2001 and calculations by Hawaii State Department of Business, Economic Development & Tourism.. For discussion of methodology, see "Gross State Product By Industry, New Estimates for 1999 and Revised Estimates for 1993-98", <http://www.bea.doc.gov/bea/regional/gsp/>

**Table 13.05-- TOTAL AND PER CAPITA PERSONAL INCOME
FOR THE UNITED STATES AND HAWAII: 1969 TO 1999**

Year	Personal income (in \$1,000)		Resident population (as of July 1)		Per capita personal income		
	U.S.	Hawaii	U.S.	Hawaii	Dollars		Hawaii as percent of U.S. average
					U.S.	Hawaii	
1969	774,262,000	3,379,430	201,298,000	743,000	3,846	4,548	118.3
1970	834,455,000	3,887,781	203,798,722	762,920	4,095	5,096	124.4
1971	899,249,000	4,220,937	206,817,509	791,580	4,348	5,332	122.6
1972	988,362,000	4,660,493	209,274,882	818,104	4,723	5,697	120.6
1973	1,107,992,000	5,178,451	211,349,205	841,851	5,242	6,151	117.3
1974	1,220,181,000	5,965,410	213,333,635	858,121	5,720	6,952	121.5
1975	1,326,214,000	6,464,812	215,456,585	875,052	6,155	7,388	120.0
1976	1,469,752,000	7,031,994	217,553,859	892,335	6,756	7,880	116.6
1977	1,630,901,000	7,651,713	219,760,875	915,749	7,421	8,356	112.6
1978	1,841,340,000	8,496,961	222,098,244	928,816	8,291	9,148	110.3
1979	2,072,839,000	9,678,890	224,568,579	950,050	9,230	10,188	110.4
1980	2,313,921,000	11,139,821	227,224,719	967,710	10,183	11,512	113.1
1981	2,588,335,000	12,040,673	229,465,744	978,195	11,280	12,309	109.1
1982	2,756,954,000	12,846,182	231,664,432	993,780	11,901	12,927	108.6
1983	2,935,040,000	14,056,006	233,792,014	1,012,717	12,554	13,880	110.6
1984	3,260,064,000	15,328,363	235,824,907	1,027,922	13,824	14,912	107.9
1985	3,498,662,000	16,315,803	237,923,734	1,039,698	14,705	15,693	106.7
1986	3,697,359,000	17,258,805	240,132,831	1,051,762	15,397	16,409	106.6
1987	3,945,515,000	18,573,734	242,288,936	1,067,917	16,284	17,392	106.8
1988	4,255,000,000	20,398,903	244,499,004	1,079,827	17,403	18,891	108.6
1989	4,582,429,000	22,483,047	246,819,222	1,094,588	18,566	20,540	110.6
1990	4,885,525,000	24,914,831	249,464,396	1,112,703	19,584	22,391	114.3
1991	5,065,416,000	26,197,700	252,153,092	1,131,412	20,089	23,155	115.3
1992	5,376,622,000	27,859,163	255,029,699	1,149,926	21,082	24,227	114.9
1993	5,598,446,000	29,067,950	257,782,608	1,161,508	21,718	25,026	115.2
1994	5,878,362,000	29,740,250	260,327,021	1,173,903	22,581	25,335	112.2
1995	6,192,235,000	30,201,631	262,803,276	1,180,490	23,562	25,584	108.6
1996	6,538,103,000	30,393,181	265,228,572	1,184,434	24,651	25,661	104.1
1997 1/	6,928,545,000	31,218,274	267,783,607	1,189,322	25,874	26,249	101.4
1998 1/	7,383,476,000	31,823,713	270,248,003	1,190,472	27,321	26,732	97.8
1999 1/	7,784,137,000	32,640,570	272,690,813	1,185,497	28,546	27,533	96.5

1/ Source revisions to State Personal Income 1997-99 were released on June 11, 2001.

Source: U.S. Bureau of Economic Analysis, State Personal Income and News Release BEA 00-27
 <<http://www.bea.doc.gov/bea/regional/spi>> September 12, 2000; 1997-1999 revised as of June 11, 2001 and
 <<http://www.bea.doc.gov/bea/regional/spi>> accessed July 27, 2001; and tabulations by Hawaii State Department
 of Business, Economic Development & Tourism.

**Table 13.06-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME
FOR THE UNITED STATES AND HAWAII: 1969 TO 1999**

Year	Disposable personal income (in \$1,000)		Resident population (as of July 1)		Per capita disposable personal income		
	U.S.	Hawaii	U.S.	Hawaii	Dollars		Hawaii as percent of U.S. average
					U.S.	Hawaii	
1969	669,090,000	2,890,339	201,298,000	743,000	3,324	3,890	117.0
1970	730,495,000	3,342,892	203,798,722	762,920	3,584	4,382	122.3
1971	796,385,000	3,691,085	206,817,509	791,580	3,851	4,663	121.1
1972	863,267,000	4,023,659	209,274,882	818,104	4,125	4,918	119.2
1973	974,049,000	4,482,524	211,349,205	841,851	4,609	5,325	115.5
1974	1,067,363,000	5,193,694	213,333,635	858,121	5,003	6,052	121.0
1975	1,176,364,000	5,756,435	215,456,585	875,052	5,460	6,578	120.5
1976	1,294,737,000	6,214,476	217,553,859	892,335	5,951	6,964	117.0
1977	1,430,303,000	6,731,345	219,760,875	915,749	6,508	7,351	113.0
1978	1,608,496,000	7,423,759	222,098,244	928,816	7,242	7,993	110.4
1979	1,800,275,000	8,437,430	224,568,579	950,050	8,017	8,881	110.8
1980	2,010,486,000	9,729,467	227,224,719	967,710	8,848	10,054	113.6
1981	2,237,736,000	10,513,240	229,465,744	978,195	9,752	10,748	110.2
1982	2,396,290,000	11,442,844	231,664,432	993,780	10,344	11,514	111.3
1983	2,575,009,000	12,510,894	233,792,014	1,012,717	11,014	12,354	112.2
1984	2,873,793,000	13,693,467	235,824,907	1,027,922	12,186	13,322	109.3
1985	3,071,205,000	14,513,421	237,923,734	1,039,698	12,908	13,959	108.1
1986	3,248,472,000	15,313,673	240,132,831	1,051,762	13,528	14,560	107.6
1987	3,443,658,000	16,276,849	242,288,936	1,067,917	14,213	15,242	107.2
1988	3,736,469,000	17,856,326	244,499,004	1,079,827	15,282	16,536	108.2
1989	4,000,178,000	19,438,154	246,819,222	1,094,588	16,207	17,758	109.6
1990	4,277,221,000	21,618,114	249,464,396	1,112,703	17,146	19,428	113.3
1991	4,456,298,000	22,831,179	252,153,092	1,131,412	17,673	20,179	114.2
1992	4,741,900,000	24,460,827	255,029,699	1,149,926	18,594	21,272	114.4
1993	4,924,782,000	25,580,551	257,782,608	1,161,508	19,104	22,024	115.3
1994	5,156,671,000	26,237,350	260,327,021	1,173,903	19,808	22,351	112.8
1995	5,414,784,000	26,674,456	262,803,276	1,180,490	20,604	22,596	109.7
1996	5,669,393,000	26,730,444	265,228,572	1,184,434	21,375	22,568	105.6
1997	5,960,749,000	27,370,528	267,783,607	1,189,322	22,260	23,014	103.4
1998	6,313,611,000	27,828,147	270,248,003	1,190,472	23,362	23,376	100.1
1999	6,633,338,000	28,527,756	272,690,813	1,185,497	24,325	24,064	98.9

1/ Source revisions to State Personal Income 1997-99 were released on June 11, 2001.

Source: U.S. Bureau of Economic Analysis, State Personal Income and News Release BEA 00-27

<<http://www.bea.doc.gov/bea/regional/spi>> September 12, 2000; 1997-1999 revised as of June 11, 2001 and

<<http://www.bea.doc.gov/bea/regional/spi>> accessed July 27, 2001; and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.07-- PERSONAL INCOME BY MAJOR SOURCES: 1995 TO 1999

[In thousands of dollars. 1997 through 1999 data are revised]

Item	1995	1996	1997	1998	1999
PERSONAL INCOME	30,201,631	30,393,181	31,218,274	31,823,713	32,640,570
Earnings By Place of Work	22,243,565	22,303,352	22,698,511	23,069,147	23,663,571
Wage and salary disbursements	16,810,561	16,856,318	17,344,072	17,749,069	18,299,103
Other labor income	3,077,719	3,131,662	3,005,356	2,889,092	2,815,967
Proprietors' income	2,355,285	2,315,372	2,349,083	2,430,986	2,548,501
Farm proprietors' income	3,182	898	12,107	10,273	10,393
Nonfarm proprietors' income	2,352,103	2,314,474	2,336,976	2,420,713	2,538,108
Dividends, interest, and rent	5,538,563	5,583,548	5,989,819	6,187,102	6,341,613
Transfer payments	3,642,789	3,722,523	3,765,071	3,817,875	3,932,591
Less: Pers. cont. for social insur.	1,223,286	1,216,242	1,235,127	1,250,411	1,297,205
Earnings By Industry	2,513,460	2,474,542	2,500,577	2,593,217	2,729,554
Farm Earnings	161,357	160,068	163,601	172,504	191,446
Nonfarm Earnings	2,352,103	2,314,474	2,336,976	2,420,713	2,538,108
Private Earnings	15,466,361	15,490,491	15,543,041	15,844,062	16,232,078
Ag. serv., forestry, fishing & oth	142,388	134,877	135,393	137,227	142,837
Mining	23,651	20,809	19,608	20,900	21,317
Construction	1,564,844	1,417,306	1,308,481	1,309,836	1,325,490
Manufacturing	781,260	754,378	705,653	675,563	659,215
Transport. and public utilities	1,694,460	1,739,106	1,770,887	1,771,810	1,810,595
Wholesale trade	787,608	784,853	776,028	796,237	821,706
Retail trade	2,572,841	2,558,144	2,593,652	2,552,298	2,628,893
Finance, insur., and real estate	1,742,173	1,817,670	1,847,056	1,900,474	1,950,156
Services	6,157,136	6,263,348	6,386,283	6,679,717	6,871,869
Gov't and gov't enterprises	6,615,847	6,652,793	6,991,869	7,052,581	7,240,047
Federal	3,783,362	3,821,533	4,012,535	4,085,747	4,137,735
Federal, civilian	1,588,449	1,539,259	1,689,976	1,784,125	1,839,655
Military	2,194,913	2,282,274	2,322,559	2,301,622	2,298,080
State and local	2,832,485	2,831,260	2,979,334	2,966,834	3,102,312

Source: U.S. Bureau of Economic Analysis, State Personal Income
 <<http://www.bea.doc.gov/bea/regional/spi>> June 11, 2001 and as accessed July 23, 2001 and
 tabulations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.08-- PERSONAL INCOME, TOTAL AND PER CAPITA, BY COUNTY:
1969 TO 1999**

[Data for 1997-98 have been revised. Per capita personal income was computed using Census Bureau midyear population estimates. Estimates for 1990-99 reflect county population estimates available as of March 2001]

Year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui and Kalawao
TOTAL (\$1,000)						
1969	3,379,430	2,867,783	511,647	226,761	114,141	170,745
1970	3,887,781	3,297,666	590,115	268,340	123,632	198,143
1971	4,220,937	3,564,239	656,698	300,856	136,527	219,315
1972	4,660,493	3,940,688	719,805	331,738	146,434	241,633
1973	5,178,451	4,383,318	795,133	366,235	161,721	267,177
1974	5,965,410	4,864,188	1,101,222	511,114	225,687	364,421
1975	6,464,812	5,372,708	1,092,104	501,974	212,331	377,799
1976	7,031,994	5,854,943	1,177,051	528,180	228,667	420,204
1977	7,651,713	6,347,218	1,304,495	581,167	251,586	471,742
1978	8,496,961	7,042,977	1,453,984	649,392	276,987	527,605
1979	9,678,890	7,992,711	1,686,179	748,652	319,116	618,411
1980	11,139,821	9,054,974	2,084,847	942,944	397,055	744,848
1981	12,040,673	9,912,566	2,128,107	947,674	404,092	776,341
1982	12,846,182	10,541,200	2,304,982	1,010,994	442,921	851,067
1983	14,056,006	11,441,268	2,614,738	1,128,383	495,037	991,318
1984	15,328,363	12,580,650	2,747,713	1,179,286	513,291	1,055,136
1985	16,315,803	13,379,494	2,936,309	1,237,066	551,264	1,147,979
1986	17,258,805	14,061,566	3,197,239	1,341,451	594,394	1,261,394
1987	18,573,734	15,122,501	3,451,233	1,437,316	637,378	1,376,539
1988	20,398,903	16,512,442	3,886,461	1,574,265	757,991	1,554,205
1989	22,483,047	18,062,115	4,420,932	1,784,847	868,318	1,767,767
1990	24,914,831	19,921,724	4,993,107	2,018,498	964,951	2,009,658
1991	26,197,700	20,894,000	5,303,700	2,168,470	1,038,674	2,096,556
1992	27,859,163	22,556,662	5,302,501	2,308,281	682,259	2,311,961
1993	29,067,950	23,087,005	5,980,945	2,416,054	1,132,068	2,432,823
1994	29,740,250	23,525,480	6,214,770	2,495,152	1,182,254	2,537,364
1995	30,201,631	23,812,910	6,388,721	2,551,455	1,225,063	2,612,203
1996	30,393,181	23,913,790	6,479,391	2,615,139	1,219,701	2,644,551
1997	31,218,274	24,604,056	6,614,218	2,671,475	1,231,927	2,710,816
1998	31,823,713	24,967,445	6,856,268	2,795,228	1,252,148	2,808,892
1999	32,640,570	25,474,559	7,166,011	2,896,240	1,303,838	2,965,933

Continued on next page.

**Table 13.08-- PERSONAL INCOME, TOTAL AND PER CAPITA, BY COUNTY:
1969 TO 1999-- Con.**

Year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui and Kalawao
PER CAPITA (DOLLARS)						
1969	4,548	4,752	3,666	3,593	3,799	3,679
1970	5,096	5,287	4,240	4,223	4,174	4,308
1971	5,332	5,630	4,142	4,093	4,107	4,235
1972	5,697	5,927	4,696	4,744	4,596	4,693
1973	6,151	6,410	5,030	5,027	4,971	5,070
1974	6,952	6,968	6,879	6,917	6,937	6,791
1975	7,388	7,590	6,532	6,501	6,375	6,667
1976	7,880	8,167	6,710	6,563	6,577	6,983
1977	8,356	8,636	7,216	7,035	7,104	7,516
1978	9,148	9,511	7,721	7,581	7,547	8,000
1979	10,188	10,608	8,576	8,405	8,394	8,893
1980	11,512	11,855	10,225	10,150	10,085	10,399
1981	12,309	12,914	10,104	9,859	9,988	10,485
1982	12,927	13,583	10,588	10,233	10,595	11,038
1983	13,880	14,499	11,693	11,198	11,567	12,382
1984	14,912	15,769	11,940	11,391	11,764	12,717
1985	15,693	16,635	12,473	11,681	12,428	13,482
1986	16,409	17,350	13,249	12,379	13,044	14,434
1987	17,392	18,477	13,834	12,864	13,503	15,205
1988	18,891	20,038	15,196	13,878	15,613	16,575
1989	20,540	21,727	16,794	15,309	17,420	18,258
1990	22,391	23,772	18,179	16,619	18,692	19,782
1991	23,155	24,680	18,621	17,117	19,553	19,965
1992	24,227	26,293	18,157	17,685	12,640	21,498
1993	25,026	26,756	20,027	18,108	20,662	22,032
1994	25,335	27,042	20,447	18,408	21,231	22,512
1995	25,584	27,328	20,667	18,521	21,855	22,655
1996	25,661	27,436	20,713	18,842	21,602	22,493
1997	26,249	28,180	20,917	18,970	21,899	22,755
1998	26,732	28,640	21,513	19,712	22,277	23,273
1999	27,533	29,465	22,329	20,340	23,061	24,312

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economic Information System, Metropolitan Area Personal Income, May 3, 2001
<<http://www.bea.doc.gov/bea/regional/reis/index.html>> and calculations by Hawaii State Department of Business, Economic Development & Tourism.
<http://www.bea.doc.gov/bea/regional/reis/>

Table 13.09-- ECONOMIC ESTIMATES AND PROJECTIONS: 1998 TO 2025

[See also Tables 1.23 and 1.24 for population projections from the same source]

Year	Gross state product (millions of 1992 dollars)	Personal income		Total labor income 1/ (millions of 1992 dollars)	Total civilian employment
		Total (millions of 1992 dollars)	Per capita (1992 dollars)		
1998	31,944.0	28,288.8	23,762.1	20,066.2	559,800
2000	33,248.8	29,076.5	24,285.1	20,722.5	571,100
2005	36,876.6	31,793.9	25,721.1	22,705.6	597,200
2010	40,830.4	35,001.9	27,110.1	24,982.8	633,900
2015	45,101.9	38,350.4	28,426.7	27,394.2	667,600
2020	49,861.9	41,906.7	29,801.4	30,013.0	699,200
2025	54,793.3	45,513.7	31,139.6	32,712.4	732,300

1/ Labor income is the sum of wage and salary disbursements, other labor income, and proprietors' income.

Source: Hawaii Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2025, DBEDT 2025 Series*, February 2000.
<http://www.hawaii.gov/dbedt/2025/index.html>

Table 13.10-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, UNRELATED INDIVIDUALS, AND PERSONS: 1949 TO 1989

[In dollars. Based on censuses made in April of following year]

Year	Households	Families	Unrelated individuals with income 1/	Persons with income 1/	
				Male	Female
1949	(NA)	3,568	1,583	2,340	1,247
1959	(NA)	6,366	1,998	3,753	1,796
1969	10,675	11,664	2,981	6,528	3,222
1979	20,473	22,750	7,097	11,505	6,581
1989	38,829	43,176	(NA)	21,095	12,976

NA Not available.

1/ 14 years old and over through 1969, and 15 years old and over thereafter.

Source: U.S. Bureau of the Census, *Census of Population: 1960*, PC(1)-13C (1962), tables 66 and 67 (for 1949 data); *1970 Census of Population*, PC(1)-C13 (December 1971), table 47 (for 1959 data); *1980 Census of Population*, PC80-1-C-13 (June 1983), table 61 (for 1969 and 1979 data); *1990 Census of Population and Housing*, 1990 CP-2-13 (September 1993), table 28 (for 1989 data).

Table 13.11-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN THE UNITED STATES AND HAWAII: 1974 TO 1999

[In dollars, numbers, and percent. Based on small samples and subject to considerable sampling variation. From surveys made in March or April of following year. The methodology used to compute 4-person family median income by state uses the most recent data available from the March Current Population Survey (CPS) and the decennial census of population conducted by the Bureau of the Census, as well as per capita personal income estimates produced by the Bureau of Economic Analysis. The Bureau of the Census recommends using three-year moving averages for state-to-state comparison and using three-year moving averages for state-to-state comparison. See Tables 13.12 and 13.13]

Calendar year 1/	United States	Hawaii	Hawaii rank 2/	Hawaii as percent of US
1974	14,747	17,069	2	115.7
1975	15,848	18,825	2	118.8
1976	17,315	20,113	2	116.2
1977	18,723	21,718	2	116.0
1978	20,428	22,475	3	110.0
1979	22,395	24,582	7	109.8
1980	24,332	27,514	4	113.1
1981	26,274	29,295	6	111.5
1982	27,619	30,019	9	108.7
1983	29,184	31,614	10	108.3
1984	31,097	33,445	11	107.6
1985	32,777	34,636	10	105.7
1986	34,716	36,618	11	105.5
1987	36,812	40,878	6	111.0
1988	39,051	42,353	8	108.5
1989	40,763	44,988	8	110.4
1990	41,451	50,234	6	121.2
1991	43,056	49,367	4	114.7
1992	44,615	50,821	4	113.9
1993	45,161	54,856	4	121.5
1994	47,012	56,992	5	121.2
1995 3/	49,687	54,749	6	110.2
1996	51,518	57,909	6	112.4
1997	53,350	58,474	10	109.6
1998	56,061	61,838	9	110.3
1999	59,981	66,402	7	110.7

1/ The term "calendar year" refers to the year the money income was received by the Current Population Survey respondents. Previous *Data Book's* tables included "fiscal year" (or, for this program, calendar year plus 3) which referred to the time period used for eligibility for the Department of Health and Human Services's Low Income Home Energy Assistance Program (LIHEAP). Estimates are as published in the *Federal Register*.

2/ Rank computed among the 50 states and the District of Columbia. Rank of 1 indicates the highest median income.

3/ Implementation of 1990 population controls in CPS estimates.

Source: U.S. Bureau of the Census, Median Income for 4-Person Families, By State, 1974-99 (FY 77-2002) <<http://www.census.gov/hhes/income/4person.html>>; *Federal Register* March 22, 2001; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.12- MEDIAN MONEY INCOME OF HOUSEHOLDS,
FOR THE UNITED STATES AND HAWAII, 2-YEAR MOVING
AVERAGES IN CONSTANT 1999 DOLLARS: 1984 TO 1999**

[In dollars, numbers, and percent. Based on small samples and subject to considerable sampling variation. From surveys made in March or April of following year. The Bureau of the Census recommends 2-year averages to evaluate changes in state estimates over time, and 3-year averages to compare the relative ranking of states.

Year	Median income, 2-year moving averages		
	United States	Percent change	Standard error
1984-85	36,255	...	149
1985-86	37,207	2.6	162
1986-87	37,978	2.1	157
1987-88	38,226	0.7	157
1988-89	38,589	0.9	169
1989-90	38,503	-0.2	168
1990-91	37,509	-2.6	153
1991-92	36,615	-2.4	143
1992-93	36,199	-1.1	140
1993-94	36,145	-0.1	137
1994-95	36,761	1.7	157
1995-96	37,469	1.9	167
1996-97	38,049	1.5	151
1997-98	39,078	4.3	170
1998-99	40,280	5.9	176

Year	Median income, 2-year moving averages		
	Hawaii	Percent change	Standard error
1984-85	45,572	...	1,723
1985-86	44,464	-2.4	1,677
1986-87	47,724	7.3	1,402
1987-88	48,934	2.5	1,511
1988-89	46,789	-4.4	1,593
1989-90	48,342	3.3	1,473
1990-91	47,586	-1.6	1,560
1991-92	47,783	0.4	1,521
1992-93	49,597	3.8	1,536
1993-94	48,344	-2.5	1,962
1994-95	47,173	-2.4	1,740
1995-96	45,599	-3.3	1,416
1996-97	43,422	-4.8	1,431
1997-98	42,110	-7.7	1,614
1998-99	43,051	-0.9	1,724

1/ Median income in 1999 CPI-U adjusted dollars. Base year was 1997 in Data Book 1998.

Source: U.S. Bureau of the Census, Historical Income Tables - Households, released September 26, 2000. Table H-8A. Median Money Income of Households, by State: 1984 to 1999 (Two-year moving averages) <http://www.census.gov/hhes/income/histinc/h08a.html>.

**Table 13.13-- MEDIAN MONEY INCOME OF HOUSEHOLDS,
FOR THE UNITED STATES AND HAWAII, 3-YEAR MOVING
AVERAGES IN CONSTANT 1999 DOLLARS: 1984 TO 1999**

[Based on small samples and subject to considerable sampling variation. From surveys made in March or April of following year. The Bureau of the Census recommends 2-year averages (see Table 13.12) to evaluate changes in state estimates over time, and 3-year averages to compare the relative ranking of states]

Year	Median income, 3-year moving averages 1/		
	United States	Standard error	Rank 2/
1984-86	36,785	131	22-23
1985-87	37,508	135	23-24
1986-88	38,099	134	3/ 23-24
1987-89	38,429	139	22-23
1988-90	38,449	142	21-22
1989-91	37,952	137	20-21
1990-92	37,132	126	23-24
1991-93	36,416	120	23-24
1992-94	36,223	118	23-24
1993-95	36,513	127	22-23
1994-96	37,069	135	22-23
1995-97	37,783	136	22-23
1996-98	38,614	140	22-23
1997-99	39,657	143	22-23

Year	Median income, 3-year moving averages		
	Hawaii	Standard error	Rank 2/
1984-86	45,077	1,418	5
1985-87	46,763	1,323	5
1986-88	47,318	1,270	6
1987-89	48,313	1,288	5
1988-90	47,730	1,318	6
1989-91	47,414	1,298	6
1990-92	48,393	1,292	3
1991-93	48,251	1,325	3
1992-94	48,898	1,517	2
1993-95	47,844	1,494	2
1994-96	46,233	1,419	3
1995-97	44,563	1,163	5
1996-98	42,858	1,354	14
1997-99	42,864	1,352	16

1/ Median income in 1999 CPI-U adjusted dollars. Base year was 1997 in *Data Book 1998*.

2/ Rank among the 50 states and the District of Columbia. A rank of 1 indicates the highest median income and a rank for the United States average indicates its relative place among the 50 states and District of Columbia.

3/ For 1986-88, the U.S. median income was immediately lower than the District of Columbia.

Source: U.S. Bureau of the Census, Historical Income Tables - Households, released September 26, 2000. Median Money Income of Households, by State: 1984 to 1999 (Three-year moving averages) <<http://www.census.gov/hhes/income/histinc/h08b.html>>.

**Table 13.14-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, AND
NONFAMILY HOUSEHOLDS, AND PERCENT OF FAMILIES AND
PERSONS BELOW POVERTY LEVEL, FOR COUNTIES AND
SELECTED URBAN PLACES: 1989**

Geographic area	Median income (dollars)			Percent below poverty level 1/	
	Households	Families	Nonfamily households	Persons	Families
The State	38,829	43,176	24,376	8.3	6.0
Counties:					
Hawaii	29,712	33,186	17,375	14.2	10.9
Honolulu	40,581	45,313	25,685	7.5	5.4
Kalawao	(B)	(B)	(B)	(B)	(B)
Kauai	37,425	41,099	20,867	7.2	5.0
Maui	38,771	42,129	25,013	7.9	5.7
Census designated places:					
Hilo	30,014	35,570	15,700	14.5	11.3
Honolulu	37,190	45,227	24,177	8.4	5.5
Kailua (Oahu)	55,259	57,537	30,896	3.4	2.1
Kaneohe	49,770	51,116	30,291	4.9	2.9
Pearl City	50,752	52,879	23,008	3.5	2.4
Waipahu	38,380	40,635	17,691	13.4	12.8

B Base figure too small for statistical reliability.

1/ Based on U.S. poverty thresholds. Thresholds in Hawaii are about 15 percent higher; these statistics accordingly understate the prevalence of poverty in Hawaii.

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), tables 28, 29, 148, 149, 177, and 178.

Table 13.15-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, FOR STATE: 1995 TO 1997 AND BY COUNTY: 1995 AND 1997

Area	Median household income (dollars)	Persons in poverty 1/		Persons under 18 in poverty	
		Number	Percent	Number	Percent
1995					
The State	43,973	115,876	9.9	43,091	13.8
Counties:					
Hawaii	35,093	21,493	15.5	8,968	22.1
Honolulu	44,903	77,994	9.1	28,089	12.6
Kalawao	8,630	2/	2/	2/	2/
Kauai	40,164	5,634	9.9	2,051	12.7
Maui	41,930	10,754	9.1	3,984	12.3
1996 3/					
The State 4/	43,677	137,386	11.7	54,407	17.9
1997					
The State	43,627	130,644	11.1	48,849	16.2
Counties:					
Hawaii	34,557	23,475	16.6	9,449	23.4
Honolulu	44,310	87,155	10.2	31,308	14.8
Kalawao	9,213	2/	2/	2/	2/
Kauai	38,877	6,847	12.1	2,916	18.6
Maui	40,647	13,167	10.8	5,176	15.8

1/ Based on Mainland poverty thresholds. Official Hawaii thresholds are about 15 percent higher. These data accordingly understate the number and percent of persons below the poverty level in Hawaii. Data also differ from estimates in Table 13.18.

2/ Regression estimates not formed because of a lack of data. These estimates are equal to the 1990 Census value and standard errors are not reported. 1995 Median income is also adjusted for inflation.

3/ Congressional action requires state estimates of poverty every year and local estimates every two years. The local estimates are available for odd-numbered years.

4/ Revised. Source revision November 28, 2000.

Source: U.S. Bureau of the Census, Small Area Income and Poverty Estimates Program, February 12, 1999; *ibid.* November 3, 1999; and *ibid.* November 16, 2000.

<<http://www.census.gov/housing/saipe/estmod96/est96US.dat>> accessed June 21, 2001. These and previous estimates are also available

<http://www.census.gov/hhes/www/saipe/estimatetoc.html>

Table 13.16-- INCOME OF HOUSEHOLDS AND FAMILIES: 1993 TO 1997

[Data refer to income before taxes. Particularly for 1993, based on a small sample subject to considerable sampling variation]

Annual income	Households			Families		
	1993	1995	1997	1993	1995	1997
Total	398,834	377,470	414,226	303,767	278,635	293,618
Less than \$5,000	9,548	10,838	16,758	5,147	1,544	3,967
\$5,000 to \$9,999	16,394	20,747	28,115	5,807	11,042	13,526
\$10,000 to \$14,999	20,378	21,809	35,201	12,255	16,024	19,158
\$15,000 to \$24,999	52,230	42,302	52,831	41,668	35,670	33,080
\$25,000 to \$34,999	62,051	50,532	40,856	34,741	30,723	28,117
\$35,000 to \$49,999	67,356	79,582	74,078	52,834	58,240	57,215
\$50,000 to \$74,999	98,013	67,996	79,120	86,333	52,077	62,554
\$75,000 to \$99,999	42,095	42,352	43,104	37,195	35,617	36,607
\$100,000 to \$149,999	24,514	26,847	29,013	22,849	23,884	28,104
\$150,000 or more	6,255	14,466	15,152	4,939	13,714	11,289
Median income (dollars)	42,662	42,851	40,934	49,797	(NA)	(NA)

NA Not available.

Source: U.S. Bureau of the Census, Current Population Survey, March 1994, 1996 and 1998 (special tabulation by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center) and for 1995 and 1997, special tabulation by Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center, May 16, 2000.

**Table 13.17-- INCOME TYPE AND PER CAPITA INCOME IN 1989, BY
GEOGRAPHIC AREAS: 1990**

Subject	State total	Oahu	Neighbor islands
Households	356,748	265,625	91,123
With wage and salary income	297,748	226,536	71,212
Mean wage and salary income (dollars)	43,025	44,702	37,690
With nonfarm self-employment income	51,415	35,022	16,393
Mean nonfarm self-employment income (dollars)	22,521	22,477	22,617
With farm self-employment income	5,956	2,164	3,792
Mean farm self-employment income (dollars)	10,925	8,272	12,439
With Social Security income	90,377	64,394	25,983
Mean Social Security income (dollars)	7,815	7,712	8,070
With public assistance income	24,240	16,803	7,437
Mean public assistance income (dollars)	5,272	5,264	5,288
With retirement income	71,005	53,219	17,786
Mean retirement income (dollars)	12,116	13,230	8,783
Per capita income (dollars)	15,770	16,256	14,275

Source: U.S. Bureau of the Census, *1990 Census of Population, Social and Economic Characteristics, Hawaii*, 1990 CP-2-13 (September 1993), table 42.

**Table 13.18-- POVERTY STATUS OF PERSONS: 1969, 1975, AND
1979 TO 1999**

[Based on Mainland poverty thresholds. Official Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the number and percent of persons below the poverty level in Hawaii. Data are based on censuses or surveys made in March or April of the following year, and exclude inmates of institutions, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years (14 years before 1979)]

Year	Number	Percent	Year	Number	Percent
Census:					
1969	68,543	9.3	1987	95,000	8.8
1975	67,000	7.9	1988	117,000	11.1
1979	91,618	9.9	1989	122,000	11.3
1989	88,408	8.3	1990	121,000	11.0
			1991	90,000	7.7
CPS: 1/			1992	129,000	11.0
1980	81,000	8.5	1993	91,000	8.0
1981	108,000	11.3	1994	97,000	8.7
1982	132,000	13.2	1995	122,000	10.3
1983	135,000	13.4	1996	142,000	12.1
1984	92,000	9.3	1997	164,000	13.9
1985	109,000	10.7	1998	131,000	10.9
1986	109,000	10.7	1999	132,000	10.9

1/ Current Population Survey. Based on small samples and subject to considerable sampling variation.

2/ Standard error in 1999 was 1.70 for the poverty rate. For the entire United States in 1999, the poverty rate was 11.8 percent with a standard error of 0.20. Hawaii's poverty rate had a rank of 28 in 1999, where a rank of 1 indicates the highest rate.

Source: U.S. Bureau of the Census, *1970 Census of Population*, PC(1)-C13 (December 1971), table 58; *Current Population Reports, Consumer Income*, Series P-60, No. 113 (July 1978), p. 179; *1980 Census of Population*, PC80-1-C13 (June 1983), table 72; *1990 Census of Population*, 1990 CP-2-13 (September 1993), table 29; *Current Population Reports, Consumer Income*, Series P-60, No. 175 (August 1991), pp. 219-221, No. 185 (September 1993), p.1 and App. Table D-1, No. 188 (February 1995), tables C and D, No. 194 (Sept. 1996), tables A and B; Release CB95-185 (October 5, 1995), and No. 194 (September, 1997), p. ix. *Statistical Abstract of the United States: 1995* (p. 482), *1996* (p. 474), *1997* (p. 477); *1998* (p. 479); and *1999* (p. 485). For 1998 and 1999: U.S. Census Bureau Historical Poverty Tables-People, Table 19 <<http://www.census.gov/hhes/poverty/histpov/hstpov19.html>> and Table 21 <<http://www.census.gov/hhes/poverty/histpov/hstpov21.html>> accessed June 18, 2001 and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.19-- POVERTY STATUS IN 1989, FOR THE STATE AND OAHU: 1990

[Based on nationwide poverty thresholds. Hawaii thresholds are approximately 15 percent higher than those in effect on the Mainland; these data accordingly understate the numbers of persons and families below the poverty level in Hawaii. Data refer to the poverty status in 1989 of families and persons surveyed in April 1990]

Subject	State total	Oahu only
All persons for whom poverty status is determined	1,071,352	803,204
Below poverty level	88,408	60,093
Persons 18 years and over	795,834	601,880
Below poverty level	56,464	39,029
Persons 65 years and over	120,952	88,602
Below poverty level	9,701	6,888
Related children under 18 years	273,746	200,310
Below poverty level	30,440	20,191
Related children under 5 years	80,522	60,206
Below poverty level	10,137	6,907
Related children 5 to 17 years	193,224	140,104
Below poverty level	20,303	13,284
Unrelated individuals	147,440	107,072
Below poverty level	29,435	20,330
All families	266,439	199,597
Below poverty level	16,053	10,733
With related children under 18 years	143,331	106,216
Below poverty level	12,760	8,423
With related children under 5 years	64,476	48,376
Below poverty level	7,213	4,895
Female householder families	35,368	26,101
Below poverty level	6,937	4,445
With related children under 18 years	21,428	14,960
Below poverty level	6,382	4,020
With related children under 5 years	8,220	5,712
Below poverty level	3,426	2,157

Continued on next page.

**Table 13.19-- POVERTY STATUS IN 1989, FOR THE STATE AND OAHU:
1990 -- Con.**

Subject	State total	Oahu only
Percent below poverty level:		
All persons	8.3	7.5
Persons 18 years and over	7.1	6.5
Persons 65 years and over	8.0	7.8
Related children under 18 years	11.1	10.1
Related children under 5 years	12.6	11.5
Related children 5 to 17 years	10.5	9.5
Unrelated individuals	20.0	19.0
All families	6.0	5.4
With related children under 18 years	8.9	7.9
With related children under 5 years	11.2	10.1
Female householder families	19.6	17.0
With related children under 18 years	29.8	26.9
With related children under 5 years	41.7	37.8

Source: U.S. Bureau of the Census, 1990 CPH-L-80 and 81, table 3.

Table 13.20-- POVERTY INCOME GUIDELINES: 1993 TO 2001

[In dollars. These family income levels are poverty thresholds established by the U.S. Department of Health and Human Services to determine eligibility for certain Federal programs for the poor]

Size of family unit	Feb. 12, 1993	Feb. 10, 1994	Feb. 9, 1995	Mar. 4, 1996	Mar. 10, 1997	Feb. 24, 1998	Mar. 19, 1999	Feb. 15, 2000	Feb. 16, 2001
1	8,040	8,470	8,610	8,910	9,070	9,260	9,490	9,590	9,890
2	10,860	11,320	11,550	11,920	12,200	12,480	12,730	12,930	13,360
3	13,680	14,170	14,490	14,930	15,330	15,700	15,970	16,270	16,830
4 1/	16,500	17,020	17,430	17,940	18,460	18,920	19,210	19,610	20,300
5	19,320	19,870	20,370	20,950	21,590	22,140	22,450	22,950	23,700
6	22,140	22,720	23,310	23,960	24,720	25,360	25,690	26,290	27,240
7	24,960	25,570	26,250	26,970	27,850	28,580	28,930	29,630	30,710
8	27,780	28,420	29,190	29,980	30,980	31,800	32,170	32,970	34,180
Add'n member	2,820	2,850	2,940	3,010	3,130	3,220	3,240	3,340	3,470

1/ For 2001, corresponding levels for four-person families elsewhere in the United States were \$17,650 on the Mainland and \$22,070 in Alaska. For 2000, levels were \$17,050 on the Mainland and \$21,320 in Alaska. For 1999, levels were \$16,700 on the Mainland and \$20,880 in Alaska.

Source: U.S. Department of Health and Human Services, "Annual Update of the HHS Poverty Guidelines," *Federal Register*, February 12, 1993, February 10, 1994, February 9, 1995, March 4, 1996, March 10, 1997, February 24, 1998; March 18, 1999, February 15, 2000, and February 16, 2001. Also for 1994-1999 http://www.access.gpo.gov/su_docs/aces/aces140.htm; for 2000, under Health and Human Services http://www.access.gpo.gov/su_docs/fedreg/a000215c; for 2001, under Health and Human Services http://www.access.gpo.gov/su_docs/fedreg/a010216c.html

Table 13.21-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU: 1992-93 TO 1998-99

[Annual averages for two-year periods. No data were released for 1995-96]

Item	1992-93	1993-94	1994-95	1996-97	1997-98	1998-99
Average annual expenditures	38,997	43,214	40,999	41,992	42,636	42,474
Food	7,104	6,815	5,918	5,672	6,206	6,300
Food at home	3,889	3,899	3,292	3,493	3,479	3,423
Cereals and bakery products	582	606	504	517	523	501
Meats, poultry, fish, and eggs	1,151	1,144	882	923	974	935
Dairy products	294	294	258	304	281	298
Fruits and vegetables	781	751	629	717	725	690
Other food at home	1,080	1,105	1,020	1,033	976	999
Food away from home	3,215	2,916	2,626	2,179	2,727	2,877
Alcoholic beverages	503	417	440	381	467	406
Housing	12,261	14,301	14,168	13,638	14,775	14,676
Shelter	8,352	9,957	9,720	9,371	10,233	10,079
Owned dwellings	4,163	5,399	5,244	5,458	6,290	6,156
Rented dwellings	3,837	3,896	3,734	3,584	3,602	3,403
Other lodging	351	662	742	329	341	520
Utilities, fuels, and public serv.	1,673	1,835	1,837	1,975	2,011	2,032
Household operations	430	532	653	387	419	514
Housekeeping supplies	483	489	446	526	540	554
Housefurnishings and equipment	1,324	1,489	1,511	1,379	1,571	1,497
Apparel and services	2,086	1,712	1,485	2,215	1,876	1,995
Transportation	5,490	2,259	6,350	7,955	6,845	5,354
Vehicle purchases (net outlay)	1,809	2,259	2,231	3,521	2,394	999
Gasoline and motor oil	819	937	911	1,046	1,111	1,060
Other vehicle expenses	2,083	2,246	2,329	2,357	2,427	2,262
Public transportation	780	942	879	1,032	913	1,033
Health care	1,661	1,910	1,848	1,618	1,905	2,188
Entertainment	1,652	1,870	1,958	2,041	1,906	2,083
Personal care prod. and services	496	528	502	709	617	638
Reading	203	233	230	216	207	193
Education	1,043	1,428	1,117	847	1,141	1,147
Tobacco prod. and smoking sup.	282	257	227	280	222	217
Miscellaneous	1,109	1,324	1,275	964	962	978
Cash contributions	1,029	1,253	1,113	892	782	1,410
Personal insurance and pensions	4,078	4,781	4,368	4,564	4,724	4,890
Life and other personal insur.	424	594	546	743	777	687
Pensions and Social Security	3,654	4,187	3,822	3,821	3,947	4,203

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Table 13.21-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU: 1992-93 TO 1998-99--Con.

Item	1992-93	1993-94	1994-95	1996-97	1997-98	1998-99
Consumer unit characteristics:						
Number of consumer units	265,000	257,000	274,000	263,000	275,000	298,000
Income before taxes (dollars) 1/	46,404	52,064	51,847	49,255	53,461	53,537
Age of reference person	48.2	49.3	49.8	49.6	50.4	51.9
Number of persons	2.7	2.8	2.7	2.9	3.0	2.9
Number of children under 18	(NA)	0.7	0.6	0.7	0.8	0.7
Number of persons 65 and over	(NA)	0.4	0.4	0.3	0.4	0.4
Number of earners	1.6	1.7	1.6	1.5	1.5	1.5
Number of vehicles	1.6	1.7	1.6	1.7	1.8	1.7
Percent homeowner	47	52	51	54	56	57

NA Not available.

1/ Components of income and taxes are derived from "complete income reporters" only.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Selected Western Metropolitan Statistical Areas: Average Annual Expenditures, Characteristics, and Sources of Income of Consumer Units* (annual) and <<http://stats.bls.gov/csxhome.htm>>.

Table 13.22-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR THE WESTERN UNITED STATES (INCLUDING HONOLULU): 1998-99

[Annual averages for two-year periods. Number in units, unless otherwise specified. Expenditures in dollars]

Item	All consumer units in the West	Los Angeles	San Francisco	San Diego	Portland	Seattle	Anchor-age	Phoenix	Denver	Honolulu	Honolulu Rank 1/
Average annual expenditures	40,647	43,192	51,015	44,179	43,331	44,065	50,955	40,167	44,413	42,474	8
Food	5,312	5,204	6,963	5,292	5,855	6,080	6,267	4,981	5,172	6,300	2
Food at home	3,132	3,013	4,214	2,849	3,557	3,486	3,922	2,670	2,793	3,423	5
Cereals and bakery products	466	435	660	444	539	545	524	371	432	501	5
Meats, poultry, fish, and eggs	761	815	1,047	671	770	805	977	607	593	935	3
Dairy products	341	319	409	304	397	362	408	334	318	298	9
Fruits and vegetables	562	563	794	530	670	641	699	454	439	690	3
Other food at home	1,001	881	1,304	901	1,182	1,133	1,313	904	1,012	999	6
Food away from home	2,180	2,192	2,749	2,443	2,298	2,594	2,345	2,311	2,378	2,877	1
Alcoholic beverages	372	297	516	462	430	541	508	437	490	406	8
Housing	13,756	15,934	18,058	16,266	13,847	14,905	17,375	12,891	15,417	14,676	7
Shelter	8,515	10,087	11,885	10,457	8,708	9,393	10,531	7,723	9,728	10,079	5
Owned dwellings	5,230	5,804	7,376	6,101	5,568	6,166	6,169	4,689	6,120	6,156	4
Rented dwellings	2,709	3,671	3,818	3,756	2,601	2,461	3,367	2,538	2,296	3,403	4
Other lodging	575	612	691	600	539	766	995	496	1,312	520	8
Utilities, fuels, and public services	2,179	2,267	2,193	1,977	2,160	2,262	2,614	2,459	2,200	2,032	8
Household operations	781	1,256	1,128	989	675	666	958	669	860	514	9
Housekeeping supplies	513	469	620	514	506	693	700	479	482	554	4
Housefurnishings and equipment	1,768	1,856	2,232	2,327	1,799	1,890	2,573	1,562	2,147	1,497	9
Apparel and services	1,863	2,158	2,444	2,018	1,687	1,932	1,957	2,057	1,958	1,995	5
Transportation	7,423	7,551	8,186	8,550	8,117	7,650	9,284	8,212	8,233	5,354	9
Vehicle purchases (net outlay)	3,180	2,976	3,164	3,988	4,123	2,867	3,812	4,035	3,116	999	9
Gasoline and motor oil	1,129	1,157	1,232	1,177	1,103	1,216	1,300	1,016	1,107	1,060	8

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Table 13.22-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR THE WESTERN UNITED STATES (INCLUDING HONOLULU): 1998-99-- Con.

Item	All consumer units in the West	Los Angeles	San Francisco	San Diego	Portland	Seattle	Anchor-age	Phoenix	Denver	Honolulu	Hono-lulu Rank 1/
Transportation - con.:											
Other vehicle expenses	2,585	2,860	2,954	2,748	2,373	2,843	3,191	2,697	3,380	2,262	9
Public transportation	530	558	836	637	519	725	981	464	631	1,033	1
Health care	1,869	1,757	1,792	1,850	1,837	1,931	2,324	2,007	1,915	2,188	2
Entertainment	2,139	1,905	2,395	2,684	2,283	3,060	3,562	2,036	2,570	2,083	7
Personal care products and services	449	472	558	544	424	522	524	455	419	638	1
Reading	181	144	257	191	198	256	312	182	234	193	6
Education	676	668	875	398	728	618	576	535	632	1,147	1
Tobacco products and smoking supplies	217	177	192	166	256	311	419	251	288	217	6
Miscellaneous	1,058	1,305	1,136	847	826	1,087	1,480	958	1,325	978	6
Cash contributions	1,342	1,352	2,056	842	2,036	873	1,225	1,538	969	1,410	4
Personal insurance and pensions	3,990	4,269	5,587	4,070	4,807	4,299	5,141	3,627	4,791	4,890	3
Life and other personal insurance	355	349	330	452	462	427	574	336	427	687	1
Pensions and Social Security	3,636	3,920	5,257	3,618	4,345	3,872	4,568	3,290	4,363	4,203	5
Consumer unit characteristics:											
Number of consumer units (thousands)	23,758	5,483	2,781	945	1,053	1,337	92	1,220	1,131	298	7
Income before taxes (dollars)	45,736	51,552	59,224	49,988	47,414	52,304	59,391	44,090	52,948	53,537	3
Age of reference person	46.5	47.0	47.3	49.0	47.2	48.1	42.5	46.1	44.7	51.9	1
No. of persons in consumer unit	2.6	2.8	2.5	2.5	2.5	2.5	2.6	2.5	2.4	2.9	1
No. of children under 18 in consumer unit	0.7	0.8	0.6	0.6	0.7	0.6	0.8	0.7	0.6	0.7	3
No. of persons 65 and over in consumer unit	0.3	0.3	0.3	0.3	0.2	0.3	0.1	0.3	0.2	0.4	1
No. of earners	1.4	1.4	1.4	1.2	1.4	1.4	1.5	1.3	1.5	1.5	3
No. of vehicles	2.0	1.9	1.9	2.0	2.2	2.5	2.6	1.8	2.2	1.7	9
Percent homeowner	59.0	53.0	59.0	53.0	59.0	66.0	58.0	60.0	67.0	57.0	7

1/ Within the nine Metropolitan Statistical Areas designated for the Western United States.

Source: U.S. Dept. of Labor, Bureau of Labor Statistics, *Selected Western Metropolitan Statistical Areas: Average Annual Expenditures, Characteristics, and Sources of Consumer Units 1997-98* <<http://stats.bls.gov/csxhome.htm>>.

Table 13.23-- TOP WEALTHHOLDERS: 1962 TO 1995

[Top wealthholders are defined as persons with a gross estate in excess of specified amounts, rising from \$60,000 in 1962 to \$600,000 in 1989. All figures are estimates based on estate tax return samples]

Group and year	Number of top wealth-holders	Millions of dollars		
		Total assets	Debts and mortgages	Net worth
Gross estate over \$60,000:				
1962	11,323	1,908	231	1,677
1969	36,470	6,327	1,090	5,236
1972	53,700	7,866	1,369	6,497
Gross estate over \$120,000:				
1976	39,000	7,436	1,546	5,890
Gross estate over \$325,000:				
1982	20,300	14,767	3,523	11,244
Gross estate over \$500,000:				
1982	8,700	10,864	2,919	7,946
1986	11,000	11,330	1,475	9,855
Gross estate over \$600,000:				
1989	22,300	28,393	2,447	25,947
1992	32,280	39,198	3,543	35,655
1995	24,000	25,944	2,745	23,199

Source: U.S. Internal Revenue Service, *Statistics of Income -1962, Personal Wealth* (1967), pp. 55-56; *Statistics of Income -1969, Personal Wealth* (1973), pp. 57-58; *Statistics of Income- 1972, Personal Wealth Estimated from Estate Tax Returns* (1976), table 33; and *Statistics of Income Bulletin, Summer 1983*, pp. 1-26, *Spring 1988*, pp. 31-46; *Spring 1990*, pp. 63-78; *Spring 1993*, pp. 105-121; *Winter 1997-98*, and *Winter 1999-2000*, Table 6. Also, http://www.irs.ustreas.gov/prod/tax_stats/soi/soi_bul.html and for 1995 <http://www.irs.treas.gov/prod/tax_stats/soi/est_pw.html/95PWART.EXE> accessed June 19, 2001.

Table 13.24--TOP WEALTHHOLDERS WITH TOTAL ASSETS OF \$600,000 OR MORE AND NET WORTH UNDER \$10,000,000; TOTAL AND SELECTED ASSETS, DEBTS, AND NET WORTH, U.S. AND HAWAII: 1995

[Data are estimates based on samples. Numbers are in thousands.
Amounts are in millions of dollars]

Category	United States	Hawaii	Hawaii as percent of U.S.
Top wealthholders: Number	4,360	24	0.6
Total assets: Amount	5,482,241	25,944	0.5
Debts: Number	3,433	20	0.6
Amount	580,279	2,745	0.5
Net worth: Number	4,360	24	0.6
Amount	4,901,962	23,199	0.5
Real estate: Number	3,963	23	0.6
Amount	1,580,544	12,807	0.8
Corporate estate stock: Number	3,358	15	0.4
Amount	1,297,053	3,796	0.3
Cash and money market accounts: Number	4,171	23	0.6
Amount	360,360	1,613	0.4
Total bonds: Number	2,360	8	0.3
Amount	571,283	1,790	0.3

Source: U. S. Department of Treasury, Internal Revenue Service, *Statistics of Income Bulletin, Winter 1999-2000*, Table 6. Also, http://www.irs.ustreas.gov/prod/tax_stats/soi/soi_bul.html and for 1995 <http://www.irs.treas.gov/prod/tax_stats/soi/est_pw.html/95PWART.EXE> accessed June 19, 2001.

Table 13.25-- (NET) WORTH OF RICHEST RESIDENTS: 1996 TO 2000

Name	Residence	Age (years)	Net worth (million dollars)	Primary sources
1996				
Anthony, Barbara Cox	Honolulu	73	4,000	Inheritance (Cox Enterprises, newspapers, cable TV)
Campbell family	Hawaii	...	1,000	Land, investments
Damon family	Hawaii, California	...	750	Banking, real estate
Robinson family	Kauai, Hawaii	...	450	Real estate
1997				
Anthony, Barbara Cox 1/	Honolulu	74	5,000	Inheritance (Cox Enterprises, newspapers, cable TV)
Campbell family 2/	Hawaii	...	1,100	Land, investments
1998				
Anthony, Barbara Cox 1/	Honolulu	75	7,100	Inheritance (Cox Enterprises, newspapers, cable TV)
Campbell family 2/	Hawaii	...	1,700	Land, investments
1999				
Anthony, Barbara Cox 1/	Honolulu	76	9,700	Inheritance (Cox Enterprises, newspapers, cable TV)
Campbell family 2/	Hawaii	...	1,700	Land, investments
2000 3/				
Anthony, Barbara Cox 1/	Honolulu	77	10,000	Inheritance (Cox Enterprises, newspapers, cable TV)
Campbell family 2/	Hawaii	...	1,700	Land, investments

1/ Sisters Barbara and Anne Cox Chambers, of Atlanta, share a fortune. It was worth more than \$19 billion in 1999 and \$20 billion in 2000. In 2000, the sisters tied at rank of 18 with net worth of \$10 billion each. They have been members of the Forbes 400 since 1982.

2/ Prior to 2000, Forbes online database was sortable. The "By State" yielded only Ms. Anthony for Hawaii. The Campbell Family was misidentified without a "Hometown". In 2000, the Richest 400 on-line is not sortable by state. However, the Campbell family residence is now correctly listed as "Hawaii".

3/ David Howard Murdoch, owner of Castle & Cooke which owns most of Lanai, is ranked at 274 with a net worth of \$1 billion. Mr. Murdoch's residence is listed as Bel Air.

Source: "The Forbes Four Hundred," *Forbes*, October 17, 1994, pp. 100-348; October 16, 1995, pp 106-368; October 14, 1996, pp. 100-356. October 13, 1997, October 12, 1998, October 11, 1999, and October 9, 2000 and <<http://www.forbes.com/tool/toolbox/rich400/>> accessed August 5, 2001.

Section 14

PRICES

This section presents indexes of consumer prices for Honolulu and for the United States, the implicit price deflator for gross state product, and comparisons of Honolulu living costs with those in other urban areas and cities in foreign countries. Other statistics on prices are reported in Sections 7, 16, 17, 18, 21, and 23.

The Honolulu Consumer Price Index has been compiled by the U.S. Bureau of Labor Statistics (BLS) since December 1963. This index measures the average change in prices of goods and services purchased by urban households. Prices are expressed as a percent of the average levels reported in the base period, 1982-1984.

Official comparisons of Honolulu and Mainland living costs are no longer being made on a regular basis. The annual four-person family budgets estimated by the BLS for Honolulu and the Mainland were discontinued after 1981. Unofficial estimates by the Bank of Hawaii are available for 1982-1998. A comparison of prices in Hawaii and Washington, D.C., compiled for the U.S. Office of Personnel Management as a basis for cost of living adjustments for Federal employees are also included. These studies are subject to technical limitations and must be interpreted with considerable caution.

No composite wholesale or producer price index is available for Hawaii. Average wholesale prices of agricultural products are reported in *Statistics of Hawaiian Agriculture*, issued by the Hawaii Agricultural Statistics Service, and in various other publications of the Hawaii State Department of Agriculture. Wholesale price statistics of other commodities are seldom available.

Data on prices and living costs for the nation as a whole and other areas are summarized in the *Statistical Abstract of the United States: 2000*, Section 15. Long-term trends for Hawaii are traced in *Historical Statistics of Hawaii*, Section 5.

**Table 14.01-- IMPLICIT PRICE DEFLATOR FOR EXPENDITURES ON
GROSS STATE PRODUCT: 1985 TO 2000**

[1992 = 100]

Year	Deflator 1992 = 100	Percent change from year previous	Year	Deflator 1992 = 100	Percent change from year previous
1985	71.3	3.3	1993	102.6	2.6
1986	73.0	2.3	1994	105.2	2.5
1987	76.3	4.5	1995	107.2	1.9
1988	80.3	5.3	1996	108.8	1.5
1989	84.4	5.1	1997	109.5	0.7
1990	89.8	6.4	1998	109.3	-0.2
1991	95.4	6.3	1999	110.4	1.0
1992	100.0	4.8	2000	112.1	1.6

Source: Hawaii State Department of Business, Economic Development & Tourism, records.

Table 14.02-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 2000

[1982-1984 average = 100. Excludes rent before 1963]

Year	Honolulu		United States	
	Annual average	Percent change from year previous	Annual average	Percent change from year previous
1940	14.7	(NA)	14.0	(NA)
1941	15.5	5.4	14.7	5.0
1942	17.6	13.5	16.3	10.9
1943	18.9	7.4	17.3	6.1
1944	19.2	1.6	17.6	1.7
1945	19.7	2.6	18.0	2.3
1946	21.0	6.6	19.5	8.3
1947	24.4	16.2	22.3	14.4
1948	25.7	5.3	24.1	8.1
1949	25.2	-1.9	23.8	-1.2
1950	24.3	-3.6	24.1	1.3
1951	25.7	5.8	26.0	7.9
1952	26.5	3.1	26.5	1.9
1953	26.7	0.8	26.7	0.8
1954	26.9	0.7	26.9	0.7
1955	27.3	1.5	26.8	-0.4
1956	27.7	1.5	27.2	1.5
1957	28.6	3.2	28.1	3.3
1958	30.0	4.9	28.9	2.8
1959	30.5	1.7	29.1	0.7
1960	31.3	2.6	29.6	1.7
1961	32.1	2.6	29.9	1.0
1962	32.8	2.2	30.2	1.0
1963	33.5	2.1	30.6	1.3
1964	33.7	0.6	31.0	1.3
1965	34.4	2.1	31.5	1.6
1966	35.3	2.6	32.4	2.9
1967	36.3	2.8	33.4	3.1
1968	37.7	3.9	34.8	4.2
1969	39.4	4.5	36.7	5.5
1970	41.5	5.3	38.8	5.7
1971	43.2	4.1	40.5	4.4
1972	44.6	3.2	41.8	3.2
1973	46.6	4.5	44.4	6.2
1974	51.5	10.5	49.3	11.0
1975	56.3	9.3	53.8	9.1
1976	59.1	5.0	56.9	5.8
1977	62.1	5.1	60.6	6.5
1978	66.9	7.7	65.2	7.6
1979	74.3	11.1	72.6	11.3

Continued on next page.

**Table 14.02-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS
(CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES:
1940 TO 2000--Con.**

Year	Honolulu		United States	
	Annual average	Percent change from year previous	Annual average	Percent change from year previous
1980	83.0	11.7	82.4	13.5
1981	91.7	10.5	90.9	10.3
1982	97.2	6.0	96.5	6.2
1983	99.3	2.2	99.6	3.2
1984	103.5	4.2	103.9	4.3
1985	106.8	3.2	107.6	3.6
1986	109.4	2.4	109.6	1.9
1987	114.9	5.0	113.6	3.6
1988	121.7	5.9	118.3	4.1
1989	128.7	5.8	124.0	4.8
1990	138.1	7.3	130.7	5.4
1991	148.0	7.2	136.2	4.2
1992	155.1	4.8	140.3	3.0
1993	160.1	3.2	144.5	3.0
1994	164.5	2.7	148.2	2.6
1995	168.1	2.2	152.4	2.8
1996	170.7	1.5	156.9	3.0
1997	171.9	0.7	160.5	2.3
1998	171.5	-0.2	163.0	1.6
1999	173.3	1.0	166.6	2.2
2000	176.3	1.7	172.2	3.4

Source: For Honolulu: 1940-1963 from surveys by Eugene Danaher and Hawaii State Department of Labor and Industrial Relations, cited in Hawaii State Department of Planning and Economic Development, *The Honolulu Consumer Price Index, 1940-1986* (Statistical Report 187, May 30, 1986), as shifted to 1982-1984 base. 1987-2000: U. S. Department of Labor, Bureau of Labor Statistics, CPI-U and CPI-W, All Items, Historical Series, for Honolulu, BLS FAX-on-Demand Code 9130 and 9225; for the U.S, Code 9210; and <<http://www.stats.bls.gov>> , accessed February 21, 2001.

Table 14.03-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUALLY, 1984 TO 2000

[Index number 1982-1984 average = 100 and percentage change from same period previous year]

Year	All urban consumers (CPI-U)			Urban wage earners and clerical workers (CPI-W)		
	Annual average	First half	Second half	Annual average	First half	Second half
Index number						
1984	103.5	102.5	104.4	104.3	103.0	105.5
1985	106.8	106.3	107.4	107.9	107.4	108.4
1986	109.4	108.9	109.9	110.3	109.9	110.7
1987	114.9	113.3	116.5	115.9	114.3	117.6
1988	121.7	120.1	123.4	122.8	121.1	124.5
1989	128.7	126.4	131.1	129.7	127.4	132.0
1990	138.1	135.5	140.8	138.9	136.3	141.6
1991	148.0	146.8	149.1	148.9	147.7	150.1
1992	155.1	153.9	156.4	155.9	154.6	157.2
1993	160.1	158.6	161.6	160.7	159.4	162.0
1994	164.5	163.4	165.7	164.7	163.5	165.8
1995	168.1	166.9	169.4	168.4	167.2	169.7
1996	170.7	170.5	171.0	171.0	170.8	171.2
1997	171.9	172.1	171.8	172.2	172.4	172.0
1998	171.5	172.0	171.0	171.6	172.3	171.0
1999	173.3	172.7	173.8	173.4	173.0	173.9
2000	176.3	175.9	176.7	176.5	176.0	176.9
Percentage change from same period previous year						
1985	3.2	3.7	2.9	3.5	4.3	2.7
1986	2.4	2.4	2.3	2.2	2.3	2.1
1987	5.0	4.0	6.0	5.1	4.0	6.2
1988	5.9	6.0	5.9	6.0	5.9	5.9
1989	5.8	5.2	6.2	5.6	5.2	6.0
1990	7.3	7.2	7.4	7.1	7.0	7.3
1991	7.2	8.3	5.9	7.2	8.4	6.0
1992	4.8	4.8	4.9	4.7	4.7	4.7
1993	3.2	3.1	3.3	3.1	3.1	3.1
1994	2.7	3.0	2.5	2.5	2.6	2.3
1995	2.2	2.1	2.2	2.2	2.3	2.4
1996	1.5	2.2	0.9	1.5	2.2	0.9
1997	0.7	0.9	0.5	0.7	0.9	0.5
1998	-0.2	-0.1	-0.5	-0.3	-0.1	-0.6
1999	1.0	0.4	1.6	1.0	0.4	1.7
2000	1.7	1.9	1.7	1.8	1.7	1.7

Source: U.S. Bureau of Labor Statistics, CPI-U and CPI-W, All Items, Historical Series, Honolulu, HI, FAX-on-Demand Code 9225; and <<http://www.stats.bls.gov>> , accessed February 21, 2001 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.04-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS
(CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP,
FOR HONOLULU: ANNUAL AVERAGES, 1996 TO 2000**

[Unless otherwise specified, 1982-1984 average=100]

Group	1996	1997	1998	1999	2000
All items	170.7	171.9	171.5	173.3	176.3
Food and beverages	156.6	159.2	159.1	162.9	164.8
Food	156.6	159.5	159.1	163.0	164.8
Food at home	159.5	164.2	162.6	166.2	166.9
Cereals and bakery products	170.8	168.8	(NA)	(NA)	(NA)
Meats, poultry, fish, and eggs	135.6	137.8	(NA)	(NA)	(NA)
Meats, poultry, and fish	135.1	137.2	(NA)	(NA)	(NA)
Dairy products	139.4	144.9	(NA)	(NA)	(NA)
Fruits and vegetables	194.9	204.4	(NA)	(NA)	(NA)
Other foods at home	165.1	172.5	(NA)	(NA)	(NA)
Food away from home	150.8	152.6	153.3	158.3	160.0
Alcoholic beverages	156.2	155.2	158.8	161.9	163.9
Housing	176.8	177.1	176.0	175.8	177.9
Shelter	193.5	192.4	192.3	191.7	191.9
Renters' costs 1/	200.3	200.0	(NA)	(NA)	(NA)
Rent, residential	187.3	185.7	183.5	181.7	180.3
Other renters' costs	235.3	242.8	(NA)	(NA)	(NA)
Homeowners' costs 1/	199.3	197.9	(NA)	(NA)	(NA)
Owners' equivalent rent 1/	200.4	199.0	198.3	197.0	196.3
Fuel and other utilities	133.8	137.1	131.0	133.4	147.4
Fuels	115.9	119.8	112.2	114.3	130.8
Gas (piped) and electricity	115.2	119.1	111.8	113.7	129.8
Electricity	114.5	118.6	111.4	113.4	129.1
Utility (piped) gas	114.7	116.1	107.5	109.2	126.8
Household furnishings and operation	146.4	150.0	145.8	146.4	152.4
Apparel and upkeep	118.5	117.3	112.2	105.4	103.5
Apparel commodities	115.0	113.8	(NA)	(NA)	(NA)
Men's and boys' apparel	149.0	147.3	(NA)	(NA)	(NA)
Women's and girls' apparel	95.2	94.6	(NA)	(NA)	(NA)
Footwear	96.8	98.1	(NA)	(NA)	(NA)
Transportation	167.0	166.0	162.5	162.2	169.6
Private transportation	168.2	167.2	161.7	160.4	166.9
Motor fuel	131.9	132.0	129.3	119.9	141.8
Gasoline	134.9	135.1	132.4	122.6	144.8
Unleaded, regular	141.4	141.9	138.6	128.8	151.7
Unleaded midgrade 2/	105.9	105.3	103.6	95.5	114.5
Unleaded, premium	123.8	123.8	121.9	112.4	132.7
Public transportation	156.0	156.9	(NA)	(NA)	(NA)

Continued on next page.

**Table 14.04-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS
(CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP,
FOR HONOLULU: ANNUAL AVERAGES, 1996 TO 2000 -- Con.**

Group	1996	1997	1998	1999	2000
Medical care	215.0	217.3	226.1	231.3	239.8
Entertainment	147.8	147.9	(NA)	(NA)	(NA)
Education & Communication 3/	(NA)	(NA)	99.1	104.5	106.5
Recreation 3/	(NA)	(NA)	100.8	101.9	102.8
Other goods and services	226.5	239.0	256.1	275.6	279.7
Personal care	169.4	169.2	(NA)	(NA)	(NA)
All items	170.7	171.9	171.5	173.3	176.3
Commodities	146.3	148.3	147.5	148.2	150.3
Food and beverages	156.6	159.2	159.1	162.9	164.8
Commodities less food and beverages	138.1	139.6	138.2	136.6	138.9
Nondurables less food and beverages	142.2	143.2	142.9	141.0	146.1
Durables	131.8	134.2	131.0	129.7	128.5
Services	192.1	192.8	192.6	195.3	199.1
Medical care services	216.7	217.4	226.1	(NA)	(NA)
Special indexes:					
All items less shelter	161.8	164.0	163.4	166.2	170.5
All items less medical care	168.3	169.4	168.6	170.2	173.0
All items less energy	175.5	176.7	176.6	178.7	180.7
Energy	124.4	126.3	121.0	117.9	137.0
All items less food and energy	180.5	181.4	181.3	183.0	185.1
Commodities less food	138.9	140.3	139.1	137.7	140.1
Nondurables less food	143.0	143.9	143.9	142.4	147.3
Nondurables	150.1	152.0	151.9	153.3	156.5
Services less rent of shelter 1/	192.9	195.4	195.3	202.0	210.4
Services less medical care	189.7	190.3	189.7	192.2	195.5

NA Not available.

1/ Indexes on a December 1982=100 base.

2/ Indexes on a December 1993=100 base.

3/ Indexes on a December 1997=100 base.

Source: U.S. Bureau of Labor Statistics, CPI-U and CPI-W, All Items, Historical Series, Honolulu, HI; BLS FAX-on Demand Codes 2265 and 9225; and <<http://stats.bls.gov/ro9news.htm#CPI>>, February 21, 2001.

Table 14.05-- RELATIVE IMPORTANCE OF COMPONENTS IN THE CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), FOR THE UNITED STATES AND HONOLULU, DECEMBER 1999 AND 2000

[Percent of all items. 1999 and 2000 based on Consumer Expenditure Survey 1993-95]

Group	1999 CPI-U		2000 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
Relative importance of local area	100.000	0.422	100.000	0.414
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	16.302	18.331	16.198	17.857
Food	15.315	17.175	15.217	16.661
Food at home	9.603	9.722	9.560	9.313
Cereals and bakery products	1.534	(NA)	1.522	(NA)
Meats, poultry, fish, and eggs	2.543	(NA)	2.573	(NA)
Meats, poultry, and fish	2.441	(NA)	2.457	(NA)
Dairy products	1.090	(NA)	1.050	(NA)
Fruits and vegetables	1.429	(NA)	1.454	(NA)
Other foods at home	1.962	(NA)	1.935	(NA)
Food away from home	5.712	7.454	5.638	7.348
Alcoholic beverages	0.987	1.156	0.981	1.196
Housing	39.636	40.499	39.980	40.839
Shelter	30.235	33.374	30.251	33.384
Renters' costs	(NA)	(NA)	(NA)	(NA)
Rent, residential	7.036	8.586	7.079	8.523
Other renters' costs	(NA)	(NA)	(NA)	(NA)
Tenants' and household insurance	0.370	(NA)	0.366	(NA)
Homeowners' costs	(NA)	(NA)	(NA)	(NA)
Owners' equivalent rent	20.470	21.600	20.460	21.455
Lodging away from home	2.359	(NA)	2.346	(NA)
Fuel and other utilities	4.722	3.172	5.123	3.413
Fuels	3.794	2.314	4.199	2.565
Fuel oil, and other household fuel	0.273	(NA)	0.361	(NA)
Fuel oil	0.197	(NA)	0.268	(NA)
Other household fuel commodities	0.076	(NA)	0.093	(NA)
Gas (piped) and electricity	3.521	2.274	3.838	2.502
Electricity	2.473	2.091	2.453	2.302
Utility (piped) gas	1.048	0.183	1.385	0.201
Water and sewer and trash collection	0.928	(NA)	0.924	(NA)
Household furnishings and operation	4.680	3.953	4.605	4.041

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**Table 14.05-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), FOR
THE UNITED STATES AND HONOLULU, DECEMBER 1999 AND 2000-- Con.**

Group	1999 CPI-U		2000 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
EXPENDITURE CATEGORY -- Con.				
Apparel and upkeep	(NA)	(NA)	(NA)	(NA)
Apparel commodities	4.684	3.600	4.453	3.340
Men's and boys' apparel	1.335	(NA)	1.257	(NA)
Women's and girls' apparel	1.879	(NA)	1.787	(NA)
Footwear	0.828	(NA)	0.801	(NA)
Infants' and toddlers' apparel	0.272	(NA)	0.254	(NA)
Jewelry and watches	0.370	(NA)	0.354	(NA)
Transportation	17.450	14.001	17.567	14.640
Private transportation	16.050	11.706	16.157	12.291
Motor fuel	3.180	1.821	3.482	2.341
Gasoline (all types)	3.140	1.803	3.458	2.318
Public transportation	1.400	(NA)	1.410	(NA)
Medical care	5.768	5.201	5.813	5.407
Entertainment	(NA)	(NA)	(NA)	(NA)
Recreation	6.008	6.231	5.908	6.143
Education and communication	5.419	7.715	5.311	7.314
Other goods and services	4.733	4.422	4.769	4.461
Personal care	3.475	(NA)	3.461	(NA)
COMMODITY AND SERVICE GROUP				
All items	100.000	100.000	100.000	100.000
Commodities	42.141	38.492	41.828	38.004
Food and beverages	18.302	18.331	16.198	17.857
Commodities less food and beverages	25.840	20.161	25.629	20.146
Nondurables less food and beverages	14.906	11.841	15.056	12.079
Durables	10.222	8.320	10.573	8.067
Services	57.859	61.508	58.172	61.996
Medical care services	4.501	(NA)	4.552	(NA)

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**Table 14.05-- RELATIVE IMPORTANCE OF COMPONENTS IN THE
CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), FOR
THE UNITED STATES AND HONOLULU, DECEMBER 1999 AND 2000-- Con.**

Group	1999 CPI-U		2000 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
EXPENDITURE CATEGORY -- Con.				
Special indexes:				
All items less shelter	69.765	66.626	69.749	66.616
All items less medical care	94.232	94.799	94.187	94.593
All items less energy	93.046	95.865	92.319	95.094
All items less food and energy	77.731	78.690	77.102	78.433
Energy	6.954	4.135	7.681	4.906
Commodities less food	26.827	21.317	26.610	21.342
Nondurables less food	15.893	12.997	16.037	13.275
Nondurables	31.208	30.172	31.255	29.936
Services less rent of shelter	27.994	23.435	28.287	28.909
Rent of shelter	29.865	(NA)	29.885	(NA)
Services less medical care services	53.358	57.461	53.620	57.739

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Relative Importance of Components in the Consumer Price Index, 1998, Bulletin 2527*, May 2000, (pp. 2-6, 8, 20); for 2000, *Ibid., Bulletin 2535*, April 2001 (pp. 2-6, 8, 20).

**Table 14.06-- ANNUAL INTERMEDIATE BUDGET FOR A FOUR-PERSON
FAMILY ON OAHU: 1971 TO 1998**

[Hypothetical budgets for a family of specified characteristics, based on 1972-1973 expenditure patterns as updated by the consumer price index and current tax rates. The 1981 values are official estimates published by the U.S. Bureau of Labor Statistics; the 1982-97 are revised and 1998 are preliminary unofficial estimates prepared by the Bank of Hawaii, using comparable assumptions and methodology. Users of these estimates should bear in mind the limitations imposed by the underlying assumptions and methods]

Year	Dollars	Percent of urban U.S.	Year	Dollars	Percent of urban U.S.
1971	13,108	119.5	1985	36,546	122.1
1972	13,617	119.0	1986	38,367	123.6
1973	14,937	118.3	1987	40,423	123.3
1974	17,019	118.8	1988	43,710	127.9
1975	18,107	117.0	1989	46,113	126.9
1976	19,036	117.2	1990	51,094	132.8
1977	20,883	122.1	1991	52,984	132.3
1978	23,099	124.0	1992	55,526	136.2
1979	25,799	125.7	1993	56,349	133.9
1980	28,488	123.2	1994	56,994	131.1
1981	31,893	125.5	1995	60,521	133.9
1982	33,774	126.4	1996	60,561	128.4
1983	33,725	124.0	1997	63,058	128.9
1984	34,944	122.6	1998 1/	64,402	127.1

1/ Preliminary.

Source: U.S. Bureau of Labor Statistics, *Autumn 1981 Urban Family Budgets and Comparative Indexes for Selected Urban Areas* (USDL: 82-139, April 16, 1981); 1982-98 estimates by Paul H. Brewbaker, Bank of Hawaii, Economics Research Center, <<http://www.boh.com/econ/>>.

Table 14.07-- ANNUAL INTERMEDIATE BUDGETS, BY ITEM, FOR A FOUR-PERSON FAMILY ON OAHU AND AS PERCENT OF UNITED STATES: 1981 TO 1998

[Hypothetical budgets for a family of specified characteristics, based on 1972-1973 expenditure patterns as updated by the consumer price index and current tax rates. The 1981 values are official estimates published by the U.S. Bureau of Labor Statistics; the 1982-97 are revised and 1998 are preliminary unofficial estimates prepared by the Bank of Hawaii, using comparable assumptions and methodology. Users of these estimates should bear in mind the limitations imposed by the underlying assumptions and methods]

Item	Oahu (dollars)								
	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total budget	31,893	33,774	33,725	34,944	36,546	38,367	40,423	43,710	46,113
Consumption	21,530	22,798	23,472	24,448	25,278	26,124	27,481	29,131	31,140
Food	7,626	7,900	8,063	8,413	8,690	8,883	9,238	9,761	10,582
Food at home	6,649	6,846	6,958	7,260	7,492	7,653	7,962	8,425	9,233
Food away from home	977	1,054	1,105	1,154	1,199	1,230	1,276	1,336	1,349
Housing	6,493	6,905	7,026	7,346	7,622	7,945	8,476	9,140	9,842
Owner shelter costs	5,467	5,813	5,895	6,205	6,469	6,780	7,319	7,998	8,655
Renter shelter costs	3,991	4,243	4,305	4,586	4,821	5,077	5,337	5,613	6,012
Household operation	1,395	1,485	1,529	1,545	1,565	1,591	1,653	1,738	1,848
Transportation	2,421	2,504	2,484	2,603	2,654	2,661	2,775	2,937	3,134
Clothing	1,432	1,491	1,537	1,518	1,509	1,512	1,553	1,618	1,581
Personal care	590	662	682	679	700	724	759	781	823
Medical care	1,590	1,780	1,965	2,086	2,200	2,377	2,486	2,575	2,708
Other 1/	1,378	1,556	1,714	1,802	1,902	2,022	2,193	2,318	2,470
Other items 2/	1,137	1,205	1,231	1,283	1,324	1,356	1,425	1,509	1,596
Social Security payments	2,049	2,217	2,216	2,540	2,808	3,037	3,239	3,507	3,831
Personal income taxes	7,177	6,818	6,675	6,968	7,562	7,894	8,848	9,174	10,262
Item	Oahu (dollars)								
	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total budget	51,094	52,984	55,526	56,349	56,994	60,521	60,561	63,058	64,402
Consumption	33,767	36,165	37,801	38,974	39,129	40,832	41,016	41,369	41,807
Food	11,594	12,203	12,404	12,660	12,676	13,028	12,660	12,883	13,109
Food at home	10,181	10,728	10,883	11,093	11,051	11,381	10,995	11,199	11,416
Food away from home	1,413	1,475	1,521	1,567	1,625	1,647	1,665	1,685	1,692
Housing	10,605	11,485	12,159	12,452	12,022	13,054	13,185	13,098	12,940
Owner shelter costs	9,416	10,266	10,887	11,069	10,682	11,590	11,678	11,596	11,620
Renter shelter costs	6,628	7,320	7,764	7,982	7,257	8,296	8,397	8,066	7,693
Household operation	1,885	1,956	2,052	2,155	2,196	2,287	2,327	2,384	2,302
Transportation	3,317	3,524	3,729	3,807	3,903	4,108	4,225	4,204	4,111
Clothing	1,621	1,674	1,731	1,765	1,818	1,781	1,796	1,777	1,700
Personal care	921	976	1,034	1,069	1,096	1,118	1,142	1,141	1,223
Medical care	2,997	3,330	3,549	3,837	4,022	4,078	4,179	4,224	4,395
Other 1/	2,712	2,972	3,196	3,383	3,591	3,666	3,830	4,041	4,330
Other items 2/	1,712	1,835	1,923	1,985	2,042	2,084	2,117	2,131	2,126
Social Security payments	4,094	4,228	4,367	4,478	4,837	5,280	5,516	5,800	6,100
Personal income taxes	10,355	10,850	10,798	11,166	11,742	12,136	13,268	14,241	15,285

Continued on next page.

Table 14.07-- ANNUAL INTERMEDIATE BUDGETS, BY ITEM, FOR A FOUR-PERSON FAMILY ON OAHU AND AS PERCENT OF UNITED STATES: 1981 TO 1998 --Con.

Item	Oahu as percent of urban U.S.								
	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total budget	125.5	126.4	124.0	122.6	122.1	123.6	123.3	127.9	126.9
Consumption	118.0	118.2	117.7	117.6	117.3	117.4	118.4	120.0	121.9
Food	130.5	130.3	130.9	131.6	133.4	132.3	132.0	133.9	136.7
Food at home	136.6	136.0	136.8	137.6	140.0	139.0	138.7	140.9	144.9
Food away from home	100.0	102.5	102.9	103.1	103.0	101.7	101.5	102.0	98.5
Housing	117.1	116.8	115.9	116.4	115.2	114.7	117.6	121.6	126.2
Owner shelter costs	111.9	111.4	110.2	110.8	109.6	108.8	112.3	116.9	120.8
Renter shelter costs	146.1	144.3	142.2	143.7	142.1	141.7	141.7	142.9	153.1
Household operation	116.3	117.5	118.3	117.6	116.9	117.3	119.7	123.7	128.3
Transportation	102.1	101.4	98.3	98.6	97.9	102.2	103.4	106.1	107.9
Clothing	107.4	109.0	109.6	106.3	102.7	102.0	100.3	100.2	95.2
Personal care	116.1	121.8	119.4	114.3	113.4	113.8	116.1	115.1	115.9
Medical care	110.2	110.5	112.2	112.2	111.4	111.9	109.8	106.7	104.2
Other 1/	115.2	118.0	117.2	115.4	114.8	115.0	117.9	116.9	115.5
Other items 2/	111.4	111.2	110.1	110.0	109.6	110.2	111.7	113.6	114.6
Social Security payments	120.3	120.2	120.2	122.3	123.7	124.7	125.5	126.4	127.4
Personal income taxes	161.5	151.7	155.5	156.3	154.1	154.0	154.8	157.8	160.6

Item	Oahu as percent of urban U.S.								
	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total budget	132.8	132.3	136.2	133.9	131.1	133.9	128.4	128.9	127.1
Consumption	124.8	128.3	130.1	130.0	126.9	128.5	125.3	123.2	121.9
Food	141.0	144.4	145.4	145.1	141.5	141.1	132.5	131.5	131.1
Food at home	150.0	154.0	155.1	154.4	149.5	149.1	138.9	138.1	138.1
Food away from home	98.5	99.5	100.6	101.8	103.8	102.8	101.4	99.8	97.7
Housing	129.9	135.8	139.6	139.0	130.5	137.8	135.1	130.5	125.7
Owner shelter costs	124.8	130.9	134.3	132.4	123.7	129.8	126.8	122.1	118.5
Renter shelter costs	162.1	174.0	180.3	181.3	160.8	179.4	176.7	164.6	152.1
Household operation	127.4	128.5	132.2	136.0	136.8	140.8	140.0	141.1	137.2
Transportation	108.1	111.8	115.8	114.7	114.1	116.0	116.0	114.4	114.0
Clothing	93.4	93.0	93.7	94.3	97.4	96.4	97.4	95.6	91.3
Personal care	124.3	127.4	131.6	133.0	133.5	133.8	134.0	131.5	137.3
Medical care	105.7	108.0	107.2	109.4	109.5	106.2	105.2	103.4	104.3
Other 1/	117.8	119.6	120.4	121.1	125.0	122.4	122.8	124.2	125.8
Other items 2/	116.6	120.0	122.0	122.3	122.7	121.8	120.1	118.2	116.1
Social Security payments	128.1	128.4	128.7	128.9	129.6	130.3	130.7	131.1	131.4
Personal income taxes	154.1	162.7	159.7	156.0	155.8	150.0	150.1	148.2	146.4

1/ Family consumption including reading, recreation, tobacco products, alcoholic beverages, education, and miscellaneous.

2/ Includes gifts and contributions, life insurance, and occupational expenses.

Source: U.S. Bureau of Labor Statistics, *Autumn 1981 Urban Family Budgets and Comparative Indexes for Selected Urban Areas* (USDL: 82-139, April 16, 1981); 1982-98 estimates by Paul H. Brewbaker, Bank of Hawaii, Economics Research Center, <<http://www.boh.com/econ/>>.

Table 14.08-- COST-OF-LIVING INDEXES AND RANKINGS IN THE MOST AND LEAST EXPENSIVE LOCATIONS IN THE UNITED STATES: 2000

[Standard City, an average cost hypothetical location=100. Based on a survey of 150 items in 300 cities. Data include 10 categories: food-at-home, food-away-from-home, tobacco, alcohol, household furnishings and operations, clothing, domestic service, medical care, personal care, and recreation. Unlike previous surveys, data no longer exclude housing, transportation, and taxes. The market basket of goods and services are those typical of middle-income family of four residing in a 2,200 sq. ft. 8-room, 4-bedroom, 2.5-bath home. They own a late-model car and a 4-year old vehicle]

Expensive Locations	Index	Rank	Least Expensive Loc.	Index	Rank
San Jose, CA	166.5	1	Lubbock, TX	85.1	1
San Francisco, CA	149.2	2	Augusta, GA	85.5	2
New York, NY (Manhattan)	123.8	3	Chattanooga, TN	87.0	3
Boston, MA	122.8	4	Huntsville, Al.	88.6	4
Honolulu, HI	122.5	5	Pensacola, FL	88.7	5
Washington, D.C.	117.7	6	Springfield, MO	89.4	6
Los Angeles, CA	116.8	7	Columbia, SC	89.8	7
San Diego, CA	113.5	8	New Orleans, LA	90.1	8
Philadelphia, PA	112.9	9	Ft. Wayne, IN	90.4	9
Chicago, IL	111.9	10	Jackson, MS	90.5	10

Source: Runzheimer International, <<http://www.runzheimer.com/corpc/news/scripts/080100.asp>>, accessed July 19, 2001.

**Table 14.09-- AVERAGE APARTMENT RENTAL COSTS PER YEAR
IN SELECTED CITIES IN THE UNITED STATES: 1999**

[Standard City, an average cost hypothetical location of \$6,480 and 100.0. The annual values shown are based on a three-room, one-bedroom, one-bath apartment rental unit. Rental units are typically located in suburban communities surrounding the city and are based on an analysis of approximately 300 cities.

Location	Annual rent	Index	Location	Annual rent	Index
San Francisco, CA	13,100	202.2	Baltimore, MD	7,350	113.4
Honolulu, HI	12,100	187.0	Denver, CO	6,900	107.9
Boston, MA	10,900	168.2	Tampa, FL	6,420	99.1
New York City, NY	10,580	163.3	Greenville, NC	6,300	97.2
Washington, D.C.	10,320	159.3	Baton Rouge, LA	5,940	91.7
Chicago, IL	8,520	131.5	Tucson, AZ	5,580	86.1
Los Angeles, CA	8,460	130.6	Dubuque, IA	4,860	75.0

Source: Runzheimer International, <<http://www.runzheimer.com/corpc/news/scripts/062199.asp>> accessed July 19, 2001.

**Table 14.10-- ANNUAL HOUSING COSTS IN HONOLULU
AND SELECTED CITIES IN THE UNITED STATES: 2000**

[Annual housing costs include mortgage payments, homeowner's insurance, real estate taxes, utilities, and maintenance. The costs shown below are based on a 2,200 sq. ft., 8-room, 4-bedroom, 2.5-bath home in a representative community where middle income families reside. The sampling of locations in the table is based on an analysis of approximately 300 metropolitan areas in the U.S

Most expensive locations	Annual costs	Least expensive locations	Annual costs
San Jose, CA	63,828	New Orleans, LA	13,875
San Francisco, CA	51,765	Decatur, AL	13,033
Honolulu, HI	33,014	Augusta, GA	11,906
New York City, NY	31,877	Port Arthur, TX	11,423
Boston, MA	31,842	Hobbs, NM	10,749

Source: Runzheimer International, <<http://www.runzheimer.com/corpc/news/scripts/110600.asp>> accessed July 19, 2001.

14.11-- HOME MARKET VALUES IN HONOLULU AND SELECTED UNITED STATES AND CANADIAN LOCATIONS: 1st QUARTER 2001

[The home market values shown below are based on a 2,200 sq. ft., 8-room, 4-bedroom, 2.5-bath home. Costing is based on representative communities where middle income families reside. The sampling of locations in the table is based on an analysis of approximately 300 metropolitan areas in the U.S and Canada. All values are expressed in U.S. dollars. Rate of exchange \$1.00 = CN\$1.5345. Rank of 1 indicates highest value]

State	Home market value	Rank
Anchorage, AL	200,600	21
Atlanta, GA	207,900	17
Boston, MA	357,400	4
Chicago, IL	333,800	5
Cincinnati, OH	205,000	18
Cleveland, OH	213,300	16
Dallas, TX	173,700	25
Denver, CO	284,000	8
Detroit, MI	265,100	10
Honolulu, HI	407,300	3
Kansas City, KS	185,600	24
Los Angeles, CA	454,900	2
Miami, FL	200,600	22
Milwaukee, WI	221,800	15
Minneapolis, MN	279,600	9
Montreal, Province of Quebec	125,200	26
Nashville, TN	195,200	23
Omaha, NE	203,000	19
Phoenix, AZ	232,500	14
Salt Lake City, UT	252,900	11
San Francisco, CA	746,500	1
Seattle, WA	324,900	7
St. Louis, MO	233,600	13
Toronto, Ontario	243,000	12
Vancouver, British Columbia	202,900	20
Washington, D.C.	332,200	6

Source: Runzheimer International. Runzheimer Analyses North American Home Market Values, June 11, 2001 and <<http://www.runzheimer.com/corpc/news/scripts/061101.asp>> accessed July 19, 2001; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 14.12-- HOUSING VALUES IN HONOLULU AND SELECTED LOCATIONS IN THE UNITED STATES AND CANADA AND AVERAGE MORTGAGE RATES: 1980 TO 1999

[The home market values shown in the table below are based on 2,000 sq. ft., 8-room, 4-bedroom, 2.5-bath home in representative communities where middle income families reside. The sampling of locations is based on an analysis of approximately 300 metropolitan areas in the U.S. and Canada. All values are expressed in U.S. dollars]

Category	1980	1985	1990	1995	1999
Mortgage rate 1/	13.00	12.75	10.50	8.00	7.25
Atlanta, GA	119,500	128,400	169,600	186,300	242,100
Boston, MA	121,700	147,100	243,800	256,200	321,400
Chicago, IL	119,600	118,600	175,300	205,300	223,200
Dallas, TX	85,700	107,800	110,500	124,800	134,900
Detroit, MI	145,700	105,300	161,200	179,000	217,700
Honolulu, HI	158,800	175,200	274,100	410,400	342,100
Los Angeles, CA	145,600	161,000	308,200	247,400	285,100
Miami, FL	108,100	112,500	145,800	178,900	172,900
Mobile, AL	79,500	86,900	94,100	112,600	118,600
Montreal, PQ	118,500	116,800	203,200	145,600	128,700
New Orleans, LA	100,300	112,100	98,500	111,300	127,400
New York, NY	112,100	144,400	269,300	273,800	286,300
Ottawa, ON	81,600	123,200	170,200	157,100	130,100
Phoenix, AZ	91,300	99,200	115,400	130,100	174,500
San Francisco, CA	186,700	197,100	379,800	388,000	489,700
Tampa, FL	88,300	103,100	128,300	145,400	135,400
Washington, DC	159,100	170,200	259,100	284,500	262,300

1/ Mortgage interest rate based on average rates nationwide. Canadian rates slightly higher.

Source: Runzheimer International, "Dramatic Gains and Drops in Housing Values Witnessed During the Last 20 Years; Mortgage Rates Steadily Declined", December 27, 1999

<<http://www.runzheimer.com/corpc/news/scripts/122799.asp>> accessed August 1, 2001.

**Table 14.13-- PER DIEM RATES FOR SELECTED
LOCATIONS IN THE UNITED STATES: 1986 TO 1999**

[The per diem rates shown below represent average costs for the typical business traveler, and include breakfast, lunch, and dinner in business-class restaurants and single-rate lodging in business-class hotels and motels. Meal costs include customary and appropriate gratuities, taxes, and service charges. Lodging rates include all applicable sales and lodging taxes. Data is from the Runzheimer Guide to Daily Travel Prices, published by Runzheimer International, the Rochester, Wisconsin-based management consulting firm]

Location	1986	1989	1994	1999
Atlanta, GA	119	142	174	195
Boston, MA	142	183	216	313
Chicago, IL	148	191	229	262
Dallas, TX	126	134	152	197
Honolulu, HI	135	188	236	183
Las Vegas, NV	105	116	156	158
Los Angeles, CA	148	177	203	220
New York, NY	204	260	338	403
Orlando, FL	86	92	127	175
Phoenix, AZ	77	78	113	200
Seattle, WA	106	126	162	232
St. Louis, MO	100	116	162	199
Washington, DC	164	216	260	269

Source: Runzheimer International, <<http://www.runzheimer.com/corpc/news/scripts/011000.asp>> accessed August 1, 2001.

**Table 14.14-- COST OF LIVING ANALYSES FOR HONOLULU
AND THE UNITED STATES AVERAGE: JANUARY 1, 2001**

[At the U.S. National Average assumed consumption patterns vary according to income level. The Reference profiles for cost-of-living model rental (approximates the rental equivalent of owner-occupied housing) situations only. The Institute model may be considered as an evolution of the U.S. Department of Labor's "Urban Family of Four" model which the Bureau of Labor Statistics discontinued in 1981]

Category	\$10,712	\$24,000	\$48,000	\$72,000
Honolulu total	18,890	39,376	73,955	106,252
Rent, utilities	9,625	18,404	30,569	39,664
Taxes: federal, state, payroll	2,228	5,784	11,908	20,527
Consumables	5,478	10,041	18,758	25,131
Transportation	823	2,524	6,002	9,987
Health services	736	1,356	2,239	2,554
Miscellaneous	...	1,267	4,479	8,389
U.S. National Average	10,712	24,000	48,000	72,000
Rent, utilities	4,102	8,083	14,313	19,076
Taxes: federal, state, payroll	1,842	4,920	10,420	18,151
Consumables	3,532	6,678	12,401	16,693
Transportation	620	1,906	4,509	7,538
Health services	616	1,144	1,878	2,153
Miscellaneous	...	1,267	4,479	8,389
Honolulu indexed to U.S. average	176.3	164.1	154.1	147.6
Rent, utilities	234.6	227.7	213.6	207.9
Taxes: federal, state, payroll	121.0	117.6	114.3	113.1
Consumables	155.1	150.4	151.3	150.5
Transportation	132.7	132.4	133.1	132.5
Health services	119.5	118.5	119.2	118.6
Miscellaneous	...	100.0	100.0	100.0

\$10,712 assumes a single, minimum wage earner living with friends or parents, contributing partial rent (assume 23.4 percent or less of income spent on housing costs) and no automobile. \$24,000 assumes a single parent of one child in a rented apartment (900 square foot), holding one or more jobs, and automobile. \$48,000 assumes two adults (filing as married), ages 32, two jobs, one child, two automobiles, and renting a three-bedroom home (1,560 square foot). \$72,000 assumes two adults (filing as married), age 37, two jobs, two children, two automobiles, and renting a three-bedroom home (2,200 square foot) with two-car garage.

Source: ERI Economic Research Institute, *Geographic Reference Report 2001*, pgs. 117 and 300.

**Table 14.15-- HOME PRICES AND COMPARISON INDEX FOR
SELECTED LOCATIONS IN HAWAII AND THE UNITED STATES AND
THE WORLD: 2001**

[The home market values shown in the table below are based on 2,200 sq. ft., single-family dwelling with 4-bedroom, 2.5-bath home, family room and 2-car garage in typical middle-management transferee neighborhood. The sampling of locations is based on an analysis of more than 300 markets. Index of 100 for hypothetical subject home]

Location City and State	Average sales price	Index
Atlanta, GA	260,000	96
Boston, MA	319,500	118
Greater Vancouver, British Columbia, Canada	231,043	85
Dallas, TX	223,875	83
Detroit Metro, MI	288,700	107
Elgin, IL	236,500	87
Ft. Lauderdale/ Coral Springs, FL	213,667	79
Honolulu, HI	442,250	163
Kailua-Kona, HI	532,500	197
Kehei, Maui, HI	495,000	183
Mobile, AL	164,913	61
New Orleans, LA	232,800	86
Ottawa, Ontario, Canada	188,955	70
Phoenix, AZ	198,333	73
Queens, (Bayside), NY	468,000	173
San Francisco, CA	911,250	337
San Jose, CA	595,350	220
Tampa, FL	145,233	54
Wilmington, DE	247,225	91

Source: Coldwell Banker, 2001 Home Price Comparison Index, "Coldwell Banker Annual Study Finds \$1.1 Million Variance For Same Property In Nation's Most Expensive And Most Affordable Markets", July 31, 2001 and
<<http://www.coldwellbanker.com/go.asp?type=cbnews>> accessed July 31, 2001.

**Table 14.16-- CAR RENTAL RATES IN SELECTED LOCATIONS
IN THE UNITED STATES: 2000-2001**

[Average rates of major car rental companies for an intermediate size car. Taxes, fuel, optional insurance, and other miscellaneous fees are not included. The ranking is based upon an analysis of 100 metropolitan areas nationwide. Honolulu, the lowest cost location in the United States has an index of 100.0]

Expensive Locations	Value	Index	Inexpensive Locations	Value	Index
Cleveland, OH	86.50	211.0	Fargo, ND	51.00	124.4
New York, NY	85.50	208.5	Albuquerque, NM	50.00	122.0
Newark, NJ	85.00	207.3	Anchorage, AK	47.50	115.9
Youngstown, OH	84.50	206.1	Norfolk, VA	47.00	114.6
Houston, TX	81.50	198.8	Spokane, WA	46.00	112.2
Raleigh, NC	81.00	197.6	Cheyenne, WY	45.00	109.8
Charlotte, NC	80.50	196.3	Manchester, NH	45.00	109.8
St. Louis, MO	79.50	193.9	Sioux Falls, SD	44.00	107.3
Atlanta, GA	79.50	193.9	Ft. Lauderdale, FL	42.50	103.7
Chicago, IL	79.00	192.7	Honolulu, HI	41.00	100.0

Source: Runzheimer International, *Runzheimer Guide to Daily Travel Prices* and <http://www.runzheimer.com/corpc/news/scripts/021201.asp> accessed March 5, 2001 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**14.17 GASOLINE PRICES PER GALLON FOR STATES AND
THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE:
AUGUST 13, 2001**

[Over 60,000 retail gasoline self-serve stations are surveyed daily. Prices are in cents per gallon.
Rank of 1 indicates highest price per gallon. Rank is among 50 states and District of Columbia]

State	Regular	Mid	Premium	Diesel
Hawaii	1.989	2.103	2.143	2.117
Hawaii Rank	1	1	1	1
U. S. average	1.387	1.473	1.526	1.448
Hawaii as percent of U.S. average	143.4	142.8	140.4	146.2
Alaska	1.708	1.808	1.911	1.707
Alabama	1.287	1.376	1.417	1.378
Arkansas	1.287	1.358	1.444	1.361
Arizona	1.378	1.437	1.520	1.531
California	1.645	1.751	1.780	1.661
Colorado	1.406	1.504	1.571	1.502
Connecticut	1.571	1.705	1.750	1.532
District of Columbia	1.632	1.738	1.790	1.706
Delaware	1.365	1.450	1.514	1.444
Florida	1.350	1.463	1.490	1.490
Georgia	1.235	1.327	1.386	1.319
Iowa	1.339	1.410	1.478	1.412
Idaho	1.533	1.618	1.663	1.466
Illinois	1.440	1.549	1.597	1.516
Indiana	1.305	1.404	1.443	1.373
Kansas	1.325	1.360	1.413	1.423
Kentucky	1.292	1.385	1.448	1.361
Louisiana	1.276	1.360	1.423	1.387
Massachusetts	1.484	1.596	1.656	1.563
Maryland	1.449	1.540	1.579	1.500
Maine	1.354	1.461	1.501	1.478
Michigan	1.415	1.499	1.559	1.445
Minnesota	1.453	1.511	1.550	1.424
Missouri	1.287	1.339	1.417	1.329
Mississippi	1.291	1.361	1.423	1.343
Montana	1.520	1.585	1.661	1.476
North Carolina	1.283	1.361	1.421	1.413
North Dakota	1.466	1.517	1.571	1.441
Nebraska	1.391	1.422	1.462	1.439
New Hampshire	1.436	1.556	1.611	1.477
New Jersey	1.452	1.557	1.616	1.394
New Mexico	1.394	1.485	1.549	1.472
Nevada	1.449	1.527	1.582	1.540
New York	1.538	1.645	1.680	1.644

Continued on next page.

**14.17 GASOLINE PRICES PER GALLON FOR STATES AND
THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE:
AUGUST 13, 2001-- Con.**

State	Regular	Mid	Premium	Diesel
Ohio	1.340	1.430	1.487	1.438
Oklahoma	1.281	1.324	1.398	1.318
Oregon	1.535	1.620	1.644	1.553
Pennsylvania	1.370	1.445	1.509	1.503
Rhode Island	1.496	1.592	1.644	1.571
South Carolina	1.232	1.309	1.373	1.322
South Dakota	1.435	1.527	1.590	1.455
Tennessee	1.279	1.354	1.418	1.377
Texas	1.295	1.371	1.420	1.387
Utah	1.453	1.532	1.599	1.433
Virginia	1.292	1.356	1.408	1.376
Vermont	1.422	1.529	1.596	1.560
Washington	1.499	1.553	1.630	1.511
Wisconsin	1.454	1.510	1.579	1.486
West Virginia	1.363	1.425	1.497	1.517
Wyoming	1.445	1.506	1.605	1.408

Source: AAA's Daily Fuel Gauge Report© Copyright 2001, Oil Price Information Service.
<<http://198.6.95.31/sbsavg.asp>> released and accessed August 13, 2001.

14.18 COMPOSITE HOUSING COSTS: HONOLULU AND SELECTED UNITED STATES LOCATIONS: 1998

[Markets are ranked from most affordable to least affordable, based on cost of mid-management quality single-family homes and apartments relative to local market family income. Housing is defined as amenitized four-bedroom homes and large, luxury apartments. Rank is among the 75 major urban areas in the study. Costs are relative to income]

Metropolitan Market	Single-Family Home Cost 1/	Rental Cost	Composite Housing Cost	Affordability Ranking	
				1997	1998
Honolulu, Hawaii	27.7	33.0	30.4	72	66
Albuquerque, N.M.	25.5	24.4	25.0	43	50
Anchorage, Alaska	24.9	22.8	23.9	39	45
Atlanta, Ga.	20.0	22.5	21.3	17	23
Austin, Texas	25.7	23.2	24.5	50	47
Bakersfield, Calif.	26.3	23.8	25.1	47	53
Baltimore, Md.	22.2	23.3	22.8	56	39
Birmingham, Ala.	20.5	19.8	20.2	21	13
Boise, Idaho	19.1	21.5	20.3	11	15
Boston, Mass.	38.4	35.3	36.9	70	72
Buffalo, N.Y.	27.9	22.4	25.2	30	54
Central N.J.	28.4	23.2	25.8	41	58
Charleston, S.C.	18.0	24.3	21.2	22	21
Charlotte, N.C.	18.5	20.9	19.7	12	9
Chicago, Ill.	31.5	25.4	28.5	64	63
Cincinnati, Ohio	30.3	20.5	25.4	60	56
Cleveland, Ohio	25.4	24.7	25.1	54	52
Colorado Springs, Colo.	20.4	23.7	22.1	28	34
Columbus, Ohio	22.1	19.2	20.7	14	19
Dallas-Ft. Worth, Texas	17.8	21.7	19.8	8	10
Denver, Colo.	18.3	23.5	20.9	6	20
Detroit, Mich.	21.7	21.3	21.5	38	28
El Paso, Texas	33.1	30.9	32.0	68	69
Ft. Lauderdale, Fla.	19.4	25.0	22.2	53	36
Fresno, Calif.	27.8	25.6	26.7	58	61
Grand Rapids, Mich.	24.1	19.7	21.9	19	33
Greensboro/Winston-Salem, N.C.	21.0	23.3	22.2	36	35
Greenville-Spartanburg, S.C.	21.0	22.2	21.6	31	31
Hartford, Conn.	28.1	22.5	25.3	37	55
Houston, Texas	17.3	21.8	19.6	5	8
Indianapolis, Ind.	18.8	19.1	19.0	18	6
Jacksonville, Fla.	20.7	22.4	21.6	40	29
Kansas City, Mo. & Kans.	16.4	20.5	18.5	4	3
Knoxville, Tenn.	17.5	19.7	18.6	20	4
Las Vegas, Nev.	19.8	23.3	21.6	29	30
Los Angeles, Calif.	38.7	35.7	37.2	73	73
Louisville, Ky.	19.7	21.3	20.5	9	18
Memphis, Tenn.	18.7	21.5	20.1	15	12
Miami, Fla.	29.8	33.8	31.8	71	68
Milwaukee, Wis.	25.2	21.8	23.5	45	42
Minneapolis-St. Paul, Minn.	21.9	20.8	21.4	23	25

Continued on next page.

**14.18 COMPOSITE HOUSING COSTS: HONOLULU AND SELECTED
UNITED STATES LOCATIONS: 1998-- Con.**

Metropolitan Market	Single-Family Home Cost 1/	Rental Cost	Composite Housing Cost	Affordability Ranking	
				1997	1998
Nashville, Tenn.	18.7	21.1	19.9	26	11
Nassau-Suffolk, N.Y.	25.1	26.0	25.6	42	57
New Orleans, La.	18.8	26.0	22.4	24	37
New York, N.Y.	45.3	41.8	43.6	74	75
Newark-No. N. J.	28.1	30.1	29.1	62	64
Norfolk, Va.	17.7	24.6	21.2	25	22
Oakland-East Bay, Calif.	34.5	33.2	33.9	69	71
Oklahoma City, Okla.	13.6	21.3	17.5	1	1
Orange County, Calif.	23.8	26.1	25.0	49	49
Orlando, Fla.	19.4	24.4	21.9	44	32
Philadelphia, Pa.	25.5	29.8	27.7	61	62
Phoenix, Ariz.	22.9	22.5	22.7	33	38
Pittsburgh, Penn.	31.8	34.4	33.1	67	70
Portland, Ore.	24.4	23.0	23.7	52	44
Providence, R.I.	30.5	19.4	25.0	55	48
Raleigh-Durham, N.C.	16.7	21.2	19.0	7	5
Reno, Nev.	19.9	20.6	20.3	10	14
Richmond, Va.	15.5	20.0	17.8	3	2
Riverside-San Bernardino, CA	20.0	22.9	21.5	27	27
Rochester, N.Y.	29.1	19.5	24.3	35	46
Sacramento, Calif.	23.3	23.5	23.4	34	41
Salt Lake City, Utah	18.9	22.2	20.6	16	17
San Antonio, Texas	25.4	24.6	25.0	46	51
San Diego, Calif.	27.8	32.6	30.2	65	65
San Francisco, Calif.	45.5	38.8	42.2	75	74
San Jose, Calif.	29.9	31.4	30.7	66	67
Sarasota-Bradenton, Fla.	29.2	23.0	26.1	63	60
Seattle, Wash.	28.7	23.1	25.9	57	59
St. Louis, Mo.	18.8	22.1	20.5	13	16
Tampa-St. Petersburg, Fla.	22.3	24.7	23.5	59	43
Tucson, Ariz.	24.1	22.7	23.4	51	40
Tulsa, Okla.	15.5	22.8	19.2	2	7
Washington, D.C.	20.6	22.0	21.3	32	24
West Palm Beach, Fla.	19.8	23.1	21.5	48	26

Although the figures in columns 1-3 are rounded, markets are ranked on actual, rather than rounded, affordability numbers. All reported housing cost figures are a percentage of local market family household income. See source for an explanation of the methodology and data sources.

1/ Tax considerations (i.e., federal and state mortgage interest deductions and local property taxes) were accounted for in the calculation of home ownership costs. The cost of the down payment and maintenance expenses were excluded, however. Rochester, Wis.-based Runzheimer International provided local property tax rates used in this study.

Source: E&Y Kenneth Leventhal Real Estate Group, *Study of Housing Costs 1998*, and [http://www.ey.com/global/vault.nsf/US/Study_of_Housing_Costs_1998/\\$file/HousingCost98.pdf](http://www.ey.com/global/vault.nsf/US/Study_of_Housing_Costs_1998/$file/HousingCost98.pdf) accessed on August 1, 2001 .

**Table 14.19-- FAST FOOD INDEXES FOR SELECTED
METROPOLITAN AREAS: 1999-2000**

[Prices are in U.S. dollars. Los Angeles, California is 100.0. Based on national and international surveys of prices of a 1/4 pound cheeseburger, large fries, and medium soft drink. Sales taxes are not included for U.S. locations but are included for international locations. International prices are based based on September 1999 foreign exchange rates]

U.S. Locations	Index	International Locations	Index
New York, NY	124.6	Copenhagen, Denmark	162.9
Honolulu, HI	101.3	London, England	117.6
Los Angeles, CA	100.0	Tokyo, Japan	113.5
San Francisco, CA	100.0	Munich, Germany	112.7
Denver, CO	99.2	Vienna, Austria	107.1
Boston, MA	95.8	Madrid, Spain	100.2
Seattle, WA	95.2	Paris, France	97.1
Phoenix, AZ	94.4	Mexico City, Mexico	91.8
Chicago, IL	94.0	Athens, Greece	90.4
Washington, D.C.	93.8	Toronto, Canada	85.7
Atlanta, GA	93.1	Sydney, Australia	80.0
Miami, FL	92.9	Hong Kong	54.1
Dallas, TX	91.7	Rio de Janeiro, Brazil	43.9
St. Louis, MO	91.5		
Memphis, TN	89.0		
Boise, ID	87.7		

Source: Runzheimer International, <<http://www.runzheimer.com/corpc/news/scripts/021400.asp>> dated February 14, 2000 and accessed August 2, 2001; <<http://www.runzheimer.com/freeps/html/gstart.html>> and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.20-- INDEXES OF COST OF LIVING FOR SELECTED
MAJOR CITIES WORLDWIDE: 1995 TO 1999**

[Index number Honolulu=100. March 1999 are Advance figures]

City	General index of mean prices				
	March 1995	Sept. 1995	March 1996	Sept. 1997	March 1999
Honolulu	100	100	100	100	100
Beijing/Peking	120	125	125	124	125
Chicago	106	108	(NA)	(NA)	(NA)
Hong Kong	139	144	147	150	151
Los Angeles	104	106	106	(NA)	108
Manila	78	81	83	70	61
New York	116	118	120	(NA)	119
Paris	(NA)	(NA)	(NA)	134	(NA)
San Francisco	105	106	(NA)	(NA)	(NA)
Seoul	139	144	137	125	109
Shanghai	(NA)	(NA)	125	123	122
Singapore	141	140	(NA)	133	119
Sydney	109	113	121	113	99
Taipei	142	(NA)	138	132	118
Tokyo	259	232	202	183	177
Vancouver	97	102	101	100	90
Washington, D.C.	(NA)	(NA)	104	103	104

NA Not available.

Source: Economic Intelligence Unit, *Worldwide Cost of Living Survey*, report for Hawaii State Department of Business, Economic Development & Tourism, March 1995, 1996, 1999 Advance; and September 1995 and 1997.

Table 14.21-- COST OF LIVING IN SELECTED MAJOR CITIES WORLDWIDE: SPRING 2000 AND 2001

[Listed in order of rank in 2001. Rank of 1 indicates most expensive city. Based on surveys of 131 cities in March 2000 and 2001. Data include 200 items, including housing, food, clothing, utilities, transportation, and entertainment costs. New York City=100.0]

City	Index		Rank	City	Index		Rank
	2000	2001			2000	2001	
	2000	2001			2000	2001	
Tokyo, Japan	164.9	134.0	1	Manama, Bahrain	83.3	81.0	35
Moscow, Russia	136.1	132.4	5	Geneva, Switzerland	85.3	79.7	27
Hong Kong	141.5	130.0	3	Zurich, Switzerland	85.7	79.5	24
Beijing, China	138.3	124.4	4	Jeddah, Saudi Arabia	82.8	79.3	37
Osaka, Japan	143.6	116.7	2	Kuwait City, Kuwait	83.4	79.3	34
Shanghai, China	128.0	114.3	6	Riga, Latvia	83.8	78.2	31
St Petersburg, Russia	109.7	106.5	8	Mexico City, Mexico	78.2	78.1	47
New York City, NY, USA	100.0	100.0	13	Morristown NJ, USA	77.4	77.8	53
Guangzhou, China	107.9	97.4	9	Cairo, Egypt	91.9	77.3	17
Seoul, Korea	111.1	95.3	7	Boston, MA, USA	78.5	77.3	45
Hanoi, Vietnam	94.9	94.3	14	Houston, TX, USA	78.0	77.2	49
Taipei, Taiwan	102.8	92.9	11	Washington DC, USA	78.3	77.0	46
London, UK	106.9	92.9	10	Oslo, Norway	87.5	76.1	21
Shenzhen, China	100.1	90.8	12	Monterrey, Mexico	77.7	75.8	50
Ho Chi Minh City, Vietnam	92.7	90.4	16	Dubai, United Arab Emirates	81.2	75.6	39
Singapore	94.7	86.4	15	Warsaw, Poland	80.8	75.1	40
White Plains NY, USA	84.0	85.5	30	Atlanta, GA, USA	70.2	73.9	77
Tel Aviv, Israel	88.7	85.0	19	Kingston, Jamaica	78.9	73.2	43
San Francisco, CA, USA	83.7	84.4	33	St Louis, MO, USA	73.4	72.9	62
Chicago, IL, USA	82.7	84.3	38	Seattle, WA, USA	70.6	72.7	75
Kiev, Ukraine	78.2	83.8	47	Denver, CO, USA	71.8	72.6	69
Beirut, Lebanon	86.2	83.8	22	Istanbul, Turkey	84.6	72.1	28
Buenos Aires, Argentina	91.0	83.6	18	Minneapolis, MN, USA	71.7	72.1	70
Los Angeles, CA, USA	83.1	83.4	36	Almaty, Kazakhstan	74.6	71.9	58
Miami, FL, USA	83.8	83.0	31	Detroit, MI, USA	72.7	71.4	64
Abu Dhabi, United Arab Emirates	88.2	82.8	26	Copenhagen, Denmark	78.8	71.4	44
Riyadh, Saudi Arabia	85.6	82.1	20	Paris, France	79.2	70.4	57
Amman, Jordan	85.9	82.0	23	Milan, Italy	77.7	69.9	50
Honolulu, HI, USA	80.7	81.3	41	Kuala Lumpur, Malaysia	72.6	69.9	66
San Juan, Puerto Rico	84.3	81.3	29	Vienna, Austria	77.6	69.6	52

Source: William M. Mercer Companies, LLC, Mercer USA Center: Corporate Resource Group, "Worldwide Cost of Living Survey 2001 - City Rankings", <http://www.wmmrcer.com/global/english/resource/resource_news_topic_071601.htm> accessed August 2, 2001.

**Table 14.22-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR
FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C.,
BY COUNTY: 1997 TO 2000**

Effective or Survey Date	Allowance category	Honolulu	Hawaii	Maui	Kauai
	ALLOWANCE RATES				
March 25, 1997	All employees 1/	22.50	15.00	22.50	22.50
December 2, 1997	All employees 1/	22.50	15.00	22.50	22.50
October 21, 1998	All employees 2/	25.00	15.00	22.50	22.50
October 3, 2000	All employees 3/	25.00	16.50	23.75	23.25
	INDEXES				
1996 Survey	Cost of Living Index 4/	121.95	111.89	121.36	121.36
1998 Survey	Cost Comparison Index 5/	124.51	110.89	120.32	117.19

1/ Interim Rule issued on March 25 and Final Rule issued on December 2, 1997.

2/ As Interim Rule on October 21 and as corrected on November 13, 1998. Final Rule published July 17, 2000, effective August 16, 2000. Current law prohibits reduction in COLA rates through December 31, 2000. As part of the COLA Research in the litigation Carabello et al vs United States and as requested by Congress, an Interim Rates and Survey Schedule was announced but not yet enacted. The rates, as of October 1, 2000, are raised for Hawaii and Maui to 16.50 and 23.75 percent respectively. The Interim Rates as well as those for Kauai may increase further depending upon the results of the 1998 price surveys and the surveys conducted under the New Regulations. For further discussion see OMP, Non-Foreign Area Cost-of-Living Allowances, Special COLA Research Announcement, July 17, 2000 and <http://www.opm.gov/oca/cola/html/cola-n.htm>.

3/ Interim rule and invitation for comment issued in Federal Register: Vol. 65, No. 192.

4/ Washington, D.C. living costs=100. Based on a survey of comparative costs for Federal employees in February 1996. The Survey was conducted and indexes calculated by Runzheimer International. The detailed methodology is described in the *Federal Register*: March 25, 1997.

5/ Similar explanation to footnote 4/ except the survey period was 1998 and publication in in the *Federal Register* was July 17, 2000.

Source: U.S. Office of Personnel Management, Federal Register Online via GPO Access <<http://www.wais.access.gpo.gov>>, Vol. 62, No. 57, March 25, 1997 (pp. 14187-14189); Vol. 62, No. 231, December 2, 1997 (pp. 63630-63631); Vol. 63, No. 203, October 21, 1998 (pp. 56430-56431); Vol. 63, No. 219, November 13, 1998 (p. 63385) and <<http://www.omp.gov/oca/cola/html/c-rates.html>> accessed May 15, 2000. OMP-announced Federal COLA Retro Settlement, 06-23-00 and further developments <http://www.opm.gov/oca/compmemo/2000/2000-10.htm>
OMP, Non-Foreign Area Cost-of-Living Allowances, Special COLA Research Announcement, July 17, 2000; OMP, Cost-of-Living Allowances Vol. 65, No. 192, October 3, 2000 (58901-58902) and <http://www.omp.gov/oca/cola/html/c-rates.html> accessed July 25, 2001.

**Table 14.23-- COST OF LIVING ALLOWANCE INDEXES FOR MILITARY IN
HAWAII RELATIVE TO CONTINENTAL UNITED STATES, BY ISLAND**

[Index number continental United States=100]

Effective Date	Locality	Locality Code 1/	Index
September 1, 1998	Hawaii, Kilauea Military Camp	HI004	128
September 1, 1998	Hawaii, Other	HI001	128
September 1, 1998	Kauai	HI003	128
September 1, 1998	Oahu	HI009	116
March 1, 1999	Maui	HI005	134
March 1, 1999	Molokai	HI007	134

1/ Assigned by the Department of Defense to identify each area entitled to COLA. Search of the website indicated below in "Source" requires the "Locality Code" be entered.

Source: U.S. Department of Defense, Per Diem, Travel and Transportation Committee, Overseas Cost-of-Living Program <<http://www.dtic.mil/perdiem/allowcol.html>> accessed July 28, 2001.

Table 14.24-- PER DIEM RATES FOR MILITARY IN HAWAII, BY ISLAND OR INSTALLATION

[In dollars per day. To calculate a Per Diem Rate: Maximum Lodging plus Meals (Local, Proportional, or Government) plus Incidental Rate (Local or OnBase) as specified in the travel orders. For comparison, rates for Anchorage, Manila and Tokyo are provided]

Locality and Seasonal Dates	Maximum per diem rate 1/	Maximum lodging	Local meals rate	Proportional meals rate	Local incidentals rate	Effective date
Camp H. M. Smith	177	112	52	30	13	June 1, 2000
Eastpac Naval Comp Tele Area	177	112	52	30	13	June 1, 2000
Ft. DeRussey	177	112	52	30	13	June 1, 2000
Ft. Shafter	177	112	52	30	13	June 1, 2000
Hickam Air Force Base	177	112	52	30	13	June 1, 2000
Honolulu 1/	177	112	52	30	13	June 1, 2000
Island of Hawaii: Hilo	142	84	46	27	12	May 1, 2000
Island of Hawaii: Other	143	89	43	25	11	May 1, 2000
Island of Kauai						
May 1 - November 30	212	143	55	31	14	June 1, 2000
December 1 - April 30	249	176	58	33	15	June 1, 2000
Island of Kure	106	65	33	20	8	May 1, 2000
Island of Maui	215	143	58	33	14	May 1, 2000
Island of Oahu	177	112	52	30	13	June 1, 2000
Kaneohe Bay Marine Corps Base	177	112	52	30	13	June 1, 2000
Kekaha Pacific Missile Range Facility						
May 1 - November 30	212	143	55	31	14	June 1, 2000
December 1 - April 30	249	176	58	33	15	June 1, 2000
Kilauea Military Camp	142	84	46	27	12	May 1, 2000
Lualualei Naval Magazine	177	112	52	30	13	June 1, 2000
Naval Air Station Barbers Point	177	112	52	30	13	June 1, 2000
Pearl Harbor	177	112	52	30	13	June 1, 2000
Schofield Barracks	177	112	52	30	13	June 1, 2000
Wheeler Army Airfield	177	112	52	30	13	June 1, 2000
Other	133	72	49	28	12	June 1, 2000
Anchorage, Alaska						
May 1 - September 15	229	161	54	31	14	January 1, 2000
September 15 - April 30	140	80	48	28	12	January 1, 2000
Manila, Philippines	194	134	48	28	12	July 1, 1999
Tokyo, Japan	316	185	105	56	26	May 1, 2000

OCONUS Outside Continental United States.

1/ For reimbursement of subsistence expenses incurred during official OCONUS travel.

Source: U.S. Department of Defense, Per Diem, Travel and Transportation Committee, Rates and Allowances <<http://www.dtic.mil/perdiem/prates.html>> as posted August 1, 2000.

Section 15

BANKING, INSURANCE, AND BUSINESS ENTERPRISE

Statistics in this section relate to banks, savings and loans, and other financial institutions, insurance, fires, and business firms.

Sources for statistics on these subjects include the Hawaii State Department of Commerce and Consumer Affairs, the Hawaii State Department of Taxation, county fire departments, major island banks, Dun and Bradstreet, Inc., local health insurance plans, the Hawaii Credit Union League, the *1997 Census of Finance and Insurance*, and the annual report on *County Business Patterns* issued by the U.S. Census Bureau. *Historical Statistics of Hawaii*, Sections 22 and 23, provides information for earlier periods. Comparable national data appear in Sections 16 and 17 of the *Statistical Abstract of the United States: 2000*.

**Table 15.01-- NUMBER OF FINANCIAL INSTITUTIONS, BY TYPES:
1990 TO 2000**

[Includes main offices, but excludes out-of-State branches of Hawaii-based institutions.
As of December 31]

Type of charter, island, and year	Banks		Savings and loan associations		Trust companies		Financial services loan companies	
	Firms	Locations	Associations	Locations	Firms	Locations	Firms	Locations
1990	10	190	6	146	4	7	46	186
1991	10	188	6	135	4	6	45	187
1992	8	181	6	142	4	6	42	185
1993	8	179	6	146	4	7	66	160
1994	7	184	6	154	1	3	41	155
1995	6	190	6	159	1	3	40	164
1996	6	191	6	161	1	3	42	167
1997	6	191	4	121	1/-	1/-	40	157
1998	6	191	3	97	1/-	1/-	38	126
1999	6	187	3	97	1/-	1/-	35	103
2000	6	194	3	87	-	-	32	98
TYPE OF CHARTER: 2000								
Federal	1	14	1	68	-	-	-	-
State	5	180	2	19	-	-	32	98
ISLANDS: 2000								
Hawaii	5	25	3	10	-	-	7	13
Maui	5	22	2	9	-	-	7	10
Lanai	2	2	-	-	-	-	-	-
Molokai	1	1	1	1	-	-	1	1
Oahu	6	129	3	60	-	-	29	68
Kauai	3	15	2	7	-	-	6	6
Niihau	-	-	-	-	-	-	-	-

1/ Revised.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Financial Institutions, records.

Table 15.02-- FINANCE AND INSURANCE ESTABLISHMENTS WITH PAYROLL AND EMPLOYMENT: 1999

[Based on NAICS code, and thus not comparable to 1997 and earlier data in previous editions of the *Data Book*, which were based on the Standard Industrial Classification (SIC) code]

NAICS code	Major group	Establishments	Employment, March 12	Annual payroll (\$1,000)
	Total	1,371	19,540	789,327
522	Credit intermediation & related activities	692	11,499	402,904
5221	Depository credit intermediation	473	10,144	348,209
52211	Commercial banking	230	6,882	252,423
52212	Savings institutions	109	1,852	53,988
52213	Credit unions	134	1,410	41,798
5222	Nondepository credit intermediation	140	969	41,560
5223	Activities related to credit intermediation 1/	79	386	13,135
52231	Mortgage & nonmortgage brokers	54	281	10,535
523	Security, commodity contracts and like activities 1/	164	1,527	113,594
5231	Scrty & comdty contracts intermed & brokerage	76	(F)	(D)
524	Insurance carriers & related activities	509	6,475	269,466
5241	Insurance carriers 1/	153	3,955	166,773
52411	Direct life, health, medical insurance carriers	68	2,782	112,682
5242	Agencies & other insurance related activities 1/	356	2,520	102,693
52421	Insurance agencies and brokerages	303	1,931	75,642
525	Funds, trusts, & other financial vehicles (part)	6	39	3,363

F 500 to 999.

D Withheld to avoid disclosing data for individual companies.

1/ Includes subgroups not shown separately.

Source: U.S. Census Bureau, *County Business Patterns 1999, Hawaii*, CBP/99-13 (April 2001), pp. 16-17, at <http://www.census.gov/prod/2001pubs/cbp99/cbp99-13.pdf>, accessed May 8, 2001.

**Table 15.03-- CHARACTERISTICS OF THE FINANCE AND
INSURANCE SECTOR: 1997**

[Excludes establishments without payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in earlier Economic Censuses. Therefore, comparability between the 1992 and the 1997 data may be limited]

NAICS code	Kind of business	Establishments	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
52	Total	1,573	(N)	775,139	21,757
522	Credit intermediation & related activities	863	2,921,138	417,657	13,293
5221	Depository credit intermediation	592	2,595,952	362,337	11,748
52211	Commercial banking	300	1,691,491	264,080	8,157
52212	Savings institutions	156	627,286	60,353	2,238
52213	Credit unions	136	277,175	37,904	1,353
5222	Nondepository credit intermediation	193	294,069	45,103	1,199
5223	Activities related to credit intermediation 2/	78	31,117	10,217	346
52231	Mortgage & nonmortgage loan brokers	52	16,569	7,250	242
523	Securities, intermediation & related activities 2/	170	371,340	88,895	1,552
5231	Scrtcy & comdty contracts intermed & brokerage	74	144,574	48,078	675
524	Insurance carriers & related activities	534	(N)	265,519	6,881
5241	Insurance carriers 1/	152	(N)	169,473	4,151
52411	Direct life, health, medical insurance carriers	72	(Q)	109,274	2,872
5242	Agencies & other insurance related activities 2/	382	254,030	96,046	2,730
52421	Insurance agencies & brokerages	315	207,650	73,011	2,045
525	Funds, trusts, & other financial vehicles (part)	6	37,924	3,068	(b)

N Not available or not comparable.

Q Revenue not collected at this level of detail for multiestablishment firms.

b 20 to 99 employees.

1/ Pay period including March 12.

2/ Includes subgroups not shown separately.

Source: U.S. Census Bureau, *1997 Economic Census, Finance and Insurance, Geographic Area Series, Hawaii*, EC97F52A-HI (January 2000), table 1 at <http://www.census.gov/prod/ec97/97f52-hi.pdf>.

Table 15.04-- CHARACTERISTICS OF STATE-CHARTERED FINANCIAL INSTITUTIONS, BY TYPES: 1998 TO 2000

[Includes out-of-State branches and facilities. As of December 31]

Subject	1998	1999	2000
BANKS			
Number of banks	5	5	4
Number of branches and facilities	201	191	204
Assets (million dollars)	23,244.6	22,705.2	23,560.4
Deposits (million dollars)	16,037.8	16,107.3	16,741.0
SAVINGS AND LOAN ASSOCIATIONS			
Number of associations	2	2	1
Number of branches and facilities	27	27	16
Assets (million dollars)	1,088.1	1,226.4	495.8
Withdrawable shares (million dollars)	798.2	741.7	335.3
FINANCIAL SERVICES LOAN COMPANIES			
Number of companies	38	1/ 4	1/ 3
Number of branches	99	1/ 17	1/ 15
Assets (million dollars)	2,622.6	1/ .5	1/ .5

1/ Includes only financial services loan companies that issue investment certificates. The Department of Commerce and Consumer Affairs will no longer be reporting data on financial services loan companies that do not issue investment certificates.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Financial Institutions, *Comparative Statements of Condition* (semi-annual).

**Table 15.05-- CHARACTERISTICS OF BANKS HEADQUARTERED IN HAWAII:
DECEMBER 31, 2000**

[Includes their out-of-State branches and facilities. Excludes data for banks with branches and facilities in Hawaii but headquartered outside Hawaii. Covers 8 banks with 7,320 employees]

Subject	Million dollars	Subject	Percent of loans
ASSETS AND LIABILITIES		ASSET QUALITY OF LARGE COMMERCIAL BANKS	
Assets	24,393	Loan loss reserve	2.05
Foreign 1/	3,243	Net chargeoffs	0.83
Domestic 2/	21,150	Past due and non-accrual	2.54
Loans	16,996	Real estate	2.29
Foreign 1/	2,204	Commercial	3.23
Domestic 2/	14,792	Consumer	3.75
Investment securities	4,471	Agricultural	1.54
Liabilities	22,224		
Deposits	17,453		
Foreign 1/	3,035		
Domestic 2/	14,418		
Other borrowings	2,311		
Equity capital	2,170		
Loan loss reserve	349		
Unused commitments	9,306		

1/ The assets, loans or deposits of the offices of the banks in foreign countries.

2/ The assets, loans or deposits of the bank offices within the United States.

Source: Federal Reserve Bank of San Francisco, records.

Table 15.06-- CREDIT UNIONS: 1995 TO 2000

[As of December 31]

Year	Number of credit unions	Assets (dollars)	Shares (dollars)	Loans (dollars)	Number of credit union members
1995	116	3,443,396,724	2,999,651,425	1,771,036,866	558,874
1996	113	3,474,986,063	2,994,177,447	1,827,466,569	561,207
1997	113	3,590,818,327	3,079,347,098	1,884,633,550	569,682
1998	109	3,792,497,472	3,268,297,338	1,926,800,064	578,228
1999	106	3,911,738,643	3,371,485,432	2,009,440,975	590,118
2000	102	4,104,126,744	3,525,977,325	2,179,039,874	612,249

Source: Hawaii Credit Union League, records.

**Table 15.07-- INSURANCE BUSINESS TRANSACTED IN HAWAII:
1994 TO 1999**

[Includes data for all insurance companies, life or other, licensed in Hawaii]

Year	Number of companies licensed, Dec. 31	Premiums paid (\$1,000)	Losses, claims and benefits paid (\$1,000)	Cumulative net investments in Hawaii, Dec. 31 1/ (\$1,000)
1994	899	2,219,018	1,169,001	4,127,866
1995	922	2,307,514	1,274,272	3,592,679
1996	935	2,195,345	1,306,135	3,107,183
1997	942	2,082,792	1,335,507	4,548,573
1998	979	1,955,457	1,352,865	4,792,872
1999	992	1,997,905	2,187,970	4,241,739

1/ Excludes bank balances.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii* (annual).

**Table 15.08-- LIFE INSURANCE BUSINESS TRANSACTED IN HAWAII:
1994 TO 1999**

[Includes fraternal benefit societies]

Year	Number of companies licensed in Hawaii, Dec. 31	Face value of policies written 1/ (\$1,000)	Insurance in force, Dec. 31 2/ (\$1,000)	Premiums 3/ (\$1,000)	Losses, claims, and benefits paid 3/ (\$1,000)
1994	486	9,448,181	56,757,181	418,684	188,704
1995	486	7,844,654	56,572,022	504,683	457,824
1996	490	8,851,486	58,303,390	463,876	558,922
1997	483	8,136,599	61,707,533	497,357	668,174
1998	485	7,237,492	63,999,905	485,295	661,743
1999	483	12,397,141	69,661,030	519,003	1,552,836

1/ Includes insurance revived, increased, or transferred. Excludes annuities. Data not audited.

2/ Excludes annuities. Data not audited.

3/ Life insurance portion excludes annuities, but fraternal portion includes it.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii* (annual), and records.

Table 15.09-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF INSURANCE: 1999

[Dollars]

Class of insurance	Premiums	Losses, claims, and benefits paid
All classes	1,997,905,452	2,187,969,902
Life 1/	514,450,340	1,549,942,710
Fraternal	4,552,907	2,893,457
Fire, marine, casualty, and miscellaneous:		
Accident and health	185,949,882	104,518,527
Fire	26,664,481	5,571,695
Allied lines	18,932,689	2,616,702
Multiple peril crop	1,132,943	-
Federal flood	10,395,086	15,240
Farmowners multiple peril	64,915	9,187
Homeowners multiple peril	126,619,837	21,403,018
Commercial multiple peril (fire & allied lines)	51,994,994	7,308,405
Commercial multiple peril (liability portion)	44,770,900	18,015,541
Mortgage guaranty	18,445,238	11,822,386
Ocean marine	7,566,827	2,684,321
Inland marine	18,396,158	4,159,115
Financial guaranty	3,453,787	-
Medical malpractice	24,804,204	15,632,233
Earthquake	1,293,125	2,224
Workers' compensation	157,708,743	110,554,029
Other liability	89,129,994	27,872,214
Products liability	5,852,586	5,400,164
Private passenger auto no-fault	69,213,253	43,778,401
Other private passenger auto liability	268,538,478	126,267,331
Commercial auto no-fault	5,056,660	3,820,500
Other commercial auto liability	62,354,707	23,733,587
Private passenger auto physical damage	130,593,591	66,619,828
Commercial auto physical damage	13,623,697	6,654,718
Aircraft	8,194,348	11,063,603
Fidelity	3,762,235	473,061
Surety	17,025,654	2,158,253
Burglary and theft	171,415	-926
Boiler and machinery	2,069,129	1,876,436
Credit	1,525,448	687,401
Title	40,858,163	2,532,199
All other	5,427,095	3,769,737
Surplus lines	57,311,943	4,114,605

1/ Excludes annuities.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2000*, p. 6.

**Table 15.10-- INSURANCE BUSINESS TRANACTED IN HAWAII, BY
LOCATION OF HOME OFFICE: 1999**

[Money amounts in millions of dollars. For all insurance companies licensed to do business in Hawaii]

Subject	All companies	Domestic com- panies 1/	Foreign com- panies 2/	Alien com- panies 3/ (U.S. business only)
Number of companies, Dec. 31	992	21	957	14
Life incl. Fraternal Benefit Societies	483	5	472	6
Other than life	509	16	485	8
Financial condition, Dec. 31:				
Assets	3,681,857.1	1,457.2	3,640,990.0	39,410.4
Liabilities exc. capital and surplus	3,230,698.1	1,001.3	3,195,697.8	33,999.0
Policyholders' surplus incl. capital	451,159.0	455.9	445,291.7	5,411.4
Capital	7,682.3	53.5	7,606.9	21.9
Net gain or loss	41,322.2	48.9	39,634.5	1,638.7
Hawaii business:				
Direct premiums written	2,280.3	449.4	1,808.5	22.5
Claims and benefits paid	2,450.7	208.7	2,224.9	17.1
Investments in Hawaii, Dec. 31	4,241.7	130.7	4,048.8	62.3
Mortgage loans (principal indebtedness)	533.9	84.5	449.4	-
Collateral loans (amount loaned)	17.1	4.7	12.4	-
State and county bonds 4/	1,294.0	10.5	1,233.7	49.8
Utilities stocks and bonds 4/	470.2	-	470.2	-
Industrial and misc. stocks and bonds 4/	1,538.6	20.8	1,505.4	12.4
Real estate 5/	387.9	10.2	377.7	-
Balances in Hawaii banks	109.9	30.5	79.5	-

1/ A domestic insurer is one formed under the laws of Hawaii.

2/ A foreign insurer is one formed under the laws of any State of the United States (including the District of Columbia and Commonwealth of Puerto Rico) other than Hawaii.

3/ An alien insurer is one formed under the laws of a nation other than the United States.

4/ Market value.

5/ Market value less encumbrances.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2000*, pp. 18-45.

Table 15.11-- HEALTH PLANS: 1997 TO 2000

Subject	1997	1998	1999	2000
Hawaii Medical Service Association: 1/ Persons covered, Dec. 31 2/ Membership dues 3/ (\$1,000)	584,662 1,147,735	524,561 1,038,656	499,706 1,039,271	491,257 1,118,980
Health Plan Hawaii: 4/ Persons covered, Dec. 31 2/ Membership dues 3/ (\$1,000)	48,940 5/ 61,667	75,534 5/ 87,619	5/ 125,332 139,393	125,003 204,865
Queen's Health Plans: 6/ Persons covered, Dec. 31 2/ Membership dues 3/ (\$1,000)	41,541 66,310	45,465 65,297	43,788 75,340	40,889 80,642
Kaiser Foundation Health Plan: Persons covered: 2/ Annual average Dec. 31 Membership dues 3/ (\$1,000)	203,696 209,756 313,272	5/ 209,913 210,502 324,196	210,421 210,151 342,061	213,099 217,262 358,509
University Health Alliance: Persons covered, Dec. 31 2/ Membership dues 3/ (\$1,000)	9,406 14,908	10,033 13,524	14,005 16,965	19,290 25,162
Commercial carrier premiums for accident and health insurance (\$1,000)	179,958	157,953	185,950	(NA)

NA Not available.

1/ Includes Straub Health Plan and Pacific Healthcare.

2/ Subscribers and dependents, whether on a group or individual basis.

3/ Includes both employers' and employees' contributions.

4/ Health Plan Hawaii is an HMSA affiliate HMO.

5/ Revised.

6/ Includes Queen's Island Care, Queen's Hawaii Care and Queen's Preferred Plan. Queen's Preferred Plan began in March 1997.

Source: Data provided by Hawaii Medical Service Association, Queen's Health Plans, Kaiser Foundation Health Plan, Inc. and University Health Alliance; Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner* (annual).

Table 15.12-- PERCENT OF PERSONS NOT COVERED BY HEALTH INSURANCE: ANNUAL AND TWO-YEAR AVERAGES FOR 1997 TO 1999

Subject	Annual			Two-year moving average	
	1997	1998	1999	1997-98	1998-99
Percent not covered 1/	7.5	10.0	11.1	8.8	10.6
Standard error	0.7	0.8	0.8	0.6	0.6
Rank 2/	1	5	13	1	8

1/ The 1999 annual U.S. percentage was 15.5. The 1998-99 U.S. two-year moving average percentage was 15.9.

2/ Among 50 states, with lowest percentage ranking 1.

Source: U.S. Census Bureau, "Health Insurance Coverage: 1999" (September 29, 2000) at <http://www.census.gov/hhes/hlthins/hlthin99/hi99te.html>.

Table 15.13-- AVERAGE EXPENDITURES AND PREMIUMS FOR PERSONAL AUTOMOBILE INSURANCE, FOR THE UNITED STATES AND HAWAII: 1995 TO 1999

Year	Average expenditures 1/			Combined average premiums 2/		
	United States (dollars)	Hawaii		United States (dollars)	Hawaii	
		Average (dollars)	Rank 3/		Average (dollars)	Rank 3/
1995	668.27	963.08	2	4/ 761.84	4/ 1,096.67	2
1996	4/ 690.83	958.69	4	4/ 784.33	4/ 1,096.01	4
1997	4/ 706.34	912.36	4	4/ 802.47	4/ 1,038.02	4
1998	4/ 704.09	797.49	11	4/ 801.20	4/ 919.73	9
1999	683.27	734.90	15	783.14	857.43	13

1/ Total written premiums for all coverages divided by the liability written car years. Assumes that all insured vehicles carry liability coverage but do not necessarily carry collision and/or comprehensive coverage.

2/ Average premiums for each of the major coverages (liability, comprehensive, and collision) added together to estimate the representative average premium for an insured vehicle carrying all coverages.

3/ Among 50 States and D.C., highest combined average premium ranked 1.

4/ Revised.

Source: National Association of Insurance Commissioners, *State Average Expenditures & Premiums for Personal Automobile Insurance in 1999* (May 2001), tables 2 and 3.

**Table 15.14-- FIRES, DEATHS, AND LOSSES REPORTED BY COUNTY
FIRE DEPARTMENTS: 1996 TO 2000**

[Years ended June 30]

Subject and year	State total	Honolulu	Hawaii	Kauai	Maui
Number of fires:					
1996	4,134	2,818	561	194	561
1997	3,721	2,623	463	144	491
1998	4,448	2,980	608	247	613
1999	4,116	2,583	560	298	675
2000	4,049	2,655	558	231	605
Fire deaths:					
1996	9	3	5	1	-
1997	12	11	-	-	1
1998	13	12	-	1	-
1999	2	2	-	-	-
2000	3	2	1	-	-
Fire losses (\$1,000):					
1996	23,613	14,993	4,311	1,622	2,687
1997	26,646	17,333	4,918	1/ 587	3,808
1998	24,727	13,252	6,447	1/ 1,080	3,948
1999	22,213	13,237	4,019	1/ 1,067	3,890
2000	20,860	11,979	5,302	1/ 706	2,873

1/ Fire losses includes investigated structural fires only. No estimated loss available for non-structural fires or structural fires that were not investigated.

Source: Compiled by Hawaii State Department of Business, Economic Development & Tourism from Honolulu Fire Department, Hawaii County Fire Department, Kauai Fire Department, and Maui County Department of Fire Control.

**Table 15.15-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS:
1989 TO 1999**

[Data refer to establishments with taxable payrolls. Coverage excludes government and self-employed workers]

Year	Number of employees 1/	Payroll (\$1,000)		Number of establishments by employment-size class 2/			
		First quarter	Annual	Total	1 to 4	5 to 9	
1989	410,745	1,924,365	8,253,134	28,443	14,736	6,006	
1990	432,663	2,157,724	9,296,865	29,313	15,243	6,064	
1991	442,743	2,341,662	9,893,345	29,736	15,082	6,392	
1992	449,173	2,490,029	10,470,074	30,467	15,567	6,479	
1993	435,907	2,480,288	10,552,017	30,157	15,456	6,383	
1994	425,987	2,538,482	10,551,036	29,995	15,548	6,326	
1995	423,822	2,611,193	10,695,990	29,942	15,599	6,305	
1996	424,116	2,666,805	10,954,149	29,967	15,785	6,257	
1997	426,129	2,707,015	11,179,954	29,991	15,842	6,221	
1998	416,571	2,736,665	11,291,978	29,603	15,466	6,235	
1999	419,047	2,756,846	11,661,968	29,569	15,520	6,111	
	Number of establishments by employment-size class 2/--Con.						
Year	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 or more
1989	3,805	2,443	874	427	86	40	26
1990	3,881	2,619	878	467	93	41	27
1991	4,000	2,715	924	452	100	45	26
1992	4,135	2,737	932	441	99	51	26
1993	4,113	2,704	907	428	99	40	27
1994	4,088	2,602	876	389	94	47	25
1995	4,064	2,515	895	394	102	45	23
1996	3,930	2,561	856	412	99	42	25
1997	3,934	2,515	898	411	99	47	24
1998	3,952	2,498	883	404	97	45	23
1999	3,948	2,474	924	412	115	43	22

1/ For week including March 12.

2/ Data refer to establishments active anytime during the year.

Source: U.S. Census Bureau, *County Business Patterns* (annual).

**Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, BY
COUNTIES: 1998 AND 1999**

[Excludes government employees and self-employed persons]

Year and county	Number of establishments 1/	Number of employees 2/	Payroll (\$1,000)	
			First quarter	Annual
1998				
State total	29,603	416,571	2,736,665	11,291,978
Hawaii	3,552	38,917	226,696	923,366
Honolulu	20,675	309,487	2,122,955	8,743,933
Kauai	1,630	19,400	101,920	432,132
Maui	3,746	48,767	285,094	1,192,547
1999				
State total	29,569	419,047	2,756,846	11,661,968
Hawaii	3,548	41,739	238,659	1,010,712
Honolulu	20,583	307,514	2,114,960	8,924,076
Kauai	1,648	19,377	108,524	463,512
Maui	3,790	50,417	294,703	1,263,668

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *County Business Patterns 1998, Hawaii*, CBP/98-13 (July 2000), table 5, p. 31 at <http://www.census.gov/prod/2000pubs/cbp98-13.pdf> and *County Business Patterns 1999, Hawaii*, CBP/99-13 (April 2001), table 5, page 31 at <http://www.census.gov/prod/2001pubs/cbp99/cbp99-13.pdf>, accessed May 8, 2001.

**Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY MAJOR GROUP: 1999**

[Excludes government and self-employed workers. Based on NAICS code, and thus not comparable to 1997 and earlier data in previous editions of the *Data Book*, which were based on the Standard Industrial Classification (SIC) code]

NAICS code	Major group	Number of establishments 1/	Number of employees 2/	Annual payroll (\$1,000)
	Total	29,569	419,047	11,661,968
11	Forestry, fishing, hunting and agricultural support	47	518	11,525
21	Mining	11	(B)	(D)
22	Utilities	40	2,448	154,375
23	Construction	2,328	21,518	890,361
31-33	Manufacturing 3/	919	14,512	402,625
311	Food manufacturing	239	5,854	147,450
315	Apparel manufacturing	109	1,700	34,771
323	Printing & related support activities	114	1,363	40,597
42	Wholesale trade	1,812	18,219	600,250
44-45	Retail trade	4,903	60,266	1,262,964
48-49	Transportation & warehousing	699	22,812	762,856
51	Information	493	8,026	332,321
52	Finance & insurance	1,371	19,540	789,327
53	Real estate & rental & leasing	1,783	14,138	398,580
54	Professional, scientific & technical services	2,716	18,137	737,647
55	Management of companies & enterprises	231	5,366	259,973
56	Admin., support, waste mgt., remediation	1,694	31,299	667,180
61	Educational services	430	12,248	310,310
62	Health care and social assistance	2,979	49,343	1,706,595
71	Arts, entertainment & recreation	478	9,721	168,149
72	Accommodation & food services	3,082	84,214	1,581,715
81	Other services (except public admin.)	3,136	22,308	461,915
95	Auxiliaries (except corporate, subsidiary & regional mgt.)	89	4,073	150,720
99	Unclassified establishments	328	(E)	(D)

B 20 to 99.

E 250 to 499.

D Withheld to avoid disclosing data for individual companies.

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

3/ Includes subgroups not shown separately.

Source: U.S. Census Bureau, *County Business Patterns 1999*, Hawaii, CBP/99-13 (April 2001), table 1, pp. 1-2 at <http://www.census.gov/prod/2001pubs/cbp99/cbp99-13.pdf>, accessed May 8, 2001.

Table 15.18-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, BY EMPLOYMENT-SIZE CLASS: 1998 AND 1999

[Excludes government employees and self-employed persons]

Employment-size class	Number of establishments		Number of employees		Annual payroll (\$1,000)	
	1998	1999	1998	1999	1998	1999
Total	29,603	29,569	416,571	419,047	11,291,978	11,661,968
1 to 4	15,466	15,520	28,304	28,059	893,481	898,475
5 to 9	6,235	6,111	41,012	40,186	1,022,641	1,029,327
10 to 19	3,952	3,948	53,139	53,116	1,301,436	1,346,585
20 to 49	2,498	2,474	75,564	74,375	1,860,168	1,921,317
50 to 99	883	924	59,761	62,438	1,531,931	1,604,704
100 to 249	404	412	59,056	60,237	1,645,333	1,702,890
250 to 499	97	115	32,043	38,334	877,205	1,059,145
500 to 999	45	43	30,310	29,773	864,497	895,222
1,000 or more	1/ 23	2/ 22	37,382	32,529	1,295,286	1,204,303

1/ 1,000-1,499 employees, 15 establishments; 1,500-2,499 employees, 6 establishments; 2,500-4,999 employees, 2 establishments.

2/ 1,000-1,499 employees, 16 establishments; 1,500-2,499 employees, 5 establishments; 2,500-4,999 employees, 1 establishment.

Source: U.S. Census Bureau, *County Business Patterns 1998, Hawaii*, CBP/98-13 (July 2000), pp. 3, 25, and 30 at <http://www.census.gov/prod/www/abs/cbptotal.html> and *County Business Patterns 1999, Hawaii*, CBP/99-13 (April 2001), pp. 3, 25, and 30 at <http://www.census.gov/prod/2001pubs/cbp99/cbp99-13.pdf>, accessed May 8, 2001.

Table 15.19-- BUSINESS CLIMATE INDEXES: 1996 TO 2000

Index	1996	1997	1998	1999		2000	
				Index	Rank	Index	Rank
Economic performance	B	C	F	D	38	D	40
Business vitality	F	F	F	F	50	F	48
Development capacity	C	B	B	C	26	D	37

Source: Corporation for Enterprise Development, *2000 Development Report Card for the States* (14th ed., 2000) at <http://drc.cfed.org>, accessed June 25, 2001.

Table 15.20-- CHARACTERISTICS OF BUSINESS AND PROFESSIONAL FIRMS, BY COUNTIES: 1999

Characteristic	State total	Honolulu	Maui	Kauai	Hawaii
All businesses	44,195	31,545	5,095	2,570	4,985
Business type, total 1/	23,625	16,760	2,846	1,399	2,620
Corporation	18,166	13,124	2,186	941	1,915
Partnership	847	540	136	65	106
Proprietorship	4,612	3,096	524	393	599
Employees, total 1/	14,018	10,437	1,306	835	1,440
1 to 4	6,272	4,379	628	492	773
5 to 9	2,997	2,282	271	147	297
10 to 19	2,023	1,576	182	87	178
20 to 49	1,543	1,217	130	71	125
50 to 99	560	463	44	21	32
100 to 199	308	261	23	6	18
200 to 499	182	150	15	8	9
500 to 999	68	50	10	3	5
1,000 and over	65	59	3	-	3
Sales volume, total 1/	11,349	8,529	997	638	1,185
Under \$500,000	6,643	4,823	552	426	842
\$500,000 to \$999,999	1,624	1,240	149	85	150
\$1.0 to \$4.9 million	1,885	1,477	194	89	125
\$5.0 to \$9.9 million	420	337	46	13	24
\$10.0 to \$24.9 million	351	287	31	15	18
\$25.0 million and over	426	365	25	10	26
Year established, total 1/	23,550	18,032	2,044	1,158	2,316
1821 to 1849	29	16	3	2	8
1850 to 1899	167	117	16	12	22
1900 to 1949	1,294	943	106	71	174
1950 to 1959	1,223	1,002	72	45	104
1960 to 1969	2,541	2,036	188	99	218
1970 to 1979	6,088	4,560	633	264	631
1980 to 1989	8,078	6,044	659	504	871
1990 and later	4,130	3,314	367	161	288

1/ Distributions exclude non-responding firms and those for which item (typically sales volume) was not applicable.

Source: HBD Inc., *Hawaii Business Directory 1999-2000* (December 1999), pp. viii, ix, xxix.

**Table 15.21-- REGISTERED CORPORATIONS AND PARTNERSHIPS:
1997 TO 2000**

[Excludes eleemosynary corporations]

Subject	1997	1998	1999	2000
Domestic (Hawaii) corporations:				
Formed 1/	3,331	2,938	2,672	2,661
Dissolved or merged 2/	2,744	2,957	3,243	3,414
On record, June 30 3/	38,185	38,231	37,612	37,038
Foreign (non-Hawaii) corporations:				
Qualified 1/	939	905	935	1,001
Withdrawn, merged, or cancelled 2/	370	429	513	424
On record, June 30 3/	7,452	7,731	7,890	8,323
Partnerships:				
Registered 1/	1,141	900	718	700
Dissolved or cancelled 2/	1,126	1,044	1,100	1,003
On record, June 30 3/	8,342	8,177	7,628	7,329
Domestic (Hawaii) Limited Liability Companies: 4/				
Formed 1/	143	1,076	1,379	1,940
Dissolved or merged 2/	-	2	11	6
On record, June 30 3/	143	1,216	2,553	4,447
Foreign (non-Hawaii) Limited Liability Companies: 4/				
Qualified 1/	32	184	267	239
Withdrawn or merged 2/	-	5	7	25
On record, June 30 3/	32	233	472	693
Domestic (Hawaii) Limited Liability Partnerships: 4/				
Formed 1/	8	31	41	33
Dissolved or merged 2/	-	1	3	10
On record, June 30 3/	8	44	81	103
Foreign (non-Hawaii) Limited Liability Partnerships: 4/				
Qualified 1/	-	8	6	3
Withdrawn or cancelled 2/	-	-	-	-
On record, June 30 3/	-	10	14	17

1/ Annual totals for fiscal years ended June 30.

2/ Annual totals for fiscal years ended June 30. Annual fluctuations may partly reflect the sporadic purging of defunct firms from the registration files.

3/ Number on record may be inconsistent with data on components of change, reflecting inaccuracy in manual tabulation.

4/ The Limited Liability Company Act and the Hawaii Limited Liability Partnership Act were signed into law effective April 1, 1997. For 1997, data covered the period April 1 to June 30, 1997.

Source: Hawaii State Department of Commerce and Consumer Affairs, Business Registration Div., records.

**Table 15.22-- CHARACTERISTICS OF CORPORATIONS, PARTNERSHIPS,
AND PROPRIETORSHIPS: 1992, 1995 AND 1998**

[Money amounts in millions of dollars]

Subject	1992 1/	1995	1998
CORPORATIONS 2/			
Number of corporations	23,777	25,293	29,612
Taxable	9,724	9,757	13,621
Nontaxable	13,322	15,536	15,991
Business receipts	40,541	44,799	46,899
Taxable corporations	21,963	24,506	28,633
Nontaxable corporations	18,578	20,293	18,266
Taxable income, excluding net losses 3/	1,370	1,255	2,691
PARTNERSHIPS			
Number of partnerships	5,855	5,474	7,067
With net profit	3,279	3,128	1,740
With net loss	2,252	2,346	5,327
Number of partners	193,063	155,343	287,017
Business receipts	6,306	5,729	3,122
Businesses with net profit	4,656	4,463	2,041
Businesses with net loss	1,650	1,266	1,081
Net profit reported	1,134	1,187	1,249
Net loss reported	1,156	800	713
PROPRIETORSHIPS			
Number of proprietorships	75,054	78,676	87,571
With net profit	51,260	55,233	60,020
With net loss	20,127	22,807	27,551
Business receipts	2,397	2,708	2,982
Businesses with net profit	2,071	2,387	2,642
Businesses with net loss	532	321	340
Net profit reported	660	751	862
Net loss reported	96	115	143

1/ Data for items other than total numbers of corporations, partnerships, and proprietorships exclude Kauai County.

2/ Includes domestic, foreign, and small business corporations.

3/ Includes taxable income reported by small business corporations, taxable to individual stockholders only.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns, Corporation, Proprietorship, Partnership* (periodic), and records.

Table 15.23-- LARGEST PUBLIC AND PRIVATE COMPANIES: 1999

[Data may include sales and employment on the Mainland or abroad]

Rank in sales	Company	Year founded 1/	Sales (million dollars)	Employees
1	Hawaiian Electric Industries Inc.	1891/1983	1,523.3	3,262
2	BancWest Corp.	1858/1974	1,333.3	4,946
3	Pacific Century Financial Corp.	1897	1,292.1	4,700
4	Hawaii Medical Service Assn. (HMSA)	1938	1,058.4	1,514
5	Alexander & Baldwin Inc.	1870/1900	959.3	2,050
6	Tesoro Hawaii Corp.	1904	868.0	740
7	Kamehameha Schools	1884	839.0	1,250
8	GTE Hawaiian Tel	1883	679.1	2,589
9	Kyo-ya Co. Ltd.	1961	544.8	4,060
10	Schuler Homes Inc.	1988	506.8	451

1/ If two years or more are given, the first is the founding date of the original company, the second is when it became a holding company, was sold, or legally changed its name.

Source: "The Hawaii Business Top 250," *Hawaii Business*, August 2000, p. 68.

Table 15.24-- NET INCOME OR LOSS AND TOTAL REVENUES OF SELECTED COMPANIES: 1998 AND 1999

[Based on 1999 ranks for reporting companies]

Company	Net income or loss (\$1,000)		Sales (\$1,000,000)	
	1998 1/	1999	1998	1999
Largest net incomes:				
BancWest Corp.	76,606	172,378	804.0	1,333.3
Pacific Century Financial Corp.	2/ 106,964	132,957	1,311.6	1,292.1
Hawaiian Electric Industries Inc.	84,800	96,847	1,485.2	1,523.3
Largest net losses:				
Hawaiian Airlines Inc.	8,205	(29,270)	426.4	488.9

1/ Revised figures from 1999 company reports were listed in the footnotes of the *Hawaii Business* table, but were not updated in their table.

2/ Revised in the *Hawaii Business* table.

Source: "The Hawaii Business Top 250," *Hawaii Business*, August 2000, p. 53.

**Table 15.25-- MINORITY-OWNED BUSINESS ENTERPRISES:
1992 AND 1997**

[In previous Economic Censuses, ownership was based on the race/ethnicity/gender of the of the majority of the number of owners, without regard to the percentage of interest owned in the firm. Businesses with 50 percent or more minority owners have in the past been included in the minority business counts. In the 1997 Economic Census, 51 percent or more of the interest, claims or rights in the business must be held by minorities to be included as a minority-owned business]

Year and characteristics	All firms (whether or not owned by minorities)	Firms owned by minorities 1/		
		Black- owned	Hispanic- owned 2/	Owned by Asians and others 3/
1992				
All firms:				
Number	79,050	717	3,192	38,392
Sales and receipts (\$1,000)	10,724,000	27,382	187,717	4,766,788
Firms with paid employees:				
Number	10,420	42	277	5,301
Sales and receipts (\$1,000)	8,806,000	16,794	131,663	3,804,639
Employees	99,280	211	2,357	42,461
Annual payroll (\$1,000)	1,799,000	2,513	39,300	724,331
1997				
All firms:				
Number	93,981	638	4,153	51,092
Sales and receipts (\$1,000)	55,361,257	34,165	277,047	14,571,305
Firms with paid employees:				
Number	23,415	168	360	12,264
Sales and receipts (\$1,000)	52,869,179	20,562	178,206	13,408,466
Employees	412,304	561	2,276	123,787
Annual payroll (\$1,000)	10,418,079	7,502	45,306	3,017,926

Footnotes and source on next page.

**Table 15.25-- MINORITY-OWNED BUSINESS ENTERPRISES:
1992 AND 1997 -- Cont.**

1/ Persons of mixed race were instructed to report the race they most closely identified with. Whites (Caucasians), although only 33.4 percent of the 1990 population of Hawaii, were treated as a non-minority group for census purposes.

2/ Persons of Hispanic origin may be members of any race.

3/ Asians, Pacific Islanders (including Hawaiians), American Indians, and Alaska Natives. For the 1992 Economic Census, state detail for individual races were not available. For the United States as a whole, Hawaiians owned 11,587 firms with gross receipts of \$1,058,332,000.

Source: U.S. Bureau of the Census, *1992 Economic Census, Survey of Minority-Owned Business Enterprises, Black*, MB92-1 (Jan. 1996), tables 2 and 11; *Hispanic*, MB92-2 (June 1994), tables 3 and 14; *Asians and Pacific Islanders, American Indians, and Alaska Natives*, MB92-3 (July 1996), tables A, 2, and 11; U.S. Census Bureau, *1997 Economic Census, Survey of Minority-Owned Business Enterprises, Company Statistics Series, Black*, EC97CS-3 (March 2001), table 2; *Hispanic*, EC97CS-4 (February 2001), table 3; *Asians and Pacific Islanders*, EC97CS-5 (May 2001), table 3; *American Indians and Alaska Natives*, EC97CS-6 (May 2001), table 2; and *1997 Economic Census Minority-and Women-Owned Businesses - Hawaii* at <http://www.census.gov/epcd/mwb97/hi/HI.html>, accessed July 10, 2001.

**Table 15.26-- ASIAN AND PACIFIC ISLANDER MINORITY-OWNED BUSINESS
ENTERPRISES: 1997**

Characteristics	All firms		Firms with paid employees			
	Number	Sales and receipts (\$1,000)	Number	Sales and receipts (\$1,000)	Employees	Annual payroll (\$1,000)
Total	50,634	14,523,171	12,231	13,389,298	123,645	3,014,860
Asian	43,711	13,557,740	11,269	12,540,708	113,002	2,794,629
Asian Indian	326	59,179	156	57,178	870	12,964
Chinese	8,889	2,192,616	2,632	1,916,088	18,766	492,003
Filipino	7,503	486,521	765	343,023	4,377	86,261
Japanese	21,179	9,670,756	5,608	9,208,254	79,564	2,030,096
Korean	3,585	861,340	1,461	758,907	6,771	112,098
Vietnamese	1,476	132,823	289	108,339	510	11,292
Other Asian	753	154,505	358	148,919	2,144	49,915
Pacific Islander	6,924	965,430	962	848,589	10,643	220,230
Native Hawaiian	6,600	828,532	875	720,673	9,071	191,527
Other Pacific Islander	324	136,898	87	127,916	1,572	28,703

Source: U.S. Census Bureau, *1997 Economic Census, Survey of Minority-Owned Business Enterprises, Company Statistics Series, Asians and Pacific Islanders*, EC97CS-5 (May 2001), table 5.

Table 15.27-- WOMEN-OWNED BUSINESSES: 1987, 1992 AND 1997

[In previous Economic Censuses, ownership was based on the race/ethnicity/gender of the of the majority of the number of owners, without regard to the percentage of interest owned in the firm. Businesses with 50 percent or more minority owners have in the past been included in the minority business counts. In the 1997 Economic Census, 51 percent or more of the interest, claims or rights in the business must be held by minorities to be included as a minority-owned business and similarly for women]

Subject	All firms (whether or not owned by minorities)	Women- owned firms 1/	Percent women- owned 1/
1987			
All firms:			
Number	60,928	21,696	35.6
Sales and receipts (\$1,000)	6,522,000	856,930	13.1
1992			
All firms:			
Number	79,050	29,743	37.6
Sales and receipts (\$1,000)	10,724,000	2,574,800	24.0
Firms with paid employees:			
Number	10,420	3,089	29.6
Sales and receipts (\$1,000)	8,806,000	2,044,345	23.2
Employees	99,280	25,937	26.1
Annual payroll (\$1,000)	1,799,000	421,866	23.5
1997			
All firms:			
Number	93,981	25,807	27.5
Sales and receipts (\$1,000)	55,361,257	3,253,329	5.9
Firms with paid employees:			
Number	23,415	3,767	16.1
Sales and receipts (\$1,000)	52,869,179	2,761,205	5.2
Employees	412,304	30,138	7.3
Annual payroll (\$1,000)	10,418,079	580,473	5.6

1/ A firm is classified as women-owned if the sole proprietor or at least half of the partners or shareholders were women.

Source: U.S. Bureau of the Census, *1992 Economic Census, WB92-1, Women-Owned Businesses* (Jan. 1996), tables 2 and 11, and *1997 Economic Census, EC97CS-2, Women-Owned Businesses, Hawaii* (March 2001); *1997 Economic Census, Minority and Women-Owned Businesses, Hawaii* at <http://www.census.gov/epcd/mwb97/hi/HI.html> accessed 5/8/2001; DBED, Data Book 1993-94, table 15.26.

Section 16

COMMUNICATIONS

This section presents statistics on the usage, finances, and operations of the Postal Service and of various communications media: telephone, radio, television, newspapers, periodicals, and books. Sections 12 and 15 contain employment and payroll data for communications establishments.

The major sources for statistics on communications are the reports and records of the U.S. Postal Service, Federal Communications Commission, Hawaii State Department of Commerce and Consumer Affairs, GTE Hawaiian Telephone Company, and the Nielsen Station Index. Earlier figures appear in *Historical Statistics of Hawaii*, Section 18. Data on communications for other states and for the nation as a whole are presented in the *Statistical Abstract of the United States: 2000*, Section 18.

Table 16.01-- COMMUNICATION AND RELATED ESTABLISHMENTS: 1997

SIC code	Industry	No. of establishments	No. of employees for week including March 12	Annual Payroll (\$1000)
27	Printing and publishing	179	3,225	113,434
271	Newspapers	23	1,466	60,153
272	Periodicals	36	325	11,268
273	Books	10	1/	(D)
274	Miscellaneous publishing	9	1/	(D)
48	Communication	215	6,550	279,076
481	Telephone	138	4,608	196,041
483	Radio & TV broadcasting	51	1,196	47,076
484	Cable & other pay TV services	17	599	29,155
489	Communication services, n.e.c.	9	147	6,804
5942	Book stores	57	695	10,246
731	Advertising	94	666	22,902
7311	Advertising agencies	66	518	19,149

D Withheld to avoid disclosing data for individual companies.

n.e.c. Not elsewhere classified.

1/ 20-99.

Source: U.S. Census Bureau, *County Business Patterns 1997, Hawaii*, CBP/97-13 (September 1999).

Table 16.02-- STATISTICAL SUMMARY FOR INFORMATION INDUSTRIES: 1997

NAICS code	Kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
51	Information, total	458	1,464,152	318,652	8,996
511	Publishing industries	93	273,301	78,970	2,066
5111	Newspaper, periodical, book, & database publishers	77	267,048	76,775	2,005
5112	Software publishers	16	6,253	2,195	61
512	Motion picture & sound recording Industries	108	102,196	20,326	1,496
5121	Motion picture & video industries	99	95,860	19,526	1,473
5122	Sound recording industries	9	6,336	800	23
513	Broadcasting & telecommunications	197	1,057,491	208,563	5,100
5131	Radio & television broadcasting	50	137,679	47,512	1,239
5132	Cable networks & program distribution	18	153,337	29,488	618
5133	Telecommunications	129	766,475	131,563	3,243
514	Information services & data processing services	60	31,164	10,793	334

Source: U. S. Census Bureau, *1997 Economic Census, Information, Geographic Area Series, Hawaii*, EC97551A-HI (October 1999), table 1. Internet site <http://www.census.gov/epcd/www/97EC51.HTM>.

**Table 16.03-- NUMBER OF POST OFFICES AND STATIONS, BY ISLANDS:
SEPTEMBER 10, 1999**

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G 2/	H-J 3/	K 4/	L 5/	Classified 6/	Contract 7/
State total	133	35	25	12	-	34	27
Hawaii	33	9	11	5	-	2	6
Maui	14	9	1	-	-	2	2
Lanai	1	-	1	-	-	-	-
Molokai	5	1	-	4	-	-	-
Oahu	61	12	4	1	-	27	17
Kauai	19	4	8	2	-	3	2
Niihau 8/	-	-	-	-	-	-	-

1/ Changes in CAG assignments are made at the beginning of the Postal fiscal year (September to August). They are determined by the gross revenue from the prior fiscal year as follows: Gross revenue is divided by a revenue unit factor. The revenue unit factor represents the average revenue from mail and special services, including fees, per one thousand pieces of originating mail and special services transactions. CAGs range from A to L.

2/ Formerly called First-class offices.

3/ Formerly called Second-class offices.

4/ Formerly called Third-class offices.

5/ Formerly called Fourth-class offices.

6/ Staffed by career postal employees.

7/ Operated under a contractual agreement between the Postal Service and an individual contractor.

8/ Niihau is served by the Makaweli Post Office on Kauai.

Source: U.S. Postal Service, Honolulu District, records.

Table 16.04-- POSTAL SERVICE: 1994 TO 1999

[Years ended September 30]

Subject	1994	1995	1996	1997	1998	1999
Post offices, September 30	72	72	72	72	72	72
Stations, September 30 1/	73	73	61	59	58	61
Gross postal receipts (\$1,000)	163,493	171,867	172,686	172,714	171,816	174,958
Pieces of mail 2/ (millions)	518	539	530	549	556	560

1/ Includes both classified and contract stations (see preceding table).

2/ Originating in Hawaii.

Source: U.S. Postal Service, Honolulu District, records.

Table 16.05-- TELEPHONE STATISTICAL SUMMARY: 1995 TO 2000

Subject	Number or percent
Telephone revenues (million dollars):	
1995	775
1996	841
1997	930
1998	969
Carrier's carrier	193
User	777
Telephone penetration: 1/	
1984	93.5
1999	96.3
Mobile wireless telephone subscribers:	
Dec. 1999	288,425
June 2000	454,364
Dec. 2000	524,291

1/ Annual average percentage of households with telephone service.

Source: Federal Communications Commission, *Trends in Telephone Service* (Dec. 2000), cited in *FCC News* (Dec. 21, 2000), tables 12.1, 16.5, and 17.2, and *FCC News* (May 21, 2001), table 9.

**Table 16.06-- TELEPHONE ACCESS LINES, BY ISLANDS AND TYPE:
1992 TO 2000**

[As of December 31. Access lines represent the lines connecting customers to the network regardless of the ownership of the customer premises equipment. Business access includes key and coin system lines]

Year	Switched access lines	Oahu	Other islands	Residence	Business
1992	628,222	455,143	173,079	417,595	210,627
1993	648,444	467,858	180,586	429,652	218,792
1994	666,233	477,888	188,345	439,104	227,129
1995	684,820	490,685	194,135	447,188	237,632
1996	705,302	502,745	202,557	454,574	250,728
1997	719,787	509,336	210,451	461,430	258,357
1998 1/	731,519	512,607	218,912	468,218	263,301
1999 1/	737,653	510,591	227,062	473,299	264,354
2000 1/	741,843	507,729	234,114	475,735	266,108

1/ Verizon is not the sole provider of telephone access lines.
Source: Verizon Hawaii, records.

**Table 16.07-- TELEPHONE ACCESS LINES, NON-LIST AND
NON-PUBLISHED NUMBERS IN SERVICE: 1997 TO 2000**

[Data include both residence and business telephone numbers]

Category	1997	1998	1999	2000
Access lines	719,787	731,519	737,653	741,843
Non-list and non-published	235,818	238,160	242,916	249,533
Non-list 1/	2,236	2,056	1,936	2,042
Non-published 2/	233,582	236,104	240,980	247,491

1/ Numbers that are not published in the telephone directory but are available via directory assistance.
2/ Numbers that are not published in the telephone directory and are not available via directory assistance.
Source: Verizon Hawaii, records.

**Table 16.08-- HAWAIIAN TELEPHONE COMPANY OPERATIONS:
1996 TO 2000**

Subject	1996	1997	1998	1999	2000
Operating revenues (\$1,000)	634,921	642,357	671,300	679,100	638,700
Operating expenses (\$1,000)	518,142	502,275	523,700	495,000	468,800
Net income (\$1,000)	54,701	60,998	72,900	96,800	85,300
Net investment in property, plant, and equipment (\$1,000)	822,473	845,352	854,200	835,300	775,000
Total assets (\$1,000)	1,200,985	1,306,113	1,328,400	1,357,400	1,426,800
Access lines 1/	826,619	861,079	919,683	994,456	2/ 919,428
Number of employees 1/	2,911	2,897	2,980	2,589	2,400

1/ Includes Micronesian Telecommunications Corporation.

2/ Change in definition / composition.

Source: Verizon Hawaii, records.

Table 16.09-- HAWAIIAN TELEPHONE COMPANY RATES FOR SPECIFIED TYPES OF SERVICE, FOR HONOLULU: 1990 TO 2000

[In dollars. As of July 1. Including state and federal excise taxes where applicable]

Year	Local call, pay phone	Honolulu to Hilo		Honolulu to California 3/		Monthly charge, indiv. resident line 4/
		Direct dialing 1/	Through operator 2/	Direct dialing 1/	Through operator 2/	
1990	0.25	0.98	2.00	0.78	3.50	20.31
1991	0.25	1.35	2.00	0.75	2.50	20.28
1992	0.25	0.94	2.00	0.75	2.58	20.27
1993	0.25	0.94	2.14	0.75	2.80	21.37
1994	0.25	0.94	2.14	(NA)	(NA)	22.19
1995	0.25	0.84	2.04	0.84	4.04	22.86
1996	0.25	0.85	2.04	(NA)	(NA)	20.60
1997	0.25	0.42	1.62	(NA)	(NA)	20.96
1998	0.35	0.42	1.62	(NA)	(NA)	21.05
1999	0.35	0.42	1.62	(NA)	(NA)	20.79
2000	0.35	0.42	1.62	(NA)	(NA)	22.34

NA Not available.

1/ Daytime calls, first three minutes.

2/ Station-to-station operator-handled daytime weekday calls, first three minutes.

3/ AT&T Communications, Inc., rates quoted for Honolulu to California calls.

4/ Includes for 2000 basic phone rate (\$14.40), interstate subscriber line charge (\$5.00), Telecommunications Relay Service surcharge (\$0.07), E911 surcharge (\$0.27), Service Provider Number Portability fee (\$0.36), and intrastate surcharge, federal excise tax, PUC service fee, and state general excise tax (\$2.24).

Source: Verizon Hawaii, records.

Table 16.10-- CELLULAR TELEPHONE COMPANY REVENUES, BY ISLANDS: 1989 TO 2000

Calendar year	Number of companies	Revenues (\$1,000)				
		Total	Hawaii	Maui	Oahu	Kauai
1989	2	21,758	-	-	21,758	-
1990	4	38,732	150	-	38,475	107
1991	4	48,742	1,734	1,653	44,179	1,176
1992	4	62,127	3,184	2,199	54,031	2,713
1993	5	76,420	4,618	3,470	63,596	4,736
1994	5	95,334	6,712	6,237	77,914	4,471
1995	5	109,746	(NA)	(NA)	(NA)	(NA)
1996	7	123,314	(NA)	(NA)	(NA)	(NA)
1997	8	130,945	(NA)	(NA)	(NA)	(NA)
1998	10	142,129	(NA)	(NA)	(NA)	(NA)
1999	10	227,597	(NA)	(NA)	(NA)	(NA)
2000	10	1/ (NA)	(NA)	(NA)	(NA)	(NA)

NA Not available, due to confidentiality of these reports.

1/ Annual Utility Financial Reports are due on March 31, 2001, thus, we do not have the 2000 financial data at this time. Additional extension until July 31, 2001, may also be requested.

Source: Hawaii State Public Utilities Commission, records.

**Table 16.11-- PERCENT OF HOUSEHOLDS WITH A TELEPHONE,
COMPUTER, AND INTERNET USE: 1997, 1998, AND 2000**

Year	Telephone		Computer		Internet use	
	U.S.	Hawaii	U.S.	Hawaii	U.S.	Hawaii
1997	93.8	94.1	36.6	34.6	18.6	(NA)
1998	94.1	93.2	42.1	42.3	26.2	27.9
2000	(NA)	(NA)	51.0	52.4	41.5	43.0

NA Not available.

Source: National Telecommunications and Information Administration, *Falling Through the Net: Defining the Digital Divide*, July 8, 1999 and *Falling Through the Net II: New Data on the Digital Divide*, July 1998; <http://www.ntia.doc.gov/ntiahome/digitaldivide>; *Falling Through the Net: Toward Digital Inclusion*, October 2000; <http://www.ntia.doc.gov/ntiahome/fttn00/Falling.htm>

**Table 16.12-- CABLE TELEVISION COMPANIES, SUBSCRIBERS, AND
REVENUES, BY COUNTIES: 1998 TO 2000**

County	Number of companies Dec. 31 1/			Subscribers Dec. 31 2/			Basic service revenue (\$1000)		
	1998	1999	2000	1998	1999	2000	1998	1999	2000
State total	4	2	2	345,631	358,273	363,801	93,735	103,131	112,831
Hawaii	2	2	3	34,459	34,268	34,974	10,674	12,107	13,717
Maui	3	3	3	37,057	51,835	47,695	11,797	12,719	14,409
Honolulu	2	2	1	256,436	253,981	262,681	65,650	72,522	78,158
Kauai	1	1	2	17,679	18,189	18,451	5,615	5,783	6,547

1/ State totals are unduplicated figures; one company provided service to three counties.

2/ Hawaiian Cablevision has redefined multiunit as expressed by Federal rules.

Source: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division, records.

Table 16.13-- RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, 1925 TO 2000-2001, AND BY COUNTIES, 2000-2001

Date and county	Commercial stations			Public or educational stations		
	AM	FM	TV 1/	AM	FM	TV 1/
1925: Jan. 1	2	-	-	-	-	-
1930: Jan. 1	1	-	-	-	-	-
1935: Jan. 1	2	-	-	-	-	-
1940: Jan. 1	3	-	-	-	-	-
1945: Jan. 1	4	-	-	-	-	-
1950: June 7	12	-	-	-	-	-
1955: Jan. 1	13	1	3	-	1	-
1960: Jan. 1	17	1	7	-	2	-
1965: Jan. 1	23	2	10	-	-	-
1970: Jan. 1	25	4	10	-	1	2
1975: Jan. 1	26	5	10	-	1	2
1980: Jan. 1	25	10	10	-	1	2
1985: June 30	26	17	13	-	2	2
1990: June 30	28	21	19	-	3	2
1995: June 30	29	33	20	1	3	2
2000-2001	28	40	23	1	7	2
COUNTIES: 2000-01						
Hawaii	5	10	7	-	1	-
Maui	5	10	5	-	1	1
Honolulu 2/	16	16	11	1	3	1
Kauai	2	4	-	-	2	-

1/ Includes satellites but excludes translators and cable television.

2/ Includes one commercial AM station with studio on Oahu but transmitter on Molokai.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), p. 482; Federal Communications Commission, Field Operations Bureau, Honolulu, records; R.R. Bowker, *2001 Working Press of the Nation*, Vol. 3, TV & Radio Directory, 51st edition.

**Table 16.14-- TELEVISION HOUSEHOLDS, BY GEOGRAPHIC AREA:
1998 AND 1999**

Subject	January 1998			January 1999		
	State total	Oahu	Other islands	State total	Oahu	Other islands
All households	394,400	(NA)	(NA)	(NA)	(NA)	(NA)
With television	381,820	277,410	104,410	385,790	280,660	105,130
Percent	96.8	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: Hawaii Public Television, *Nielsen Station Index*.

**Table 16.15-- HOUSEHOLDS AND PERSONS VIEWING TELEVISION BY
TIME OF DAY: 1995 TO 1999**

[In thousands. Mean number of viewers, Sunday through Saturday]

Year and month	Sign-on to sign-off 7 A.M. to 1 A.M.		Prime time 6:30 P.M. to 10 P.M.	
	Households 1/	Persons 2/	Households 1/	Persons 2/
1995: Feb.	170	331	107	187
May	139	276	82	143
Nov.	158	299	112	188
1996: Feb.	155	288	102	177
May	130	244	75	123
Nov.	146	277	84	133
1997: Feb.	159	299	101	177
May	142	255	78	122
Nov.	133	220	77	110
1998: Feb.	131	242	69	110
May	145	264	80	132
Nov.	130	220	74	110
1999: Feb.	135	252	88	143
May	130	231	82	121
Nov.	112	198	59	88

1/ Average number with a TV set turned on.

2/ Average number of persons, 2 years and older, in TV households that are viewing any station.

Source: Hawaii Public Television, *Nielsen Station Index*.

Table 16.16-- NUMBER OF DAILY NEWSPAPERS, BY PLACE OF PUBLICATION AND LANGUAGE: 1975 TO 1999

[The earliest daily newspaper in Hawaii, *The Daily Hawaiian Herald*, first appeared September 4, 1866 and was discontinued December 21, 1866. Permanent dailies were initially published in 1882. Five-year statistics from 1885 to 1975 appear in *Historical Statistics of Hawaii* (1977), table 18.5].

Subject	1975	1980	1985	1990	1995	1999
Totals	7	6	9	9	10	10
Language:						
Chinese	2	1	1	1	1	1
English	3	3	6	6	6	6
Hawaiian	-	-	-	-	-	-
Japanese 1/ Korean	2	2	1	1	1	1
	-	-	1	1	2	2
Place of publication:						
Honolulu	6	5	5	5	6	6
Hilo	1	1	1	1	1	1
Kailua-Kona	-	-	1	1	1	1
Kauai	-	-	1	1	1	1
Maui	-	-	1	1	1	1

1/ Includes bilingual papers (Japanese and English).

Source: Aloha United Way, *Hawaii Media Guide* for 1977-1985; *The State of Hawaii Data Book* for 1977-1998; Helen G. Chapin, forthcoming survey.

Table 16.17-- NUMBER OF NEWSPAPERS, TOTAL AND DAILY: 1834 TO 2000

Year	Total	Daily	Year	Total	Daily
1834 1/	2	-	1920	56	11
1835	1	-	1925	52	7
1840	2	-	1930	61	6
1845	5	-	1935	62	8
1850	4	-	1940	70	7
1855	5	-	1945	82	8
1860	9	-	1950	91	7
1865	5	-	1955	100	7
1870	11	-	1960	102	7
1875	7	-	1965	102	7
1880	10	-	1970	132	7
1885	20	4	1975	140	7
1890	20	5	1980	152	6
1895	35	7	1985	140	9
1900	43	8	1990	149	9
1905	50	11	1995	152	10
1910	54	7	2000	135	10
1915	48	8			

1/ The two earliest newspapers in Hawaii were both established in 1834.

Source: Helen G. Chapin, *Guide to Newspapers of Hawai'i 1834-2000* (Hawaiian Historical Society, 2000), pp. 127-226; Robert C. Schmitt, *Historical Statistics of Hawaii* (The University Press of Hawaii, 1977), table 18.5; present report, table 16.15.

Table 16.18-- AVERAGE PAID CIRCULATION OF DAILY AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 1996-1997 TO 1999-2000

[Averages for 12-month periods ended in March. Foreign-language daily newspapers, not included in this table, are the *Hawaii Hochi*, Japanese and English; *Korean Times*, *Han Kook Ilbo* and *Korea Central Daily*, Korea; and *United Chinese Press*, Chinese]

Newspaper	1996-97	1997-98	1998-99	1999-2000
Daily:				
<i>The Honolulu Advertiser</i> 1/	104,960	104,233	104,602	107,495
<i>Honolulu Star-Bulletin</i> 2/	71,418	69,188	67,124	63,480
<i>Hawaii Tribune-Herald</i> (Hilo) 3/	19,079	(NA)	19,069	(NA)
<i>West Hawaii Today</i> (Kailua-Kona) 3/	11,334	10,938	11,667	11,206
<i>Maui News</i> (Wailuku) 4/	17,702	17,142	16,970	5/ 17,225
<i>Garden Island</i> (Lihue) 4/	7,551	8,352	8,790	6/ 8,379
Sunday morning:				
<i>The Honolulu Advertiser</i>	190,475	190,349	188,556	187,277
<i>Hawaii Tribune-Herald</i> (Hilo)	22,894	(NA)	22,851	(NA)
<i>West Hawaii Today</i> (Kailua-Kona)	13,668	13,981	14,610	14,617
<i>Maui News</i> (Wailuku)	23,992	24,098	24,220	24,365
<i>Garden Island</i> (Lihue)	7,750	9,293	9,395	9,210

NA Not available.

1/ Mornings, Monday through Saturday.

2/ Afternoons, Monday through Saturday.

3/ Mornings, Monday through Friday.

4/ Afternoons, Monday through Friday.

5/ The *Maui News* became a morning paper on July 24, 2000.

6/ As of September 2000, The *Garden Island* added a Saturday morning edition.

Source: Data provided by newspaper publishers to Hawaii State Department of Business, Economic Development & Tourism.

Table 16.19-- POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU: 1990 TO 2001

[In cents. As of July 1]

Year	Domestic first-class postage rates			Newspaper price 1/	
	Letters		Postal and post cards	Daily	Sunday
	First ounce	Each added ounce			
1990	25	20	15	35	125
1991	29	23	19	35	125
1992	29	23	19	35	150
1993	29	23	19	50	150
1994	29	23	19	50	150
1995	32	23	20	50	150
1996	32	23	20	50	175
1997	32	23	20	50	175
1998	32	23	20	50	175
1999	33	22	20	50	175
2000	33	22	20	50	175
2001	34	23	21	1/ 50	1/ 175

1/ Street sales, for *The Honolulu Advertiser* (daily, all years), *Honolulu Star-Bulletin* (daily, all years), the *Sunday Star-Bulletin and Advertiser* (through February 27, 1993), and the *Sunday The Honolulu Advertiser* (beginning March 7, 1993). Honolulu Star-Bulletin, under new owner Oahu Publications, began to publish on March 15, 2001, daily street price is 50 cents; began the Sunday edition on April 1, 2001, street price is 125 cents.

Source: Postal rates from *Statistical Abstract of the United States, 1999*, p. 590; U.S. Postal Service, *Domestic Rates and Fees*. Newspaper rates from Hawaii Newspaper Agency and Oahu Publications.

**Table 16.20-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE
UNIVERSITY OF HAWAII PRESS: 1990 TO 2000**

Year	Published titles 1/		New books and journals published 3/		Volumes sold 3/	Book sales revenues 3/ (dollars)
	Cumulative total 2/	In print	Books	Scholarly journals		
1990	971	703	53	13	422,266	2,591,790
1991	1,024	705	53	12	365,790	2,721,480
1992	1,072	717	48	12	350,274	2,611,388
1993	1,123	738	51	12	354,063	2,859,494
1994	1,183	772	60	13	378,807	2,960,051
1995	1,257	790	74	13	385,673	3,014,268
1996	1,323	823	54	12	374,168	2,896,316
1997	1,402	833	65	12	322,378	3,182,690
1998	1,486	818	84	12	290,199	3,042,984
1999	1,572	897	83	12	272,407	3,365,336
2000	1,650	930	82	12	320,509	3,340,336

1/ As of June 30. Excludes journals.

2/ Includes books and other media, but not journals.

3/ Year ended June 30.

Source: The University of Hawaii Press, *Annual Report* (annual) and records.

Section 17

ENERGY AND SCIENCE

This section presents statistics on fuel resources, energy production and consumption, the electric and gas utility industries, research and development, and scientific, engineering, and technological resources. Related series are cited in Sections 12 (utility employment), 14 (prices), and 18 (gasoline consumption).

Information on energy and science can be obtained from reports and records of the U.S. Department of Energy; U.S. Patent and Trademark Office; U.S. Bureau of Labor Statistics; National Science Foundation; Hawaii State Department of Taxation; Hawaii State Department of Commerce and Consumer Affairs; Hawaii State Department of Business, Economic Development & Tourism, Energy Division; University of Hawaii, Institute of Astronomy; and individual utility companies. *Historical Statistics of Hawaii*, Section 19, presents data for earlier years. Data for the nation as a whole can be found in the *Statistical Abstract of the United States: 2000*, Sections 19 and 20.

**Table 17.01-- CONSUMPTION OF ENERGY, BY SOURCE
(PHYSICAL UNITS): 1960 TO 1999**

Year	Coal 1/ (1,000 short tons)	Natural gas 2/ (billion cubic feet)	Petroleum (1,000 barrels)	Hydroelectric power 3/ (million kWh)	Wood and waste (million kWh)	Other 1/ 4/ (million kWh)	Total 5/
1960	0	0	6/ 16,844	27	(NA)	(NA)	(NA)
1965	0	0	6/ 22,478	105	(NA)	(NA)	(NA)
1970	0	0	6/ 34,105	108	(NA)	(NA)	(NA)
1975	0	0	6/ 37,097	89	(NA)	(NA)	(NA)
1980	0	3	6/ 43,562	86	(NA)	(NA)	(NA)
1985	46	2	6/ 40,091	86	(NA)	(NA)	(NA)
1990	28	3	6/ 48,714	6/ 79	(NA)	(NA)	(NA)
1991	37	3	6/ 45,606	6/ 71	(NA)	(NA)	(NA)
1992	47	3	6/ 44,439	6/ 61	(NA)	(NA)	(NA)
1993	73	3	6/ 38,814	6/ 56	(NA)	(NA)	(NA)
1994	86	3	6/ 41,396	6/ 141	(NA)	(NA)	(NA)
1995	192	3	6/ 40,947	6/ 98	(NA)	(NA)	(NA)
1996	169	3	6/ 38,811	6/ 105	(NA)	(NA)	(NA)
1997	145	3	6/ 37,134	6/ 115	(NA)	(NA)	(NA)
1998	167	3	38,159	121	(NA)	(NA)	(NA)
1999	133	3	37,031	118	(NA)	(NA)	(NA)

NA Not available.

1/ The continuity of these data series estimates may be affected by changing data sources and estimation methodologies.

2/ Includes supplemental gaseous fuels.

3/ If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

4/ "Other" is geothermal, wind, photovoltaic, and solar thermal energy.

5/ From 1989, "Total" does not equal the sum of the columns. Net imports of electricity generated from nonrenewable energy sources included in the total but not in any other columns.

6/ Revised.

Source: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 1999*, <http://www.eia.doe.gov/pub/state.data/pdf/hi.pdf>, table 83.

**Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE
(TRILLION BTU): 1960 TO 1999**

Year	Coal 1/	Natural gas 2/	Petroleum	Hydro-electric power 3/	Wood and waste	Other 1/ 4/	Total 5/
1960	0.0	0.0	6/ 94.6	0.3	0.0	0.0	6/ 94.9
1965	0.0	0.0	6/ 129.3	1.1	0.2	0.0	6/ 130.6
1970	0.0	0.0	6/ 195.4	1.1	0.4	0.0	6/ 197.0
1975	0.0	0.0	6/ 212.9	0.9	0.6	0.0	6/ 214.4
1980	0.0	3.0	6/ 249.6	0.9	11.9	0.0	6/ 265.4
1985	1.1	2.7	6/ 232.6	0.9	14.2	0.4	6/ 251.9
1990	0.7	3.0	6/ 284.4	6/ 0.8	6/ 6.6	6/ 1.3	6/ 296.8
1991	0.9	2.9	6/ 265.6	6/ 0.7	6/ 6.7	6/ 1.4	6/ 278.3
1992	1.2	2.9	6/ 258.8	0.6	6/ 7.0	6/ 1.3	6/ 271.7
1993	1.8	2.8	6/ 224.0	0.6	6/ 6.8	6/ 4.4	6/ 240.4
1994	1.8	2.9	237.2	1.5	6/ 6.9	6/ 5.4	6/ 255.7
1995	4.1	2.9	6/ 234.7	1.0	6/ 8.0	6.3	6/ 257.0
1996	3.6	2.8	221.4	1.1	6/ 16.0	6/ 6.5	6/ 251.4
1997	3.3	2.7	6/ 213.7	1.2	6/ 14.8	6/ 6.2	6/ 241.8
1998	3.8	2.8	218.9	1.3	13.3	6.5	246.6
1999	3.1	2.9	213.7	1.2	14.6	6.0	241.4

1/ The continuity of these data series estimates may be affected by changing data sources and estimation methodologies.

2/ Includes supplemental gaseous fuels.

3/ If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

4/ "Other" is geothermal, wind, photovoltaic, and solar thermal energy.

5/ From 1989, "Total" does not equal the sum of the columns. Net imports of electricity generated from nonrenewable energy sources included in the total but not in any other columns.

6/ Revised.

Source: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 1999*, <http://www.eia.doe.gov/pub/state.data/pdf/hi.pdf>, table 83.

**Table 17.03-- CONSUMPTION OF ENERGY BY END-USE SECTOR
(TRILLION BTU): 1960 TO 1999**

Year	Consumption				Input at electric utilities
	Residential	Commercial	Industrial	Transportation	
1960	7.3	5.2	1/ 20.6	61.8	17.6
1965	10.1	6.8	1/ 34.7	79.0	27.6
1970	16.4	11.6	1/ 43.7	125.3	43.2
1975	19.6	13.8	1/ 50.4	130.5	58.8
1980	23.2	20.8	1/ 74.7	146.7	69.7
1985	20.9	20.3	1/ 67.5	143.3	70.0
1990	1/ 26.1	34.3	1/ 79.4	156.9	86.1
1991	1/ 24.3	28.2	1/ 74.3	151.4	79.2
1992	1/ 24.1	32.8	1/ 71.9	142.9	74.6
1993	1/ 20.9	22.7	1/ 70.0	126.8	66.2
1994	1/ 20.6	25.4	1/ 74.3	1/ 135.3	64.7
1995	1/ 21.0	24.4	1/ 76.2	1/ 135.4	66.5
1996	1/ 21.7	23.8	1/ 85.9	1/ 120.0	68.2
1997	1/ 21.6	1/ 24.2	79.4	1/ 116.6	67.0
1998	23.1	35.4	73.5	114.6	67.3
1999	23.0	24.8	71.3	122.3	69.4

1/ Revised.

Source: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 1999*, <http://www.eia.doe.gov/pub/state.data/pdf/hi.pdf>, tables 84-88.

Table 17.04-- PRIMARY ENERGY CONSUMPTION AND ELECTRICITY SALES, TOTAL AND PER CAPITA: 1988 TO 1998

Year	Primary energy consumption		Electricity sales by utilities	
	Total (trillion Btu)	Per capita 1/ (million Btu)	Total (1,000 kWh)	Per capita 1/ (kWh)
1988	306.92120	255.682	7,719,029	6,430
1989	315.08420	252.958	7,970,360	6,399
1990	312.13040	2/ 248.339	8,310,537	2/ 6,612
1991	322.95240	2/ 253.686	8,564,032	2/ 6,727
1992	339.09120	2/ 267.495	8,643,562	2/ 6,819
1993	307.74649	2/ 243.573	8,657,905	2/ 6,852
1994	327.47780	2/ 254.829	8,948,458	2/ 6,963
1995	315.11860	2/ 243.982	9,187,429	2/ 7,113
1996	315.94920	2/ 243.562	9,378,962	2/ 7,230
1997	315.99270	2/ 240.414	9,345,281	2/ 7,110
1998 3/	302.87730	229.262	9,261,071	7,010

1/ Based on estimated de facto population.

2/ Revised.

3/ Preliminary.

Source: Hawaii State Department of Business, Economic Development & Tourism, Energy, Resources and Technology Division, records; Hawaii State Department of Commerce and Consumer Affairs, records.

**Table 17.05-- PRIMARY ENERGY CONSUMPTION, BY SOURCE:
1985 TO 1998**

[Trillion Btu]

Year	Total	Petroleum	Biomass	Solar hot water
1985	266.2178	238.6470	23.1430	2.1327
1986	271.0562	242.5857	23.9670	2.1644
1987	284.2042	256.4061	22.1840	2.1914
1988	306.9212	279.1052	22.7080	2.1931
1989	315.0842	289.2301	20.8020	2.3310
1990	312.1304	284.4906	18.1200	2.3400
1991	322.9524	294.6222	17.9000	2.3000
1992	339.0912	305.7758	16.9840	2.3000
1993	307.7465	266.9516	16.8310	2.3000
1994	327.4778	285.5010	16.3660	2.3000
1995	315.1186	273.9590	11.8232	2.8386
1996	315.9492	277.1298	10.3994	3.1225
1997	315.9927	278.3480	8.9527	3.1225
1998 1/	302.8773	269.1272	7.5220	3.1225

Year	Hydroelectric	Coal	Wind	Geothermal	Solid waste
1985	0.9808	0.9560	0.1697	0.1886	-
1986	1.0562	0.4970	0.6036	0.1823	-
1987	0.9670	1.4875	0.8236	0.1446	-
1988	0.9826	1.3509	0.4185	0.1629	-
1989	1.0183	0.8715	0.4189	0.1435	0.2689
1990	1.0700	0.8900	0.2900	-	4.9298
1991	1.0000	0.8000	0.3060	-	6.0242
1992	0.7226	6.9207	0.2573	0.0168	6.1140
1993	0.8024	13.2237	0.2352	1.5988	5.8038
1994	1.5300	13.5599	0.2251	1.8060	6.1898
1995	1.0632	16.5249	0.2364	2.3045	6.3688
1996	1.1332	16.9294	0.2244	2.3566	4.6539
1997	0.9544	16.7772	0.1796	2.3633	5.2950
1998 1/	0.7654	14.7665	0.2159	2.2782	5.0796

1/ Preliminary.

Source: Hawaii State Department of Business, Economic Development & Tourism, Energy, Resources and Technology Division, records; Hawaii State Department of Commerce and Consumer Affairs, records.

Table 17.06-- ELECTRICITY GENERATION BY SOURCE: 1989 TO 1998

[Millions of kWh generated]

Year	Total	Petroleum	Biomass	MSW 1/	Hydroelectric
1989	9,280	8,511	614	-	100
1990	9,566	8,589	538	-	105
1991	9,610	8,664	495	-	92
1992	10,104	8,556	460	-	67
1993	10,219	7,576	435	349	78
1994	10,341	7,793	423	379	148
1995	10,563	7,853	292	383	103
1996	10,742	8,027	270	326	110
1997	10,424	7,805	226	371	93
1998 4/	10,455	8,009	178	364	87

Year	Geothermal	Wind	Coal	PV 2/	Other 3/
1989	14	41	-	-	(Z)
1990	-	28	-	-	306
1991	-	30	-	-	329
1992	1	21	-	-	999
1993	155	24	1,592	(Z)	10
1994	175	22	1,382	(Z)	19
1995	223	23	1,674	(Z)	12
1996	228	22	1,740	(Z)	19
1997	229	17	1,663	(Z)	20
1998 4/	220	21	1,553	(Z)	20

Z Less than 500,000 kWh.

1/ Electricity generated from Honolulu municipal solid waste plant.

2/ Electricity generated from photovoltaic.

3/ From 1989 to 1992, includes electricity production by coal, geothermal (a test well which ceased operation in 1989), and photovoltaic.

4/ Preliminary

Source: Hawaii State Department of Business, Economic Development & Tourism, Energy, Resources and Technology Division, records; Hawaii State Department of Commerce and Consumer Affairs, records; Hawaii Agriculture Research Center, records.

**Table 17.07-- ELECTRICITY PRODUCTION, BY SOURCE, BY ISLANDS:
1998**

[Million kWh]

Island	Total	Petroleum	Biomass	MSW 1/	Hydroelectric
State total	10,455	8,010	178	364	87
Hawaii	1,040	627	-	-	49
Maui	1,171	1,008	112	-	21
Lanai	28	28	-	-	-
Molokai	38	38	-	-	-
Oahu	7,723	5,937	-	364	-
Kauai	455	372	66	-	17
Island	Wind	Geothermal	Coal	PV 2/	Other
State total	21	220	1,555	(Z)	20
Hawaii	21	220	123	(Z)	-
Maui	-	-	30	(Z)	-
Lanai	-	-	-	-	-
Molokai	-	-	-	-	-
Oahu	-	-	1,402	(Z)	20
Kauai	-	-	-	-	-

Z. Less than 500,000 kWh.

1/ Electricity generated from Honolulu municipal solid waste plant.

2/ Electricity generated from photovoltaic.

Source: Hawaii State Department of Business, Economic Development & Tourism, Energy, Resources and Technology Division, records; Hawaii State Department of Commerce and Consumer Affairs, records.

**Table 17.08-- EXPENDITURES FOR FUELS AND ELECTRICITY, BY
SOURCE: 1988 TO 1998**

[Millions of dollars]

Year	Total energy expenditures	Fuel expenditures			Less: electric utility fuel expenditures	Plus: electricity purchased by end-user
		Total	Electric utility	Other		
1988	1,664.1	1,314.6	238.0	1,076.6	238.0	587.5
1989	1,897.8	1,530.6	277.5	1,253.1	277.5	642.1
1990	2,204.4	1,807.0	352.5	1,454.5	352.5	749.9
1991	2,217.5	1,736.4	304.8	1,431.6	304.8	785.9
1992	2,340.3	1,760.0	238.2	1,521.8	238.2	818.5
1993	2,369.9	1,660.4	213.3	1,447.1	213.3	922.8
1994	2,397.0	1,642.5	201.4	1,441.1	201.4	955.9
1995	2,459.4	1,645.2	223.5	1,421.7	223.5	1,037.7
1996 1/	2,712.0	1,843.9	268.9	1,575.0	268.9	1,137.0
1997	2,756.5	1,863.6	276.2	1,587.4	276.2	1,169.2
1998 2/	2,442.9	1,580.2	210.9	1,369.3	210.9	1,073.6

1/ Revised.

2/ Preliminary.

Source: Hawaii State Department of Business, Economic Development & Tourism, Energy, Resources and Technology Division, records.

Table 17.09-- ELECTRIC UTILITIES: 1989 TO 2000

Year	Customers, Dec. 31 1/			Power sold (1,000 kWh)		
	Total	Residen- tial 2/	Other	Total	Residen- tial 2/	Other
1989	362,281	312,347	49,934	7,969,694	2,238,874	5,730,820
1990	370,952	320,215	50,737	8,310,537	2,320,550	5,989,987
1991	380,963	328,899	52,064	8,460,186	2,363,726	6,076,697
1991 3/	380,963	328,899	52,064	8,524,088	2,385,276	6,178,756
1992	385,055	332,863	52,192	8,666,889	2,430,152	6,213,410
1993	395,402	341,471	53,931	8,657,903	2,453,830	6,204,075
1994	403,595	346,977	56,618	8,948,458	2,551,240	6,397,218
1995	409,983	352,589	57,394	9,187,430	2,597,010	6,590,419
1996	413,830	356,205	57,625	9,378,962	2,669,654	6,709,308
1997	415,964	358,683	57,281	9,345,281	2,659,248	6,686,033
1998	418,989	361,429	57,560	9,261,070	2,634,172	6,626,899
1999	424,603	366,273	58,330	9,379,808	2,683,408	6,696,400
2000	430,354	370,928	59,426	9,690,598	2,764,619	6,925,980

Year	Average annual use (kWh 4/)		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residen- tial 2/	Other	Residen- tial 2/	Other	Total	Residen- tial 2/	Other
1989	7,168	114,772	0.09265	0.07585	642,101	207,436	434,665
1990	7,247	118,060	0.10261	0.08544	749,857	238,103	511,754
1991	7,187	116,716	0.10539	0.08726	779,382	249,104	530,278
1991 3/	7,252	117,524	0.10546	0.08733	785,896	251,553	534,343
1992	7,301	119,049	0.10932	0.08898	818,525	265,667	552,858
1993	7,186	115,037	0.12309	0.10005	922,796	302,054	620,743
1994	7,353	112,989	0.12464	0.09972	955,907	317,984	637,923
1995	7,366	114,828	0.13337	0.10490	1,037,702	346,359	691,343
1996	7,495	116,431	0.14272	0.11268	1,137,045	381,011	756,034
1997	7,414	116,723	0.14839	0.11584	1,169,134	394,603	774,531
1998	7,288	115,130	0.13884	0.10682	1,073,610	365,719	707,891
1999	7,326	114,802	0.14312	0.11037	1,123,126	384,043	739,083
2000	7,453	116,548	0.16409	0.13083	1,359,756	453,650	906,106

Footnotes and source on next page.

Table 17.09-- ELECTRIC UTILITIES: 1989 TO 2000 -- Con.

1/ 1990 based on November data for Oahu.

2/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

3/ Includes the effect of a change in the method of estimating unbilled kilowatt hour sales beginning in 1991 which increased power sold and revenues for all islands except Kauai and Molokai for that year.

4/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy, records.

Table 17.10-- ELECTRIC UTILITIES, BY ISLANDS: 2000

County or island	Customers, Dec. 31			Gross System Peak 2/	Power sold (1,000 kWh)		
	Total	Residential 1/	Other	(mW)	Total	Residential 1/	Other
State total	430,354	370,928	59,426	(X)	9,690,598	2,764,619	6,925,980
Oahu	278,260	245,027	33,233	1,203	7,211,760	1,897,691	5,314,069
Hawaii	63,778	53,263	10,515	170.8	954,453	355,281	599,172
Kauai	30,715	23,612	7,103	71.8	418,922	137,415	281,506
Maui County	57,601	49,026	8,575	(X)	1,105,463	374,231	731,232
Lanai	1,494	1,296	198	5.0	27,108	6,855	20,253
Maui	53,204	45,379	7,825	185.1	1,042,006	354,689	687,317
Molokai	2,903	2,351	552	6.5	36,349	12,687	23,661
County or island	Average annual use (kWh) 3/		Average rate (dollars per kWh)		Revenues (\$1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
State total	7,453	116,548	0.16409	0.13083	1,359,756	453,650	906,106
Oahu	7,745	159,903	0.14477	0.11402	880,663	274,733	605,930
Hawaii	6,670	56,983	0.21762	0.19169	192,174	77,316	114,858
Kauai	5,820	39,632	0.23666	0.21874	94,096	32,520	61,575
Maui County	7,633	85,275	0.18459	0.16922	192,823	69,080	123,743
Lanai	5,289	102,288	0.22184	0.22112	5,999	1,521	4,478
Maui	7,816	87,836	0.18232	0.16582	178,638	64,668	113,970
Molokai	5,397	42,865	0.22787	0.22376	8,186	2,891	5,294

X Not applicable.

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ System peak is the maximum amount of energy required by the electrical system at a point in time. The island electrical systems are not interconnected, therefore, peaks are reported separately for each island. (Hawaii County-net peak).

3/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy, records.

Table 17.11-- GAS UTILITIES: 1989 TO 2000

[Excludes bottled gas]

Year	Customers, Dec. 31			Gas sold (1,000 therms)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
1989	34,304	30,661	3,643	33,865	5,896	27,969
1990	34,477	30,840	3,637	34,806	5,924	28,882
1991	34,973	31,378	3,595	33,974	5,775	28,199
1992	35,236	31,625	3,611	33,662	5,733	27,929
1993	35,908	32,293	3,615	33,268	5,750	27,518
1994	36,403	32,753	3,650	34,010	5,851	28,159
1995	36,619	32,950	3,669	33,740	5,793	27,948
1996	36,641	33,020	3,621	33,531	5,642	27,888
1997	36,575	32,977	3,598	32,980	5,603	27,377
1998	36,225	32,630	3,595	33,095	5,702	27,393
1999	36,363	32,757	3,606	34,099	5,577	28,522
2000	36,404	32,804	3,600	34,820	5,477	29,343

Year	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues (\$1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
1989	192	7,677	1.54200	1.06487	38,876	9,092	29,783
1990	192	7,941	1.62847	1.14834	42,813	9,646	33,167
1991	184	7,844	1.78649	1.25285	45,646	10,317	35,329
1992	181	7,735	1.79054	1.25466	45,307	10,265	35,042
1993	178	7,612	1.75962	1.22594	43,853	10,117	33,735
1994	179	7,715	1.71994	1.19455	43,700	10,064	33,637
1995	176	7,617	1.79670	1.25158	45,386	10,407	34,979
1996	171	7,702	2.10399	1.33578	49,124	11,872	37,252
1997	170	7,609	2.29075	1.40013	51,167	12,835	38,332
1998	175	7,620	2.16236	1.25934	46,826	12,329	34,497
1999	170	7,910	2.17266	1.24026	47,491	12,116	35,375
2000	167	8,151	2.45358	1.48560	57,031	13,439	43,592

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy, records.

Table 17.12-- GAS UTILITIES, BY ISLANDS: 2000

[Excludes bottled gas]

County or island	Customers, December 31			Gas sold (1,000 therms)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
State total	36,404	32,804	3,600	34,820	5,477	29,343
Oahu	33,613	30,383	3,230	31,619	5,054	26,565
Hawaii	1,652	1,360	292	2,214	241	1,974
Kauai	650	650	-	88	88	-
Maui	411	333	78	883	78	805
Molokai	78	78	-	17	17	-
Lanai	-	-	-	-	-	-

County or island	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues (\$1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
State total	167	8,151	2.45358	1.48560	57,031	13,439	43,592
Oahu	166	8,224	2.42966	1.50748	52,326	12,280	40,046
Hawaii	177	6,759	2.98311	1.29151	3,267	718	2,549
Kauai	135	-	2.71167	-	238	238	-
Maui	233	10,320	2.10372	1.23916	1,161	163	997
Molokai	220	-	2.33821	-	40	40	-
Lanai	-	-	-	-	-	-	-

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy, records.

**Table 17.13-- SERVICE PROVIDED BY HAWAIIAN ELECTRIC COMPANY, INC.,
ON OAHU: 1990 TO 2000**

Year	Number of customers, Dec. 31		Net input 1/ (1,000 kWh)	Electricity sales (1,000 kWh)	Average annual residential use 2/ (kWh)	Average residential rate (dollars per kWh)	Generating capability Dec. 31 3/ (kW)
	Total	Residential only					
1990	248,692	217,681	6,835,025	6,470,587	7,620	0.09228	1,262,000
1991	255,176	223,304	6,876,964	6,538,952	7,610	0.09354	1,440,000
1992	257,442	225,229	7,061,157	6,650,449	7,711	0.09925	1,666,000
1993	263,478	230,192	7,029,839	6,607,424	7,581	0.11414	1,669,000
1994	264,992	232,115	7,222,978	6,797,364	7,681	0.11342	1,669,000
1995	269,307	235,905	7,359,195	6,962,794	7,732	0.12302	1,669,000
1996	271,602	237,860	7,499,202	7,091,147	7,868	0.12944	1,669,000
1997	271,801	238,825	7,424,259	7,040,291	7,773	0.13360	1,669,000
1998	272,675	239,945	7,299,149	6,938,326	7,603	0.12556	1,669,000
1999	275,467	242,579	7,356,725	6,997,936	7,654	0.12741	1,669,000
2000	278,260	245,027	7,589,409	7,211,760	7,793	0.14477	1,669,000

1/ Net generation plus purchased power.

2/ Based on average number of customers during the year.

3/ Includes firm purchase power.

Source: Hawaiian Electric Company, Inc., records.

**Table 17.14-- SERVICE PROVIDED BY THE GAS COMPANY, INC.,
ON OAHU: 1990 TO 2000**

Calendar year	Customers, Dec. 31		Gas sold 1/ (1,000 therms)		Average annual residential usage 1/ (therms)
	Total	Residential	Total	Residential	
1990	31,974	28,714	2/ 31,952	5,469	2/ 190
1991	32,487	29,278	30,866	5,331	182
1992	32,598	29,375	30,528	5,285	180
1993	33,206	29,984	2/ 30,027	5,287	176
1994	33,597	30,344	2/ 30,762	5,372	177
1995	33,472	30,492	30,582	5,332	175
1996	33,914	30,668	30,339	5,203	170
1997	33,800	30,574	29,836	5,176	169
1998	33,705	30,497	29,930	5,284	173
1999	33,614	30,384	30,830	5,154	170
2000	33,613	30,383	31,619	5,054	166

1/ Includes liquefied petroleum gas.

2/ Revised.

Source: The Gas Company, records.

Table 17.15-- LIQUID FUEL TAX BASE: 1990 TO 2000

[In thousands of gallons]

Year reported 1/	All types		Gasoline	Diesel oil	
	Total	Excluding aviation		Non-hwy.	Hwy. use
1990	1,307,887	557,097	375,382	151,095	24,763
1991	1,299,455	570,077	376,182	163,773	24,991
1992	1,286,118	574,716	381,118	162,983	26,289
1993	1,173,458	573,767	384,444	160,121	24,997
1994	1,240,366	578,758	392,404	152,628	29,692
1995	1,286,038	600,596	396,446	172,684	27,411
1996	1,147,866	588,896	394,989	160,102	29,864
1997	955,834	585,400	400,435	150,737	30,109
1998	954,860	597,410	394,674	169,930	28,983
1999	969,434	621,832	384,260	201,664	32,098
2000	1,053,114	684,247	400,920	246,426	33,282

Year reported 1/	Liquefied petroleum gas		Aviation fuel	Small boats	
	Off-hwy.	Hwy. use		Gasoline	Diesel oil
1990	4,757	834	750,790	78	188
1991	3,575	780	729,378	52	724
1992	3,644	532	711,402	48	102
1993	3,343	477	599,691	35	349
1994	3,210	566	661,608	60	198
1995	3,096	514	685,443	50	395
1996	3,249	413	558,969	50	228
1997	3,587	328	370,433	41	164
1998	3,280	383	357,450	9	151
1999	3,326	360	347,602	4	119
2000	3,250	332	368,867	2	35

1/ Liquid fuel sold in a given month is usually reported the following month. Annual totals accordingly refer to fuel sold during a 12-month period ending November 30.

Source: Hawaii State Department of Taxation, "Liquid Fuel Tax Base and Tax Collections" (annual report).

Table 17.16-- LIQUID FUEL TAX BASE, BY COUNTIES: 2000

[In thousands of gallons. Liquid fuel sold in a given month is usually reported the following month. Annual totals accordingly refer to fuel sold during a 12-month period ending November 30]

Type of fuel	State total	City and Co. of Honolulu	County of Maui	County of Hawaii	County of Kauai
Total	1,053,114	755,947	127,738	113,441	55,987
Gasoline	400,920	251,860	57,861	65,310	25,889
Diesel oil, non-hwy.	246,426	173,421	28,289	23,101	21,614
Diesel oil, hwy. use	33,282	19,227	4,097	7,920	2,038
Liq. pet. gas, off hwy.	3,250	1,803	634	503	310
Liq. pet. gas, hwy. use	332	301	14	4	13
Small boats, gasoline	2	2	-	-	-
Small boats, diesel oil	35	3	-	32	-
Aviation fuel	368,867	309,330	36,842	16,572	6,123

Source: Hawaii State Department of Taxation, "Liquid Fuel Tax Base and Tax Collections, Calendar Year Ending December 31, 2000" (annual release).

Table 17.17-- GASOLINE SERVICE STATIONS WITH PAYROLL, BY COUNTIES: 1987, 1992, AND 1997

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1987 1/	355	241	52	26	36
1992 1/	326	212	57	21	36
1997 2/	360	230	67	19	44

1/ Data are for Gasoline Service Stations (SIC 554).

2/ NAICS 447 includes Gasoline Service Stations (SIC 554) and Convenience Stores with gas (SIC 5411 pt.).

Source: U.S. Bureau of the Census, *1987 Census of Retail Trade, Hawaii*, RC87-A-12 (May 1989), table 5; *1992 Census of Retail Trade, Hawaii*, RC92-A-12 (October 1994), table 4; and *1997 Economic Census, Retail Trade, Hawaii*, EC97R44A-HI (November 1999), tables 1 and 3.

**Table 17.18-- BOILERS AND PRESSURE VESSELS, BY ISLANDS:
DECEMBER 31, 2000**

Island	Total	Power boilers	Heating boilers	Pressure vessels
State total	9,921	605	3,067	6,249
Hawaii	1,053	96	287	670
Maui	1,414	91	356	967
Lanai	50	4	10	36
Molokai	65	6	23	36
Oahu	6,829	367	2,291	4,171
Kauai	510	41	100	369

Source: Hawaii State Department of Labor and Industrial Relations, Division of Occupational Safety and Health, Boiler and Elevator Inspection Branch, records.

**Table 17.19-- ENERGY GENERATED, PURCHASED, SOLD, AND USED BY
SUGAR PLANTATIONS, BY ISLANDS: 1997**

Subject	State total	Hawaii	Kauai	Maui	Oahu
1997					
Electricity (millions of kilowatt-hours)					
Generated 1/	347.88	-	103.53	244.34	-
Purchased	9.81	-	5.18	4.13	-
Sold	138.91	-	50.66	88.25	-
Used	218.78	-	58.06	160.72	-
Gross heat values of boiler fuels (billions of Btu's)					
All fuels	11,089	-	3,685	7,405	-
Bagasse 2/	8,363	-	3,473	4,890	-
Fossil fuels	2,726	-	211	2,515	-
Other fuels	-	-	-	-	-

1/ Includes electricity generated by steam, hydroelectric and diesel engine.

2/ Includes bagasse transferred between factories.

Source: Hawaii Agriculture Research Center, *Energy Inventory of Hawaiian Sugar Plantations-1997* (Energy Report 37, July 1998), pp. 10-11.

Table 17.20-- ESTIMATED EMPLOYMENT AND REVENUE IN HIGH TECHNOLOGY AND SUPPORT INDUSTRIES IN THE STATE OF HAWAII: 2000

	Number of employees working 20+ hours including contract employees in 2000		Gross Hawaii sales or technology-related revenues for 2000					
	Number of organizations providing information	Estimated number of organizations statewide	Average for organizations providing information	State-wide estimate 1/	Number of organizations providing information 2/	Estimated number of organizations statewide	Average for organizations providing information (dollars)	State-wide estimate (mil. dol.) 1/ 3/
High technology organizations								
Information technologies, telecommunications	156	454	22	9,761	106	454	3,999,005	1,816
Bio sciences	22	64	38	2,400	16	64	1,036,684	66
Earth, ocean, space sciences	33	96	17	1,632	25	96	2,046,160	196
Energy related (excluding traditional)	20	58	15	841	16	58	4,325,290	251
Medical, healthcare; dual-use; distance learning	16	47	68	3,201	9	47	3,996,222	188
Total	247	719		17,835	172	719		2,517

1/ Average times estimated number of organizations statewide

2/ Four firms with revenues of \$150 million or more were excluded from the calculations.

3/ Data rounded to nearest million dollars.

Source: High Technology Development Corporation, 2001 High Tech Business Survey

**Table 17.21-- FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
AND R&D PLANT IN HAWAII: 1993 TO 1998**

[Millions of dollars. For fiscal years ended September 30]

Type of obligation	1993	1994	1995	1996	1997	1998
Obligations for R&D	113.0	140.3	139.3	147.6	150.7	160.8
Obligations for R&D plant	19.3	14.3	0.5	1.7	3.0	3.9

Source: National Science Foundation/Division of Science Resources Studies, *Survey of Federal Funds for Research and Development: Fiscal Years 1998, 1999 and 2000*. Internet site <http://www.nsf.gov/sbe/srs/nsf00317/pdf/sectc.pdf>. Tables C-110a and C-111a.

**Table 17.22-- CHARACTERISTICS OF THE PRIVATE TECHNOLOGY SECTOR:
1996 AND 1999**

Subject	Total private sector	Private technology				
		All categories	Bio-technology	Information technology	Research development, education	Tele-communications
Operating units: 1/						
1996	31,253	738	16	415	140	167
1999	31,257	879	25	527	146	181
Percent change	0.0	19.1	56.3	27.0	4.3	8.4
Employment: 2/						
1996	427,676	10,589	122	2,372	1,772	6,323
1999	429,179	12,421	604	3,584	1,636	6,598
Percent change	0.4	17.3	395.2	51.1	-7.7	4.3
Total wages: 3/						
1996	11,208	434.7	3.9	97.3	63.5	270.0
1999	12,084	583	16.4	188.4	69.6	308.1
Percent change	7.8	34.0	323.6	93.5	9.6	14.1
Wages per employee: 4/						
1996	26,207	41,055	31,742	41,034	35,839	42,705
1999	28,155	46,893	27,148	52,565	42,540	46,700
Percent change	7.4	14.2	-14.5	28.1	18.7	9.4

1/ May include multiple sites of individual companies.

2/ Annual average. Excludes self-employed and proprietors.

3/ Annual totals in millions of dollars.

4/ In dollars.

Source: Hawaii State Department of Business, Economic Development & Tourism, "Hawaii's Expanding Tech Sector," dbedt e-reports, May 2001; <http://www.hawaii.gov/dbedt/hets/types.html>.

**Table 17.23-- PRIVATE TECHNOLOGY SECTOR, DISTRIBUTION
AND JOB GROWTH, BY COUNTIES**

Subject	State total	Hawaii	Maui	Honolulu	Kauai	County unknown
Percent distribution, 1999	100	7	8	80	4	1
Percent change, 1996-1999	17.3	18.1	30.6	15.4	12.4	...

Source: Hawaii State Department of Business, Economic Development & Tourism, "Hawaii's Expanding Tech Sector," dbedt e-reports, May 2001; <http://www.hawaii.gov/dbedt/hets/types.html>.

**Table 17.24-- RESEARCH AND NON-RESEARCH EXTRAMURAL FUNDING,
FOR THE UNIVERSITY OF HAWAII: 1991-92 TO 1999-00**

[Research and non-research awards received through the Office of Research Services, University of Hawaii, and non-competitive awards from the U.S. Department of Agriculture]

Fiscal year	Total		Research		Non-research	
	Awards	Amount (dollars)	Awards	Amount (dollars)	Awards	Amount (dollars)
1991-92	1,221	124,876,638	703	65,791,624	518	59,085,014
1992-93	1,146	131,075,215	636	61,059,928	510	70,015,287
1993-94	1,322	142,563,794	755	77,763,782	567	64,800,012
1994-95	1,147	139,199,221	616	70,222,653	531	68,976,568
1995-96	1,191	134,469,155	697	76,698,552	494	57,770,603
1996-97	1,255	160,859,800	724	89,131,636	531	71,728,164
1997-98	1,300	159,948,612	763	91,746,988	537	68,201,624
1998-99	1,254	164,168,101	707	92,737,645	547	71,430,456
1999-00	1,379	180,629,855	767	102,845,010	612	77,784,845

Source: Office of Research Services, University of Hawaii, *1999-2000 Extramural Awards* (2000), p. i.

Table 17.25-- RESEARCH AND DEVELOPMENT EXPENDITURES AT DOCTORATE-GRANTING INSTITUTIONS: FISCAL YEARS 1991 TO 1999

	Total	Federally financed	State and local government financed	Industry financed	Institutionally financed	All other sources
1991	78,166	44,857	27,321	856	3,391	1,741
1992	80,258	47,684	26,775	337	3,319	2,143
1993	73,961	41,362	27,099	151	3,109	2,240
1994	70,079	39,392	25,204	434	3,290	1,759
1995	78,429	44,238	26,789	299	3,738	3,365
1996	111,202	86,902	31,826	8,088	4,386	-
1997	120,107	72,421	28,440	5,944	13,297	5
1998	148,007	86,886	37,002	10,949	13,170	-
1999	156,810	93,418	35,111	13,021	15,260	-

Source: National Science Foundation/SRS, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 1998. <http://www.nsf.gov/sbe/srs/nsf00330/sectb.pdf>.
<http://www.nsf.gov/sbe/srs/srs01407/Tables/b23.xls> to [b28.xls](http://www.nsf.gov/sbe/srs/srs01407/Tables/b28.xls)

Table 17.26-- PATENTS ISSUED TO HAWAII RESIDENTS: 1980 TO 2000

Calendar year	Patents	Calendar year	Patents
1980	35	1991	80
1981	44	1992	81
1982	30	1993	106
1983	34	1994	99
1984	39	1995	84
1985	38	1996	104
1986	46	1997	93
1987	46	1998	93
1988	62	1999	97
1989	71	2000	93
1990	85		

Source: U.S. Patent and Trademark Office, Information Products Division/TAF Branch, *Patent Counts by Country/State and Year, All Patents, All Types, January 1, 1977 -- December 31, 2000* (March 2001) at http://www.uspto.gov/web/offices/ac/ido/oeip/taf/est_all.pdf.

**Table 17.27-- ASTRONOMY AND RELATED FACILITIES AT
THE SUMMITS OF MAUNA KEA AND HALEAKALA: 1999**

Facility (mirror diameter in meters)	Capital cost (\$ mil)	Annual operating cost (\$ mil)	Hawaii County based staff	Operational
Mauna Kea:				
UH 0.6-m (Optical)	0.3	(X)	(X)	1969
UH 2.2-m (Optical/Infrared)	5	0.75	8	1970
Canada-France-Hawaii 3.6-m (Optical/Infrared)	30	6.2	50	1979
NASA IRTF 3.0-m (Infrared)	10	3.0	12	1979
United Kingdom Infrared 3.8-m	5	2.7	31	1979
James Clerk Maxwell 15-m Submillimeter	32	3.5	43	1986
Caltech 10.4-m Submillimeter	10	2.1	10	1986
W.M. Keck Observatory (Keck I & II) 10-m x 2 (Optical/Infrared)	170	11.0	85	1992/96
VLBA Antenna 25-m (Radio)	7	0.25	2	1992
Submillimeter Array 8x6-m 1/	80	6.0	2/ 26	1999
Subaru (Japan National Large Telescope) 8-m (Optical/Infrared)	170	8.0	2/ 30	1999
Gemini Northern 8-m (Optical/Infrared)	100	5.0	2/ 30	1999
Mauna Kea Observatories Support Services	(NA)	3/ 1.9	24	
Total	619	48.5	351	
Haleakala:				
Mees Solar Observatory	0.5	0.1	2	1964
Lunar Ranging Facility	3.3	0.7	7	1976/84
Haleakala Observatories Projects	(NA)	0.5	4	
Maui Space Surveillance Site (MSSS) 4/ Advanced Electro-Optical System 3.7-m Telescope (AEOS)	200.0	16.0	120	
Haleakala Support Facilities	50.0	15.0	55	1997
	(NA)	0.13	6	
Total	253.8	32.43	194	

NA Not available.

X Not applicable.

1/ Under construction.

2/ Approximate expected number when in operation.

3/ Not included in the total since derived from facility operating funds.

4/ Formerly Air Force Maui Optical Station (AMOS).

Source: University of Hawaii at Manoa, Institute for Astronomy, *Fact Sheet*.

Section 18

TRANSPORTATION

This section presents statistics relating to public roads, motor vehicles, bicycles, traffic accidents, local public transit, civil aviation, harbors, and water traffic. Other information bearing on transportation appears in Sections 7, 12, 14, and 24.

The chief source for transportation statistics is the Hawaii State Department of Transportation, its Highways, Harbors and Airports Divisions, and the Motor Vehicle Safety Office. Other sources include the U.S. Coast Guard, Federal Aviation Administration, Federal Highway Administration, Army Corps of Engineers, U.S. Census of Transportation, Communications, and Utilities, Honolulu Public Transit Authority, county finance departments, Hawaii Automobile Dealers Association, and individual transportation companies. Data for the entire period of record through 1976 appear in *Historical Statistics of Hawaii*, Section 17. Another source of long-term trend information is *What People Paid to Travel*, published by the Hawaiian Historical Society in 1991. Similar statistics for other areas are reported in the *Statistical Abstract of the United States: 2000*, Sections 21 and 22.

Table 18.01-- HIGHWAY DISTANCES: 2000

Route	Statute miles	Route	Statute miles
HAWAII		MOLOKAI	
Hilo-Lyman Field	2.0	Kaunakakai-Sheraton Hotel	19.5
Hilo-Kalapana	28.4	Kaunakakai-Maunaloa	16.5
Hilo-Mauna Kea summit	39.3	Kaunakakai-Airport	1/ 8.0
Hilo-Mauna Loa summit	52.4	Kaunakakai-Halawa	27.6
Hilo-Volcano House	30.7	Airport-Sheraton Hotel	1/ 11.5
Hilo-Kailua, via Naalehu	1/ 123.0	OAHU 2/	
Hilo-Kailua, via Saddle Rd.	1/ 84.0	Honolulu-Ala Moana Center	1.5
Hilo-Kailua, via Hamakua	98.1	Honolulu-UH, via King Street	3.2
Hilo-Waimea, via Saddle Rd.	60.9	Honolulu-Waikiki	3.2
Hilo-Waimea, via Hamakua	1/ 55.7	Honolulu-Waimanalo, via Koko Head	21.2
Hilo-Upolu Pt., via Hamakua	1/ 89.6	Honolulu-Waimanalo, via Nuuanu	1/ 16.0
Hilo-Kawaihae, via Hamakua	1/ 67.5	Honolulu-Kailua, via Nuuanu	13.0
Waimea-Hawi	1/ 20.2	Honolulu-Kaneohe, via Kalihi	12.0
Waimea-Kawaihae	10.0	Honolulu-Kahuku, via Kahaluu	38.0
Kawaihae-Hawi	1/ 17.3	Honolulu-Kahuku, via Wahiawa	48.0
Kawaihae-Kailua	34.3	Honolulu-Kaena Pt., via Wahiawa	1/ 43.4
Kailua-Keahole Airport	1/ 7.3	Honolulu-Kaena Pt., via Waianae	43.7
Kailua-Keauhou	1/ 5.7	Honolulu-Wahiawa	23.0
MAUI		Honolulu-Pearl Harbor Shipyard	1/ 8.0
Wailuku-Kahului	2.3	Honolulu-Honolulu Airport	1/ 6.5
Wailuku-Kahului Airport	4.2	Waikiki-UH, via Kapahulu	3.2
Wailuku-Hana, via Keanae	53.2	Waikiki-Honolulu Airport	8.0
Wailuku-Hana, via Kaupo	59.8	Waimanalo-Kahuku	32.6
Wailuku-Haleakala summit	38.2	Circle island, via Makapuu	99.5
Wailuku-Makena	17.9	Circle island, via Nuuanu Pali	81.6
Wailuku-Lahaina, via Kahakuloa	38.0	KAUAI	
Wailuku-Lahaina, via Olowalu	20.9	Lihue-Haena	38.2
Kahului-Kihei	8.2	Lihue-Wailua	5.9
Lahaina-Wailea	32.4	Lihue-Lihue Airport	2.0
Lahaina-Napili	8.9	Lihue-Poipu	11.9
Lahaina-Kaanapali	3.7	Lihue-Mana	32.9
LANAI		Lihue-Kalalau Lookout	44.6
Lanai City-Lanai Airport	3.1	Poipu-Kalalau Lookout	36.8
Lanai City-Hulopoe	7.5	Poipu-Princeville	40.7

1/ Revised.

2/ Honolulu distances measured from South King and Bishop Streets; Waikiki, from Kalakaua Avenue and Lewers Street.

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLANDS: DECEMBER 31, 1998 AND 1999

[Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
1998				
State total	4,216.95	88.58	3,930.44	197.93
Hawaii	1,484.23	-	1,424.93	59.30
Maui	617.77	-	561.07	56.70
Lanai	129.26	-	117.26	12.00
Molokai	46.59	-	35.59	14.00
Oahu	1,527.11	88.58	1,405.09	33.44
Kauai	411.99	-	389.50	22.49
Niihau	-	-	-	-
1999				
State total	4,256.14	88.58	3,969.63	197.93
Hawaii	1,493.69	-	1,434.39	59.30
Maui	620.08	-	563.38	56.70
Lanai	134.86	-	122.86	12.00
Molokai	47.54	-	33.54	14.00
Oahu	1,547.56	88.58	1,425.54	33.44
Kauai	412.41	-	389.92	22.49
Niihau	-	-	-	-

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.03-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED: 1975 TO 1997

[Excludes private thoroughfares and military roads not regularly open to public use]

Category	1975	1980	1985	1990	1994	1997
Total mileage	3,743	3,912	4,070	4,101	4,100	4,164
Paved	3,355	3,591	3,808	3,887	3,902	3,966
Unpaved	389	321	262	214	198	198

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.04-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 2000

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
State	760	Airport Viaduct	14,890	Nanue	208
Hawaii	133	Hakalau	775	Nanue	208
Maui	99	Honokahua	600	Uaoa	79
Lanai	-	None	-	None	-
Molokai	19	Manawainui	360	Manawainui	50
Oahu	455	Airport Viaduct	14,890	Kipapa	156
Kauai	54	Hanamaulu	1,150	Wahiawa, Koloa	90

1/ Limited to bridges under State jurisdiction and longer than 20 feet.

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2000

Island and name of tunnel	Length (feet)
Oahu:	
Pali No. 1: Inbound (to Honolulu)	1,000
Outbound (from Honolulu)	1,080
Pali No. 2: Inbound	500
Outbound	497
Wilson: Inbound	2,775
Outbound	2,813
H-3: Inbound	4,890
Outbound	5,165
Middle Street	393
Hospital Rock Tunnel: Inbound	353
Outbound	354
Maui:	
Olowalu	318
Kauai:	
Kipu-Mahaulepu (private road)	2,200

Source: Hawaii State Department of Transportation, Highways Division, records; McBryde Sugar Plantation, records.

**Table 18.06-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:
1990 TO 2000**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of the State]

Year	All vehicles registered	Motor vehicles			
		All motor vehicles	Passenger vehicles 1/	Ambulances, hearses, patrol wagons	Buses
1990	911,283	889,096	718,204	55	4,308
1991	920,124	897,193	717,907	54	4,309
1992	908,738	885,761	703,983	53	4,282
1993	903,550	880,152	693,283	48	4,032
1994	898,008	875,144	691,158	53	3,772
1995	901,291	877,756	694,239	54	3,660
1996	907,770	884,617	703,094	59	3,468
1997	906,964	884,267	704,693	54	3,226
1998	915,753	893,427	713,732	61	3,084
1999	929,474	906,935	725,142	59	3,028
2000	964,738	941,242	754,840	56	2,902
		Motor vehicles -- continued			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motorcycles, motor-scooters 2/	Trailers and semi-trailers
1990	152,453	1,043	313	12,720	22,187
1991	159,831	972	323	13,797	22,931
1992	160,952	871	298	15,322	22,977
1993	165,209	757	283	16,540	23,398
1994	162,348	630	249	16,934	22,864
1995	161,609	567	239	17,388	23,535
1996	160,013	504	225	17,254	23,153
1997	158,457	457	220	17,160	22,697
1998	158,977	423	214	16,936	22,326
1999	161,067	407	224	17,008	22,539
2000	165,104	409	270	17,661	23,496

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTIES:
1990 TO 2000**

[Taxable and exempt vehicles. Includes passenger cars, ambulances, buses, trucks, motorcycles and vehicles registered but subsequently scrapped or shipped out of the State. Excludes trailers and semi-trailers]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1990	889,096	612,742	110,834	55,927	109,593
1991	897,193	613,119	113,265	57,751	113,058
1992	885,761	611,513	113,080	51,165	110,003
1993	880,152	604,602	111,138	54,068	110,344
1994	875,144	600,087	111,532	52,817	110,708
1995	877,756	601,239	111,624	52,364	112,529
1996	884,617	598,772	115,647	52,984	117,214
1997	884,267	595,121	118,364	53,904	116,878
1998	893,427	594,096	121,959	56,554	120,818
1999	906,935	597,610	126,039	57,882	125,404
2000	941,242	614,985	132,305	61,316	132,636

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR COUNTIES: 2000

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of the State]

Type of vehicle	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All vehicles	964,738	626,737	138,616	63,831	135,554
Motor vehicles	941,242	614,985	132,305	61,316	132,636
Passenger vehicles 1/	759,840	505,327	101,761	44,423	103,329
Ambulances	56	33	10	-	13
Buses	2,902	2,311	251	16	324
Trucks 1/	165,104	94,856	27,597	15,961	26,690
Truck tractors	409	166	106	39	98
Truck cranes	270	154	34	14	68
Motorcycles, motorscooters 2/	17,661	12,138	2,546	863	2,114
Trailers and semi-trailers	23,496	11,752	6,311	2,515	2,918

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS, FOR COUNTIES: 2000

[Includes vehicles registered but subsequently scrapped or shipped out of state. Excludes trailers, semi-trailers and motorcycles]

Taxation status	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total registered	923,581	602,847	129,759	60,453	130,522
Taxable vehicles	858,960	541,640	128,471	59,658	129,191
Exempt vehicles	64,621	61,207	1,288	795	1,331
Federal government	368	348	16	1	3
State government	5,131	5,130	1	-	-
County government	6,638	4,399	612	536	1,091
Fire department	233	59	112	32	30
Police department	1,624	1,269	352	-	3
Consulates	61	61	-	-	-
Disabled veterans	151	84	11	49	7
Military non-resident	49,921	49,600	98	168	55
Farm	341	126	67	8	140
Horseless carriage	56	41	13	1	1
Electric vehicles	97	90	6	-	1

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS, BY COUNTIES: 1990

Vehicles available	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Occupied units	356,267	41,461	265,304	62	16,295	33,145
None	35,159	3,100	29,406	26	777	1,850
1	128,513	14,676	98,542	6	4,573	10,716
2	127,011	16,154	91,032	24	6,699	13,102
3	43,580	5,316	30,415	6	2,874	4,969
4	15,187	1,606	10,996	-	907	1,678
5 or more	6,817	609	4,913	-	465	830

Source: U.S. Bureau of the Census, *1990 Census of Housing, Detailed Housing Characteristics, Hawaii*, 1990 CH-2-13 (August 1993), tables 14 and 67.

Table 18.11-- TRUCK CHARACTERISTICS: 1982 TO 1997

Category (100 percent)	Selected characteristic	Percent of category			
		1982	1987	1992	1997
Total trucks (1,000)		...	160.8	280.3	294.2
Major use	Personal transportation	54.3	60.5	61.7	70.5
Body type	Pickup, panel, mini-van, and sport utility 1/	89.1	91.2	93.8	94.9
Vehicle size	Light	92.9	94.6	95.6	95.9
Annual miles	Less than 10,000	59.7	57.0	50.0	44.1
Year model	Over 4 years old	75.8	62.1	66.8	74.1
Vehicle acquisition	Purchased new	47.3	49.6	54.3	48.3
Truck type	Single-unit, 2 axles	96.6	96.4	96.6	97.7
Range of operation	Local	78.2	80.2	79.3	81.1
Fuel type	Diesel, liquefied gas, and other	3.7	5.4	4.7	4.8

1/ Includes station wagons and vans similar to panel trucks.

Source: U.S. Census Bureau, *1997 Economic Census, Vehicle Inventory and Use Survey, Hawaii*, EC97TV-HI (November 1998), tables 1a and 2; <http://www.census.gov/econ/www/viusmain.html>.

**Table 18.12-- NEW PASSENGER CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY COUNTIES: 1992 TO 1999**

Year	State total	Honolulu	Maui	Hawaii	Kauai
1992	83,357	47,082	17,503	10,928	7,844
1993	79,168	45,833	16,918	10,111	6,306
1994	83,093	46,664	18,940	10,660	6,829
1995	72,526	41,880	15,786	9,359	5,501
1996	68,765	40,425	14,497	8,527	5,316
1997	71,777	40,349	15,629	9,368	6,431
1998	74,408	40,249	17,332	9,553	7,274
1999	82,928	43,637	19,685	11,379	8,227

Source: Hawaii Automobile Dealers Association, *HADA Yearbook* (annual).

**Table 18.13-- NEW PASSENGER CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 1997 TO 1999**

Nameplate	1997		1998		1999	
	Rank	Units	Rank	Units	Rank	Units
All nameplates	...	71,777	...	74,408	...	82,928
Chevrolet/GEO	1	11,848	1	12,380	1	13,601
Ford	2	11,781	2	11,288	2	12,134
Toyota	3	7,634	3	8,176	3	9,084
Dodge	4	6,210	4	6,463	4	6,300
Nissan	5	5,204	5	5,745	5	6,034
Honda	6	4,823	6	4,531	6	5,660
All others	...	24,277	...	25,825	...	30,115

Source: Hawaii Automobile Dealers Association, *HADA Yearbook* (annual).

**Table 18.14-- NEW PASSENGER CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, RETAIL AND RENTAL, BY PLACE OF MANUFACTURE:
1999**

Year and place of manufacture	Cars and trucks	Cars			Trucks		
		Total	Retail	Rental	Total	Retail	Rental
1999, total	82,928	73,452	35,927	37,525	9,476	9,127	349
Domestic	51,439	45,362	12,323	33,039	6,077	5,736	341
Imports	31,489	28,090	23,604	4,486	3,399	3,391	8
Percent imports	37.97	38.24	65.70	11.95	35.87	37.15	2.29

Source: Hawaii Automobile Dealers Association, *HADA Yearbook* (annual).

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTIES:
1991 TO 2000**

[As of December 31]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1991	699,664	501,260	86,181	38,894	73,329
1992	716,545	510,901	89,436	39,947	76,261
1993	734,381	522,016	92,264	41,910	78,191
1994	745,392	527,756	94,257	42,736	80,643
1995	732,508	516,780	94,048	42,041	79,639
1996	733,486	515,780	94,943	41,775	80,988
1997	738,865	517,904	96,665	42,079	82,217
1998	746,329	520,734	98,252	42,363	84,980
1999	752,693	521,671	100,331	43,141	87,550
2000	769,383	529,890	104,058	44,471	90,964

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE
AND SEX: DECEMBER 31, 1999 AND 2000**

Age	Both sexes		Male		Female	
	1999	2000	1999	2000	1999	2000
Total	752,693	769,383	397,203	405,584	355,490	363,799
15 to 19 years	37,729	40,698	20,507	21,879	17,222	18,819
20 to 24 years	61,871	66,100	32,874	35,351	28,997	30,749
25 to 34 years	144,852	144,257	75,087	74,961	69,765	69,296
35 to 44 years	169,232	167,841	86,660	85,957	82,572	81,884
45 to 54 years	153,371	158,032	80,312	82,438	73,059	75,594
55 to 64 years	89,741	94,036	48,284	50,492	41,457	43,544
65 to 74 years	61,527	62,563	32,749	33,258	28,778	29,305
75 to 84 years	30,440	31,678	17,974	18,377	12,466	13,301
85 years and over	3,930	4,178	2,756	2,871	1,174	1,307
Median age (years)	42	43	43	43	42	43

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES,
1990 TO 2000, AND BY COUNTIES, 2000**

Year and county	Highway fuel consumption 1/		Vehicle miles of travel	
	Total (1,000 gallons)	Gallons per vehicle 2/	Total (millions)	Per vehicle 2/
1990	395,185	444	8,065.4	9,071
1991	406,819	453	8,142.2	9,075
1992	405,963	457	8,065.5	9,070
1993	409,940	468	7,945.3	9,063
1994	428,558	490	7,925.2	9,056
1995	422,884	482	7,944.1	9,051
1996	426,370	482	8,005.9	9,050
1997	421,499	477	8,003.0	9,050
1998	422,928	473	8,090.2	9,055
1999	417,374	460	8,215.2	9,058
2000	428,425	455	8,525.7	9,058
COUNTIES: 2000				
Honolulu	268,841	438	5,402.7	8,807
Hawaii	72,382	967	1,295.0	9,734
Kauai	26,604	425	645.4	10,301
Maui	60,598	459	1,182.6	8,955

1/ Includes gasoline, diesel oil, and butane gas.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED OAHU SURVEY SITES: 1998 TO 2000

Site	1998	1999	2000
Pali Highway at tunnels	46,237	45,785	45,742
Likelike Highway at tunnels	32,515	31,937	30,762
H-1 Freeway at Manoa-Palolo Drainage Canal	114,395	115,205	115,239
H-1 Freeway at Kapalama Drainage Canal Bridge	222,631	222,016	208,152
Nimitz Highway at Kapalama Drainage Canal Bridge	71,277	75,545	79,505
Kalaniana'ole Highway east of Ainakoa Ave.	83,616	84,933	84,664

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU URBANIZED AREA AND THE AVERAGE OF 68 URBANIZED AREAS IN THE UNITED STATES: 1997

Subject	Honolulu	U.S. (average)
Freeway daily vehicle miles of travel (1,000)	5,730	15,030
Per lane-mile of freeway	14,325	15,240
Annual person hours of delay	16,070	63,560
Per 1,000 persons	23	35
Annual congestion cost:		
Per driver (dollars)	510	585
Per capita (dollars)	395	755
Delay and fuel cost (mil. dol.)	280	1,060

Source: Texas Transportation Institute, as cited in *Statistical Abstract of the United States: 2000*, p. 632.

Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1990 TO 1999, AND BY COUNTIES, 1997 TO 1999

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
1990	2/ 26,640	154	2/ 14,036	176
1991	2/ 21,840	119	2/ 12,799	135
1992	2/ 21,835	121	13,403	128
1993	2/ 21,471	121	2/ 13,878	133
1994	19,851	110	13,310	122
1995	16,581	118	13,088	127
1996	13,285	132	11,729	145
1997	2/ 12,445	117	2/ 11,190	131
1998	11,543	113	10,303	120
1999	10,632	90	9,604	98
COUNTIES: 1997				
Honolulu	2/ 8,440	68	2/ 7,328	73
Hawaii	2/ 2,365	25	2/ 1,966	30
Kauai	2/ 471	11	2/ 451	14
Maui	1,169	13	1,445	14
COUNTIES: 1998				
Honolulu	7,769	61	6,740	63
Hawaii	2,173	39	1,793	43
Kauai	497	3	455	3
Maui	1,104	10	1,315	11
COUNTIES: 1999				
Honolulu	7,068	40	6,111	43
Hawaii	2,122	28	1,819	31
Kauai	477	7	477	8
Maui	965	15	1,197	16

1/ Through 1990, includes traffic accidents with damage of \$300 or more or causing injury or death. Effective 1991, includes only accidents with damage of \$1,000 or more or causing injury or death. Effective June 20, 1995, includes only accidents with damage of \$3,000 or more or causing injury or death.

2/ Revised.

Source: Hawaii State Department of Transportation, Highways Division, Traffic Safety Section, records.

**Table 18.21-- REGISTERED TAXICABS AND BICYCLES, BY ISLANDS:
1998 TO 2000**

[As of December 31]

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	1998	1999	2000	1998	1999	2000
Hawaii	180	163	170	4,232	4,654	4,693
Maui	216	216	200	4,567	4,057	3,247
Lanai	-	-	-	101	74	55
Molokai	-	-	-	199	237	183
Oahu	1,365	1,213	(NA)	92,372	91,635	116,459
Kauai	-	-	-	721	3/ 1,770	1,095

NA Not available.

1/ Licensed during the calendar year. Taxicabs are licensed annually, except in Kauai County, where registration is not required.

2/ Bicycles with wheels having a diameter of 20 inches or more and all mopeds, both of which were formerly licensed on an annual basis, have, since November 1, 1988, been registered biennially; see SLH 1988, Act 264, sec. 1.

3/ Effective January 1, 1999 bicycles and mopeds are issued permanent registration.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from data provided by the County departments of finance.

**Table 18.22-- PASSENGER CAR RENTAL AND LEASING
(NAICS 53211): 1992 AND 1997**

[Excludes establishments without payroll. Data for 1992 are for SIC 751, automotive rental and leasing without drivers]

Subject	State total	Counties			
		Hawaii	Honolulu	Kauai	Maui
Number of establishments:					
1992	82	18	36	6	22
1997	63	11	25	8	19
Revenue (1000 \$):					
1992	332,100	38,600	195,000	23,600	74,800
1997	347,624	45,172	154,679	43,014	104,759

Source: U.S. Census Bureau, *1992 Census of Service Industries, Hawaii*, SC92-A-12 (Aug. 1994), tables 1a, 6, and 7a, and *1997 Economic Census, Real Estate and Rental and Leasing, Hawaii* (Aug. 1999), tables 1 to 3.

**Table 18.23-- MOTOR CARRIER CHARACTERISTICS, BY COUNTIES:
SEPTEMBER 2000**

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
State total	1,770	7,746	139,102	5,271	32,255
Hawaii	202	1,033	18,897	1,072	5,590
Maui	294	1,648	31,821	856	4,275
Honolulu	1,158	4,551	79,707	2,894	20,322
Kauai	116	514	8,677	449	2,868

1/ Includes mostly tour bus operators; excludes public transit, school buses, taxicabs, and rental car companies.

2/ Includes truckers, moving companies, etc.

Source: Compiled by Hawaii State Department of Transportation, Motor Vehicle Safety Office.

Table 18.24-- PUBLIC TRANSIT, FOR OAHU: 1989 TO 1999

[Service provided by City and County of Honolulu bus system]

Year	Number of buses, Dec. 31	Bus mileage 1/	Total passengers 2/	Revenues (dollars)
1989	475	17,525,608	74,964,453	18,843,083
1990	475	18,080,500	75,648,930	18,914,500
1991	475	18,308,282	76,540,997	19,283,803
1992	475	18,437,228	78,416,523	19,534,923
1993	495	18,507,642	79,343,403	20,751,058
1994	495	19,323,877	79,309,437	24,849,857
1995	525	19,277,975	80,837,153	26,960,330
1996	525	19,407,383	76,363,729	30,262,762
1997	525	19,748,202	74,407,852	29,572,046
1998	525	19,751,725	71,215,529	28,488,959
1999	525	20,017,779	69,660,916	27,324,442

1/ Estimated number of vehicle miles.

2/ Estimated number of passengers, including senior citizens and disabled.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records.

Table 18.25-- PUBLIC TRANSIT PASSENGERS, BY FARE CATEGORY, AND AVERAGE BUS SPEED, FOR OAHU: 1998 AND 1999

[Calendar year data for City and County of Honolulu bus system]

Fare category	1998	1999
All passengers	71,215,529	69,660,916
Students	12,175,435	11,627,724
School subsidy	475,208	466,379
Stadium express	5,832	17,961
Senior citizens and disabled	14,350,549	14,052,903
Free transfers	3,521,051	3,335,456
Visitor pass	488,770	452,590
Average bus speed (m.p.h.)	15.0	14.9

NA Not available.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records.

Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2001

[In dollars]

Effective date	Cash fares 1/		Monthly passes	
	Adult	Youth	Adult	Youth
March 2, 1971	.25	.10	...	...
June 9, 1972 2/	.25, .50	.10, .25	...	...
March 15, 1974	.25	.10	...	...
November 1, 1979	.50	.25	15.00	7.50
June 18, 1984	.60	.25	15.00	7.50
October 1, 1993	.85	.25	20.00	7.50
July 1, 1995	1.00	.50	25.00	12.50
July 1, 2001 3/	1.50	.75	27.00	13.50

1/ In addition, there have been special fares for disabled persons, senior citizens, service to and from Pearl Harbor, and the Stadium Express during many of these years.

2/ Zone fares initiated and later eliminated.

3/ Most recent change.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records; <http://www.thebus.org/Info/NewFares.asp>, accessed June 29, 2001.

**Table 18.27-- STEAM RAILROAD MILEAGE AND PASSENGERS:
1987 TO 2000**

[The Lahaina Kaanapali & Pacific Railroad operates between Lahaina and Kaanapali on the island of Maui and the Hawaiian Railway operates in the Ewa District on the island of Oahu]

Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway		Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway	
	Miles of track	Passengers	Miles of track	Passengers		Miles of track	Passengers	Miles of track	Passengers
1987	6.0	244,555	(NA)	(NA)	1994	6.0	390,862	5.0	1/ 12,821
1988	6.0	285,139	(NA)	(NA)	1995	6.0	447,211	6.5	16,704
1989	6.0	296,391	(NA)	(NA)	1996	6.0	418,099	6.5	19,678
1990	6.0	308,910	(NA)	(NA)	1997	6.0	369,327	6.5	20,850
1991	6.0	316,079	(NA)	(NA)	1998	6.0	(NA)	6.5	19,763
1992	6.0	385,261	(NA)	(NA)	1999	6.0	281,161	7.0	14,733
1993	6.0	388,484	(NA)	(NA)	2000	(NA)	(NA)	7.0	13,962

NA Not available.

1/ Data incomplete.

Source: Lahaina Kaanapali & Pacific Railroad, records and <http://www.statesrail.com>; Hawaiian Railway, records.

**Table 18.28-- AIRPORTS AND HELIPORTS, BY CONTROL,
BY ISLANDS: 1998 AND 1999**

[As of December 31]

Island	Airports 1/				Heliports 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
1998						
State total	9	7	6	1	-	5
Hawaii	2	2	1	-	-	4
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-
1999						
State total	9	7	6	1	-	5
Hawaii	2	2	1	-	-	4
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-

1/ Excludes private airports.

2/ Excludes military and private heliports.

3/ Three airports classified as general aviation fields (Waimea-Kohala, Hana, and Kalaupapa) provide regular air service.

4/ Owned by the U.S. Department of the Interior, Fish and Wildlife Service.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.29-- RANK OF HONOLULU INTERNATIONAL AIRPORT IN OPERATIONS AND ENPLANED PASSENGERS: 1991 TO 1993 AND 1996

Subject	Rank 1/				Number			
	1991	1992	1993	1996	1991	1992	1993	1996
Total aircraft operations	16	22	24	26	403,570	403,708	358,543	372,099
Air carrier operations	21	21	23	22	196,047	202,559	185,959	203,520
Total enplaned passengers 2/	15	15	19	23	8,772,316	8,740,091	8,484,364	9,124,893

1/ Among all FAA-operated airport traffic control towers in the United States.

2/ For large scheduled certificated air carriers, both scheduled and nonscheduled operations.

Source: U.S. Department of Transportation, Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual); <http://www.bts.gov/ntda>.

Table 18.30-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 1998 AND 1999

[An FAA directive dated December 8, 1987, requires all aircraft with 60 seats or less to be designated as air taxis, even if such aircraft are operated by a designated air carrier. This reclassification especially affects the data for Molokai Airport]

Airport	Total operations	Air carrier	Air taxi	General aviation	Military
1998					
Honolulu International	334,046	182,795	39,179	90,135	21,937
Kahului	180,890	63,336	84,546	29,509	3,499
Kona International	81,285	27,068	9,346	37,137	7,734
Lihue	105,979	30,691	55,953	15,951	3,384
Hilo International	112,479	21,537	54,894	28,087	7,961
Molokai	49,353	1,163	30,080	15,425	2,685
1999					
Honolulu International	346,609	197,839	36,985	91,743	20,042
Kahului	188,385	62,883	92,589	29,575	3,358
Kona International	82,955	27,500	8,860	37,588	9,007
Lihue	115,523	33,173	58,778	18,995	4,577
Hilo International	115,820	22,189	51,875	33,248	8,508
Molokai	49,184	1,469	30,286	14,169	3,260
Kalaeloa	75,293	-	27	64,160	11,106

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.31-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1989 TO 1999**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	Hilo International Airport 1/	Kona International Airport 2/	Kahului Airport	Lihue Airport	Molokai Airport
1989	403,635	93,202	55,674	177,803	116,742	47,208
1990	407,048	98,755	60,086	182,686	113,860	43,509
1991	403,566	88,206	56,140	180,857	112,679	47,898
1992	403,628	91,055	63,939	178,752	103,686	35,662
1993	358,505	92,297	59,904	172,265	70,910	39,057
1994	359,569	86,292	66,438	179,227	91,582	38,369
1995	373,926	84,917	73,537	179,883	97,400	45,517
1996	372,268	87,862	77,025	178,590	106,332	49,221
1997	358,784	101,521	87,358	173,342	111,349	44,667
1998	334,046	112,479	81,285	180,890	105,979	49,353
1999	346,609	115,820	82,955	188,385	115,523	49,184

1/ Formerly General Lyman Field; new name became effective July 1, 1989.

2/ Formerly Keahole Airport; effective June 16, 1997, the new name is The Kona International Airport at Keahole.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.32-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS SERVING
HAWAII: 1996 TO 1999**

[As of June 30. Includes both scheduled and nonscheduled service, and also commuter lines and other air taxi service]

Service	1996	1997	1998	1999
All carriers	39	40	40	43
Transpacific only	24	25	27	29
Domestic	12	12	12	12
Foreign	12	13	15	17
Transpacific and interisland	5	6	4	4
Interisland only	10	9	9	10
Passenger carriers	6	6	5	6
Cargo and mail only	4	3	4	4

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.33-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR ARRIVING FLIGHTS: 1999 AND 2000

[Non-stop flights only, does not include charter flights.]

Airport	1999	2000
State of Hawaii	8,699,403	9,250,490
Honolulu International	7,270,933	7,644,473
Kahului	1,024,579	1,099,940
Kona International	323,645	406,693
Lihu'e	80,246	99,384
Domestic	5,188,776	5,730,382
International	3,510,627	3,520,108

Source: *OAG FlightDisk Worldwide Edition*.

Table 18.34-- CIVIL FLYING: 1990 TO 1993 and 1996

Item	1990	1991	1992	1993	1996
Aircraft facilities, Dec. 31	50	48	47	47	46
Airports	34	33	32	32	30
Heliports	16	15	15	15	16
Public aircraft facilities, Dec. 31	16	17	17	18	18
Paved and lighted facilities, Dec. 31	12	12	13	13	13
Large aircraft in operation, Dec.	52	56	59	50	(NA)
Aloha Airlines	17	19	21	17	(NA)
Hawaiian Airlines	35	29	29	24	(NA)
Mid Pacific Airlines	-	8	9	9	(NA)
General aviation: 1/					
Active civil aircraft, Dec.	561	484	372	312	364
Hours flown (1,000)	278	259	176	140	155
Active personnel, Dec. 31:					
Pilots, except instructors	3,505	3,339	3,293	3,088	2,561
Flight instructors	309	350	388	360	378
Nonpilot airmen 2/	3,306	3,492	3,711	3,828	3,850

N/A Not available.

1/ Aircraft based in Hawaii. Data based on small samples with large standard errors (in 1996, 34.6 percent for aircraft and 52.3 percent for hours).

2/ Mechanics, parachute riggers, ground instructors, dispatchers, flight navigators, and flight engineers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual).

Table 18.35-- SELECTED STATISTICS FOR ALOHA AND HAWAIIAN AIRLINES: 1998 AND 1999

Subject	Aloha Airlines		Hawaiian Airlines	
	1998	1999	1998	1999
Number of aircraft	19	21	24	27
Employees, full-time equivalent	1,971	1,995	2,423	2,766
Aircraft departures	76,188	76,508	56,240	60,815
Passengers (1,000)	5,144	5,077	5,000	5,410
Revenue passenger miles (million)	712	702	3,619	4,021
Passenger revenues (million dollars)	193	193	354	400
Cargo revenues (million dollars)	28	29	20	21
Operating revenues (million dollars)	229	230	426	489
Operating profit/loss (million dollars)	8	(4)	17	(40)
Net profit/loss (million dollars)	5	(2)	8	(29)

Source: Air Transport Association, annual report at <http://www.air-transport.org/public/industry>.

Table 18.36-- HAWAII LOCATIONS AMONG THE TOP 30 DOMESTIC AIRLINE MARKETS: 1998 and 1999

[Includes all commercial airports in a metropolitan area.
Does not include connecting passengers.]

Rank	Origin or destination	Passengers (1,000)
1998		
6	Honolulu - Kahului	2,541
16	Honolulu - Lihue	1,637
18	Honolulu - Kona	1,467
25	Honolulu - Los Angeles	1,335
1999		
7	Honolulu - Kahului	2,691
16	Honolulu - Lihue	1,749
22	Honolulu - Kona	1,459
26	Honolulu - Los Angeles	1,389

Source: Air Transport Association, annual report at <http://www.air-transport.org/public/industry>.

**Table 18.37-- OVERSEAS AND INTER-ISLAND AIR PASSENGER
MOVEMENTS: 1988 TO 1998**

[Calendar years. Data include both revenue and non-revenue passengers]

Year	Overseas passengers 1/			Inter-island passenger arrivals
	Arrivals	Departures	Through	
1988	6,653,346	6,713,621	1,421,707	8,964,928
1989	7,022,986	7,234,653	1,167,954	9,634,077
1990	7,310,635	7,562,156	1,065,408	9,907,154
1991	7,135,595	7,215,323	1,020,464	9,368,576
1992	7,248,645	7,087,463	1,318,044	9,568,434
1993	6,924,571	6,907,236	1,298,684	9,345,320
1994	7,309,894	7,478,052	956,926	9,920,709
1995	7,517,273	7,692,494	750,495	10,388,281
1996	7,700,229	7,992,620	690,833	10,581,825
1997	7,788,367	7,874,798	706,030	10,448,099
1998	7,576,988	7,728,768	(NA)	10,075,448

NA Not applicable

1/ Includes West Coast, Canada, Europe, and the Central and South Pacific.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.38-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 1999

Airport	Passengers 1/		Cargo (tons)		Mail (tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	2/ 7,737,494	7,699,676	207,339	179,714	30,705	55,488
Honolulu	2/ 6,604,650	6,392,667	193,282	171,115	29,267	55,487
Hilo	-	-	-	-	-	-
Kahului	854,706	969,881	6,945	5,937	1,102	1
Kona 3/	198,599	253,630	7,070	2,562	336	-
Lihue	79,539	83,498	-	100	-	-
INTERISLAND						
Total	10,173,069	10,173,069	69,184	69,184	23,893	23,893
Honolulu	4,493,189	4,693,657	41,221	24,858	18,381	5,496
Hilo	778,771	808,154	10,906	8,980	1,193	2,491
Upolu	3	-	-	-	-	-
Waimea-Kohala	931	906	5	20	147	873
Kona 3/	1,166,265	1,049,688	5,513	8,172	805	4,748
Kahului	2,129,704	2,017,788	5,324	14,911	2,263	7,592
Hana	4,184	3,909	42	11	-	-
Kapalua	68,336	66,966	277	360	-	-
Molokai	132,540	137,212	441	967	35	204
Kalaupapa	4,150	3,996	15	174	1	3
Lanai	88,598	87,043	112	665	15	113
Lihue	1,306,322	1,303,694	5,328	10,066	1,053	2,373
Princeville 4/	76	56	-	-	-	-
Dillingham (USA)	-	-	-	-	-	-

1/ Revenue and non-revenue, excluding Military Airlift Command (MAC).

2/ Excludes overseas passengers in transit (376,236, passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Privately owned.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.39-- AIR CARGO AND AIRMAIL: 1989 TO 1999

Calendar year	Overseas air cargo (in thousands of pounds)		Overseas airmail (in thousands of pounds)		Interisland (in U.S. tons)	
	Outgoing	Incoming	Outgoing	Incoming	Air cargo: outgoing & incoming	Airmail: outgoing & incoming
1989	313,402	301,674	28,258	33,542	146,960	20,706
1990	295,326	337,724	32,022	38,198	145,418	22,848
1991	306,376	342,032	33,658	44,281	144,104	23,673
1992	305,224	305,658	39,268	66,052	153,912	25,594
1993	307,302	255,516	52,324	112,970	147,054	26,406
1994	339,086	308,962	47,921	121,964	148,904	27,964
1995	336,764	276,416	49,056	118,098	149,174	27,646
1996	355,466	296,856	48,654	114,408	160,784	29,572
1997	424,990	363,598	51,212	110,336	173,154	31,272
1998	508,858	311,196	56,902	107,039	140,034	40,548
1999	414,678	359,426	61,410	110,975	138,368	47,786

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.40-- FLIGHTS SCHEDULED TO DEPART HONOLULU INTERNATIONAL AIRPORT, BY DESTINATION: JULY 2000

[Data for the 552 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Northern hemisphere			
London	7	7	-
Newark	7	7	-
Toronto	10	10	-
Detroit	14	14	-
Atlanta	14	14	-
Chicago	16	16	-
St. Louis	7	7	-
Minneapolis	7	7	-
Houston	7	7	-
Dallas/Fort Worth	22	15	7
Memphis	7	7	-
Salt Lake City	7	7	-
Phoenix	2	-	2
Las Vegas	15	15	-
Los Angeles	130	94	36
Seattle	26	19	7
San Francisco	81	74	7
San Jose	7	7	-
Portland	7	7	-
Vancouver	11	11	-
Anchorage	2	2	-
Guam	10	10	-
Tokyo, Narita	60	60	-
Tokyo, Haneda	5	-	5
Nagoya	7	7	-
Osaka, Kansai	21	21	-
Fukuoka	7	7	-
Seoul	7	7	-
Taipei	11	11	-

Continued on next page.

**Table 18.40-- FLIGHTS SCHEDULED TO DEPART HONOLULU
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 2000 -- Con.**

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Southern hemisphere			
Papeete	2	2	-
Rarotonga	1	-	1
Pago Pago	3	3	-
Apia	1	-	1
Tongatapu	1	-	1
Nadi	8	6	2
Auckland	7	6	1
Wellington	1	1	-
Sydney	7	7	-

1/ By longitude going west.

Source: Greeters of Hawaii, *Jiffisked* ^[m] July 2000. Courtesy of Greeters of Hawaii, Ltd., P.O. Box 29638, Honolulu, HI 96820.

**Table 18.41-- AIR FARES BETWEEN HONOLULU AND SELECTED MAINLAND
CITIES, FOR UNITED AIRLINES: 1995 TO 2000**

[As of July 1. Unrestricted one-way weekday coach fares in dollars]

Between Honolulu and--	1995	1996	1997	1998 1/	1999	2000
Los Angeles	716	530	521	521	536	576
San Francisco	596	530	521	521	536	576
Chicago	916	-	925	924	952	982

1/ As of July 27.

Source: United Airlines, records.

Table 18.42-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY HAWAIIAN AIRLINES: 1996 TO 2000

[As of July 1. Prior to May 21, 1997, fares were identical between Honolulu and each of the Neighbor Islands]

Category	1996	1997 1/		1998	1999	2000
		Zone 1	Zone 2			
Regular fare	85	78	80	88	94.75	94.50
Kamaaina fare: 2/						
Monday - Thursday	48	45	47	3/ 55	61.75	61.50
Friday - Sunday	48	47	49	3/ 57	63.75	63.50

1/ Fares based upon zones were used for only a short period of time.

2/ Available only to Hawaii residents.

3/ Lowest of three levels of kamaaina fares.

Source: Hawaiian Airlines, records.

**Table 18.43-- AIR FARES BETWEEN HONOLULU AND LOS ANGELES, SAN FRANCISCO, AND SEATTLE, FOR UNITED AIRLINES:
JULY 2-8, 1999 AND 2000**

[Dollars. Includes taxes but does not reflect \$3.00 airport charge where applicable]

Fare category	Los Angeles	San Francisco	Seattle
1999			
One-way:			
First class	1,014	1,265	1,347
Coach (unrestricted)	536	536	520
Round-trip:			
First class	2,028	2,530	2,694
Coach (unrestricted)	1,072	1,072	1,040
Lowest round-trip: 2/	434	432	432
2000			
One-way:			
First class	1,067	1,326	1,410
Coach (unrestricted)	579	579	563
Round-trip:			
First class	2,134	2,652	2,820
Coach (unrestricted)	1,158	1,158	1,126
Lowest round-trip: 2/	478	558	598

1/ For earlier years, see Robert C. Schmitt, *What People Paid to Travel* (Hawaiian Historical Society, January 1991), table 12, pp. 40-41.

2/ Restrictions apply. Fares are subject to change without notice. Payment up to 21 days before travel may be required. Fare may not be available for travel on certain days of the week or holidays.

Source: United Airlines, records.

Table 18.44-- STATE COMMERCIAL HARBORS: 1999

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet)	Storage area (1,000 square feet)			
		Depth (feet)	Length (feet)	Width (feet)		Shedded	Open		
Hawaii:									
Hilo	35	35	2,300	1,400	2,669	122	566		
Kawaihae	40	35	1,500	1,450	1,562	23	427		
Maui:									
Kahului	35	35	2,400	2,050	3,019	113	1,223		
Molokai:									
Kaunakakai	23	23	1,500	600	691	7.4	129		
Oahu:									
Honolulu: 1/ Main	}	45	}	3,300	1,520	}	29,308	1,673	8,935
Kapalama				3,400	1,000				
Barbers Point	42	38	2,100	1,800	1,860	63	1,703		
Kauai:									
Nawiliwili	40	35	1,950	1,540	1,916	70	1,379		
Port Allen	35	35	1,500	1,200	1,200	35	32		

1/ The piers were 28,631 linear feet in 1996.

Source: Hawaii State Department of Transportation, Harbors Division, unpublished data.

Table 18.45-- STATE COMMERCIAL HARBORS: 2000

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet)	Storage area (1,000 square feet)			
		Depth (feet)	Length (feet)	Width (feet)		Shedded	Open		
Hawaii:	35	35	2,300	1,400	2,669	122	566		
Hilo	40	35	1,500	1,450	1,562	23	427		
Kawaihae									
Maui:	35	35	2,400	2,050	3,019	113	1,223		
Kahului									
Molokai:	23	23	1,500	600	691	7.4	129		
Kaunakakai									
Oahu:									
Honolulu: 1/ Main	}	45	{	3,300	1,520	}	29,347	1,303	9,209
Kapalama				3,400	1,000				
Barbers Point		42		2,100	1,800		1,860	36	1,703
Kauai:									
Nawiliwili	40	35	1,950	1,540	1,916	70	1,379		
Port Allen	35	35	1,500	1,200	1,200	35	32		

1/ The piers were 28,631 linear feet in 1996. All other figures in this table are identical in 1996 and 1997.
 Source: Hawaii State Department of Transportation, Harbors Division, unpublished data.

Table 18.46-- HARBOR DEPTHS: 1999

[In feet]

Harbor	Controlling depth		Project depth	
	Entrance channel	Basin	Entrance channel	Basin
Hilo	...	34	...	35
Kawaihae	42	36	40	35
Kahului	...	34	...	35
Honolulu	45	40	45	40
Barbers Point	42	37	42	38
Nawiliwili	41	34	40	35

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *Waterborne Commerce of the United States (annual)*, Part 4 at <http://www.wrsc.usace.army.mil/ndc/wcuspac99.pdf>.

**Table 18.47-- SMALL CRAFT MOORING FACILITIES,
BY ISLANDS: DECEMBER 31, 2000**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,723	1,432	365	223	487	274
Hawaii	274	268	79	77	77	77
Maui	135	129	125	111	129	119
Oahu	1,200	1,056	140	130	169	146
Kauai	114	108	21	16	112	9

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.48-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLANDS:
1999**

[Includes all lights, day beacons, buoys, and similar aids to navigation in the Hawaiian Archipelago]

Island	Number of aids to navigation				Greatest nominal range (naut. miles)	Highest above--	
	By control			Light-houses		Sea level (feet)	Ground (feet)
	Total	Federal	Other 1/				
Total	577	181	396	20	2/ 25	3/ 913	4/ 138
Hawaii	68	31	29	8	24	156	115
Maui	75	27	46	2	24	170	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	3	1	2	-	7	120	20
Lanai	18	8	9	1	8	91	13
Molokai	32	16	9	5	25	213	138
Oahu	246	54	188	4	25	913	71
Kauai	42	13	29	-	25	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	43	38
At sea	72	10	62	-	-	-	-

1/ State and private. Includes State-maintained fish aggregating buoys at sea.

2/ Molokai Light, Kaena Point Light, and Kilauea Light.

3/ Kaena Point Light.

4/ Molokai Light.

Source: 14th Coast Guard District, records.

**Table 18.49-- UNDOCUMENTED STATE-REGISTERED VESSELS:
DECEMBER 31, 2000**

Subject	Number	Subject	Number
Certificates outstanding	14,874	Type of vessel:	
Length:		Cabin motorboat	2,535
Under 16 feet	5,680	Open motorboat	5,505
16 to less than 26 feet	7,476	Runabout	2,643
26 to less than 40 feet	1,537	Sail/inboard }	1,159
40 to 65 feet	169	Sail/outboard }	
Over 65 feet	12	Sail only	653
Hull material:		Motor vessel over 65 feet	3
Wood	711	Thrill craft under 16 feet	1,126
Fiberglass	12,629	Uses:	
Metal	493	Pleasure	13,194
Inflatable	822	Commercial fishing	429
Other	195	Charter fishing	15
Propulsion:		Commercial passenger	247
Inboard	4,454	Other commercial	158
Outboard	4,837	Livery	421
Inboard/outboard	2,172	Dealer or manufacturer	32
Sail/inboard	608	Youth group	70
Sail/outboard	561	Government	266
Sail only	626	Other	42
Manual	358	Island where vessel is kept:	
Waterjet	1,178	Hawaii	2,420
Other	80	Kauai	1,728
Type of storage:		Lanai	81
Moored on water	4,141	Maui	1,595
Moored on land	10,718	Molokai	206
		Oahu	8,829

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration* (annual).

Table 18.50-- DOCUMENTED AND NUMBERED VESSELS REGISTERED IN HAWAII: 1994 TO 2000

Category	1994	1995	1996	1997	1998	1999	2000
Documented 1/ Numbered 2/	(NA) 13,839	(NA) 14,470	(NA) 15,177	(NA) 15,138	(NA) 15,138	(NA) 15,481	(NA) 14,874

NA Not available.

1/ Vessels documented under the laws of the United States with the U.S. Coast Guard in Hawaii. All vessels over five net tons, used for commercial purposes, must be documented. In addition, yachts over five net tons may be documented. As of June 30 through 1990 and December 4, 1991. Series discontinued after 1991.

2/ Non-documented numbered vessels registered with the Hawaii State Department of Land & Natural Resources, Division of Boating & Ocean Recreation. Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered. As of December 31.

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration (annual)*.

Table 18.51-- BOATING ACCIDENTS: 1990 TO 2000

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured, not fatally		
1990	21	2	3	6	25	271.7
1991	19	3	5	14	19	189.5
1992	19	(NA)	3	5	(NA)	472.4
1993	19	3	3	4	25	219.4
1994	25	3	4	9	28	256.9
1995	91	(NA)	18	(NA)	(NA)	(NA)
1996	46	(NA)	3	(NA)	(NA)	(NA)
1997	43	(NA)	3	(NA)	(NA)	(NA)
1998	42	(NA)	4	(NA)	(NA)	(NA)
1999	26	1	1	11	(NA)	(NA)
2000	22	2	2	11	22	244.8

NA Not available.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics (annual)*; Hawaii State Department of Transportation, Harbors Division, Boating Branch, *Reportable Boating Accident Statistics for Period 1988 to 1990* and *Recreational Boating Accident Statistics (Reportable) 1989 to 1991*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Recreational Boating Accident Statistics 1991 through 1993*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, records.

Table 18.52-- VESSEL ARRIVALS, BY DRAFT: 1998 AND 1999

[Excludes domestic fishing craft]

Harbor	1998			1999		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	934	875	59	934	788	35
Kawaihae	650	647	3	639	623	16
Kahului	1,351	1,152	199	1,442	1,160	282
Kaunakakai	862	1/ 826	-	771	1/ 771	-
Kalaupapa	6	2/ 6	-	20	4/ 20	-
Honolulu	8,843	6,921	1,922	7,666	6,003	1,663
Barbers Point	1,740	1,622	118	1,922	1,759	163
Nawiliwili	645	603	42	647	601	46
Port Allen	777	3/ 777	-	1,040	5/ 1040	-

1/ 21 feet and less.

2/ 14 feet and less.

3/ 19 feet and less.

4/ 15 feet and less.

5/ 16 feet and less.

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *Waterborne Commerce of the United States* (annual), Part 4 at <http://www.wrsc.usace.army.mil/ndc/wcuspac99.pdf>.

Table 18.53-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1984 TO 2000

[Years ended June 30]

Year	Overseas vessels		Interisland vessels	
	Number	Cargo tonnage	Number	Cargo tonnage
1984	1,686	4,870,182	2,660	2,369,863
1985	1,749	5,071,250	2,412	1,884,925
1986	1,825	5,379,135	2,697	2,121,858
1987	2,080	5,736,005	2,848	2,135,235
1988	2,014	6,586,749	3,172	2,746,776
1989	2,024	6,877,963	3,101	2,892,709
1990	2,159	7,439,568	3,212	2,917,984
1991	2,066	6,939,735	3,190	3,962,085
1992	2,104	8,235,947	3,207	3,101,050
1993	1,918	7,462,619	2,440	2,731,645
1994	1,603	6,434,257	2,737	2,372,971
1995	1,790	6,064,842	2,996	2,096,597
1996	1,650	6,150,398	2,831	2,349,354
1997	1,604	6,244,158	2,679	2,312,266
1998	1,320	6,732,716	4,309	1,765,496
1999	1,262	5,721,503	2,249	1,730,662
2000	1,292	5,382,309	2,215	1,959,455

Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.54-- OVERSEAS AND INTERISLAND PASSENGER ARRIVALS AND DEPARTURES, FOR HONOLULU HARBOR: 1995 TO 2000

[Fiscal years ended June 30]

Type of passenger	1995	1996	1997	1998	1999	2000
Overseas:						
In	17,517	14,851	18,262	25,570	45,494	31,767
Out	17,957	16,128	17,527	28,932	44,389	31,845
Interisland:						
In	68,699	44,982	46,825	43,522	47,950	52,570
Out	68,849	45,159	40,558	43,754	47,782	52,883

Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.55-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS: 1990 TO 1999

[1,000 short tons. Excludes cargo carried by Army and Navy vessels and cargo in transit]

Year	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
1990	1,690	887	2,409	11,341	8,034	959
1991	1,556	745	2,434	11,208	9,002	1,005
1992	1,588	790	2,357	11,522	8,824	1,143
1993	1,469	655	2,216	10,595	9,357	1,283
1994	1,455	736	2,368	11,672	9,022	1,151
1995	1,354	873	2,586	11,545	8,233	1,130
1996	1,442	969	2,828	12,010	8,745	1,203
1997	1,489	980	2,895	12,704	8,162	1,091
1998	1,630	886	2,851	13,723	6,658	938
1999	1,701	1,090	3,513	12,259	8,707	1,848

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *Waterborne Commerce of the United States* (annual), Part 4 at <http://www.wrsc.usace.army.mil/ndc/wcuspac99.pdf>

Table 18.56-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC, FOR SPECIFIED HARBORS: 1999

[In thousands of short tons]

Category	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
All freight traffic	1,701	1,090	3,513	12,259	8,707	1,348
Foreign						
Imports	78	-	34	1,391	4,942	3
Exports	-	-	-	310	296	-
Canadian						
Imports	-	-	-	48	53	-
Exports	-	-	-	-	-	-
Domestic, total	1,624	886	3,479	10,510	3,416	1,346
Coastwise						
Receipts	1,183	662	2,125	5,551	2,237	845
Shipments	440	428	1,353	4,884	1,170	501
Internal & intraport	-	-	-	74	9	-

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *1999 Waterborne Commerce of the United States*, Part 4 at <http://www.wrsc.usace.army.mil/ndc/wcuspac99.pdf>

**Table 18.57-- WATERBORNE COMMERCE, BY COMMODITIES, FOR
SPECIFIED HARBORS: 1999**

[In thousands of short tons]

Port and commodity	Total	Receipts 1/	Shipments 2/
Hilo	1,701	1,261	440
Petroleum and petroleum products	389	389	-
Fabricated non-iron metal products	707	398	309
Food and farm products	152	104	48
Manufactured equipment, machinery and products	252	185	67
Kawaihae	1,090	662	428
Fabricated non-iron metal products	693	351	343
Food and farm products	88	75	13
Manufactured equipment, machinery and products	215	149	66
Kahului	3,513	2,159	1,353
Petroleum and petroleum products	563	558	6
Fabricated non-iron metal products	1,489	817	673
Food and farm products	646	177	469
Manufactured equipment, machinery and products	492	320	173
Honolulu	12,259	6,990	5,268
Petroleum and petroleum products	1,747	1,119	627
Lumber	322	178	143
Fabricated non-iron metal products	3,808	1,730	2,078
Food and farm products	2,199	1,367	831
Manufactured equipment, machinery and products			
Vehicles and parts	2,805	1,667	1,138
Barbers Point	8,707	7,272	1,475
Petroleum and petroleum products	8,116	6,748	1,367
Cement and concrete	237	181	55
Nawiliwili	1,348	848	501
Fabricated non-iron metal products	718	453	265
Food and farm products	239	83	155
Manufactured equipment, machinery and products	246	168	78
Kaunakakai	195	(NA)	(NA)
Port Allen	4	(NA)	(NA)

NA Not available.

1/ Includes foreign imports and coastwise receipts.

2/ Includes foreign exports and coastwise, internal and intraport shipments.

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, 1999 *Waterborne Commerce of the United States*, Part 4 at <http://www.wrsc.usace.army.mil/ndc/wcuspac99.pdf>

**Table 18.58-- TRANSPORTATION AND WAREHOUSING SUMMARY STATISTICS
FOR THE STATE: 1997**

NAICS code	Kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
48-49	Transportation & warehousing 1/ 2/	686	1,249,280	427,727	16,684
481	Air transportation 1/	32	117,500	20,369	777
483	Water transportation	23	184,212	36,876	1,092
484	Truck transportation	190	242,560	81,023	2,897
485	Transit & ground passenger transportation	86	114,434	89,033	3,547
487	Scenic & sightseeing transportation	150	267,338	81,517	4,346
488	Support activities for transportation	134	194,910	79,929	2,551
492	Couriers & messengers	54	83,146	32,075	1,229
493	Warehousing & storage	17	45,180	6,905	245

1/ Data do not include large certificated passenger carriers that report to the Office of the Airline Statistics, U.S. Department of Transportation.

2/ Railroad transportation and U.S. Postal Service are out of scope for the 1997 Economic Census.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation and Warehousing, Geographic Area Series*, EC97T48A-HI (January 2000).

**Table 18.59-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND
DESTINATION: 1997**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	11,272	22,290	1,330
Destination:			
Hawaii	10,773	22,072	648
California	234	146	388
Washington	38	12	44
Other states	227	60	250
Mode of transportation:			
Single modes:			
Truck	6,696	12,066	153
Water	349	(S)	(S)
Air (includes truck and air)	357	55	42
Pipeline	1,305	7,162	(S)
Multiple modes:			
Parcel, U.S. Postal Service or courier	570	13	6
Truck and water	1,139	779	563
Other multiple modes	(S)	(S)	202
Other and unknown modes	725	734	89
Distance shipped:			
Less than 50 miles	8,854	19,874	239
50 to 249 miles	1,914	2,194	407
250 to 1,999 miles	5	(S)	(S)
2,000 miles or more	499	218	682
Commodity: 1/			
Other agricultural products 2/	326	(S)	(S)
Meat, fish, seafood & their preparations	973	241	20
Other prepared foodstuffs, fats & oils	1,274	1,305	631
Gasoline/aviation turbine fuel	2,187	7,387	193
Fuel oils	748	4,622	(S)
Pharmaceutical products	515	6	1
Printed products	545	369	9
Textiles, leather, and articles of textiles or leather	577	27	3
Electronic and other 3/	467	33	3

S Data do not meet publication standards due to high sampling variability or other reasons.

1/ Based on the Standard Classification of Transported Goods (SCTG) coding system. Includes subgroups not shown separately.

2/ Excluding live animals, live fish and cereal grains.

3/ Electronic and other electrical equipment and components and office equipment.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation, 1997 Commodity Flow Survey, Hawaii*, EC97-TCF-HI (December 1999), tables 1a, 3, 6 and 7.

Section 19

AGRICULTURE

This section presents statistics on agricultural land, farms, crops, livestock, dairy products, poultry, and aquaculture. Related information appears in Sections 6 (land use), 12 and 15 (agricultural employment and earnings), and 22 (food processing).

Important sources for data on agriculture include the *United States Census of Agriculture*, most recently published for 1997, the annual report on *Statistics of Hawaiian Agriculture* issued by the Hawaii Agricultural Statistics Service, and data compiled by the former Hawaiian Sugar Planters' Association, now the Hawaii Agriculture Research Center, and the Aquaculture Development Program of the Hawaii State Department of Agriculture. Agricultural data for earlier years are summarized in *Historical Statistics of Hawaii*, Section 13. National statistics appear in Section 23 of the *Statistical Abstract of the United States: 2000*.

**Table 19.01-- FARMS, LAND IN FARMS, AND SELECTED ITEMS:
1992 AND 1997**

Item		1992	1997
Farms	number	5,336	5,473
Land in farms	acres	1,588,843	1,439,071
Average size of farm	acres	298	263
Value of land and buildings:			
Average per farm	dollars	722,189	632,281
Average per acre	dollars	2,425	2,405
Estimated market value of all machinery and equipment:			
Average per farm	dollars	53,207	38,709
Farms by size:			
1 to 9 acres		3,410	3,456
10 to 49 acres		1,342	1,417
50 to 179 acres		313	318
180 to 499 acres		133	139
500 to 999 acres		34	43
1,000 acres or more		104	100
Total cropland	farms	4,735	4,882
	acres	293,371	292,107
Harvested cropland	farms	4,472	4,594
	acres	136,431	100,094
Irrigated land	farms	2,220	2,241
	acres	134,338	76,971
Market value of agricultural products sold	\$1,000	552,054	496,935
Average per farm	dollars	103,458	90,798
Crops, including nursery and greenhouse crops	\$1,000	453,410	401,411
Livestock, poultry, and their products	\$1,000	98,644	95,524
Farms by value of sales:			
Less than \$2,500		1,790	1,638
\$2,500 to \$4,999		754	743
\$5,000 to \$9,999		715	797
\$10,000 to \$24,999		863	989
\$25,000 to \$49,999		484	535
\$50,000 to \$99,999		291	323
\$100,000 or more		439	448

Continued on next page.

**Table 19.01-- FARMS, LAND IN FARMS, AND SELECTED ITEMS:
1992 AND 1997 -- Con.**

Item		1992	1997
Total farm production expenses	\$1,000	466,826	398,567
Average per farm	dollars	87,486	(NA)
Net cash return from agriculture sales for the farm unit	farms	5,336	(NA)
Average per farm	\$1,000 dollars	85,228 15,972	(NA) (NA)
Operators by principal occupation:			
Farming		2,926	3,052
Other		2,410	2,421
Operators by days worked off farm:			
Any		2,864	2,827
200 days or more		1,487	1,566
Livestock and poultry:			
Cattle and calves inventory	farms	874	829
	number	191,230	181,732
Beef cows	farms	655	625
	number	87,620	93,711
Milk cows	farms	57	44
	number	10,816	8,389
Cattle and calves sold	farms	699	660
	number	82,788	66,726
Hogs and pigs inventory	farms	253	248
	number	28,570	29,440
Hogs and pigs sold	farms	200	190
	number	47,831	38,066
Sheep and lambs inventory	farms	62	(NA)
	number	22,938	(NA)
Chicken inventory 1/	farms	177	140
	number	935,278	726,534
Broilers and other meat-type chickens sold	farms	14	9
	number	1,201,331	478,672

Continued on next page.

**Table 19.01-- FARMS, LAND IN FARMS, AND SELECTED ITEMS:
1992 AND 1997 -- Con.**

Item		1992	1997
Selected crops harvested:			
Sugarcane for sugar	farms	31	13
	acres	62,915	31,483
	tons	5,488,214	2,873,712
Pineapples harvested	farms	21	27
	acres	15,500	12,992
	tons	556,748	348,428
Vegetables harvested	farms	602	657
	acres	5,129	6,549
Land in orchards	farms	2,537	2,786
	acres	38,590	37,906

1/ Data for 1992 are for chickens 3 months old or older inventory.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *1997 Census of Agriculture, Vol.1, Part 11, Hawaii* (March 1999), table 1, pp. 10-11.

Table 19.02-- FARMS AND LAND IN FARMS, FOR COUNTIES: 1997

Item		Hawaii	Honolulu	Kauai	Maui
Farms	number	3,319	880	468	806
Land in farms	acres	870,012	79,927	197,042	292,090
Average size of farm	acres	262	91	421	362
Value of land and buildings:					
Average per farm	dollars	574,464	565,361	847,704	818,342
Average per acre	dollars	2,192	6,225	2,013	2,258
Estimated market value of all machinery and equipment:					
Average per farm	dollars	21,997	33,250	81,111	88,989
Farms by size:					
1 to 9 acres		2,062	664	262	468
10 to 49 acres		893	156	135	233
50 to 179 acres		207	28	35	48
180 to 499 acres		71	17	22	29
500 to 999 acres		32	3	3	5
1,000 acres or more		54	12	11	23
Total cropland	farms	3,035	777	386	684
	acres	102,991	29,237	(D)	(D)
Harvested cropland	farms	2,897	749	343	605
	acres	32,410	15,355	20,086	32,243
Irrigated land	farms	857	629	275	480
	acres	7,425	16,303	18,212	35,031
Market value of agricultural products sold					
Average per farm	\$1,000 dollars	168,111	142,965	57,474	128,385
Crops, including nursery and greenhouse crops	\$1,000	50,651	162,460	122,808	159,287
Livestock, poultry, and their products	\$1,000	129,018	103,477	52,832	116,084
	\$1,000	39,094	39,488	4,642	12,301

D Withheld to avoid disclosing data for individual farms.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *1997 Census of Agriculture, Vol.1, Part 11, Hawaii* (March 1999), p.150.

**Table 19.03-- NUMBER OF FARMS, FARM ACREAGE, AND FARM
EMPLOYMENT: 1980 TO 1999**

Year	Number of farms 1/	Farm acreage 2/ (1,000)	Farm employment 3/		
			Self-employed farm operators	Unpaid family members 3/	Hired workers
1980	4,300	1,970	3,400	1,100	10,550
1981	4,400	1,965	3,100	900	10,500
1982	4,500	1,960	2,600	1,300	13,000
1983	4,500	1,900	2,500	1,500	13,000
1984	4,600	1,850	2,200	1,300	11,800
1985	4,600	1,800	2,200	1,200	10,600
1986	4,600	1,750	2,050	1,200	9,700
1987	4,650	1,720	2,600	1,100	10,700
1988	4,650	1,720	2,600	1,100	10,300
1989	4,650	1,720	2,400	1,100	9,800
1990	4,700	1,680	2,500	1,000	9,600
1991	4,700	1,630	3,100	1,100	9,600
1992	4,800	1,590	3,100	1,300	9,500
1993	5,200	1,560	2,800	1,100	8,700
1994	5,300	1,530	2,700	1,200	8,100
1995	5,300	1,470	2,700	1,000	7,300
1996	5,400	1,440	2,700	1,000	7,400
1997	5,500	1,440	2,700	1,200	7,000
1998	5,500	1,440	2,700	1,200	7,400
1999	5,500	1,440	3,000	1,200	7,600

1/ Based on farm definition of \$1,000 or more of agricultural sales.

2/ Includes land not in crop and pasture, such as farm house lots, roads, woodlots, etc.

3/ Working 15 or more hours per week.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

Table 19.04-- VALUE OF CROP AND LIVESTOCK SALES: 1980 TO 1999

[\$1,000]

Year	All crops and livestock 1/	Crops				Livestock 1/
		All crops	Sugar (unprocessed cane)	Pine-apples (fresh equiv.)	Other crops 2/	
1980	634,101	552,877	385,100	76,596	91,181	81,224
1981	489,502	401,348	207,500	89,745	104,103	88,154
1982	507,268	428,860	230,800	94,364	103,696	78,408
1983	568,414	481,926	266,900	100,376	114,650	86,488
1984	550,517	463,502	256,200	89,928	117,374	87,015
1985	528,649	445,826	222,400	90,530	132,896	82,823
1986	564,717	481,312	233,800	99,720	147,792	83,405
1987	557,298	469,565	218,000	99,286	152,279	87,733
1988	573,962	485,293	209,900	107,402	167,991	88,669
1989	585,048	493,261	210,300	98,310	184,651	91,787
1990	595,030	506,586	213,800	106,365	186,421	88,444
1991	551,382	464,139	174,900	107,775	181,464	87,243
1992	520,227	431,958	153,700	102,100	176,158	88,269
1993	506,475	421,593	163,000	79,850	178,743	84,882
1994	503,780	427,150	160,100	78,890	188,160	76,630
1995	493,385	421,089	127,700	87,360	206,029	72,296
1996	495,688	428,671	108,100	95,914	224,657	67,017
1997	486,460	418,661	85,500	91,721	241,440	67,799
1998	493,442	420,734	87,400	92,776	240,558	72,708
1999	509,562	439,940	86,800	101,448	251,692	69,622

1/ 1995-98 Total livestock sales figures have been revised from previous year databook table.

2/ 1998 Total crops sales figures have been revised from previous year databook table.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

Table 19.05-- NUMBER OF FARMS, FARM ACREAGE, AND FARM EMPLOYMENT, BY COUNTIES OR ISLANDS: 1989, 1997, 1998, AND 1999

County or island and year	Number of farms 1/	Farm acreage 2/ (1,000)	Farm employment 3/		
			Self-employed farm operators	Unpaid family members 4/	Hired workers
State total:					
1989	4,650	1,720	2,400	1,100	9,800
1997	5,500	1,440	2,700	1,200	7,000
1998	5,500	1,440	2,700	1,200	7,400
1999	5,500	1,440	3,000	1,200	7,600
Hawaii County:					
1989	2,700	1,010	1,600	750	3,600
1997	3,300	870	1,800	700	2,450
1998	3,300	870	1,750	650	2,550
1999	3,300	870	1,850	600	2,400
Maui County:					
1989	600	360	250	100	2,550
1997	800	290	300	100	1,850
1998	800	290	350	150	1,950
1999	800	290	450	200	2,200
Oahu:					
1989	950	125	450	200	2,450
1997	900	80	500	300	1,900
1998	900	80	450	250	2,100
1999	900	80	500	300	2,100
Kauai County:					
1989	400	225	200	50	1,200
1997	500	200	200	100	850
1998	500	200	200	100	800
1999	500	200	250	100	900

1/ Based on farm definition of \$1,000 or more of agricultural sales.

2/ Includes land not in crops and pasture, such as farm house lots, roads, woodlots, etc.

3/ Data not comparable among years shown due to changes in survey periods; sum of county estimates may not add due to rounding.

4/ Working 15 hours or more per week.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); *Hawaii Agricultural Labor* (quarterly); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

**Table 19.06-- VALUE OF CROP AND LIVESTOCK SALES, BY COUNTIES
OR ISLANDS: 1989, 1997, 1998 AND 1999**

[\$1,000]

County or island and year	All crops and livestock 1/	Crops				Livestock 1/
		All crops 2/	Sugar (unpro- cessed cane)	Pine- apples 3/ (fresh equiv.)	Other crops 3/	
State total:						
1989	585,048	493,261	210,300	98,310	184,651	91,787
1997	486,460	418,661	85,500	91,721	241,440	67,799
1998	493,442	420,734	87,400	92,776	240,558	72,708
1999	509,562	439,940	86,800	101,448	251,692	69,622
Hawaii County:						
1989	207,372	174,668	56,900	(Z)	117,768	32,704
1997	149,965	130,887	-	(Z)	130,887	19,078
1998	142,522	121,676	-	(Z)	121,676	20,846
1999	143,360	121,056	-	(Z)	121,056	22,304
Maui County:						
1989	133,042	124,781	66,400	32,863	25,518	8,261
1997	126,266	116,453	53,900	28,295	34,258	9,813
1998	135,373	124,816	58,700	28,413	37,703	10,557
1999	130,416	124,526	60,200	28,325	36,001	5,890
Oahu:						
1989	179,670	133,608	35,500	65,447	32,661	46,062
1997	142,256	107,347	-	63,426	43,921	34,909
1998	160,819	124,630	-	64,363	60,267	36,189
1999	178,784	141,892	-	73,123	68,769	36,892
Kauai County:						
1989	64,964	60,204	51,500	(Z)	8,704	4,760
1997	63,425	59,425	31,600	(Z)	27,825	4,000
1998	54,728	49,612	28,700	(Z)	20,912	5,116
1999	57,002	52,466	26,600	(Z)	25,866	4,536

Z Less than \$50,000.

1/ 1997-98 data have been revised from previous year databook table.

2/ 1998 data have been revised from previous year databook table.

3/ County data may fail to add exactly to State total.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual);
and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

Table 19.07-- ACREAGE IN CROP, NUMBER OF CROP FARMS, VOLUME OF CROP MARKETINGS, AND VALUE OF CROP SALES: 1989, 1997, 1998, AND 1999

Subject	1989	1997	1998	1999
Acreage in crop (1,000 acres):				
Sugarcane	170.8	68.7	67.6	67.0
Pineapples (land used for pineapple)	32.7	19.9	21.0	21.0
Vegetables and melons (harvested acreage)	5.0	6.5	6.6	8.2
Fruits, excluding pineapples 1/	7.4	8.0	7.6	8.1
Coffee	3.0	7.0	7.4	7.7
Macadamia nuts	22.3	20.2	20.2	19.9
All other crops 1/	4.8	13.3	15.9	16.2
Number of crop farms:				
Sugar	70	4	4	4
Pineapples	10	15	15	15
Vegetables and melons	525	1,000	880	1,020
Fruits (excluding pineapples)	709	1,043	1,515	1,373
Coffee	635	585	610	650
Macadamia nuts	675	800	800	800
Taro	150	160	180	190
Flowers and nursery products	710	670	745	855
Volume of crop marketings:				
Sugar, unprocessed cane (1,000 tons)	7,082	2,925	(2/)	(2/)
Pineapples, fresh equivalent (1,000 tons)	580	324	(2/)	(2/)
Vegetables and melons (1,000 lb.)	83,250	100,850	(2/)	(2/)
Fruits, excluding pineapples (1,000 lb.)	109,980	73,750	(2/)	(2/)
Coffee, parchment (1,000 lb.)	3,200	9,400	(2/)	(2/)
Macadamia nuts, in shell (1,000 lb.)	50,500	58,000	(2/)	(2/)
Taro (1,000 lb.)	6,500	5,500	(2/)	(2/)
Value of crop sales (\$1,000):				
Sugar (unprocessed cane)	210,300	85,500	87,400	86,800
Pineapples (fresh equivalent)	98,310	91,721	92,776	101,448
Vegetables and melons 1/	32,719	44,626	51,149	56,438
Fruits (excluding pineapples) 1/	23,074	29,564	24,530	28,216
Coffee (parchment)	12,480	28,200	24,700	21,000
Macadamia nuts (in shell)	44,945	43,500	37,375	37,855
Taro	1,996	2,805	3,180	3,604
Seed Crops 1/ 3/	(NA)	25,150	25,300	28,000
Flowers and nursery products 1/	62,206	66,655	73,207	75,363

NA Not Available

1/ 1998 data have been revised from previous year databook table.

2/ This data series discontinued in 1998.

3/ Seed crops have been included in this table, replacing field crops of previous years.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

Table 19.08-- ACREAGE IN CROP, NUMBER OF CROP FARMS, AND VALUE OF CROP SALES, BY COUNTIES OR ISLANDS: 1999

Subject	Hawaii County	Maui County	Oahu	Kauai County
Acreage in crop (1,000 acres):				
Sugarcane	-	43.3	-	23.7
Pineapples (land used for pineapple)	(1/)	9.1	11.9	(1/)
Vegetables and melons (harvested acreage)	2.3	1.4	4.3	.2
Fruits, excluding pineapples	4.9	0.3	1.9	1.0
Coffee	3.2	(D)	(D)	(D)
Macadamia nuts	(D)	(D)	(D)	(D)
All other crops	2.3	1.9	10.9	1.1
Number of crop farms:				
Sugar	-	2	-	2
Pineapples	5	5	2	3
Vegetables and melons	600	145	230	45
Fruits (excluding pineapples)	805	251	174	143
Coffee	635	(D)	(D)	(D)
Macadamia nuts	(D)	(D)	(D)	(D)
Taro	100	13	12	65
Flowers and nursery products	376	154	245	80
Value of crop sales (\$1,000):				
Sugar (unprocessed cane)	-	60,200	-	26,600
Pineapples (fresh equivalent)	(2/)	28,325	73,123	(2/)
Vegetables, ginger root, herbs, and melons	18,569	9,519	27,419	931
Fruits (excluding pineapples)	15,547	1,056	8,535	3,078
Coffee (parchment)	9,300	(D)	(D)	(D)
Macadamia nuts (in shell)	(D)	(D)	(D)	(D)
Taro	632	(D)	(D)	2,236
Seed crops	(D)	(D)	(D)	(D)
Flowers and nursery products	41,578	9,617	22,654	1,514

D Withheld to avoid disclosure of individual operations.

1/ Less than 50 acres.

2/ Less than \$50,000.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

Table 19.09-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 1999

[Data shown for crops with sales in excess of \$1,000,000]

Crop	Acreage harvested	Yield per acre (1,000 lb.)	Production (1,000 lb.)	Farm price (cents per lb.)	Value of sales (\$1,000)
Specialty crops:					
Coffee (1999-00)	6,400	1.6	10,000	210.0	21,000
Fresh herbs	...	...	2,900	...	5,398
Ginger roots	350	46.0	16,100	50.0	8,050
Macadamia nuts (1999-00)	18,900	3.0	64,000	59.1	37,855
Seed crops (1999-00)	3,500	...	6,200	...	28,000
Fruits:					
Bananas	1,420	17.3	24,500	35.0	8,575
Guavas	630	...	10,700	9.1	974
Papayas	1,940	21.9	42,400	37.6	15,929
Vegetables:					
Cabbage, Chinese	330	22.7	7,500	19.0	1,425
Cabbage, head	550	26.0	14,300	18.0	2,574
Cucumbers	470	12.3	5,800	43.0	2,494
Onions, dry	310	11.0	3,400	67.0	2,278
Onions, green	190	8.9	1,700	85.0	1,445
Peppers, green	200	15.0	3,000	53.0	1,590
Potatoes, sweet	340	8.5	2,900	63.0	1,827
Taro	1/ 500	...	6,800	53.0	3,604
Tomatoes	420	40.0	16,800	47.0	7,896
Watercress	1/ 35	...	970	115.0	1,116
Watermelons	570	20.0	11,400	21.0	2,394

1/ Acreage in crop.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

**Table 19.10-- SUGARCANE ACREAGE, BY TYPE OF IRRIGATION:
1984 TO 2000**

Year	Total cane land	Irrigated cane land		Unirrigated cane land
		Drip	Furrow or overhead	
1984	188,396	86,925	26,325	75,146
1985	187,858	89,129	24,323	74,406
1986	184,179	90,877	19,526	73,776
1987	180,967	88,812	18,602	73,553
1988	177,693	88,387	17,791	71,515
1989	170,816	86,030	16,687	68,099
1990	161,991	83,252	15,129	63,610
1991	155,608	80,366	13,745	61,497
1992	145,790	76,132	13,008	58,777
1993	121,322	74,557	11,595	35,170
1994	98,413	68,547	10,753	19,113
1995	81,957	62,462	8,416	11,079
1996	68,816	56,147	7,511	5,158
1997	67,820	55,585	7,115	5,120
1998	67,585	55,828	6,620	5,137
1999	60,758	51,234	4,602	4,922
2000	43,821	43,821	-	-

Source: Hawaiian Sugar Planters' Association, records; Alexander & Baldwin, Inc., "Water to the Roots," *Ampersand*, Spring 1987, pp. 3-6; and Hawaii Agriculture Research Center, records.

**Table 19.11-- FRESH FRUIT AND VEGETABLE ARRIVALS IN HONOLULU,
BY SOURCE: 1995 TO 1997**

[1,000 pounds, net]

Source	1995	1996	1997 1/
Total arrivals 2/	297,800	294,525	283,578
From Hawaii	81,840	74,947	78,374
Oahu 3/	27,618	32,380	34,885
Other islands	54,222	42,568	43,488
Hawaii	27,451	24,574	24,766
Maui	12,434	9,352	9,039
Molokai	14,006	8,187	9,154
Kauai	330	455	531
From U.S. Mainland 4/	210,306	213,763	199,094
From foreign countries	5,653	5,815	6,110

Data subject to revisions.

1/ Preliminary figures.

2/ Ship and plane arrivals.

3/ Oahu refers to arrivals by truck to wholesalers only; excludes direct shipments deliveries from farmer to retail outlets.

4/ Mainland arrivals may include produce originating from foreign countries via US transshipment points.

Source: Hawaii State Department of Agriculture, Market Analysis and News Branch, *Honolulu Arrivals, Fresh Fruits and Vegetables, 1994-1996*, table 1, and records.

**Table 19.12-- LIVESTOCK INVENTORY, 1984 TO 1999, AND BY
GEOGRAPHIC AREAS, 1999**

[In thousands]

Year and geographic area	All cattle and calves 1/	Milk cows 1/	Hogs and pigs 2/	Chickens (excluding broilers) 2/	Bee colonies
1984	221	12	47	1,195	9
1985	209	11	55	1,210	9
1986	199	12	50	1,185	9
1987	203	12	47	1,212	9
1988	212	12	43	1,217	9
1989	205	11	39	1,216	9
1990	215	11	36	1,183	10
1991	200	10	34	1,213	10
1992	178	11	35	1,109	9
1993	165	11	33	1,012	9
1994	175	11	35	981	9
1995	178	11	34	933	8
1996	174	10	28	876	8
1997	172	10	29	863	9
1998	180	9	29	747	8
1999	173	9	28	721	8
GEOGRAPHIC AREAS: 1999					
Hawaii County	119.8	1.9	2.2	(D)	(NA)
Maui County	29.2	0.9	4.8	(D)	(NA)
Oahu	13.4	5.2	18.4	568	(NA)
Kauai County	10.6	0.7	2.6	(D)	(NA)

NA Not available.

D Withheld to avoid disclosing data for individual operations.

1/ As of January 1 of the following year.

2/ As of December 1.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual);
and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

Table 19.13-- NUMBER OF LIVESTOCK OPERATIONS, VOLUME OF LIVESTOCK MARKETINGS, AND VALUE OF LIVESTOCK SALES: 1989, 1997, 1998, AND 1999

Subject	1989	1997	1998	1999
Number of livestock operations, Dec. 31:				
Cattle 1/	900	830	830	830
Hogs	550	250	250	230
Milk	80	50	50	50
Eggs	55	55	55	55
Honey	11	23	29	28
Volume of livestock marketings:				
Beef (dressed weight; 1,000 lb.) 2/	34,450	10,024	(3/)	(3/)
Pork (dressed weight; 1,000 lb.)	7,716	4,579	(3/)	(3/)
Milk (million lb.)	151.5	119.3	(3/)	(3/)
Eggs (million)	226.6	172.0	(3/)	(3/)
Honey (1,000 lb.)	1,215	1,314	(3/)	(3/)
Value of livestock sales (\$1,000):				
Cattle 4/	31,483	14,323	16,861	16,607
Hogs 4/	7,911	4,902	5,235	5,072
Milk	31,588	29,479	33,293	31,223
Eggs	14,956	12,914	11,323	10,803
Honey	535	1,130	708	499

1/ Includes beef, dairy, and dairy replacement operations.

2/ Includes slaughter cattle, but excludes calves shipped out-of-state.

3/ This data series discontinued in 1998.

4/ Excludes interfarm sales; includes out-of-state sales of slaughter cattle and feeder calves.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

Table 19.14-- NUMBER OF LIVESTOCK OPERATIONS AND VALUE OF LIVESTOCK SALES, BY COUNTIES OR ISLANDS: 1999

Subject	Hawaii County	Maui County	Oahu	Kauai County
Number of livestock operations, Dec. 31:				
Cattle 1/	470	170	60	100
Hogs	70	60	70	30
Milk	28	4	10	8
Eggs	28	8	15	4
Honey	14	(2/)	(2/)	14
Value of livestock sales (\$1,000):				
Cattle 3/	12,164	2,865	551	1,027
Hogs 3/	569	894	3,143	466
Milk	(D)	(D)	23,276	(D)
Eggs	(D)	(D)	7,821	(D)

D Withheld to avoid disclosure of individual operations.

1/ Includes beef, dairy, and dairy replacement operations.

2/ Oahu combined with Maui County to avoid disclosure of individual operations.

3/ Excludes interfarm sales; includes out-of-state sales of slaughter cattle and feeder calves.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual); and http://www.nass.usda.gov/hi/stats/t_of_c.htm.

**Table 19.15-- FLORICULTURE AND NURSERY PRODUCTS, 1992 TO 1999,
AND BY ISLANDS, 1996 TO 1999**

Island and year	Number of farms	Growing area					Wholesale value (\$1,000)
		Total (acres)	Green-house (1,000 sq. ft.)	Artificial shade structure (1,000 sq. ft.)	Natural shade area (acres)	Open field (acres)	
State total:							
1992	686	2,497	3,880	22,025	13	1,890	69,679
1993	662	2,384	4,565	19,955	21	1,800	69,513
1994	660	2,290	3,770	21,600	18	1,690	67,005
1995	705	2,698	3,770	24,215	15	2,040	68,175
1996	690	2,212	2,820	23,405	10	1,600	68,870
1997	670	2,158	2,805	23,885	10	1,535	66,655
1998 1/	745	2,679	2,810	24,200	9	2,050	73,207
1999	855	2,959	2,810	24,510	7	2,325	75,363
Islands, 1996:							
Hawaii	316	1,240	1,990	17,815	10	775	34,275
Kauai	52	69	60	345	0	60	1,965
Maui/Molokai	111	428	230	335	0	415	7,515
Oahu	211	475	540	4,910	0	350	25,115
Islands, 1997:							
Hawaii	312	1,363	2,000	18,805	10	875	34,501
Kauai	50	65	60	355	0	55	1,804
Maui/Molokai	106	308	235	345	0	295	8,219
Oahu	202	422	510	4,380	0	310	22,131
Islands, 1998: 1/							
Hawaii	355	1,660	1,975	19,620	9	1,155	39,153
Kauai	40	53	75	295	0	45	1,360
Maui/Molokai	145	452	280	475	0	435	8,951
Oahu	205	514	480	3,810	0	415	23,743
Islands, 1999:							
Hawaii	376	1,946	1,950	20,435	7	1,425	41,578
Kauai	80	68	90	235	0	60	1,514
Maui/Molokai	154	436	325	605	0	415	9,617
Oahu	245	509	445	3,235	0	425	22,654

1/ Data have been revised from previous year databook table.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary* (September 5, 2000), pp. 10 and 13.

**Table 19.16-- FLORICULTURE AND NURSERY PRODUCTS, BY
COMMODITY: 1999**

[Shown for commodities with value of sales over \$500,000 and growers with total sales of
\$10,000 or more]

Commodity	Number of farms having sales	Number sold		Value of sales (\$1,000)
		Unit	Number	
Selected cut flowers:				
Anthuriums	68	1,000 dozens	1,289	6,496
Bird of Paradise	25	1,000 dozens	83	561
Ginger, red	60	1,000 dozens	226	807
Heliconias	58	1,000 dozens	78	582
Proteas	31	1,000 stems	2,466	1,438
Orchids:				
Sprays: Dendrobium	49	1,000 dozens	383	2,676
Potted: Dendrobiums	71	1,000 pots	1,149	6,194
Potted: Phalaenopsis	22	1,000 pots	207	1,153
Lei or individual flowers:				
Dendrobiums	27	Million blooms	21.7	663
Plumerias	10	Million blooms	45.0	931
Tuberoses	6	Million blooms	20.4	959
Foliage:				
Potted, primarily for-- Indoor or patio use	65	...	(NA)	14,896
Potted flowering plants:				
Bromeliads	17	1,000 pots	112	621
Chrysanthemums	4	1,000 pots	159	675
Poinsettias	29	1,000 pots	331	1,268
Plant rentals	32	...	(NA)	3,227

NA Not available.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary*, (September 5, 2000), pp. 3-8.

Table 19.17-- OUT-OF-STATE SALES OF FLORICULTURE AND NURSERY PRODUCTS: 1995 TO 1999

[\$1,000. Based on F.O.B. island value. Includes both wholesale and retail sales]

Type	1995	1996	1997	1998	1999
Total sales	38,985	38,390	41,400	47,180	45,945
Anthuriums, cut	10,395	9,705	10,945	9,795	10,685
Foliage, potted	9,910	9,500	10,320	12,220	12,785
Other flowers, nursery products	18,680	19,185	20,135	25,165	22,475

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary*, (September 5, 2000), p. 14.

Table 19.18-- AGRICULTURAL LABOR: WORKERS ON FARMS, STATE OF HAWAII, 1993-2000

[Figures are averages based on January, April, July, and October surveys]

Year	Farm employment			Hired Workers by type of farm			
	Total 1/	Self-Employed farm operators	Unpaid workers 2/	Hired workers 1/	Sugar	Pineapple	Other
1993	12,600	2,800	1,100	8,700	2,500	1,400	4,800
1994	11,950	2,700	1,200	8,100	2,300	1,300	4,500
1995	11,000	2,700	1,000	7,300	1,700	1,200	4,400
1996	11,100	2,700	1,000	7,400	1,400	1,200	4,800
1997	10,900	2,700	1,200	7,000	1,200	1,300	4,500
1998	11,300	2,700	1,200	7,400	1,200	1,200	5,000
1999	11,800	3,000	1,200	7,600	1,200	1,300	5,200
2000	11,900	3,100	1,000	7,800	1,000	1,200	5,600

1/ Sum of hired workers by type of farm may not add to hired workers total due to rounding.

2/ Includes family members and others working 15 or more hours per week.

Source: Hawaii Agricultural Statistics Service, Hawaii Agricultural Labor, Quarterly, various issues.

**Table 19.19-- GENERAL EXCISE TAX BASE FOR PRODUCING:
1989 TO 2000**

[In thousands of dollars. Data are on a cash basis accounting. "Producing" refers to the raising and production of agricultural products in their natural state, the production of natural resource products, fishing, and aquaculture]

Year 1/	Amount	Year 1/	Amount	Year 1/	Amount
1989	326,400	1993	474,861	1997	505,557
1990	317,337	1994	467,174	1998	478,201
1991	301,884	1995	457,538	1999	501,501
1992	408,662	1996	479,009	2000	519,272

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release).

**Table 19.20-- AGRICULTURAL CHEMICALS USED, INCLUDING
FERTILIZER: 1987 TO 1997**

Chemicals used		1987	1992	1997
Any chemicals, fertilizer, or lime used 1/	farms	4,105	4,476	4,531
Commercial fertilizer	farms	3,524	4,028	4,051
	acres on which used	225,457	200,723	133,927
	\$1,000	30,717	30,574	25,653
Agricultural chemicals	farms	3,881	3,853	3,834
	\$1,000	18,233	20,396	17,187
Sprays, dusts, granules, fumigants, etc., to control --				
Insects on hay and other crops	farms	2,008	1,790	1,604
	acres on which used	68,150	53,593	34,673
Nematodes in crops	farms	663	489	350
	acres on which used	15,792	15,587	11,086
Diseases in crops and orchards	farms	1,151	1,018	1,033
	acres on which used	(D)	21,036	33,343
Weeds, grass, or brush in crops and pasture	farms	2,887	2,820	2,685
	acres on which used	235,871	178,422	122,576
Chemicals used for defoliation or for growth control of crops or thinning of fruit	farms	212	157	184
	acres on which used	57,481	40,292	15,184

D Withheld to avoid disclosing data for individual farms.

1/ Data for 1987 include farms on which lime was applied alone or together with fertilizer and/or chemicals.

Source: U.S. Department of Agriculture, *1997 Census of Agriculture*, AC97-A-11, *Hawaii*, (March 1999), p. 23.

Table 19.21-- AQUACULTURE INDUSTRY OPERATIONS: 1970 TO 1999

Year	Number of operations, Dec. 31	Acreage, Dec. 31	Production (1,000 lb.)	Value (\$1,000)
1970	2	193	20	11
1971	2	193	17	17
1972	2	193	18	23
1973	3	203	34	34
1974	4	213	41	136
1975	10	234	82	178
1976	14	235	94	210
1977	25	246	123	281
1978	25	320	178	525
1979	23	493	246	1,531
1980	37	575	320	1,655
1981	41	547	338	1,868
1982	44	643	551	2,625
1983	42	496	345	1,605
1984	47	474	441	2,300
1985	48	465	583	2,780
1986	44	444	1,015	3,549
1987	45	437	1,689	6,263
1988	44	477	1,170	5,560
1989	46	479	1,264	6,835
1990	53	489	1,452	9,241
1991	71	595	1,207	6,884
1992	83	615	1,272	7,134
1993	90	640	1,296	7,469
1994	105	605	990	9,036
1995	107	635	1,410	13,307
1996	117	695	1,992	15,656
1997	110	(NA)	(NA)	16,600
1998	105	(NA)	2,243	16,620
1999	100	(NA)	2,404	18,102

NA Not available.

Source: Hawaii State Department of Land and Natural Resources, Aquaculture Development Program (1970-1997), records and Hawaii State Department of Agriculture, Hawaii Agricultural Statistics Services (1998-1999), records.

**Table 19.22-- AQUACULTURE OPERATIONS, ACREAGE, PRODUCTION,
AND VALUE, BY COUNTIES: 1998 AND 1999**

Subject	State total	Hawaii	Maui	Honolulu	Kauai
1998					
Number of operations	105	44	12	46	3
Production (1,000 lb.)	2,243.0	(D)	(D)	(D)	(D)
Shellfish	700.4	458.3	(D)	(D)	(D)
Finfish	218.0	44.8	(D)	130.5	(D)
Algae	1,324.7	(D)	(D)	(D)	(D)
Value (\$1,000)	16,619.8	13,382.6	(D)	2,099.6	(D)
Shellfish	4,959.9	3,647.5	(D)	1,013.4	0.0
Finfish	958.0	(D)	(D)	(D)	(D)
Algae	8,294.9	(D)	(D)	(D)	0.0
Other 1/	2,406.9	1,476.5	(D)	279.5	(D)
1999					
Number of operations	100	42	10	44	(D)
Production (1,000 lb.)	2,404.0	1,583.0	(D)	(D)	(D)
Shellfish	996.0	475.0	(D)	222.0	(D)
Finfish	215.0	86.0	(D)	114.0	(D)
Algae	1,193.0	1,022.0	(D)	(D)	(D)
Value (\$1,000)	18,102.0	13,377.0	(D)	(D)	(D)
Shellfish	6,393.0	3,513.0	(D)	1,370.0	(D)
Finfish	1,010.0	562.0	(D)	408.0	(D)
Algae	7,883.0	7,573.0	(D)	(D)	(D)
Other 1/	2,816.0	1,829.0	(D)	241.0	(D)

D Not shown to avoid disclosure of individual operations, but combined and included in the state total.

1/ Nonfood products: ornamental fish, seedstock, other.

Source: Hawaii State Department of Agriculture, Hawaii Agricultural Statistics Service, records.

Section 20

FORESTRY, FISHERIES, AND MINING

This section presents data on forests and forest reserves, commercial fishing and fish populations, and mining and mineral products.

Important sources of data on these subjects are *the United States Census of Mineral Industries* and *Mineral Industry Surveys*, U.S. Census Bureau, *1997 Economic Census, Geographic Area Series*, Mining, and reports and records of the Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources and Division of Forestry and Wildlife. *Historical Statistics of Hawaii*, Section 14, summarizes the data for earlier periods. Comparable national statistics are reported in the *Statistical Abstract of the United States: 2000*, Sections 24 and 25.

**Table 20.01-- FOREST AND NATURAL AREA ACREAGE, BY ISLANDS:
JUNE 30, 2000**

Island	Conservation district forest land		Natural areas 3/	
	Forest reserve land 1/	Private forest land 2/	Number of areas	Acres
2000				
State total	643,134	328,742	19	109,164
Hawaii	438,416	106,745	8	82,535
Maui	73,227	53,180	4	17,123
Kahoolawe	-	-	-	-
Lanai	-	6,150	-	-
Molokai	16,030	-	2	2,950
Oahu	32,462	88,817	3	1,770
Kauai	82,999	73,850	2	4,786
Niihau	-	-	-	-

Note: data has remain constant since 1996.

1/ State-owned and privately-owned lands under surrender agreement in forest reserve system.

2/ Private forest land within conservation district. The majority of these lands were previously in the forest reserve system.

3/ Includes Waimanu Research Reserve (3,600 acres) and Alakai Wilderness Preserve (9,939 acres).

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

Table 20.02-- WOODLAND ON FARMS, 1987 TO 1997, AND BY COUNTIES, 1997

[Acres]

Use	1987	1992	1997				
			State total	Hawaii	Maui	Honolulu	Kauai
Total	99,135	109,391	108,704	75,821	(D)	209	(D)
Pastured	27,517	40,909	31,844	14,645	(D)	-	(D)
Not pastured	71,618	68,482	76,860	61,176	(D)	20	(D)

D Withheld to avoid disclosing data for individual farms.

Source: U.S. Bureau of the Census, *1997 Census of Agriculture, Hawaii*, AC97-A-11 (March 1999), pp. 19 and 158.

**Table 20.03-- FOREST AND BRUSHLAND FIRES, BY COUNTIES:
1998 TO 2000**

[Years ended June 30]

County	Number of Fires			Acres burned		
	1998	1999	2000	1998	1999	2000
State total	145	161	107	15,756	22,051	22,483
Hawaii	80	64	71	14,059	2,551	21,031
Maui	38	63	11	863	17,743	319
Honolulu	20	15	12	833	1,615	1,100
Kauai	7	19	13	1	142	33

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

**Table 20.04-- FOREST AND BRUSHLAND FIRES, BY CAUSE OF FIRE:
1998 TO 2000**

County	Number of Fires			Acres burned		
	1998	1999	2000	1998	1999	2000
State total	205	132	125	37,314.8	20,375.8	2,931.3
Lighting	0	1	1	0.0	20.0	2.0
Campfire	9	3	3	0.9	1.6	0.3
Smoking	16	5	13	2,258.7	83.7	9.7
Debris burning	28	14	22	81.6	290.9	241.7
Arson	49	25	18	3,291.5	14,173.9	74.1
Equipment	16	8	11	847.8	572.3	2,197.6
Railroads	0	0	0	0.0	0.0	0.0
Children	11	4	13	2,473.7	7.4	12.7
Miscellaneous	76	72	44	28,360.6	5,226.0	393.2

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

Table 20.05-- COMMERCIAL FISHING: 1989 TO 2000

[Years ended June 30]

Year	Number of commercial fishermen	Commercial fish catch 1/		
		Pounds landed	Pounds sold	Value to primary producers (dollars)
1989	3,491	14,008,279	13,524,731	29,815,290
1990	3,551	16,663,945	16,090,478	39,902,182
1991	4,043	22,218,099	21,331,184	53,769,946
1992	3,800	23,578,601	22,761,039	55,381,574
1993	3,836	25,209,513	24,562,796	61,059,027
1994	4,060	24,028,693	23,310,535	57,999,092
1995	3,827	23,970,722	22,945,408	55,283,593
1996	3,672	23,968,916	23,018,189	52,443,466
1997	3,632	25,319,795	24,589,553	53,343,330
1998	3,648	26,191,724	25,264,158	55,854,728
1999 2/	3,796	26,874,045	25,845,545	54,848,585
2000	3,898	26,256,318	25,452,281	59,255,375

1/ Represents the total catches of all licensed commercial fishers. Includes both sea and pond catches.

2/ Revised.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings for Fiscal Year* (annual), as revised, and records.

Table 20.06-- COMMERCIAL FISH CATCH, BY SPECIES: 1999

[Revised from previous year databook. Year ended June 30, 1999]

Species	Pounds caught	Pounds sold	Value (dollars)
Total catch	26,874,045	25,845,545	54,848,585
Sea catch, all species	26,867,568	25,839,068	54,833,480
Tunas	13,718,933	13,371,793	29,881,599
Aku (Skipjack)	1,546,783	1,423,949	1,770,720
Tombo	2,653,788	2,633,241	3,292,101
Bigeye (ahi)	5,671,155	5,632,985	16,855,542
Yellowfin (ahi)	3,821,438	3,661,370	7,880,328
Billfishes	6,834,227	6,691,208	12,662,924
Blue marlin	1,045,393	965,238	1,028,044
Shortnose spearfish	572,895	536,969	493,910
Striped marlin	1,116,049	1,092,028	1,212,612
Swordfish	4,066,974	4,065,180	9,900,017
Miscellaneous pelagic species	3,159,937	3,001,132	5,024,004
Mahimahi	946,238	869,345	1,956,632
Monchong	320,013	318,894	386,135
Ono	865,707	791,242	1,565,807
Opah	997,643	996,842	1,090,258
Deep bottom fishes	678,221	622,487	2,128,422
Ehu	35,622	32,389	117,247
Hapuupuu	84,890	81,630	211,765
Opakapaka	189,855	180,256	797,089
Uku	121,315	114,378	280,991
Ulaula (onaga)	125,549	117,982	563,109
Akule/opelu	1,337,115	1,230,534	1,902,237
Akule	1,075,746	983,486	1,471,622
Opelu	248,455	235,169	412,266
Jacks	96,724	84,818	136,142
Inshore fishes	325,769	302,194	644,299
Sharks	296,205	148,931	176,018
Sharks (unclassified)	184,306	59,636	87,919
Lobsters	105,153	102,651	1,032,129
Spiny	52,828	50,509	629,032
Slipper	52,325	52,142	403,097
Crabs	47,949	43,058	171,335
Shrimps	215,900	200,301	846,321
Laevigatus	214,590	199,043	842,374
Seaweeds	5,578	4,584	23,369
Miscellaneous	45,857	35,377	204,680
Pond landings, all species	6,477	6,477	15,106

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 1999* and records.

Table 20.07-- COMMERCIAL FISH CATCH, BY SPECIES: 2000

[Year ended June 30, 2000]

Species	Pounds caught	Pounds sold	Value (dollars)
Total catch	26,256,318	25,452,281	59,255,375
Sea catch, all species	26,254,922	25,451,074	59,249,924
Tunas	13,983,335	13,746,487	32,838,328
Aku (Skipjack)	1,408,402	1,328,567	1,833,792
Tombo	2,965,374	2,953,955	3,340,404
Bigeye (ahi)	5,623,768	5,595,201	18,741,644
Yellowfin (ahi)	3,961,887	3,847,725	8,825,312
Billfishes	6,119,277	5,978,757	13,483,575
Blue marlin	990,169	888,193	988,862
Shortnose spearfish	364,349	349,317	398,664
Striped marlin	674,234	660,389	1,072,513
Swordfish	4,068,017	4,060,760	10,998,346
Miscellaneous pelagic species	3,203,567	3,052,117	5,976,843
Mahimahi	1,392,062	1,304,160	2,855,314
Monchong	218,636	218,082	406,899
Ono	681,668	620,564	1,485,709
Opah	851,195	851,016	1,131,741
Deep bottom fishes	775,820	707,645	2,685,295
Ehu	44,291	41,230	157,696
Hapuupuu	54,793	51,809	174,941
Opakapaka	229,426	216,112	953,832
Uku	127,363	120,377	323,613
Ulaula (onaga)	192,033	182,480	900,512
Akule/opelu	1,473,879	1,363,984	2,120,025
Akule	1,166,081	1,082,771	1,622,021
Opelu	254,765	244,061	439,877
Jacks	64,287	52,818	106,586
Inshore fishes	277,715	260,402	550,153
Sharks	173,044	130,999	254,538
Lobsters	74,741	73,628	852,170
Spiny	34,007	32,966	479,501
Slipper	40,734	40,662	372,669
Crabs	31,209	26,078	105,697
Shrimps	16,301	7,916	53,261
Seaweeds	8,492	7,777	25,866
Miscellaneous	53,255	42,466	197,587
Pond landings, all species	1,396	1,207	5,452

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 2000* and records.

Table 20.08-- COMMERCIAL SEA LANDINGS, BY ISLANDS: 1999 AND 2000

[Years ended June 30]

Island	Pounds landed	Pounds sold	Value (dollars)
1999 1/			
State total	26,867,568	25,839,068	54,833,480
Hawaii	3,604,377	3,359,220	5,927,819
Maui	674,377	513,133	1,399,673
Lanai	21,316	14,932	31,300
Molokai	39,668	34,510	127,493
Oahu	21,732,979	21,231,579	45,890,368
Kauai and Niihau	794,851	685,694	1,456,827
2000			
State total	26,254,922	25,451,074	59,249,924
Hawaii	3,852,202	3,653,913	6,746,191
Maui	579,026	452,306	1,370,315
Lanai	18,044	12,963	31,543
Molokai	48,311	36,944	124,789
Oahu	20,892,782	20,537,700	49,155,833
Kauai and Niihau	864,557	757,248	1,821,253

1/ Revised.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, records.

**Table 20.09-- COMMERCIAL SEA LANDINGS, BY FISHING METHOD:
1999 AND 2000**

[Years ended June 30]

Fishing method	Pounds landed	Pounds sold	Value (dollars)
1999 1/			
All methods	26,867,568	25,839,068	54,833,480
Aku pole and line	1,057,817	1,054,768	1,283,866
Longline	17,495,119	17,378,694	37,819,974
Handline	3,771,671	3,509,250	7,284,394
Trolling	2,834,173	2,325,528	4,375,530
Net	1,207,408	1,101,995	1,671,363
Trap	398,943	380,814	2,002,153
All other methods	102,437	88,019	396,200
2000			
All methods	26,254,922	25,451,074	59,249,924
Aku pole and line	1,012,727	1,011,869	1,410,257
Longline	16,369,922	16,309,366	40,347,245
Handline	4,544,518	4,357,277	9,572,029
Trolling	2,786,066	2,354,122	4,819,316
Net	1,279,849	1,184,464	1,764,228
Trap	147,371	138,345	919,996
All other methods	114,469	95,631	416,852

1/ Revised.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 1999-2000* and records.

**Table 20.10-- FISH POPULATIONS AROUND SELECTED SHORELINE
AREAS: YEAR ENDED JUNE 30, 2000**

Location	Species	Fish per acre	Pounds per acre
Marine Life Conservation Districts:			
Hanauma Bay, Oahu:			
Inshore	64	3,464	1,364
Offshore	86	4,755	566
Pupukea, Oahu	96	2,488	228
Waikiki, Oahu	45	2,851	328
Molokini Shoal, Maui	57	5,276	570
Honolua-Mokuleia Bay, Maui	41	7,961	1,043
Manele-Hulopoe Bays, Lanai	55	6,608	450
Artificial reefs:			
Maunalua Bay Tire Reef, Oahu	49	3,700	386
Maunalua Bay "Cee Bee 24 Barge," Oahu	54	3,539	839
Maunalua Bay "Mud Scow Barge," Oahu	38	5,429	427
Maunalua Bay "Keehi Barge," Oahu	22	3,247	268
Waianae "Z-Slabs," Oahu	65	4,586	911
Waianae "Landing Craft," Oahu	65	4,586	911
Keawakapu Tire Reef, Maui	(NA)	7,102	1,053
Fisheries Management Areas:			
Waikiki-Diamond Head, Oahu 1/	59	1,218	166
Waikiki-Diamond Head, Oahu 2/	54	936	85

NA Not available.

1/ Survey taken on December 30, 1999, prior to the open fishing period.

2/ Survey taken on June 8, 2000, during the open fishing period.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Statewide Marine Research and Surveys, Survey of Fish and Habitat, July 1, 1999 to June 30, 2000.*

Table 20.11-- MOST ABUNDANT AND HEAVIEST FISH SPECIES AT SPECIFIED LOCATIONS: YEAR ENDED JUNE 30, 2000

[Three leading species at each location, based on both individuals per acre and pounds per acre]

Location and species	Individuals per acre		Pounds per acre	
	Rank	Number	Rank	Number
Hanauma Bay MLCD (inshore):				
Manini (<i>Acanthurus triostegus</i>)	1	886	5	91
Saddle-back wrasse (<i>Thalassoma duperrey</i>)	2	327	10	27
Kole (<i>Ctenochaetus strigosus</i>)	3	199	8	33
Redlipped parrot (<i>Scarus rubroviolaceus</i>)	(1/)	(NA)	1	405
Mullet (<i>Mugil cephalus</i>)	(1/)	(NA)	2	142
Clown tang (<i>Naso lituratus</i>)	(1/)	(NA)	3	120
Waikiki MLCD:				
Manini (<i>Acanthurus triostegus</i>)	1	718	2	74
Saddle-back wrasse (<i>Thalassoma duperrey</i>)	2	397	4	19
Ohua/green wrasse (<i>Stethojulis balteata</i>)	3	381	6	10
Kala (<i>Naso unicornis</i>)	8	97	1	121
Maiii/lavender tang (<i>Acanthurus nigrofuscus</i>)	6	177	3	22
Honolua-Mokuleia Bay MLCD:				
Saddle-back wrasse (<i>Thalassoma duperrey</i>)	1	2,185	5	92
Maiii/lavender tang (<i>Acanthurus nigrofuscus</i>)	2	1,861	4	135
Kole (<i>Ctenochaetus strigosus</i>)	3	809	6	58
Kala (<i>Naso unicornis</i>)	6	202	1	225
Clown tang (<i>Naso lituratus</i>)	9	172	2	217
Nenu (<i>Kyphosus</i> sp.)	4	607	3	136

NA Not available.

MLCD Marine Life Conservation District.

1/ Not in first 10.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Statewide Marine Research and Surveys, Survey of Fish and Habitat, July 1, 1999 to June 30, 2000.*

Table 20.12-- MINERAL INDUSTRIES: 1972 TO 1997

Subject	1972	1977	1982	1987	1992	1997
Number of establishments	15	7	12	9	7	7
With 20 employees or more	5	2	4	4	4	2
All employees:						
Number (1,000)	.3	.1	.2	.2	.2	.1
Payroll (million dollars)	2.4	1.9	3.8	7.4	9.4	5.6
Production, development, and exploration workers:						
Number (1,000)	.2	.1	.1	.2	.2	.1
Hours (millions)	.4	.2	.2	.4	.4	.2
Wages (million dollars)	1.8	1.5	2.6	5.7	8.1	4.7
Value added by mining (million dollars)	9.0	8.1	9.7	23.5	27.3	22.0
Cost of supplies used, purchased machinery installed, etc. (million dollars)	4.1	2.9	5.9	10.4	11.3	(D)
Value of shipments and receipts (million dollars)	11.0	9.7	12.8	31.1	33.7	33.3
Capital expenditures (million dollars)	2.0	1.3	2.7	2.8	4.8	(D)

D Withheld to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, *1987 Census of Mineral Industries, Geographic Area Series, Pacific States*, MIC87-A-9 (October 1990), Hawaii table 1; *1992 Census of Mineral Industries, Geographic Area Series, Pacific States*, MIC92-A-9 (May 1996), Hawaii table 1; *1997 Economic Census, Mining, Geographic Area Series, Hawaii*, EC97N21A-HI (May 2000), table 1.

Table 20.13-- NONFUEL MINERAL PRODUCTION: 1997 TO 1999

[Estimated production as measured by mine shipments, sales, or marketable production, including consumption by producers, Data are rounded to three significant digits; may not add to totals shown]

Minerals	1997	1998 1/	1999 2/
QUANTITY (1,000 METRIC TONS)			
Cement:			
Masonry	3	3	3
Portland	252	251	257
Gemstones	(NA)	(NA)	(NA)
Sand and gravel (construction)	378	368	400
Stone (crushed)	5,560	5,500	5,700
VALUE (\$1,000)			
Total	93,700	84,500	88,800
Cement:			
Masonry 3/	332	329	300
Portland 3/	29,600	25,600	26,000
Gemstones	66	77	105
Sand and gravel (construction)	4,210	4,590	5,090
Stone (crushed)	59,500	53,900	57,300

NA Not available.

1/ Revised.

2/ Preliminary.

3/ For 1997 to 1999, data have been estimated.

Source: U.S. Geological Survey, Bureau of Mines, "The *Mineral Industry of Hawaii*" from internet address <http://minerals.er.usgs.gov/minerals/pubs/state/hi.html>.

Section 21

CONSTRUCTION AND HOUSING

This section presents statistics on construction activity and costs, the size and composition of the housing inventory, occupancy of housing units and office buildings, home sales, and residential financing. Related series are included in Sections 6 (land use) and 14 (prices).

The principal sources for these data are the U.S. Census Bureau, various series compiled by state and county agencies (primarily the Hawaii State Department of Business, Economic Development & Tourism; Hawaii State Department of Commerce and Consumer Affairs; Hawaii State Department of Taxation; the Housing and Community Development Corporation of Hawaii; the Hawaii Bureau of Conveyances; and the four county building departments) and local real estate companies. Persons interested in figures for earlier periods should consult *Historical Statistics of Hawaii*, Section 15. National statistics appear in Section 25 of the *Statistical Abstract of the United States: 2000*.

**Table 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTIES:
1996 TO 2000**

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
NUMBER ISSUED					
1996	16,062	10,859	2,612	931	1,660
1997	16,444	11,140	2,514	1,040	1,750
1998	16,058	10,677	2,639	972	1,770
1999	17,381	11,449	2,850	1,199	1,883
2000	1/ 19,070	12,443	3,254	1/ 1,079	2,294
ESTIMATED VALUE (\$1,000)					
1996	1,117,760	698,697	171,017	101,981	146,065
1997	1,179,182	772,825	155,776	97,807	152,773
1998	1,054,281	624,226	178,220	88,196	163,638
1999	1,320,218	706,358	243,852	140,846	229,162
2000	1/ 1,512,601	694,223	321,704	1/ 141,313	355,360

1/ Kauai County data for November consisted of residential data only.

Source: Calculated by Hawaii State Department of Business, Economic Development & Tourism from Monthly Cooperative Report of Local Construction submitted to F.W. Dodge Division, McGraw-Hill Information Systems Company by each county.

**Table 21.02-- VALUE OF BUILDING PERMITS, BY TYPE, BY COUNTIES:
1998 TO 2000**

[In thousands of dollars]

Category	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1998					
Total	1,054,281	624,226	178,220	88,196	163,638
Residential	485,504	222,054	121,452	50,707	91,291
Hotel	4,935	-	-	-	4,935
Non-residential	200,690	132,362	20,744	14,851	32,733
Additions and alterations	363,152	269,810	36,024	22,637	34,680
1999					
Total	1,320,218	706,358	243,852	140,846	229,162
Residential	628,778	241,989	181,203	81,955	123,632
Hotel	50,700	50,700	-	-	-
Non-residential	255,477	152,084	27,485	15,420	60,488
Additions and alterations	385,263	261,585	35,164	43,471	45,042
2000					
Total	1/ 1,512,601	694,223	321,704	1/ 141,313	355,360
Residential	800,148	274,298	232,361	97,180	196,310
Hotel	13,630	800	-	-	12,830
Non-residential	232,582	99,703	53,489	17,065	62,325
Additions and alterations	466,240	319,423	35,855	27,068	83,894

1/ Kauai County data for November consisted of residential data only.

Source: Calculated by Hawaii State Department of Business, Economic Development & Tourism from *Monthly Cooperative Report of Local Construction* submitted to F.W. Dodge Division, McGraw-Hill Information Systems Company by each county.

Table 21.03-- ACCEPTED VALUE PER HOUSING UNIT, BY TYPE OF STRUCTURE, FOR BUILDING PERMITS ISSUED BY THE CITY AND COUNTY OF HONOLULU: 1995 TO 2000

[In dollars. Excludes building permits for additions, alterations and repair. "Estimated value" which was used in previous *Data Book* tables is the same as "accepted value" used in this table. "Accepted value" is the cost of construction for which building permits are issued]

Type of structure	1995	1996	1997	1998	1999	2000
One-family	135,304	149,807	151,064	151,049	157,762	160,503
Two-family	140,721	139,824	141,816	152,019	140,481	84,598
Multi-family	92,092	100,344	123,611	75,343	79,813	64,729

Source: City and County of Honolulu Department of Buildings, *Summary of Building Permits 1995 through 1999* and *Monthly Bulletin-Building Permits, Building Permits Issued from January 1, 2000 to December 31, 2000* (January 3, 2001).

Table 21.04-- GENERAL EXCISE TAX BASE FOR CONTRACTING: 1990 TO 2000

[In thousands of dollars. Data are on a cash basis accounting]

Year 1/	Amount	Year 1/	Amount	Year 1/	Amount
1990	4,003,650	1994	3,322,339	1998	3,015,977
1991	4,334,051	1995	3,133,510	1999	2,991,201
1992	4,012,688	1996	3,285,106	2000	3,613,485
1993	3,803,605	1997	2,944,427		

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to income received in the 12-month period ended November 30.

Source: Hawaii State Department of Taxation, *General Excise and Use Tax Base* (annual).

**Table 21.05-- GENERAL CONSTRUCTION STATISTICS FOR
ESTABLISHMENTS WITH PAYROLL: 1997**

[Excludes establishments without payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in earlier Economic Censuses. Less than half of the industries in the construction sector of NAICS have comparable industries in the SIC system. Therefore, comparability between the 1992 and the 1997 data is difficult]

Measure	Amount
Number of establishments	2,335
Number of proprietors and working partners 1/	748
Number of employees:	
Total	21,791
Construction workers	15,195
January to March	15,183
April to June	14,946
July to September	15,447
October to December	15,204
Payroll (\$1,000):	
All employees	845,169
Construction workers	551,358
Value of construction work (\$1,000) 2/	3,902,053
Value of construction work on government owned projects	1,415,032
Value of construction work on privately owned projects	520,473
Net value of construction work (\$1,000)	2,769,537
Value added (\$1,000)	1,801,322
Cost of materials, components, supplies, and fuels (\$1,000)	1,052,870
Cost of construction work subcontracted out to others (\$1,000)	1,132,516
Rental cost of machinery, equipment, and buildings (\$1,000)	65,356
Capital expenditures, other than land (\$1,000)	48,623
End-of-year gross book value of depreciable assets (\$1,000)	654,661

1/ Data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners.

2/ Includes subgroups not shown separately.

Source: U.S. Census Bureau, *1997 Economic Census, Geographic Area Series, Construction, Hawaii*, EC97C23A-HI (March 2000), Table 1,2 and 3, at <http://www.census.gov/prod/ec97/97c23-hi.pdf>.

Table 21.06-- CHARACTERISTICS OF THE CONSTRUCTION INDUSTRIES: 1997

[Excludes establishments without payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in earlier Economic Censuses. Less than half of the industries in the construction sector of NAICS have comparable industries in the SIC system. Therefore, comparability between the 1992 and the 1997 data is difficult]

NAICS code	Kind of business	Estab-lish-ments	No. of employees		Payroll (\$1,000)		Value of construct-ion work (\$1,000)
			All	Con-struction workers	All employ-ees	Con-struction workers	
23	Total	2,335	21,791	15,195	845,169	551,358	3,902,053
233	Building, development, & general contracting	813	(D)	(D)	(D)	162,708	2,049,401
2331	Land subdivision & land development	54	637	170	22,942	4,481	140,644
2332	Residential building construction	543	3,224	2,102	101,494	53,851	645,185
23321	Single-family housing construction	510	3,028	1,979	94,250	50,354	(S)
23322	Multifamily housing construction	33	196	123	7,243	3,497	52,695
2333	Nonresidential building construction	216	(D)	(D)	(D)	104,376	1,263,572
234	Heavy construction 1/	142	(D)	(D)	(D)	75,721	467,460
2341	Highway, street, bridge & tunnel construct.	52	1,041	(D)	(D)	(D)	(D)
235	Special trade contractors	1,380	11,654	8,689	433,718	312,929	1,385,192
2351	Plumbing, heating, & air-conditioning contractors	243	1,976	1,337	78,869	53,728	262,209
2352	Painting & wall covering contractors	166	1,262	986	47,794	33,441	112,265
2353	Electrical contractors	269	2,172	1,663	87,945	66,572	282,201
2354	Masonry, drywall, insulation, & tile contractors	211	1,767	1,453	62,777	50,612	179,307
2355	Carpentry & floor contractors	121	897	640	31,790	22,502	126,589
2356	Roofing, siding, & sheet metal contractors	128	1,119	806	32,613	20,317	140,447
2357	Concrete contractors	44	449	345	15,410	10,598	45,635
2358	Water well drilling contractors	10	36	21	1,212	709	4,153
2359	Other special trade contractors	188	1,976	1,437	75,307	54,449	232,386

D Withheld to avoid disclosing data of individual companies.

S Withheld because estimates did not meet publication standards.

1/ Includes subgroups not shown separately.

Source: U.S. Census Bureau, *1997 Economic Census, Geographic Area Series, Construction: Hawaii*, EC97C23A-HI (March 2000), Table 1, at <http://www.census.gov/prod/ec97/97c23-hi.pdf>.

**Table 21.07-- PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION
AUTHORIZED BY PERMITS, BY COUNTIES: 1995 TO 2000**

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai 1/ Maui	
New 1-family dwellings:						
1995	3,831	2,090	1,741	908	312	521
1996	2,736	1,125	1,611	700	303	608
1997	2,648	1,141	1,507	649	284	574
1998	2,825	1,238	1,587	773	251	563
1999	3,395	1,442	1,953	1,044	259	650
2000	4,049	1,674	2,375	1,260	273	842
New duplex units:						
1995	112	64	48	10	21	17
1996	48	34	14	6	1	7
1997	43	38	5	4	-	1
1998	98	54	44	20	2	22
1999	56	27	29	6	2	21
2000	143	100	43	20	4	19
New apartments:						
1995	2,570	2,390	180	80	87	13
1996	1,093	997	96	63	17	16
1997	960	856	104	65	15	24
1998	555	496	59	52	1	6
1999	839	570	269	221	28	20
2000	622	253	369	327	2	40
Units demolished: 2/						
1995	1,161	855	306	66	172	68
1996	594	346	248	41	98	109
1997	484	392	92	35	17	40
1998	557	439	118	46	30	42
1999	505	338	167	60	21	86
2000	598	487	111	41	33	37

1/ Kauai County figures for 1995 and 1996 include all permits previously processed through the FEMA's Office of Emergency Permitting which dealt with Hurricane Iniki damage. The FEMA office closed on June 15, 1995.

2/ All county figures, except for Maui County, exclude units destroyed by fire, volcanic activity, high winds, and other disasters.

Source: Compiled from county building departments by the Hawaii State Department of Business, Economic Development & Tourism.

Table 21.08-- HONOLULU CONSTRUCTION COST INDEXES: 1990 TO 2000

[January 1992=100. Data are annual averages. Reindexed in 1992]

Year	Single-family residence			High-rise building		
	All components	Materials' prices	Labor 1/	All components	Materials' prices	Labor 1/
1990	95.1	96.2	93.9	95.4	98.0	92.9
1991	98.4	99.5	97.2	99.2	101.6	97.1
1992	102.7	103.8	101.4	99.4	97.1	101.5
1993	111.5	116.0	106.2	103.9	100.7	106.8
1994	121.2	129.4	111.7	109.9	107.0	112.5
1995	118.2	119.9	116.1	114.1	110.8	117.1
1996	125.5	129.1	121.3	116.9	110.9	122.1
1997 2/	129.3	132.7	125.3	119.3	111.8	126.0
1998 2/	129.0	131.4	126.5	119.4	111.4	127.4
1999 2/	129.8	(NA)	(NA)	3/ 121.1	111.4	131.3
2000 2/	135.2	(NA)	(NA)	126.6	(NA)	(NA)

NA Not available.

1/ Wages and benefits.

2/ Preliminary.

3/ Revised preliminary.

Source: First Hawaiian Bank, Research Department, records; Hawaii State Department of Business, Economic Development & Tourism, records.

Table 21.09-- CONDOMINIUM ASSOCIATIONS AND APARTMENTS REGISTERED: FISCAL YEARS 1991 TO 2000

[Biennial registration was started in June 1997]

Fiscal year	Associations registered	Apartments represented	Fiscal year	Associations registered	Apartments represented
1991	809	74,916	1996 1/	1,249	107,580
1992	968	87,127	1997	1,277	106,052
1993	1,049	91,424	1998 2/	1,339	112,832
1994	1,114	95,827	1999	1,361	114,449
1995 1/	1,171	101,628	2000	1,389	117,298

1/ Revised.

2/ The first biennial registration, for the July 1, 1997 through June 30, 1999 biennium, was due on June 30, 1997. As a result, registrations were received in both the 1997 and 1998 fiscal years. The numbers reported here show the number of associations and apartments that registered for the biennium and include registrations received during each fiscal year.

Source: Hawaii Real Estate Commission, *2000 Annual Report*, p. 20.

Table 21.10-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE OF HAWAII: 1996 TO 2000

[Fiscal years ended June 30]

Subject	1996	1997	1998	1999	2000
Projects	1/ 188	1/ 201	226	211	225
Individual units	1/ 2,150	1/ 2,765	1/ 2,025	2,363	1,693

1/ Revised.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Commission, records.

**Table 21.11-- NEW CONDOMINIUM PROJECTS, BY TYPE:
FISCAL YEARS 1996 TO 2000**

[In mixed use condominium projects, the predominant use is reported. This is done to prevent the multiple counting of a project filing]

Type of project	1996	1997	1998	1999	2000
All types	1/ 84	92	117	85	109
Residential	2/ 41	40	84	47	64
2 units or fewer	17	13	52	13	17
3 to 15 units	6	13	19	18	26
16 to 50 units	7	8	10	11	17
More than 50 units	11	6	3	5	4
Commercial and other	16	25	5	11	18
Agricultural	27	27	28	27	27

1/ Revised.

2/ Revised due in part to the change in data base reporting.

Source: Hawaii Real Estate Commission, *2000 Annual Report*, pp. 18 and 20.

**Table 21.12-- HOUSING UNITS CONVERTED FROM RENTAL UNITS TO
CONDOMINIUM UNITS: 1996 TO 2000**

[Fiscal years ended June 30]

Subject	1996	1997	1998	1999	2000
Projects	1/ 74	1/ 66	1/ 54	73	55
Housing units	1/ 386	1/ 981	1/ 665	368	342

1/ Revised.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Commission, records.

Table 21.13-- TIME-SHARE PROPERTIES AND UNITS, BY ISLANDS: 2000

Subject	State total	Hawaii	Kauai	Maui	Oahu	Molokai
Properties	68	12	18	27	10	1
Registered units 1/	4,276	819	1,539	973	938	7
Operated units 2/	3,825	819	1,521	829	649	7

1/ Number of units registered which have been designated for sale as timeshare. This includes units not yet available for sale, currently available for sale or have already been sold.

2/ Number of units operated which have been sold or are available for sale as timeshare.

Source: Hawaii Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, *2000 Visitor Plant Inventory*, pp. 62-63.

**Table 21.14-- NUMBER OF TAXPAYERS CLAIMING HOME EXEMPTIONS:
1995 TO 2000**

[As of January 1. Based on number of taxpayers claiming home exemptions]

Tenure and county	1995	1996	1997	1998	1999	2000
TOTAL OWNER-OCCUPIED						
State total	180,990	184,662	185,208	188,570	189,954	189,756
Honolulu	127,496	129,542	128,489	130,823	130,959	129,506
Maui	17,960	18,449	18,903	19,166	19,537	19,951
Hawaii	25,783	26,899	27,912	28,536	29,293	29,966
Kauai	9,751	9,772	9,904	10,045	10,165	10,333
FEE SIMPLE						
State total	166,953	171,767	173,237	176,973	178,933	179,344
Honolulu	115,217	118,304	118,157	120,843	121,560	120,748
Maui	17,242	17,695	18,161	18,437	18,828	19,226
Hawaii	25,131	26,250	27,260	27,881	28,615	29,254
Kauai	9,363	9,518	9,659	9,812	9,930	10,116
LEASEHOLD						
State total	14,037	12,895	11,971	11,597	11,021	10,412
Honolulu	12,279	11,238	10,332	9,980	9,399	8,758
Maui	718	754	742	729	709	725
Hawaii	652	649	652	655	678	712
Kauai	388	254	245	233	235	217

Source: City and County of Honolulu, Budget and Fiscal Services Department, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, State of Hawaii* (annual).

Table 21.15-- SELECTED HOUSING CHARACTERISTICS, BY COUNTIES: 2000

[Data include some condominium units used or intended for use by transients]

Subject	State total	Honolulu	Hawaii	Kauai	Maui 1/
All housing units	460,542	315,988	62,674	25,331	56,549
Occupied housing units	403,240	286,450	52,985	20,183	43,622
Owner-occupied housing units	227,888	156,290	34,175	12,384	25,039
Renter-occupied housing units	175,352	130,160	18,810	7,799	18,583
Average household size	2.92	2.95	2.75	2.87	2.91
Owner-occupied housing units	3.07	3.13	2.79	3.01	3.13
Renter-occupied housing units	2.71	2.74	2.69	2.63	2.61
Vacant housing units	57,302	29,538	9,689	5,148	12,927
For rent	15,699	12,203	1,556	504	1,436
For sale only	3,720	2,572	678	152	318
Rented or sold, not occupied	2,683	1,690	463	108	422
For seasonal, recreational, or occasional use	25,584	6,856	5,101	3,850	9,777
For migrant workers	57	17	21	14	5
Other vacant	9,559	6,200	1,870	520	969
Homeowner vacancy rate (percent)	1.6	1.6	1.9	1.2	1.3
Rental vacancy rate (percent)	8.2	8.6	7.6	6.1	7.2
Owner-occupied:					
Family households	178,918	124,021	25,634	9,765	19,498
Married-couple family	143,564	99,455	20,531	7,921	15,657
Other family	35,354	24,566	5,103	1,844	3,841
Nonfamily households	48,970	32,269	8,541	2,619	5,541
Renter-occupied:					
Family households	108,150	81,651	11,269	4,807	10,423
Married-couple family	72,513	56,740	6,297	2,960	6,516
Other family	35,637	24,911	4,972	1,847	3,907
Nonfamily household	67,202	48,509	7,541	2,992	8,160

1/ Includes Kalawao County (172 housing units), not shown separately.

Source: U.S. Census Bureau, Summary File 1 Hawaii (July 25, 2001).

**Table 21.16-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
1990, 1996, 1997 AND 1998**

Neighborhood Board 1/ (see maps on pp. 25-26)	1990	1996	1997	1998	Percent change 1990-1998
Oahu total 1/	281,683	309,549	311,209	312,220	10.8
1 Hawaii Kai	9,234	9,648	9,770	10,012	8.4
2 Kuliouou-Kalani Iki	5,175	5,435	5,489	5,481	5.9
3 Waiālae-Kahala	4,014	4,008	4,010	4,001	-0.3
4 Kaimuki	6,383	6,489	6,495	6,480	1.5
5 Diamond Head/Kapahulu/ St. Louis Heights	8,734	8,916	8,916	8,860	1.4
6 Palolo	4,208	4,236	4,236	4,227	0.5
7 Manoa	6,904	7,220	7,219	7,238	4.8
8 McCully/Moiliili	14,046	14,137	14,175	14,145	0.7
9 Waikiki	17,198	18,606	18,460	18,226	6.0
10 Makiki/Lower Punchbowl/ Tantalus	15,328	15,593	15,628	15,987	4.3
11 Ala Moana/Kakaako	6,779	8,797	8,791	9,122	34.6
12 Nuuanu/Punchbowl	5,982	6,104	6,109	6,107	2.1
13 Downtown	5,911	7,171	7,247	7,246	22.6
14 Liliha/Kapalama	6,838	6,930	6,934	6,928	1.3
15 Kalihi-Palama	11,107	11,001	10,993	10,989	-1.1
16 Kalihi Valley	4,146	4,131	4,130	4,121	-0.6
17 Moanalua	3,624	3,758	3,758	3,764	3.9
18 Aliamanu/Salt Lake/ Foster Village	12,217	12,933	12,936	13,090	7.1
19 Airport	5,996	6,235	6,271	6,271	4.6
20 Aiea	10,867	11,103	11,156	11,185	2.9
21 Pearl City	13,899	14,321	14,487	14,493	4.3
22 Waipahu	14,202	17,273	17,357	17,518	23.3
23 Ewa	11,691	19,419	19,875	20,014	71.2
24 Waiānae Coast	10,711	12,012	12,107	12,087	12.8
25 Mililani/Waipio/Melemanu	10,738	11,198	11,233	11,232	4.6
26 Wahiawa	11,268	15,717	15,901	15,902	41.1
27 North Shore	5,287	6,029	6,259	6,253	18.3
28 Koolauloa	4,422	4,493	4,593	4,594	3.9
29 Kahaluu	4,409	4,591	4,601	4,600	4.3
30 Kaneohe	12,452	13,205	13,212	13,205	6.0
31 Kailua	15,709	16,443	16,458	16,441	4.7
32 Waimanalo	2,204	2,397	2,403	2,401	8.9

1/ Mokapu/Kaneohe MCAS is included in the Kailua Neighborhood Board. Also, data are not listed separately for the Makakilo/Kapolei/Honokai Hale and the Mililani Mauka/Launani Valley Neighborhood Boards which were recently formed from other existing neighborhood board areas.

Source: City and County of Honolulu, Planning and Permitting Department, Planning Division, records.

Table 21.17-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTIES: 1990

[Data include some condominium units used or intended for use by transients]

Characteristic	State total 1/	Hawaii	Honolulu	Kauai	Maui
All housing units	389,810	48,253	281,683	17,613	42,160
Percent--					
Structure built 1980-1990	20.8	35.1	15.9	32.3	32.5
Structure built before 1940	6.7	10.8	5.8	10.2	6.5
Under 2 bedrooms	26.1	19.5	27.4	15.7	29.2
4 or more bedrooms	13.4	10.5	14.7	10.2	9.2
Condominium	20.8	8.1	23.5	5.1	23.8
Lacking complete plumbing	1.1	3.6	0.6	1.3	1.2
With public sewer	80.2	27.8	93.6	30.9	72.2
Lacking complete kitchen facilities	1.6	3.4	1.3	1.8	1.4
All occupied units	356,267	41,461	265,304	16,295	33,145
Percent with no telephone in unit	2.6	5.5	2.1	3.0	3.2
Owner-occupied units	191,894	25,336	137,893	9,582	19,083
Percent householder moved into unit--					
1989 to March 1990	9.7	11.1	9.2	9.6	10.9
Before 1970	29.1	24.0	30.7	27.8	25.2
With a mortgage	102,601	12,968	73,972	5,246	10,415
Median monthly costs (dollars)	1,008	669	1,121	828	933
Percent of household income	21.4	20.5	21.5	21.2	22.3
Not mortgaged	44,909	9,280	26,931	3,313	5,385
Median monthly costs (dollars)	170	130	185	152	160
Percent of household income	10.8	10.9	10.7	10.9	11.1
Renter-occupied units	164,373	16,125	127,411	6,713	14,062
Percent householder moved into unit--					
1989 to March 1990	38.9	42.2	38.1	34.9	44.8
Before 1970	4.1	4.5	4.0	6.9	3.6
Median gross rent (dollars)	650	490	663	618	722
Percent of household income	27.4	27.0	27.6	24.1	27.1

1/ Includes Kalawao County (101 housing units), not shown separately.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Summary Social, Economic, and Housing Characteristics, Hawaii*, 1990 CPH-5-13 (April 1992), tables 12, 14, and 16.

**Table 21.18--CHARACTERISTICS OF HOUSING UNITS, FOR THE STATE,
1997 AND 2000, AND COUNTIES, 2000**

Subject	The State		Counties, 2000 1/			
	1997	2000 1/	Hono- lulu	Maui	Hawaii	Kauai
Total households	376,574	412,852	291,761	45,212	55,063	20,816
Owner-occupied (percent)	57.9	58.3	55.8	65.3	71.7	54.8
Household income (median dollars)	39,883	45,618	47,847	43,570	35,770	42,639
Average monthly mortgage (dollars) 2/	1,319	1,374	1,491	1,326	980	1,185
Average monthly rent (dollars) 3/	897	930	977	903	684	766
Overcrowded 4/	10.2	6.9	7.0	8.1	5.7	5.8
Monthly shelter payment as percentage of income						
Under 30 percent	53.5	55.1	55.1	51.9	56.6	59.0
30 to 40 percent	18.5	18.3	18.3	20.0	17.7	15.7
Over 40 percent	19.1	26.6	26.6	28.2	25.7	25.3
Not enough information	8.9	0	0	0	0	0
Household type (percent) 5/						
Single member household	14.2	18.3	17.9	21.1	18.6	17.7
Married, no children	25.8	21.4	20.8	19.9	24.8	23.8
Parent(s) and children	27.6	37.4	37.7	36.1	35.8	39.2
Unrelated roommates	4.1	2.4	2.3	3.6	2.2	1.7
Multiple families	26.5	20.5	21.3	19.3	18.6	17.6
Undetermined	1.9	0	0	0	0	0

1/ Based on a telephone survey of 5,882 households in the counties of Honolulu, Hawaii, Maui and Kauai. Excluded persons residing on the island of Niihau, persons in institutionalized housing, shipboard and barracks populations, homeless persons and persons without telephone service.

2/ Excludes responses from households with paid-up mortgages.

3/ Excludes responses from those who occupied their units without payment of cash rent.

4/ Percent with 1.01 or more persons per room.

5/ Household type was measured differently in 1997 and 2000.

Source: *Hawaii Housing Policy Study Update, 2000*, based on data from the Hawaii Health Survey 2000, prepared for Housing Agencies of Hawaii by SMS (April 2001).

**Table 21.19-- VACANCY AND HOMEOWNERSHIP RATES, FOR THE STATE
AND HONOLULU MSA: 1990 TO 2000**

Year	Rental vacancy rate		Homeowner vacancy rate		Homeownership rate	
	State total	Honolulu MSA 1/	State total	Honolulu MSA 1/	State total	Honolulu MSA 1/
1990	6.6	3.8	0.8	0.7	55.5	52.9
1991	5.8	3.8	1.4	0.9	55.2	53.3
1992	5.8	3.4	2.5	0.9	53.8	52.6
1993 2/	6.8	3.9	3.0	1.3	52.8	51.9
1994	7.4	5.0	2.0	1.4	52.3	51.5
1995	6.3	5.4	2.0	1.8	50.2	49.1
1996	6.0	4.7	1.4	1.3	50.6	49.1
1997	7.1	6.4	1.6	1.3	50.2	48.5
1998	6.9	6.3	1.3	0.9	52.8	51.2
1999	7.6	7.6	1.8	1.2	56.6	56.0
2000	5.3	4.9	0.9	0.7	55.2	56.8
Standard error	0.8	0.9	0.3	0.3	1.1	1.3
U.S. 2000	8.0	3/ 7.7	1.6	3/ 1.4	67.4	3/ 65.5

1/ The Honolulu Metropolitan Statistical Area consists of the City and County of Honolulu.

2/ Revised dataset.

3/ Rate for all U.S. inside metropolitan areas.

Source: U.S. Census Bureau, "Housing Vacancies and Homeownership Annual Statistics: 2000," at <http://www.census.gov/hhes/www/housing/hvs/annual00/ann00ind.html>, accessed July 2, 2001.

**Table 21.20-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE
FOR THE METROPOLITAN HONOLULU OFFICE MARKET,
BY SUBMARKET: 1992 TO 2000**

[The Metropolitan Honolulu Office Market survey includes 111 multi-tenant Class A and Class B buildings with 20,000 square feet or more. Rates are percent of space reported vacant in survey]

Vacancy Rate 1/	1992	1993	1994	1995	1996	1997	1998	1999	2000
Downtown 2/	10.0	13.9	15.4	16.4	16.1	15.2	14.2	14.1	12.2
Suburban 3/	7.2	7.8	11.1	12.1	12.9	12.5	14.5	13.7	13.8

1/ The vacancy rates are for Class A and Class B buildings which were included in the survey. Class A buildings are those in excellent locations which have high-quality tenants, high-quality finish, are well-maintained, are professionally managed, and are usually new, or old buildings that are competitive with new buildings. Class B buildings are those in good locations that are professionally managed and have fairly high-quality construction and tenancy. Class B buildings generally show very little functional obsolescence and deterioration.

2/ Downtown is comprised of the Central Business District Submarket. Buildings surveyed in Downtown are 40,000 square feet and above.

3/ Suburban is comprised of eight submarkets: Kapiolani Corridor (Ala Moana, Kakaako, Kapiolani); Waikiki; East Oahu (Hawaii Kai to Kahala); East Central Oahu (Kaimuku to Kalihi); West Central Oahu (Mapunapuna to Pearl City); Leeward (Pearl City to Waipahu); West Oahu (Waipahu to Kapolei); and Windward (Kailua to Kaneohe). Buildings surveyed in the suburban market are 20,000 square feet and above.

Source: CB Richard Ellis Hawaii, Inc. records; Society of Industrial and Office Realtors & Landauer Real Estate Counselors, *1998 Comparative Statistics of Industrial and Office Real Estate Markets* (1998).

**Table 21.21-- HOUSING AND COMMUNITY DEVELOPMENT
CORPORATION OF HAWAII PUBLIC HOUSING OPERATIONS:
1998 TO 2000**

[Hawaii Housing Authority figures were displayed in earlier *Data Book* tables. Effective July 1, 1998, the Hawaii Housing Authority was consolidated with the Housing Finance and Development Corporation and is now named the Housing and Community Development Corporation of Hawaii]

Subject	1998	1999	2000
Total units owned by HCDCH, June 30	6,577	6,577	1/ 6,577
Occupied	6,095	5,985	5,726
Population in units, June 30	16,771	16,445	15,724
Per occupied unit	2.60	2.70	2.74
Operating revenues of HCDCH, fiscal year: 2/ Gross (\$1,000)	22,791	23,145	22,758
Net (\$1,000)	2,502	4,197	85
Operating revenues per unit per month, fiscal year (dollars) 2/	351	357	351
Rent charged per unit per month, fiscal year (dollars) 2/	199	184	197

1/ Federal low-rent, 5,407; State low-rent, 594; State elderly, 576.

2/ Federal projects only; revenue amounts include Federal subsidies.

Source: Hawaii State Department of Business, Economic Development & Tourism, Housing and Community Development Corporation of Hawaii, records.

Table 21.22-- REAL ESTATE LICENSES, ACTIVE AND INACTIVE, BY TYPE OF LICENSE AND LOCATION: MARCH 6, 2001

[Real estate licenses are subject to renewal on or before December 31 of each even-numbered year]

Type of license	Active	Inactive	Location	Active	Inactive
Total	8,906	3,988	Oahu	5,601	2,427
Broker:			Hawaii	1,161	411
			Maui	1,462	449
			Kauai	646	242
			Molokai	24	4
			Lanai	9	3
			U.S. mainland	3	421
			Foreign	-	31
Salesman	4,628	3,385			

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, records.

Table 21.23-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1990 TO 2000

[Data include single family, condominium/cooperative, vacant, multi-family, commercial/industrial, business opportunities]

Year	Number listed	Number sold	Percent sold	Average sales price (dollars)
1990	17,097	9,243	54.1	319,500
1991	15,280	5,682	37.2	299,599
1992	13,421	5,509	41.0	292,342
1993	13,124	5,371	40.9	297,149
1994	12,655	5,759	45.5	297,428
1995	12,834	4,060	31.6	307,617
1996	12,147	3,896	32.1	300,494
1997	11,868	4,313	36.3	281,785
1998	11,721	5,351	45.7	269,839
1999	11,173	6,381	57.1	265,009
2000	11,797	7,404	62.8	278,814

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.24-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, BY TYPE OF PROPERTY, FOR OAHU: 1998 TO 2000

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Mean	Median
1998					
Total	11,721	5,351	45.7	269,839	...
Single family	4,855	2,495	51.4	370,021	297,000
Condominium/cooperative	6,010	2,632	43.8	160,978	135,000
Vacant land	450	156	34.7	383,960	230,000
Multi-family	169	34	20.1	546,647	441,000
Commercial/industrial	130	23	17.7	787,011	450,000
Business opportunities	107	11	10.3	38,727	42,000
1999					
Total	11,173	6,381	57.1	265,009	...
Single family	4,653	2,853	61.3	377,497	290,000
Condominium/cooperative	5,606	3,298	58.8	157,418	125,000
Vacant land	498	172	34.5	406,961	235,000
Multi-family	187	33	17.6	503,394	395,000
Commercial/industrial	137	15	10.9	503,627	440,000
Business opportunities	92	10	10.9	69,600	60,000
2000					
Total	11,797	7,404	62.8	278,814	...
Single family	5,161	3,181	61.6	406,331	295,000
Condominium/cooperative	5,746	3,926	68.3	165,674	125,000
Vacant land	450	186	41.3	337,286	250,000
Multi-family	208	61	29.3	541,128	440,000
Commercial/industrial	133	30	22.6	728,383	454,000
Business opportunities	99	20	20.2	188,250	60,000

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

**Table 21.25-- MULTIPLE LISTING SERVICE SINGLE-FAMILY HOUSES SOLD,
BY SELLING PRICE RANGE, FOR OAHU: 1998 TO 2000**

Selling price range	1998	1999	2000
All properties	2,428	2,853	3,181
On leased land	67	62	71
Percent	2.8	2.2	2.2
Less than \$100,000	12	54	79
\$100,000 to \$149,999	69	138	155
\$150,000 to \$199,999	255	347	410
\$200,000 to \$249,999	447	478	516
\$250,000 to \$299,999	418	476	458
\$300,000 to \$349,999	314	351	377
\$350,000 to \$399,999	254	276	305
\$400,000 to \$449,999	139	163	200
\$450,000 to \$499,999	123	145	142
\$500,000 to \$549,999	79	83	83
\$550,000 to \$599,999	63	48	62
\$600,000 to \$649,999	44	51	62
\$650,000 to \$699,999	45	47	41
\$700,000 to \$799,999	43	64	72
\$800,000 to \$899,999	34	37	46
\$900,000 to \$999,999	19	16	36
\$1.0 to \$1.9 million	56	49	90
\$2.0 to \$2.9 million	8	17	24
\$3.0 to \$3.9 million	4	5	11
\$4.0 to \$4.9 million	2	4	2
\$5.0 million or more	-	4	10
Median value (dollars)	297,000	290,000	295,000
Mean value (dollars)	370,021	377,497	406,331

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

**Table 21.26-- MULTIPLE LISTING SERVICE COOPERATIVE AND
CONDOMINIUM UNITS SOLD, BY SELLING PRICE RANGE, FOR OAHU:
1998 TO 2000**

Selling price range	1998	1999	2000		
			Total	Fee simple	Lease-hold
All properties	2,632	3,298	3,926	2,799	1,127
Less than \$50,000	206	294	461	221	240
\$50,000 to \$74,999	281	354	432	259	173
\$75,000 to \$99,999	298	513	607	471	136
\$100,000 to \$124,999	389	449	443	302	141
\$125,000 to \$149,999	361	394	402	282	120
\$150,000 to \$174,999	249	292	298	231	67
\$175,000 to \$199,999	186	245	256	194	62
\$200,000 to \$224,999	174	196	206	168	38
\$225,000 to \$249,999	121	118	184	153	31
\$250,000 to \$274,999	89	79	97	82	15
\$275,000 to \$299,999	50	82	101	83	18
\$300,000 to \$349,999	72	90	123	107	16
\$350,000 to \$399,999	39	53	97	69	28
\$400,000 to \$449,999	37	37	51	42	9
\$450,000 to \$499,999	24	22	34	28	6
\$500,000 to \$599,999	22	29	47	39	8
\$600,000 to \$699,999	13	21	28	21	7
\$700,000 to \$799,999	5	7	10	9	1
\$800,000 to \$899,999	4	13	16	12	4
\$900,000 to \$999,999	7	3	14	11	3
\$1,000,000 or more	5	7	19	15	4
Median value (dollars)	135,000	125,000	125,000	135,000	100,000
Mean value (dollars)	160,978	157,418	165,674	178,057	134,918

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.27-- MULTIPLE LISTING SERVICE, NUMBER OF SINGLE FAMILY AND CONDOMINIUM RESALES, BY ISLAND: 1990 TO 2000

Category and year	State total	Oahu	Hawaii	Kauai	Maui
SINGLE FAMILY					
1990	1/ 4,877	1/ 2,744	1,231	266	636
1991	1/ 3,320	1/ 1,912	795	152	461
1992	1/ 3,477	1/ 1,985	820	264	408
1993	1/ 3,262	1/ 1,941	761	190	370
1994	1/ 3,668	1/ 2,175	906	199	388
1995	1/ 2,961	1/ 1,642	823	142	354
1996	1/ 3,157	1/ 1,749	805	162	441
1997	1/ 3,724	1/ 2,025	950	199	550
1998	1/ 4,649	1/ 2,495	1,152	321	681
1999	1/ 5,386	1/ 2,853	1,190	357	986
2000	5,870	3,181	1,325	427	937
CONDOMINIUM					
1990	1/ 8,649	1/ 6,149	674	277	1,549
1991	1/ 4,765	1/ 3,607	315	158	685
1992	1/ 4,204	1/ 3,341	264	94	505
1993	1/ 4,082	1/ 3,262	292	75	453
1994	1/ 4,389	1/ 3,370	314	138	567
1995	1/ 3,185	1/ 2,260	282	96	547
1996	1/ 3,034	1/ 1,990	358	123	563
1997	1/ 3,520	1/ 2,100	443	144	833
1998	1/ 4,434	1/ 2,632	494	267	1,041
1999	1/ 5,513	1/ 3,298	475	327	1,413
2000	6,351	3,926	575	345	1,505

1/ Revised.

Source: Data compiled by Prudential Locations Research from each county's Board of Realtors MLS.

**Table 21.28-- MULTIPLE LISTING SERVICE, MEDIAN SALES PRICE OF
SINGLE FAMILY AND CONDOMINIUM RESALES, BY ISLAND:
1990 TO 2000**

[In dollars]

Category and year	State total 1/	Oahu	Hawaii	Kauai	Maui
SINGLE FAMILY					
1990	2/ 287,617	2/ 352,000	150,000	260,000	280,000
1991	2/ 286,026	2/ 340,000	165,000	247,500	275,000
1992	281,220	349,000	154,250	185,000	290,000
1993	2/ 292,359	2/ 358,500	170,000	231,613	280,000
1994	295,982	360,000	165,000	244,500	273,500
1995	280,932	349,000	155,000	250,000	275,000
1996	2/ 274,918	2/ 335,000	165,000	219,000	265,000
1997	2/ 253,675	2/ 307,000	155,000	221,000	249,950
1998	251,500	297,000	159,000	237,500	254,000
1999	253,000	290,000	163,000	238,750	250,000
2000	265,000	295,000	175,000	253,800	275,000
CONDOMINIUM					
1990	2/ 180,621	2/ 187,000	127,000	149,000	173,500
1991	182,913	192,000	137,000	162,500	164,000
1992	2/ 186,323	2/ 193,000	148,000	155,000	165,000
1993	2/ 186,148	2/ 193,000	140,000	165,000	175,000
1994	180,950	190,000	125,000	139,500	169,000
1995	172,702	182,000	123,000	150,000	165,000
1996	2/ 166,344	2/ 175,000	125,175	140,000	175,000
1997	145,570	150,000	125,000	120,000	150,000
1998	2/ 139,000	2/ 135,000	122,500	129,000	161,300
1999	138,000	125,000	135,000	121,250	165,000
2000	139,000	125,000	135,000	150,000	193,000

1/ Weighted by the number of resales.

2/ Oahu figures have been revised. This revision, however, is not reflected in the state total.

Source: Data compiled by Prudential Locations Research from each county's Board of Realtors MLS.

Table 21.29-- NUMBER OF DEEDS FILED AND RECORDED AND APPROXIMATE VALUE OF LAND CONVEYED: 1996 TO 2000

[For calendar years. Data include leases, agreement of sales assignments, subleases, timeshares, etc., as well as deeds]

Subject	1996	1997	1998	1999	2000
Number of deeds filed and recorded	62,098	61,518	70,057	76,331	80,001
Approximate value of land conveyed (\$1,000)	5,793,252	6,298,003	7,440,642	8,311,047	9,689,367

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

Table 21.30-- APPROXIMATE VALUE OF LAND TRANSFERS, BY COUNTIES: 1998 TO 2000

[In dollars. For calendar years. Totals include leases, agreement of sales assignments, subleases, etc., as well as deeds]

County	1998	1999	2000
State total	7,440,641,970	8,311,046,800	9,689,367,480
Honolulu	3,904,127,400	4,836,187,300	5,138,547,380
Maui	1,971,081,970	1,683,687,900	2,316,618,400
Hawaii	1,066,147,500	1,201,547,300	1,548,501,300
Kauai	499,285,100	589,624,300	685,700,400

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

**Table 21.31-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:
1995 TO 2000**

Year	State total	First Circuit 1/	Second Circuit 2/	Third Circuit 3/	Fifth Circuit 4/
1995	1,957	1,204	317	293	143
1996	2,800	1,828	464	352	156
1997	3,148	2,205	421	362	160
1998	3,626	2,662	422	359	183
1999	2,934	2,135	324	339	136
2000	2,153	1,591	228	251	83

1/ City and County of Honolulu and Kalawao on Molokai.

2/ Maui County excludes Kalawao on Molokai.

3/ Hawaii County.

4/ Kauai County.

Source: The Judiciary, Office of the Administrative Director of the Courts, Statistics Office, records.

**Table 21.32-- ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES:
DECEMBER 31, 2000**

Facility	State total	Oahu	Hawaii		Maui	Molo-kai	Lanai	Kauai
			Hilo	Kona				
Total	6,006	4,774	177	229	573	4	21	228
Elevators	4,982	3,926	128	214	498	1	20	195
Hydro (Under 9 stories)	1,547	1,022	67	109	213	1	9	126
Roped:								
Under 9 stories	1,599	1,160	50	105	219	-	11	54
9 to 18 stories	1,137	1,045	11	-	66	-	-	15
19 to 28 stories	397	397	-	-	-	-	-	-
29 to 38 stories	214	214	-	-	-	-	-	-
39 stories or more	88	88	-	-	-	-	-	-
Escalators & moving walks/ speed ramps	415	390	6	-	17	-	-	2
Inclined lifts	11	4	3	1	-	-	1	2
Private industrial elevators	25	2	2	3	10	-	-	8
Manlifts	8	8	-	-	-	-	-	-
Handicap/chairlifts	232	167	21	9	19	3	-	13
Dumbwaiters	333	277	17	2	29	-	-	8

Source: Hawaii State Department of Labor and Industrial Relations, Division of Occupational Safety and Health, Boiler and Elevator Inspection Bureau, records.

Table 21.33-- TALLEST STRUCTURES, BY ISLANDS: MARCH 2001

Island and structure	Location	Year completed	Height	
			Stories	Feet
BUILDINGS 1/				
Hawaii: Bayshore Towers	Hilo	1970	15	135
Maui: Kalana O Maui (County Bldg.)	Wailuku	1972	9	140
Royal Lahaina Hotel	Kaanapali	1970	12	132
Lanai: Manele Hotel	Hulopoe Bay	1991	3	48
Molokai: Molokai Light Station	Kalaupapa	1909	...	138
Oahu: First Hawaiian Center	999 Bishop Street	1996	27	438
Nauru Tower	1330 Ala Moana Blvd.	1991	45	400
Waterfront Towers	425 South Street	1990	46	400
One Archer Lane	801 South King Street	1998	41	400
Hawaiki Tower	404 Piikoi Street	1999	47	400
Kauai: Marriott Resort & Beach Club	Lihue	1959	10	107
OTHER STRUCTURES				
Hawaii: Coast Guard Loran Station	Upolu Point	1958	...	625
Maui: KMVI Radio Tower	Wailuku	1992	...	455
Lanai: Storage tanks	Manele Harbor	...	...	50
Molokai: KAIM Radio Tower	Kalua Koi	1981	...	410
Oahu: VLF Antenna	Lualualei	1972	...	1,503
Kauai: Communication Engineers Tower	Mana	1964	...	400

1/ Shown separately for the tallest in feet and also (if different) for the tallest in number of stories.

Source: Compiled by DBEDT from Hawaii County Department of Research and Development, Maui County Department of Public Works and Waste Management, City and County of Honolulu Department of Planning and Permitting, and Kauai County Department of Public Works.

Section 22

MANUFACTURES

This section presents statistics on the manufacturing segment of the economy, including sugar processing and pineapple canning. Additional information on manufacturing workers appears in Sections 12 and 15.

Sources for data on this subject include the quinquennial *United States Census of Manufactures*, most recently published for 1997, the *United States Annual Survey of Manufactures*, publications of the Hawaii State Department of Agriculture and the Hawaii State Department of Taxation, and the *Hawaiian Sugar Manual* of the former Hawaiian Sugar Planters' Association, now the Hawaii Agriculture Research Center. *Historical Statistics of Hawaii*, Section 16, contains the figures for earlier years. Statistics for the nation as a whole appear in Section 26 of the *Statistical Abstract of the United States: 2000*.

**Table 22.01-- STATISTICAL SUMMARY OF MANUFACTURES:
1994 TO 1999**

Subject	1994	1995	1996	1997	1998	1999
All employees:						
Number (1,000)	17.8	17.3	17.1	15.1	15.4	15.3
Payroll (million dollars)	505.4	2/ 508.1	509.4	1/ 404.6	395.5	409.4
Production workers:						
Number (1,000)	11.0	10.7	10.1	9.9	10.4	10.2
Hours (millions)	21.5	21.6	19.7	1/ 18.3	19.2	19.1
Wages (million dollars)	266.9	260.1	250.6	1/ 231.3	228.0	219.6
Value added by manufacture (million dollars)	1,527.4	1,485.6	1,608.5	1/ 1,261.3	1,141.2	1,311.1
Cost of materials 2/ (million dollars)	1,799.3	1,909.2	1,546.7	1/ 1,939.9	1,669.0	1,851.7
Value of shipments 2/ (million dollars)	3,336.8	3,435.5	3,145.5	1/ 3,189.9	2,833.4	3,142.0
Total capital expenditures (million dollars)	202.8	112.8	79.0	100.7	94.1	89.9

1/ Revised.

2/ Aggregate of cost of materials and value of shipments include extensive duplication since products of some industries are used as materials by others.

Source: U.S. Census Bureau, 1995 Annual Survey of Manufactures, Geographic Area Statistics, M94 (AS)-3 (April 1997), table 1; 1996 Annual Survey of Manufactures, Geographic Area Statistics, M96 (AS)-3 (April 1998), table 1 at <http://www.census.gov/prod/www/titles.html#mm>; 1997 Economic Census, Manufacturing, Geographic Area Series, Hawaii, EC97M31A-HI (May 2000), table 1; Annual Survey of Manufactures, 1999 Geographic Area Statistics, M99 (AS)-3 (RV) (March 29, 2001) at <http://www.census.gov/prod/www/abs/geograph.html>.

Table 22.02-- DETAILED MANUFACTURING STATISTICS: 1997

[NAICS Industries 31-33]

Item	Value
Companies 1/	895
All establishments	921
Establishments with 1 to 19 employees	762
Establishments with 20 to 99 employees	130
Establishments with 100 employees or more	29
All employees	15,109
Total compensation (\$1,000) 2/	503,407
Annual payroll (\$1,000)	405,045
Total fringe benefits (\$1,000)	98,362
Production workers, average for years	9,899
Production workers on March 12	9,835
Production workers on May 12	9,768
Production workers on August 12	10,194
Production workers on November 12	9,799
Production-worker hours (1,000)	18,362
Production-worker wages (\$1,000)	231,595
Total cost of materials	1,941,147
Cost of materials, parts, containers, etc., consumed (\$1,000)	1,673,002
Cost of resales (\$1,000)	152,624
Cost of fuels (\$1,000)	51,118
Cost of purchased electricity (\$1,000)	23,281
Cost of contract work (\$1,000)	41,122
Quantity of electricity purchased for heat and power (1,000 kWh)	245,275
Quantity of electricity generated less sold for heat and power (1,000 kWh)	(D)
Total value of shipments (\$1,000)	3,192,532
Value of resales (\$1,000)	181,478
Value added (\$1,000)	1,262,448
Total inventories, beginning of year (\$1,000)	336,547
Finished goods inventories, beginning of year (\$1,000)	175,028
Work-in-process inventories, beginning of year (\$1,000)	46,214
Materials and supplies inventories, beginning of year (\$1,000)	115,305

Continued on next page.

Table 22.02-- DETAILED MANUFACTURING STATISTICS: 1997 -- Con.

[NAICS Industries 31-33]

Item	Value
Total inventories, end of year	351,344
Finished goods inventories, end of year (\$1,000)	188,052
Work-in-process inventories, end of year (\$1,000)	47,984
Materials and supplies inventories, end of year (\$1,000)	115,308
Gross book value of total assets at beginning of year (\$1,000)	1,221,564
Total capital expenditures (new and used) (\$1,000)	100,707
Capital expenditures for buildings and other structures (new and used) (\$1,000)	38,742
Capital expenditures for machinery and equipment (new and used) (\$1,000)	61,965
Total retirements (\$1,000) 2/	24,447
Gross book value of total assets at end of year (\$1,000)	1,297,824
Total depreciation during year (\$1,000) /2	68,301
Total rental payments (\$1,000) /2	38,447
Buildings and other structures rental payments (\$1,000) /2	23,072
Machinery and equipment rental payments (\$1,000) /2	15,375

D Withheld to avoid disclosing data for individual companies.

1/ For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

2/ These items are collected in the ASM (Annual Survey of Manufacturers) and estimated for the remaining establishments.

Source: U.S. Census Bureau, *1997 Economic Census, Manufacturing, Geographic Area Statistics*, EC97M31A-HI (May 2000), table 5.

**Table 22.03-- STATISTICAL SUMMARY OF MANUFACTURING, BY COUNTIES:
1997**

[NAICS 31-33]

Subject	State total	City and County of Honolulu	Hawaii County	Kauai County 1/	Maui County
All establishments 2/ (number)	921	685	106	30	100
With 20 employees or more	159	133	13	4	9
All employees:					
Number	15,109	11,161	1,588	441	1,919
Payroll (\$1,000)	405,045	300,856	37,458	15,429	51,302
Production workers:					
Number	9,899	7,034	1,076	280	1,509
Hours (1,000)	18,362	13,018	1,954	560	2,830
Wages (\$1,000)	231,595	164,815	21,133	9,351	36,296
Value added by manufacture (\$1,000)	1,262,448	1,042,807	81,221	15,077	123,343
Cost of materials 3/ (\$1,000)	1,941,147	1,659,321	113,642	32,795	135,389
Value of shipments 3/ (\$1,000)	3,192,532	2,692,239	192,461	48,224	259,608
Total capital expenditures (\$1,000)	100,707	77,715	14,236	4,736	4,020

1/ Kauai data calculated as residual by DBEDT.

2/ Includes establishments with payroll at any time during the year.

3/ Aggregate of cost of materials and value of shipments include extensive duplication since products of some industries are used as materials by others.

Source: U.S. Census Bureau, *1997 Economic Census Manufacturing, Geographic Area Series, Hawaii*, EC97M31A-HI (May 2000), tables 1 and 3.

Table 22.04-- MANUFACTURING, BY SELECTED INDUSTRY GROUPS: 1997

[NAICS Industries 31 - 33]

Subject	Total	Food mfg (NAICS 311)	Apparel mfg (NAICS 315)	Printing & rel sup (NAICS 323)	Cement & con. prod mfg (NAICS 3273)	Transp. Equip. mfg (NAICS 336)	Furniture & rel. prod. mfg (NAICS 337)	Miscell. mfg (NAICS 339)
All establishments								
Number	921	244	93	123	33	24	47	146
With 20 employees or more	159	55	21	19	10	6	5	13
All employees								
Number	15,109	6,118	1,555	1,736	613	400	372	1,372
Payroll (thousand dollars)	405,045	153,304	28,924	42,452	26,662	13,418	10,339	31,297
Production workers:								
Number	9,899	4,132	1,221	1,072	437	328	286	767
Hours (thousand)	18,362	7,497	2,250	2,010	901	585	554	1,305
Wages (thousand dollars)	231,595	90,110	17,243	27,109	18,238	10,306	6,931	15,528
Value added by manufacture (thousand dollars)	1,262,448	402,859	70,638	80,317	60,573	26,088	23,608	71,149
Cost of materials (thousand dollars)	1,941,147	475,773	62,975	59,396	69,264	21,138	18,302	36,239
Value of shipments (thousand dollars)	3,192,532	878,143	133,900	140,213	129,904	47,327	40,407	106,043
Total capital expenditures (thousand dollars)	100,707	32,687	1,833	9,658	3,528	816	(D)	2,670

D Withheld to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, *1997 Economic Census, Manufacturing, Geographic Area Statistics*, EC97M31A-HI (May 2000), table 1.

**Table 22.05-- PRIVATE INDUSTRY MANUFACTURING EMPLOYMENT AND
WAGES, ANNUAL AVERAGES: 1999**

SIC code	Manufacturing	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wage per employee
	Total	1,019	16,425	526,264	32,041
2011	Meat packing plants	(D)	(D)	(D)	(D)
2013	Sausages and other prepared meats	12	118	2,355	19,931
2015	Poultry slaughtering and processing	(D)	(D)	(D)	(D)
2024	Ice cream and frozen desserts	(D)	(D)	(D)	(D)
2026	Fluid milk	(D)	(D)	(D)	(D)
2033	Canned fruits and vegetables	13	777	22,360	28,777
2034	Dehydrated fruits, vegetables, and soups	(D)	(D)	(D)	(D)
2035	Pickles, sauces, and salad dressings	13	145	2,626	18,173
2037	Frozen fruits and vegetables	(D)	(D)	(D)	(D)
2038	Frozen specialties, nec	(D)	(D)	(D)	(D)
2041	Flour and other grain mill products	(D)	(D)	(D)	(D)
2045	Prepared flour mixes and doughs	(D)	(D)	(D)	(D)
2051	Bread, cake, and related products	32	897	23,013	25,660
2052	Cookies and crackers	(D)	(D)	(D)	(D)
2053	Frozen bakery products except bread	(D)	(D)	(D)	(D)
2061	Raw cane sugar	(D)	(D)	(D)	(D)
2064	Candy and other confectionery products	23	459	9,994	21,793
2066	Chocolate and cocoa products	(D)	(D)	(D)	(D)
2068	Salted and roasted nuts and seeds	(D)	(D)	(D)	(D)
2076	Vegetable oil mills, nec	(D)	(D)	(D)	(D)
2077	Animal and marine fats and oils	(D)	(D)	(D)	(D)
2082	Malt beverages	5	50	866	17,469
2084	Wines, brandy, and brandy spirits	(D)	(D)	(D)	(D)
2086	Bottled and canned soft drinks	(D)	(D)	(D)	(D)
2087	Flavoring extracts and syrups, nec	3	27	970	36,132
2091	Canned and cured fish and seafoods	(D)	(D)	(D)	(D)
2092	Fresh or frozen prepared fish	3	41	855	20,807
2095	Roasted coffee	5	266	6,957	33,631
2096	Potato chips and similar snacks	(D)	(D)	(D)	(D)
2097	Manufactured ice	7	74	1,593	21,667
2098	Macaroni and spaghetti	10	144	2,343	16,311
2099	Food preparations, nec	56	898	14,202	15,810
2262	Finishing plants, manmade	(D)	(D)	(D)	(D)
2273	Carpets and rugs	(D)	(D)	(D)	(D)
2311	Men's and boys' suits and coats	(D)	(D)	(D)	(D)
2321	Men's and boys' shirts	8	325	7,175	22,061
2326	Men's and boys' work clothes	12	51	628	12,348

Continued on next page.

Table 22.05-- PRIVATE INDUSTRY MANUFACTURING EMPLOYMENT AND WAGES, ANNUAL AVERAGES: 1999 - Con.

SIC code	Manufacturing	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wage per employee
2329	Men's and boys' clothing, nec	12	198	3,189	16,118
2331	Women's and misses' blouses and shirts	(D)	(D)	(D)	(D)
2335	Women's, juniors', and misses' dresses	30	698	16,805	24,093
2337	Women's and misses' suits and coats	(D)	(D)	(D)	(D)
2339	Women's and misses' outerwear, nec	27	174	2,530	14,531
2353	Hats, caps, and millinery	(D)	(D)	(D)	(D)
2361	Girls' and children's dresses	(D)	(D)	(D)	(D)
2369	Girls' and children's outerwear	(D)	(D)	(D)	(D)
2384	Robes and dressing gowns	(D)	(D)	(D)	(D)
2391	Curtains and draperies	9	52	971	18,788
2392	Housefurnishings, nec	5	11	83	7,854
2393	Textile bags	(D)	(D)	(D)	(D)
2394	Canvas and related products	7	25	583	23,643
2395	Pleating and stitching	8	37	672	18,254
2396	Automotive and apparel trimmings	43	445	12,214	27,452
2399	Fabricated textile products, nec	(D)	(D)	(D)	(D)
2411	Logging	(D)	(D)	(D)	(D)
2421	Sawmills and planing mills, general	(D)	(D)	(D)	(D)
2431	Millwork	7	65	2,185	33,448
2434	Wood kitchen cabinets	22	193	6,024	31,254
2439	Structural wood members, nec	4	57	1,882	33,118
2448	Wood pallets and skids	(D)	(D)	(D)	(D)
2452	Prefabricated wood buildings	(D)	(D)	(D)	(D)
2491	Wood preserving	(D)	(D)	(D)	(D)
2499	Wood products, nec	(D)	(D)	(D)	(D)
2511	Wood household furniture	6	35	1,041	30,026
2512	Upholstered household furniture	(D)	(D)	(D)	(D)
2514	Metal household furniture	(D)	(D)	(D)	(D)
2515	Mattresses and bedsprings	(D)	(D)	(D)	(D)
2519	Household furniture, nec	(D)	(D)	(D)	(D)
2521	Wood office furniture	(D)	(D)	(D)	(D)
2541	Wood partitions and fixtures	(D)	(D)	(D)	(D)
2542	Partitions and fixtures, except wood	(D)	(D)	(D)	(D)
2591	Drapery hardware, blinds, and shades	(D)	(D)	(D)	(D)
2653	Corrugated and solid fiber boxes	(D)	(D)	(D)	(D)
2673	Bags, plastics, laminated, and coated	3	64	1,866	29,048
2677	Envelopes	(D)	(D)	(D)	(D)
2679	Converted paper products, nec	(D)	(D)	(D)	(D)
2711	Newspapers	35	1,614	71,165	44,085
2721	Periodicals	44	277	10,206	36,880

Continued on next page.

Table 22.05-- PRIVATE INDUSTRY MANUFACTURING EMPLOYMENT AND WAGES, ANNUAL AVERAGES: 1999 - Con.

SIC code	Manufacturing	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wage per employee
2731	Book publishing	(D)	(D)	(D)	(D)
2732	Book printing	(D)	(D)	(D)	(D)
2741	Miscellaneous publishing	29	225	9,905	44,023
2752	Commercial printing, lithographic	59	668	22,510	33,697
2759	Commercial printing, nec	25	164	4,589	28,055
2761	Manifold business forms	(D)	(D)	(D)	(D)
2771	Greeting cards	(D)	(D)	(D)	(D)
2782	Blankbooks and looseleaf binders	(D)	(D)	(D)	(D)
2789	Bookbinding and related work	(D)	(D)	(D)	(D)
2791	Typesetting	(D)	(D)	(D)	(D)
2796	Platemaking services	(D)	(D)	(D)	(D)
2813	Industrial gases	(D)	(D)	(D)	(D)
2833	Medicinals and botanicals	(D)	(D)	(D)	(D)
2834	Pharmaceutical preparations	(D)	(D)	(D)	(D)
2835	Diagnostic substances	(D)	(D)	(D)	(D)
2836	Biological products, except diagnostic	(D)	(D)	(D)	(D)
2841	Soap and other detergents	(D)	(D)	(D)	(D)
2844	Toilet preparations	(D)	(D)	(D)	(D)
2865	Cyclic crudes and intermediates	(D)	(D)	(D)	(D)
2875	Fertilizers, mixing only	(D)	(D)	(D)	(D)
2891	Adhesives and sealants	(D)	(D)	(D)	(D)
2899	Chemical preparations, nec	(D)	(D)	(D)	(D)
2911	Petroleum refining	7	536	36,410	67,951
3021	Rubber and plastics footwear	(D)	(D)	(D)	(D)
3069	Fabricated rubber products, nec	(D)	(D)	(D)	(D)
3082	Unsupported plastics profile shapes	(D)	(D)	(D)	(D)
3085	Plastic bottles	3	19	418	21,787
3086	Plastics foam products	(D)	(D)	(D)	(D)
3089	Plastics products, nec	9	67	1,881	28,039
3229	Pressed and blown glass, nec	3	5	84	16,075
3231	Products of purchased glass	4	30	647	21,459
3241	Cement, hydraulic	(D)	(D)	(D)	(D)
3253	Ceramic wall and floor tile	(D)	(D)	(D)	(D)
3263	Semivitreous table and kitchenware	(D)	(D)	(D)	(D)
3269	Pottery products, nec	(D)	(D)	(D)	(D)
3271	Concrete block and brick	(D)	(D)	(D)	(D)
3272	Concrete products, nec	18	234	9,180	39,177
3273	Ready-mixed concrete	10	392	20,051	51,106
3281	Cut stone and stone products	9	61	1,645	27,149
3295	Minerals, ground or treated	(D)	(D)	(D)	(D)

Continued on next page.

Table 22.05-- PRIVATE INDUSTRY MANUFACTURING EMPLOYMENT AND WAGES, ANNUAL AVERAGES: 1999 - Con.

SIC code	Manufacturing	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wage per employee
3296	Mineral wool	(D)	(D)	(D)	(D)
3411	Metal cans	3	109	3,758	34,429
3441	Fabricated structural metal	(D)	(D)	(D)	(D)
3442	Metal doors, sash, and trim	8	60	1,706	28,236
3443	Fabricated plate work (boiler shops)	(D)	(D)	(D)	(D)
3444	Sheet metal work	(D)	(D)	(D)	(D)
3446	Architectural metal work	4	14	361	25,920
3448	Prefabricated metal buildings	(D)	(D)	(D)	(D)
3449	Miscellaneous metal work	3	43	1,874	43,756
3471	Plating and polishing	(D)	(D)	(D)	(D)
3479	Metal coating and allied services	(D)	(D)	(D)	(D)
3493	Steel springs, except wire	(D)	(D)	(D)	(D)
3498	Fabricated pipe and fittings	(D)	(D)	(D)	(D)
3523	Farm machinery and equipment	(D)	(D)	(D)	(D)
3533	Oil and gas field machinery	(D)	(D)	(D)	(D)
3559	Special industry machinery, nec	(D)	(D)	(D)	(D)
3564	Blowers and fans	(D)	(D)	(D)	(D)
3571	Electronic computers	(D)	(D)	(D)	(D)
3578	Calculating and accounting equipment	(D)	(D)	(D)	(D)
3589	Service industry machinery, nec	(D)	(D)	(D)	(D)
3599	Industrial machinery, nec	5	24	602	24,675
3645	Residential lighting fixtures	(D)	(D)	(D)	(D)
3652	Prerecorded records and tapes	(D)	(D)	(D)	(D)
3663	Radio and TV communications equipment	(D)	(D)	(D)	(D)
3669	Communications equipment, nec	(D)	(D)	(D)	(D)
3691	Storage batteries	(D)	(D)	(D)	(D)
3695	Magnetic and optical recording media	(D)	(D)	(D)	(D)
3711	Motor vehicles and car bodies	(D)	(D)	(D)	(D)
3713	Truck and bus bodies	(D)	(D)	(D)	(D)
3714	Motor vehicle parts and accessories	(D)	(D)	(D)	(D)
3715	Truck trailers	(D)	(D)	(D)	(D)
3728	Aircraft parts and equipment, nec	(D)	(D)	(D)	(D)
3731	Ship building and repairing	11	385	13,493	35,038
3732	Boat building and repairing	10	50	1,326	26,560
3792	Travel trailers and campers	(D)	(D)	(D)	(D)
3827	Optical instruments and lenses	(D)	(D)	(D)	(D)
3843	Dental equipment and supplies	(D)	(D)	(D)	(D)
3844	X-ray apparatus and tubes	(D)	(D)	(D)	(D)
3851	Ophthalmic goods	(D)	(D)	(D)	(D)
3861	Photographic equipment and supplies	(D)	(D)	(D)	(D)

Continued on next page.

Table 22.05-- PRIVATE INDUSTRY MANUFACTURING EMPLOYMENT AND WAGES, ANNUAL AVERAGES: 1999 - Con.

SIC code	Manufacturing	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wage per employee
3911	Jewelry, precious metal	40	437	10,579	24,189
3931	Musical instruments	5	58	1,429	24,455
3949	Sporting and athletic goods, nec	15	71	1,555	21,959
3953	Marking devices	(D)	(D)	(D)	(D)
3961	Costume jewelry	(D)	(D)	(D)	(D)
3991	Brooms and brushes	(D)	(D)	(D)	(D)
3993	Signs and advertising specialities	10	80	2,097	26,137
3995	Burial caskets	(D)	(D)	(D)	(D)
3999	Manufacturing industries, nec	6	24	379	15,586

D Data do not meet BLS or state disclosure standards.

Source: U.S. Department of Labor, *Employment and Wages Annual Averages, 1999* (January 2001), Bulletin 2534.

Table 22.06-- GENERAL EXCISE TAX BASE FOR MANUFACTURING: 1987 TO 2000

[In thousands of dollars. Data exclude sugar processing, pineapple canning, and petroleum refining, and are on a cash basis accounting. Manufactured goods shipped out of State were exempted from the general excise tax by Act 239, SLH 1987, effective January 1, 1988]

Year reported 1/	Tax base	Year reported 1/	Tax base	Year reported 1/	Tax base
1987	595,140	1992	714,470	1997	2/ 581,259
1988	629,303	1993	717,423	1998	535,371
1989	630,997	1994	618,238	1999	585,305
1990	728,387	1995	614,771	2000	586,039
1991	714,407	1996	622,889		

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January and hence these annual totals generally refer to an "income year" ended November 30.

2/ Revised in September 1998.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release).

**Table 22.07-- LARGEST INDUSTRIAL AND HIGH TECHNOLOGY PARKS,
BY ISLANDS: 2000**

[Data taken from the largest industrial and high technology parks]

Subject	State total	Hawaii	Maui	Oahu	Kauai
Number of parks and areas	18	3	3	11	1
Acres	4,399	1,524	670	2,145	60

Source: Pacific Business News, *Book of Lists 2001*, p. 144.

**Table 22.08-- PINEAPPLE COMPANIES AND CANNERIES, AND
SUGAR COMPANIES AND MILLS: 1940 TO 2000**

Year	Pineapple (end of canning season)		Sugar (December 31)	
	Companies	Canneries	Companies 1/	Mills
1940	8	8	38	34
1945	7	7	36	32
1950	9	8	28	26
1955	10	8	28	26
1960	8	9	27	27
1965	6	6	25	27
1970	4	4	23	26
1975	3	3	16	17
1980	3	3	15	14
1985	3	2	14	12
1990	4	2	12	12
1993	3	1	11	12
1994	3	1	9	10
1995	3	1	8	10
1996	3	1	4	6
1997	3	1	4	6
1998	3	1	4	6
1999	3	1	4	6
2000				
ISLANDS: 1999				
Hawaii	-	-	-	-
Maui	1	1	2	3
Oahu	2	-	-	-
Kauai	-	-	2	3
ISLANDS: 2000				
Hawaii	-	-	-	-
Maui	1	1	1	2
Oahu	2	-	-	-
Kauai	-	-	2	2

1/ In operation; excludes cooperatives.

Source: Pineapple Growers Association of Hawaii, records; *Hawaiian Sugar Manual (annual)*; Dole Food Company, records; Hawaii Agriculture Research Center, records.

Table 22.09-- SUGAR AND MOLASSES PRODUCTION: 1990 TO 2000

Year	Cane land (acres)		Cane used for sugar (short tons)	Sugar produced (short tons)		Molasses produced (short tons)
	Total area	Harvested area 1/		96° raw value	Equivalent refined	
1990	161,991	71,998	6,540,925	819,631	766,027	220,859
1991	155,609	67,716	5,852,668	724,100	676,744	202,214
1992	145,790	62,123	5,432,286	652,304	609,643	203,739
1993	121,322	64,705	5,506,072	677,405	633,103	211,658
1994	98,413	64,951	5,268,859	658,538	615,470	200,835
1995	81,957	48,507	3,952,347	492,346	460,147	163,305
1996	68,816	36,769	3,542,460	437,262	408,665	145,369
1997	67,820	32,033	2,923,594	356,917	333,575	131,173
1998	67,585	30,347	2,725,744	353,893	330,748	125,909
1999	60,758	35,329	2,891,499	367,532	343,495	141,481
2000	43,821	30,194	2,364,357	301,165	281,469	101,329

1/ The average growth of a crop is 22 to 26 months. Only a portion of the total acreage in cane is harvested each year.

Source: Hawaiian Sugar Planters' Association, *Hawaiian Sugar Manual* (annual), and records; Hawaii Agriculture Research Center, records.

**Table 22.10-- VALUE OF SALES FOR PINEAPPLE AND SUGAR PRODUCTION:
1980 TO 1999**

[In millions of dollars. Calendar year data unless otherwise specified]

Year	Pineapple		Sugar	
	Canned fruit and juices 1/	Fresh market sales 2/	Raw sugar 96°	Commercial molasses
1980	192.2	34.3	566.4	27.7
1981	172.0	45.6	314.2	13.7
1982	156.1	49.9	343.9	7.6
1983	171.6	47.4	396.5	13.7
1984	202.0	47.6	382.9	10.1
1985	171.7	50.8	331.9	8.9
1986	184.9	53.5	348.4	13.5
1987	202.9	48.5	325.0	10.9
1988	191.7	55.3	312.9	11.1
1989	182.7	59.2	313.6	8.4
1990	161.6	54.3	319.0	9.9
1991	172.7	51.9	261.0	9.7
1992	141.8	55.9	229.2	8.4
1993	86.6	54.0	242.9	9.0
1994	81.1	53.0	239.2	8.7
1995	72.5	62.5	190.5	9.7
1996	78.2	68.8	160.8	8.0
1997	73.0	63.7	127.5	5.0
1998	81.3	63.8	130.3	2.8
1999	72.3	72.5	129.5	1.8

1/ Value of canned fruit and juices and by-product shipped out-of-State and sold within State.

2/ Value FAS shipping point for outshipments, delivered wholesalers local sales.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture* (annual) and records;
<http://www.nass.usda.gov/hi/rlsetoc.htm>

Section 23

DOMESTIC TRADE AND SERVICES

This section presents statistics relating to retail and wholesale trade; hotels; and selected personal, business, automotive, repair, and amusement services, including the motion picture industry. Related data are included in Sections 7, 12, 14 and 15.

The major sources of these data are the U.S. Census Bureau, *1997 Economic Census, Geographic Area Series*, Retail Trade, Wholesale Trade, and all others relating to the services industry. Statistics on the retailing, wholesaling, and services tax bases are available from the Hawaii State Department of Taxation. Data on hotel room counts, occupancy and other characteristics are published by the Hawaii State Department of Business, Economic Development & Tourism's Tourism Research Branch. The Film Industry Branch of the Hawaii State Department of Business, Economic Development & Tourism compiles data on motion picture and television production. A summary of figures on trade and services in earlier years appears in *Historical Statistics of Hawaii*, Section 20. The *Statistical Abstract of the United States: 2000*, Section 27, presents similar data for other states and the nation as a whole.

**Table 23.01-- GENERAL EXCISE TAX BASE FOR TRADE AND SERVICE
ACTIVITIES: 1985 TO 2000**

[In thousands of dollars. Data are on a cash basis accounting]

Year reported 1/	Retailing	Services 2/	Amusement, etc. 3/	Intermediary services	Wholesaling
1985	8,499,254	2,481,669	154,830	116,300	4,095,220
1986	9,239,373	2,784,169	159,881	127,992	4,443,166
1987	9,449,673	2,896,159	157,824	148,557	5,188,215
1988	10,385,974	3,287,715	165,729	182,138	5,683,815
1989	11,607,779	3,699,003	184,154	189,018	6,595,569
1990	12,827,883	4,276,876	201,003	349,111	7,494,330
1991	13,398,382	4,888,164	209,128	451,078	7,722,752
1992	13,846,332	5,032,682	229,091	247,850	7,498,621
1993	13,976,048	5,092,654	226,443	218,173	7,646,215
1994	14,569,798	5,270,844	238,195	265,755	7,622,366
1995	15,050,113	5,351,079	233,843	264,193	7,808,103
1996	16,091,429	5,618,027	246,232	292,250	8,153,155
1997	15,973,955	5,414,691	229,802	283,064	8,101,894
1998	15,730,858	5,545,001	232,288	320,845	8,030,448
1999	15,957,379	5,647,648	220,959	298,815	8,059,260
2000	17,453,936	6,045,695	253,484	378,574	9,082,585

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

2/ Includes both business and professional services but excludes hotels, theater, amusement, broadcasting, and intermediary services.

3/ Theater, amusement, broadcasting, etc.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release).

**Table 23.02-- RETAIL ESTABLISHMENTS, BY PAYROLL STATUS:
1972 TO 1997**

[Coverage has differed somewhat from census to census]

Year	Number of establishments			Sales (million dollars)		
	Total	With payroll	Without payroll	Total	With payroll	Without payroll
old definition:						
1972	6,392	4,491	1,901	1,865	1,820	45
1977	7,388	5,273	2,115	3,294	3,223	71
1982	8,917	6,139	2,778	5,193	5,102	92
1987	11,143	7,195	3,948	8,267	8,084	183
1992	13,185	7,807	5,378	11,510	11,250	260
1997	17,478	7,860	9,618	13,638	13,299	339
new definition:						
1997 1/	14,098	5,088	9,010	11,628	11,318	310

1/ Excludes foodservices (eating and drinking places), included in earlier censuses.

Source: U.S. Bureau of the Census, *1972 Census of Retail Trade, Hawaii*, RC72-A-12 (July 1974), table 1; *1977 Census of Retail Trade, Hawaii*, RC77-A-12 (June 1979), table 1; *1982 Census of Retail Trade, Hawaii*, RC82-A-12 (September 1984), table 1; *1987 Census of Retail Trade, Hawaii*, RC87-A-12 (May 1989), table 1, and *Nonemployer Statistics Series, West*, RC87-N-4 (February 1990), table 2; *1992 Census of Retail Trade, Hawaii*, RC92-A-12 (October 1994), table 1, and *Nonemployer Statistics Series, Summary*, RC92-N-1 (February 1995), table 3; *1997 Economic Census, Retail Trade, Hawaii*, EC97R44A-HI (November 1999), table 1; *1997 Economic Census Accomodation and Foodservices*, EC97R72A-HI (October 1999), table 1; and *1997 Economic Census, Nonemployer Statistics*, EC97X-CS4 (January 2001), table 2.

**Table 23.03-- FOODSERVICES & DRINKING PLACES (NAICS 722)
BY TYPE OF SERVICE: 1997**

NAICS code	Type of service	Establishments (number)	Sales (\$1,000)	Employees, week including March 12	Annual payroll (\$1,000)
722	Foodservices & drinking places	2,772	1,980,996	47,978	555,115
7221	Full-service restaurants	1,207	1,002,421	25,170	309,458
7222	Limited-service eating places	1,185	723,521	17,988	178,691
7223	Special foodservices	96	162,149	2,846	46,009
72231	Foodservice contractors	51	142,848	2,267	40,228
72232	Caterers	22	12,597	447	4,173
72233	Mobile foodservices	23	6,704	132	1,608
7224	Drinking places	284	92,905	1,974	20,957

Source: U.S. Bureau of the Census, *1997 Economic Census, Accommodation and Foodservices, Geographic Area Series EC97R72A-HI* (October 1999), p. 7.

Table 23.04-- CHARACTERISTICS OF RETAIL ESTABLISHMENTS WITH PAYROLL, BY BROAD GEOGRAPHIC AREAS: 1997

[Excludes establishments without payroll and all establishments operated by the armed forces]

Subject	State total	Oahu	Other Islands
Number of establishments	5,088	3,269	1,819
Sales (\$1,000)	11,317,752	8,264,716	3,053,036
Annual payroll (\$1,000)	1,161,805	823,553	338,252
First quarter payroll (\$1,000)	281,093	199,128	81,965
Paid employees for pay period including March 12	64,218	44,960	19,258

Source: U.S. Bureau of the Census, *1997 Economic Census, Retail Trade, Hawaii, EC97R44A-HI* (November 1999), tables 1, 2.

Table 23.05-- RETAIL ESTABLISHMENTS WITH PAYROLL, FOR COUNTIES AND SELECTED URBAN PLACES: 1997

[Excludes establishments without payroll and establishments operated by the armed forces]

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12
State total	5,088	11,317,752	1,161,805	64,218
Hawaii County	688	1,183,054	128,529	7,587
Captain Cook	7	8,266	671	36
Hilo	261	552,226	63,033	3,696
Holualoa	10	3,298	215	19
Kailua	180	347,694	34,911	1,930
Honolulu County	3,269	8,264,716	823,553	44,960
Aiea	140	311,300	35,589	2,539
Ewa Beach	17	34,770	3,766	194
Halawa	9	5,795	1,128	55
Honolulu	2,258	5,483,510	534,745	27,812
Kailua	104	227,863	27,505	1,758
Kaneohe	137	371,808	37,739	2,171
Laie	7	15,088	1,857	136
Maunawili	7	6,186	559	34
Mililani Town	50	176,798	19,549	1,181
Nanakuli	12	27,729	2,325	148
Pearl City	50	239,662	18,809	1,062
Wahiawa	43	85,223	9,703	500
Waialua	12	4,635	591	63
Waianae	23	67,704	7,621	427
Waimalu	84	251,665	27,022	1,259
Waimanalo	11	12,513	1,361	86
Waipahu	119	378,262	39,561	1,908
Kauai County	326	510,684	59,002	3,427
Kalaheo	10	8,415	900	70
Kapaa	86	106,699	12,065	712
Lihue	102	238,693	27,520	1,490
Maui County	805	1,359,298	150,721	8,244
Haiku-Pauwela	7	4,325	483	30
Island of Lanai	7	7,656	1,098	55
Island of Molokai 1/	15	28,391	3,441	196

Continued on next page.

Table 23.05-- RETAIL ESTABLISHMENTS WITH PAYROLL, FOR COUNTIES AND SELECTED URBAN PLACES: 1997 -- Con.

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12
Maui County - Con.				
Kahului	203	583,649	59,310	3,405
Kihei	82	123,551	12,785	720
Lahaina	242	299,657	37,875	1,873
Makawao	24	10,241	1,389	108
Napili-Honokowai	9	12,195	1,173	62
Pukalani	10	35,689	3,756	197
Wailea-Makena	22	20,371	2,487	162
Wailuku	64	107,198	12,027	604

1/ Sales, payroll, and paid employess are for the 14 retail establishments in Kaunakakai.

Source: U.S. Bureau of the Census, *1997 Economic Census, Retail Trade, Hawaii*, EC97R44A-HI (November 1999); table 1,3, and 4.

Table 23.06-- RETAIL ESTABLISHMENTS WITH PAYROLL, BY KIND OF BUSINESS: 1997

[Excludes establishments without payroll. Also excludes establishments operated by the armed forces]

NAICS code	Kind of business	Number of establishments	Sales (\$1,000)	Annual payroll (\$1,000)	Paid employees 1/
44-45	Retail trade	5,088	11,317,752	1,161,805	64,218
441	Motor vehicle and parts dealers	313	1,761,391	167,121	5,739
442	Furniture and home furnishing stores	194	194,421	29,622	1,393
443	Electronic's and appliance stores	168	236,489	24,169	1,345
444	Building material, garden equipment	278	676,787	78,874	3,127
445	Food and beverage stores	699	1,989,435	210,465	12,269
446	Health and personal care stores	309	764,851	88,198	3,866
447	Gasoline stations	360	728,210	56,679	3,884
448	Clothing and accessory stores	1,389	1,751,735	192,240	11,409
451	Sporting goods, hobby, book, and music stores	369	376,741	44,730	3,254
452	General merchandise stores	136	2,273,713	185,352	12,586
453	Miscellaneous store retailers	764	468,002	68,703	4,706
454	Nonstore retailers	109	95,977	15,652	640

1/ For pay period including March 12.

Source: U.S. Bureau of the Census, *1997 Economic Census, Retail Trade, Hawaii*, EC97R44A-HI (November 1999), table 1.

**Table 23.07-- PRIVATE INDUSTRY RETAIL EMPLOYMENT AND WAGES,
ANNUAL AVERAGES: 1999**

SIC code	Retail trade	No. of establishments	Average employment	Total wages (\$1,000)	Average wage
	Total	7,121	112,091	1,990,048	17,754
5231	Paint, glass, and wallpaper stores	14	141	4,602	32,695
5251	Hardware stores	51	1,276	28,149	22,057
5311	Department stores	51	10,336	191,685	18,546
5331	Variety stores	13	151	2,825	18,731
5399	Misc. general merchandise stores	57	524	7,721	14,737
5411	Grocery stores	381	11,245	220,503	19,609
5421	Meat and fish markets	46	325	5,713	17,566
5441	Candy, nut, and confectionery stores	44	297	3,374	11,343
5461	Retail bakeries	119	1,219	17,501	14,361
5499	Misc. food stores	90	853	12,635	14,817
5511	New and used car dealers	77	3,758	155,285	41,324
5531	Auto and home supply stores	170	1,561	37,222	23,838
5541	Gasoline service stations	259	3,265	54,044	16,552
5571	Motorcycle dealers	20	174	4,582	26,395
5611	Men's and boys' clothing stores	55	650	9,849	15,145
5621	Women's clothing stores	228	1,996	35,057	17,562
5632	Women's accessory and specialty stores	97	688	15,357	22,324
5641	Children's and infants' wear stores	16	126	1,358	10,786
5651	Family clothing stores	114	2,328	38,342	16,472
5661	Shoe stores	93	1,084	19,720	18,187
5699	Misc. apparel and accessory stores	180	1,330	19,680	14,803
5712	Furniture stores	91	678	19,913	29,363
5713	Floor covering stores	29	262	7,345	28,008
5714	Drapery and upholstery stores	13	31	662	21,199
5719	Misc. homefurnishing stores	43	357	5,590	15,669
5722	Household appliance stores	40	230	5,208	22,604
5731	Radio, TV, and electronic stores	88	633	13,635	21,540
5734	Computer and software stores	43	472	13,043	27,653
5735	Record and prerecorded tape stores	36	397	4,998	12,604
5736	Musical instrument stores	18	105	2,020	19,334
581	Eating and drinking places	2,635	48,463	654,078	13,496
5912	Drug stores and proprietary stores	159	3,654	100,787	27,581
5932	Used merchandise stores	58	298	4,490	15,067
5941	Sporting goods and bicycle shops	150	1,232	19,754	16,039
5942	Book stores	59	727	11,319	15,562
5943	Stationery stores	25	185	3,748	20,258
5944	Jewelry stores	347	2,141	55,951	26,135

Continued on next page.

**Table 23.07-- PRIVATE INDUSTRY RETAIL EMPLOYMENT AND WAGES,
ANNUAL AVERAGES: 1999 - Con.**

SIC code	Retail trade	No. of establishments	Average employment	Total wages (\$1,000)	Average wage
5945	Hobby, toy, and game shops	29	451	6,209	13,778
5946	Camera and photographic supply stores	6	31	650	20,695
5947	Gift, novelty, and souvenir shops	308	3,380	69,955	20,695
5948	Luggage and leather goods stores	30	390	11,281	28,933
5949	Sewing, needlework, and piece goods	22	223	2,938	13,149
5961	Catalog and mail-order houses	9	46	1,061	23,027
5962	Merchandising machine operators	16	71	930	13,102
5963	Direct selling establishments	41	156	3,964	25,476
5992	Florists	118	620	8,153	13,142
5995	Optical goods stores	44	271	6,120	22,605
5999	Misc. retail stores, not elsewhere classified	314	1,806	37,921	20,992

Source: U.S. Department of Labor, *Employment and Wages Annual Averages, 1999*.

Table 23.08-- RETAIL SALES, BY TYPE OF STORE: 1997 AND 1998

[In millions of dollars; data are estimates]

Kind of store	SIC code	1997	1998
All stores 1/	52 to 59	13,359	2/ 13,537
Food stores	54	2,264	2,284
Grocery stores	541	2,090	2,105
General merchandise stores	53	2,256	2,297
Department stores	531	1,012	1,032
Automotive dealers	55 exc. 554	1,989	1,996
Eating and drinking places	58	1,849	1,877
Gasoline service stations	554	633	591
Building materials and garden supplies	52	544	584
Apparel and accessory stores	56	1,117	1,157
Furniture, homefurnishings stores	57	617	626

1/ Includes other types of stores, not shown separately.

2/ Sales per household were \$34,142, second highest of the 50 States. The U.S. ratio was \$26,544.

Source: Market Statistics (a division of Claritas Inc., Arlington VA), estimates cited in *Statistical Abstract of the United States: 2000*, pp. 766-767.

Table 23.09-- CHARACTERISTICS OF MAJOR SHOPPING CENTERS: 1998

[Includes all centers on Oahu with more than 250,000 square feet of gross leaseable area and all centers on other islands with more than 150,000 square feet]

Island and name of center	Location	Year opened	Site area (acres)	Gross leaseable area (1,000 square feet)	Parking spaces	Number of stores
Oahu:						
Ala Moana Center	Honolulu	1959	50	1,500	7,800	200
Kahala Mall	Honolulu	1970	20	407	1,800	86
Koko Marina S.C.	Honolulu	1963	15	281	855	68
Mililani Town Center	Mililani	1988	45	434	1,675	85
Moanalua S.C.	Honolulu	1952	15	250	500	50+
Pearl City S.C.	Pearl City	1967	14	252	837	34
Pearl Highlands Center	Pearl City	1993	13	410	1,847	20
Pearlridge Center	Aiea	1972	56	1,400	6,600	170
Royal Hawaiian S.C.	Honolulu	1980	7	280	614	150
Waikale Center	Waipahu	1993	42	522	2,162	25
Windward Mall S.C.	Kaneohe	1982	32	530	2,300	100
Hawaii:						
Kaiko'o Mall S.C.	Hilo	1970	15	220	950	33
Keauhou Shopping Center	Kailua	1984	22	170	893	48
Pines Plaza	Kailua	1992	1	161	64	(NA)
Prince Kuhio Plaza	Hilo	1985	46	506	2,831	75
Waiakea Center	Hilo	1997	18	229	1,157	16
Maui:						
Apex Building	Kahului	1995	11	281	146	(NA)
Kaahumanu Center	Kahului	1972	32	573	2,864	102
Lahaina Market Place	Lahaina	1969	2	208	16	17
Maui Mall	Kahului	1972	27	191	1,272	48
Maui Marketplace	Kahului	1997	20	315	1,400	25
Kauai:						
Kukui Grove Center	Lihue	1982	49	461	2,552	64
Poipu Shopping Village	Koloa	1985	4	378	182	34

NA Not available.

Source: International Council of Shopping Centers, Hawaii Chapter, *Hawaii Shopping Center Directory 1998*.

Table 23.10-- CHARACTERISTICS OF SHOPPING MALLS: 1997 TO 2000

Subject	1997	1998	1999	2000
Number of shopping centers	186	186	188	194
Leasable retail area (million square feet)	19.4	19.4	19.6	20.2
Adults shopping in centers (Monthly in millions)	0.8	0.8	0.8	1/ 0.8
Retail sales (billions of dollars)	3.34	3.37	3.54	3.75

1/ Hawaii ranked 41st among the 50 states.

Source: *The Honolulu Advertiser*, June 3, 2001, p.G1.

Table 23.11-- SHOPPING CENTER CHARACTERISTICS: 1996 TO 1999

Characteristic	1996	1997	1998	1999
Number	175	182	182	184
Gross leasable area (mil. sq. ft.)	18	19	19	20
Retail sales (bil. dol.)	3.6	3.9	4.2	4.6

Source: *Statistical Abstract of the United States: 2000* (p. 765) and earlier editions.

Table 23.12-- CHARACTERISTICS OF EATING AND DRINKING PLACES: 1997

Subject	Full- service restaurants	Limited- service restaurants	Cafeterias	Drinking Places
Establishments in business at end of year	1,168	926	8	266
Sales, calendar year (million dollars)	1002.4	653.7	2.8	92.9
Seats, Dec. 31	98,059	28,190	453	16,278
Average cost per meal (establishments):				
Less than \$5.00	134	356	3	...
\$30.00 or more	54	-	-	...
Menu type or specialty (establishments):				
Italian	41	6	-	...
Mexican	29	46	-	...
Chinese	246	43	-	...
Other ethnic	408	153	-	...
Seafood	61	2	-	...
Steak	22	11	-	...
Pizza	50	258	-	...
Chicken	-	46	-	...
Hamburger	1	216	-	...
Sub shop	6	41	-	...
Other food specialty	15	38	-	...
American	328	111	8	...

Source: U.S. Census Bureau, *1997 Economic Census, Miscellaneous Subjects*, EC97R72S-SB(RV) (December 2000), pp. 25, 43, 53-54.

Table 23.13-- DUTY-FREE STORE REVENUES: 1985 TO 2000

[In dollars. These sales revenues are not included in the general excise and use tax base data cited elsewhere in this volume]

Year	Revenues	Year	Revenues
1985	180,126,919	1993	397,322,968
1986	270,891,959	1994	413,417,555
1987	369,788,429	1995 1/	419,548,514
1988	445,072,755	1996 1/	425,824,748
1989	451,185,041	1997	355,636,355
1990	413,932,037	1998	271,692,798
1991	378,587,469	1999	192,429,772
1992	421,953,644	2000	229,392,900

1/ 1995-1996 data have been revised from previous year databook.

Source: DFS Hawaii, records, for 1995-2000 data Hawaii State Department of Transportation, Airport Division records.

Table 23.14-- ALCOHOLIC BEVERAGE SALES, BY TYPE: 1998 TO 2000

Category	Wine gallons of 128 fluid ounces			Wholesale value, 2000 (dollars)
	1998	1999	2000	
All types	32,895,973	32,933,885	33,707,562	332,823,854
Distilled spirits	1,279,963	1,337,880	1,434,126	64,647,556
Sparkling wine	214,025	259,422	208,264	10,998,287
Still wine	2,583,077	2,715,869	2,793,299	83,153,222
Cooler beverage	216,763	216,118	206,902	2,803,134
Draft beer	1,621,911	1,735,885	1,927,724	8,189,399
Beer other than draft	26,980,234	26,668,711	27,137,247	163,032,256

Source: Hawaii State Department of Taxation, Tax Research and Planning, records.

**Table 23.15-- MERCHANDISE LINE SALES FOR RETAIL TRADE
IN HAWAII: 1997**

Merchan- dise line code	Kind of business and merchandise line	Number of establish- ments	Sales of specified merchandise line		
			Amount (\$1,000)	As percent of total sales of --	
				Establish- ments handling line	All establish- ments
	Retail trade	5,088	11,317,752	(X)	100.0
100	Groceries and other food items	1,298	1,910,787	40.1	16.9
120	Meals and snacks	430	119,935	6.0	1.1
140	Packaged alcoholic beverages	743	280,830	7.1	2.5
150	Cigars, cigarettes, and tobacco	976	193,535	4.3	1.7
160	Drugs, health aids, and beauty aids	1,035	776,494	14.7	6.9
180	Soaps, detergents, and household cleaners	547	95,687	2.7	0.8
190	Paper and related products	634	117,699	3.3	1.0
200	Men's wear	931	468,259	13.0	4.1
220	Women's, juniors', and misses' wear	1,113	936,203	24.7	8.3
240	Children's wear	511	139,497	6.9	1.2
260	Footwear	773	298,683	8.6	2.6
270	Sewing, knitting, and needlework goods	154	21,438	2.1	0.2
280	Curtains, draperies, and dry goods	185	63,319	3.9	0.6
300	Major household appliances	106	92,644	21.1	0.8
310	Small electric appliances	180	30,988	1.3	0.3
320	Televisions, video equipment, videotapes	217	67,820	5.4	0.6
330	Audio equipment, musical instruments and supplies	320	119,940	10.2	1.1
340	Furniture and sleep equipment	214	125,314	12.4	1.1
360	Floor coverings	94	60,348	14.3	0.5
370	Computer hardware, software, and supplies	112	124,338	28.2	1.1
380	Kitchenware and homefurnishings	609	132,298	3.7	1.2
400	Jewelry	1,056	498,437	12.6	4.4
420	Books	404	89,691	3.7	0.8
440	Photographic equipment and supplies	247	33,259	1.5	0.3
460	Toys, hobby goods, and games	453	116,057	3.8	1.0
490	Optical goods	278	45,595	5.0	0.4

Continued on next page.

**Table 23.15-- MERCHANDISE LINE SALES FOR RETAIL TRADE
IN HAWAII: 1997 -- Con.**

Merchandise line code	Kind of business and merchandise line	Number of establishments	Sales of specified merchandise line		
			Amount (\$1,000)	As percent of total sales of --	
				Establishments handling line	All establishments
500	Sporting goods	406	163,942	6.8	1.4
600	Hardware, tools, and plumbing and electrical supplies	385	294,216	9.2	2.6
620	Lawn and garden equipment	449	150,684	5.3	1.3
640	Lumber, millwork, building materials	168	204,318	46.0	1.8
670	Paint and related preservatives and supplies	153	71,393	12.9	0.6
690	Wallpaper	14	596	2.5	0.0
700	Cars, vans, trucks, and other powered vehicles	96	1,274,548	84.4	11.3
720	Automotive fuels	380	538,555	70.4	4.8
730	Automotive lubricants	590	39,541	1.2	0.3
740	Automotive tires, batteries, accessories	483	312,323	13.0	2.8
780	Household fuels	44	34,238	32.0	0.3
800	Pets, pet foods, and pet supplies	341	64,066	2.6	0.6
850	All other merchandise	1,749	699,275	12.5	6.2
9810	All other merchandise	754	193,773	6.2	1.7
9900	Nonmerchandise receipts	958	316,673	7.5	2.8

X Not applicable.

Source: U.S. Census Bureau, Economic Census 1997, extracted from American FactFinder from Census Bureau website, E9744L1.MBD: Retail Trade: Merchandise Lines by Kind of Business: 1997 (Table 1).

**Table 23.16-- WHOLESALE TRADE ESTABLISHMENTS AND SALES:
1939 TO 1997**

[Based on then-current definition]

Year	Number of establishments	Sales (\$1,000)	Year	Number of establishments	Sales (\$1,000)
1939	704	97,045	1972	1,336	1,538,429
1948	702	480,734	1977	1,569	2,571,489
1954	594	581,940	1982	1,737	4,084,369
1958	793	618,155	1987	1,998	5,362,490
1963	974	735,205	1992	2,202	8,001,621
1967	1,030	1,013,813	1997	1,872	7,147,462

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (1977), table 20.7; U.S. Census Bureau, *1977 Census of Wholesale Trade*, WC77-A-12 (Rev.), *1982 Census of Wholesale Trade*, WC82-A-12, *1987 Census of Wholesale Trade*, WC87-A-12, and *1992 Census of Wholesale Trade*, WC92-A-12, *1997 Economic Census, Wholesale Trade, Hawaii*, EC97W42A-HI(RV) (March 2000), table 1.

**Table 23.17-- CHARACTERISTICS OF WHOLESALE ESTABLISHMENTS,
FOR THE STATE, 1992 AND 1997, AND OAHU AND THE NEIGHBOR
ISLANDS, 1997**

Subject	1992	1997		
		State total	Oahu	Neighbor Islands
Number of establishments	2,202	1,872	1,463	409
Sales (\$1,000)	8,001,621	7,147,462	6,079,891	1,067,571
Annual payroll (\$1,000)	624,541	575,955	486,975	88,980
First quarter payroll (\$1,000)	150,772	138,454	117,329	21,125
Paid employees for pay period including March 12 (number)	23,308	18,532	15,423	3,109
Operating expenses (\$1,000)	1,332,892	1,213,543	1,017,689	195,854
Inventories (\$1,000):				
Beginning of year	794,259	691,610	604,482	87,128
End of year	787,828	734,465	642,470	91,995

NA Not available.

Source: U.S. Census Bureau, *1992 Census of Wholesale Trade, Hawaii*, WC92-A-12 (November 1994), tables 1, 3, 7, and 8; *1997 Economic Census, Wholesale Trade, Geographic Area Series, Hawaii*, EC97W42A-HI(RV) (March 2000), table 1 and 5.

Table 23.18-- WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1997

NAICS codes	Type of operation and kind of business	Number of establishments	Sales (\$1,000)	Annual payroll (\$1000)	Paid employees, pay period including March 12
42	Wholesale trade	1,872	7,147,462	575,955	18,532
	Type of operation:				
	Merchant wholesalers	1,606	5,088,686	473,494	15,934
	Manufacturers' sales branches and sales offices	108	1,369,799	80,676	1,829
	Agents, brokers, and commission merchants	158	688,977	21,785	769
	Kind of business:				
4211	Motor vehicles and motor vehicle parts and supplies	59	299,862	18,818	738
4212	Furniture and homefurnishings	60	112,853	11,496	415
4213	Lumber and other construction materials	53	175,511	14,784	405
4214	Professional and commercial equipment and supplies	152	549,838	76,398	1,840
4215	Metals and minerals, except petroleum	29	63,686	8,448	246
4216	Electrical goods	112	350,849	35,000	930
4217	Hardware, and plumbing and heating equipment and supplies	76	132,140	17,209	511
4218	Machinery, equipment, and supplies	141	271,903	42,255	1,220
4219	Miscellaneous durable goods	207	265,527	26,884	1,034
4221	Paper and paper products	76	274,118	28,497	923
4222	Drugs, drug proprietaries, and druggists' sundries	58	501,086	23,380	668
4223	Apparel, piece goods, and notions	156	284,985	24,818	1,006
4224	Groceries and related products	381	2,188,753	152,857	5,663
4225	Farm-product raw materials	9	11,733	1,182	70
4226	Chemicals and allied products	49	106,947	11,425	339
4227	Petroleum and petroleum products	43	898,052	22,372	518
4228	Beer, wine, and distilled alcoholic beverages	31	354,613	31,352	816
4229	Miscellaneous nondurable goods	180	305,006	28,780	1,190

Source: U.S. Census Bureau, *1997 Economic Census, Wholesale Trade, Geographic Area Series, Hawaii*, EC97W42A-HI(RV) (March 2000), table 1.

Table 23.19-- WHOLESALE TRADE, FOR COUNTIES AND SPECIFIED PLACES: 1997

Geographic area	All wholesalers		Merchant wholesalers	
	Number of establishments	Sales (\$1,000)	Number of establishments	Sales (\$1,000)
State total	1,872	7,147,462	1,606	5,088,686
Hawaii County	179	457,317	156	367,182
Hilo	87	314,200	75	240,104
Kailua	34	60,574	32	(D)
Honolulu County	1,463	6,079,891	1,244	4,215,679
Aiea	70	293,347	60	229,327
Ewa Beach	11	352,507	7	(D)
Halawa	10	4,554	10	4,554
Honolulu	1,114	4,537,499	950	2,987,420
Kailua	26	58,412	17	27,758
Kaneohe	22	23,091	17	13,278
Mililani Town	14	37,540	12	(D)
Pearl City	37	176,063	33	(D)
Wahiawa	5	5,005	5	5,005
Waimalu	18	10,026	15	(D)
Waipahu	60	364,737	54	356,431
Kauai County	64	176,689	55	(D)
Lihue	35	112,582	29	(D)
Maui County	166	433,565	151	(D)
Island of Lanai	2	(D)	1	(D)
Kaunakakai	4	3,308	4	3,308
Makawao	7	4,816	6	(D)
Kahului	54	205,784	50	193,860
Kihei	10	15,910	10	15,910
Lahaina	9	6,009	8	(D)
Wailuku	45	126,858	42	(D)

D Withheld to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, *1997 Economic Census, Wholesale Trade, Hawaii*, EC97W42A-HI(RV) (March 2000), table 5 and 7.

**Table 23.20-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
ESTABLISHMENTS WITH PAYROLL AND SUBJECT TO FEDERAL INCOME
TAX, FOR COUNTIES AND SELECTED URBAN PLACES: 1997**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
State total	2,480	1,574,036	606,466	15,743
Hawaii County	246	73,290	24,923	933
Hilo	124	35,648	13,798	573
Holualoa	5	709	170	10
Kailua	58	26,680	8,179	230
Kalaoa	3	494	185	8
Honolulu County	1,917	1,400,629	546,818	13,729
Aiea	30	12,612	5,296	170
Ewa Beach				
Halawa	6	1,782	534	15
Heeia	3	295	79	3
Honolulu	1,650	1,282,534	503,208	12,014
Kahaluu	6	1,060	150	19
Kailua	67	20,399	7,785	202
Kaneohe	25	7,596	2,615	97
Maunawili	6	2,372	578	38
Mililani Town	14	11,120	5,733	87
Pearl City	12	6,418	2,596	91
Wahiawa	8	1,439	517	26
Waimalu	22	12,334	6,077	380
Waipahu	15	3,675	1,354	49
Kauai County	90	24,952	8,994	327
Kalaheo	5	454	143	10
Kapaa	12	2,599	956	56
Lihue	39	10,849	4,463	149
Maui County	227	75,165	25,731	754
Haiku-Pauwela	8	545	115	3
Kahului	27	10,423	3,277	78
Kihei	31	6,994	2,059	89
Lahaina	14	3,444	1,118	42
Makawao	7	1,387	622	24
Pukalani	9	1,733	700	24
Wailea-Makena	11	1,211	317	12
Wailuku	96	45,325	16,527	447

Source: U.S. Census Bureau, *1997 Economic Census, Professional, Scientific, and Technical Services, Geographic Area Series*, EC97S54A-HI (August 1999), table 1a, 3, and 4.

**Table 23.21-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT
AND REMEDIATION SERVICES ESTABLISHMENTS WITH PAYROLL AND
SUBJECT TO FEDERAL INCOME TAX, FOR COUNTIES AND SELECTED
URBAN PLACES: 1997**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
State total	1,541	1,519,140	638,465	32,488
Hawaii County	154	87,034	46,908	2,813
Hilo	54	24,379	12,379	1,111
Holualoa	6	1,590	488	28
Kailua	52	45,446	30,497	1,483
Honolulu County	1,126	1,316,348	549,216	27,170
Ahuimanu	4	464	173	16
Aiea	32	21,868	9,945	689
Ewa Beach	8	3,022	1,627	54
Halawa	6	924	240	21
Honolulu	872	1,123,068	490,859	24,122
Kailua	26	5,642	2,312	113
Kaneohe	29	5,754	2,234	113
Mililani Town	13	2,381	782	94
Pearl City	22	11,901	4,330	271
Wahiawa	9	2,720	614	29
Waianae	7	1,248	604	38
Waimalu	18	10,603	4,726	309
Waipahu	17	6,160	2,397	154
Waipio	3	453	251	18
Kauai County	67	25,822	8,123	483
Kapaa	7	1,310	159	6
Lihue	32	13,822	4,782	320
		(D)	(D)	(a)
Maui County	194	89,936	34,218	2,022
Haiku-Pauwela	4	794	217	15
Kahului	34	26,652	10,895	800
Kihei	28	5,649	2,171	107
Lahaina	30	17,525	6,288	363
Makawao	4	417	77	4
Napili-Honokowai	3	258	161	6
Pukalani	5	849	361	13
Wailea-Makena	14	6,804	3,965	170
Wailuku	40	17,948	6,278	302

Source: U.S. Census Bureau, *1997 Economic Census, Administrative and Support and Waste Management and Remediation Services, Geographic Area Series, EC97S56A-HI* (September 1999), table 1, 3, and 4.

**Table 23.22-- EDUCATIONAL SERVICES ESTABLISHMENTS WITH
PAYROLL AND SUBJECT TO FEDERAL INCOME TAX, FOR COUNTIES
AND SELECTED URBAN PLACES: 1997**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
State total	209	52,837	18,679	1,214
Hawaii County	21	5,012	1,513	104
Hilo	8	1,472	423	41
Kailua	5	1,828	520	44
Honolulu County	149	42,009	15,778	994
Aiea	6	2,674	883	57
Honolulu	101	31,857	12,784	703
Kailua	4	550	263	25
Kaneohe	4	348	92	8
Mililani Town	3	518	124	24
Pearl City	5	295	95	17
Waimalu	6	1,074	341	27
Kauai County	6	957	161	25
Maui County	33	4,859	1,227	91
Kahului	7	952	172	15
Kihei	5	742	272	8
Lahaina	5	707	121	9
Wailuku	7	830	152	17

Source: U.S. Census Bureau, *1997 Economic Census, Educational Services, Geographic Area Series*, EC97S61A-HI (August 1999), table 1a, 3, and 4.

**Table 23.23-- ARTS, ENTERTAINMENT, AND RECREATION ESTABLISHMENTS
WITH PAYROLL AND SUBJECT TO FEDERAL INCOME TAX, FOR COUNTIES
AND SELECTED URBAN PLACES: 1997**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
State total	386	409,640	116,600	6,925
Hawaii County	45	34,417	10,689	653
Hilo	11	4,186	1,023	129
Kailua	12	6,231	1,920	123
Honolulu County	234	273,565	79,051	4,915
Aiea	6	8,497	2,769	169
Honolulu	159	143,529	43,151	2,592
Kailua	9	11,847	3,367	248
Kaneohe	6	4,138	1,353	72
Mililani Town	3	6,807	2,183	149
Pearl City	5	2,174	600	37
Waimalu	9	11,236	2,990	208
Kauai County	27	23,514	6,721	412
Kapaa	5	2,244	618	75
Lihue	11	9,852	2,773	181
Maui County	80	78,144	20,139	945
Kahului	6	3,359	931	61
Kihei	18	11,712	3,505	186
Lahaina	21	35,398	8,327	260

Source: U.S. Census Bureau, *1997 Economic Census, Arts, Entertainment, and Recreation, Geographic Area Series*, EC97S71A-HI (August 1999), table 1a, 3, and 4.

**Table 23.24-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)
ESTABLISHMENTS WITH PAYROLL AND SUBJECT TO FEDERAL INCOME
TAX, FOR COUNTIES AND SELECTED URBAN PLACES: 1997**

Geographic area	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
State total	1,476	683,196	206,420	10,375
Hawaii County	157	50,292	14,470	808
Hilo	76	28,639	8,871	476
Kailua	46	16,819	4,580	243
Honolulu County	1,097	560,782	170,662	8,402
Aiea	50	24,266	7,058	304
Ewa Beach	6	5,025	1,245	41
Halawa	5	691	208	13
Honolulu	748	395,504	116,973	5,786
Kailua	36	13,259	4,662	229
Kaneohe	55	37,045	12,219	729
Laie	3	759	203	18
Mililani Town	18	3,644	1,200	91
Pearl City	27	15,574	4,565	197
Wahiawa	24	12,425	4,270	196
Waianae	7	789	245	24
Waimalu	28	13,541	4,311	220
Waipahu	55	22,879	7,413	291
Kauai County	59	17,942	5,101	281
Kapaa	8	1,602	442	31
Lihue	25	8,214	2,505	98
Maui County	163	54,180	16,187	884
Island of Lanai	1	(D)	(D)	(a)
Haiku-Pauwela	4	960	178	11
Kahului	35	18,293	6,323	341
Kihei	18	3,952	1,099	52
Lahaina	19	4,539	1,212	65
Pukalani	8	1,051	213	14
Wailea-Makena	8	1,856	537	28
Wailuku	46	18,164	5,686	321

a 0 to 19 employees.

D Withheld to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, *1997 Economic Census, Other Services (Except Public Administration), Geographic Area Series, EC97S81A-HI* (December 1999), table 1a, 3, and 4.

**Table 23.25-- PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
ESTABLISHMENTS WITH PAYROLL, BY KIND OF BUSINESS OR
OPERATION: 1997**

NAICS code	Kind of business or operation	Establishments (number)	Receipts/Revenues (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms Subject to Federal Income Tax				
54	Professional, scientific, and technical services	2,480	1,574,036	606,466	15,743
541	Professional, scientific, and technical services	2,480	1,574,036	606,466	15,743
5411	Legal services	786	530,852	213,614	4,325
5412	Accounting, tax return prep, bookkeeping, and payroll services	467	212,380	82,032	3,155
5413	Architectural, engineering, and related services	498	426,024	168,162	3,735
5414	Specialized design services	88	35,232	7,711	263
5415	Computer systems design and related services	124	97,935	38,367	906
5416	Management, scientific, and technical consulting services	240	97,727	32,117	980
5417	Scientific research and development services	18	42,455	21,047	274
5418	Advertising and related services	135	78,571	28,015	811
5419	Other professional, scientific, and technical services	124	52,860	15,401	1,294
	Firms Exempt from Federal Income Tax				
54	Professional, scientific, and technical services	43	88,140	21,507	472
541	Professional, scientific, and technical services	43	88,140	21,507	472
5411	Legal services	18	6,396	3,688	106
5417	Scientific research and development services	25	81,744	17,819	366

Source: U.S. Census Bureau, *1997 Economic Census, Professional, Scientific, and Technical Services, Geographic Area Series*, EC97S54A-HI (August 1999), table 1a and 1b.

Table 23.26-- ADMINISTRATIVE AND SUPPORT AND WASTE MANAGEMENT AND REMEDIATION SERVICES ESTABLISHMENTS WITH PAYROLL AND SUBJECT TO FEDERAL INCOME TAX, BY KIND OF BUSINESS OR OPERATION: 1997

NAICS code	Kind of business or operation	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
56	Administrative and support and waste management and remediation services	1,541	1,519,140	638,465	32,488
561	Administrative and support services	1,458	1,345,293	599,457	31,406
5611	Office administrative services	109	95,460	45,720	1,568
5612	Facilities support services	7	16,344	8,736	234
5613	Employment services	81	191,650	137,072	8,565
5614	Business support services	123	280,769	105,585	4,062
5615	Travel arrangement and reservation services	597	444,280	149,582	6,106
5616	Investigation and security services	101	120,246	71,232	5,182
5617	Services to buildings and dwellings	353	157,144	69,301	4,648
5619	Other support services	87	39,400	12,229	1,041
562	Waste management and remediation services	83	173,847	39,008	1,082
5621	Waste collection	28	78,917	15,910	476
5622	Waste treatment and disposal	15	26,958	3,734	160
5629	Remediation and other waste management services	40	67,972	19,364	446

Source: U.S. Census Bureau, *1997 Economic Census, Administrative and Support and Waste Management and Remediation Services, Geographic Area Series*, EC97S56A-HI (September 1999), table 1.

**Table 23.27-- EDUCATIONAL SERVICES ESTABLISHMENTS WITH
PAYROLL, BY KIND OF BUSINESS OR OPERATION: 1997**

NAICS code	Kind of business or operation	Establish- ments (number)	Receipts/ Revenues (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms Subject to Federal Income Tax				
61	Educational services	209	52,837	18,679	1,214
611	Educational services	209	52,837	18,679	1,214
6114	Business schools, and computer and management training	22	7,170	4,137	166
6115	Technical and trade schools	19	7,313	2,179	137
6116	Other schools and instruction	157	35,904	11,390	880
6117	Educational support services	11	2,450	973	31
	Firms Exempt from Federal Income Tax				
61	Educational services	68	22,849	7,417	396
611	Educational services	68	22,849	7,417	396
6114	Business schools, and computer and management training	5	1,517	549	23
6115	Technical and trade schools	10	6,269	1,611	47
6116	Other schools and instruction	46	8,290	3,397	260
6117	Educational support services	7	6,773	1,860	66

Source: U.S. Census Bureau, *1997 Economic Census, Education Services, Geographic Area Series*, EC97S61A-HI (August 1999), table 1a and 1b.

Table 23.28-- ARTS, ENTERTAINMENT, AND RECREATION ESTABLISHMENTS WITH PAYROLL, BY KIND OF BUSINESS OR OPERATION: 1997

NAICS code	Kind of business or operation	Establishments (number)	Receipts/Revenues (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms Subject to Federal Income Tax				
71	Arts, entertainment, and recreation	386	409,640	116,600	6,925
711	Performing arts, spectator sports, and related industries	107	94,597	25,505	1,528
7111	Performing arts companies	49	66,471	18,733	1,197
7112	Spectator sports	4	1,259	890	22
7113	Promoters of performing arts, sports, and similar events	13	14,804	1,765	129
7114	Agents/managers for artist, athletes, and other public figures	14	6,342	1,829	121
7115	Independent artists, writers, and performers	27	5,721	2,288	59
712	Museums, historical sites, and similar institutions	11	4,640	1,216	114
7121	Museums, historical sites, and similar institutions	11	4,640	1,216	114
713	Amusement, gambling, and recreation industries	268	310,403	89,879	5,283
7131	Amusement parks and arcades	34	36,131	7,513	488
7139	Other amusement and recreation services	234	274,272	82,366	4,795
	Firms Exempt from Federal Income Tax				
71	Arts, entertainment, and recreation	84	136,795	46,036	2,806
711	Performing arts, spectator sports, and related industries	20	15,003	5,478	300
7111	Performing arts companies	17	13,319	5,121	273
7113	Promoters of performing arts, sports, and similar events	3	1,684	357	27
712	Museums, historical sites, and similar institutions	39	87,388	29,861	1,881
7121	Museums, historical sites, and similar institutions	39	87,388	29,861	1,881
713	Amusement, gambling, and recreation industries	25	34,404	10,697	625
7139	Other amusement and recreation services	25	34,404	10,697	625

Source: U.S. Census Bureau, *1997 Economic Census, Arts, Entertainment, and Recreation, Geographic Area Series*, EC97S71A-HI (August 1999), table 1a and 1b.

**Table 23.29-- OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION)
ESTABLISHMENTS WITH PAYROLL, BY KIND OF BUSINESS OR
OPERATION: 1997**

NAICS code	Kind of business or operation	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
	Firms Subject to Federal Income Tax				
81	Other services (except public admin.)	1,476	683,196	206,420	10,375
811	Repair and maintenance	710	352,182	101,332	3,941
8111	Automotive repair and maintenance	461	224,739	62,749	2,608
8112	Electronic and precision equipment repair and maintenance	61	20,854	5,453	213
8113	Commercial and industrial machinery and equipment repair and maintenance	74	51,598	15,190	455
8114	Personal and household goods repair and maintenance	114	54,991	17,940	665
812	Personal and laundry services	766	331,014	105,088	6,434
8121	Personal care services	382	66,763	27,338	1,946
8122	Death care services	37	60,232	19,835	898
8123	Drycleaning and laundry services	93	87,468	31,554	2,042
8129	Other personal services	254	116,551	26,361	1,548
	Firms Exempt from Federal Income Tax				
81	Other services (except public admin.)	1,135	657,578	137,517	7,096
813	Religious/grantmaking/civic/professional and similar organization	1,135	657,578	137,517	7,096
8132	Grantmaking and giving services	52	117,512	11,253	476
8133	Social advocacy organizations	48	51,627	14,613	566
8134	Civic and social organizations	73	35,716	14,834	1,226
8139	Business/professional/labor/political/and similar organizations	962	452,723	96,817	4,828

Source: U.S. Census Bureau, *1997 Economic Census, Other Services (Except Public Administration), Geographic Area Series, EC97S81A-HI* (December 1999), table 1a and 1b.

**Table 23.30-- TRAVEL ARRANGEMENT AND RESERVATION SERVICES
(NAICS 5615): 1997**

[Includes only establishments with payroll]

NAICS code	Kind of business	Establishments	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees, Mar. 12
5615	All establishments	597	444,280	149,582	6,106
56151	Travel agencies	362	201,872	70,943	2,845
56152	Tour operators	180	151,139	61,289	2,440
56159	Other travel arrangement & reservation services 1/	55	91,269	17,350	821

1/ Includes convention & visitors bureaus (13 establishments). Excludes convention and trade show organizers (NAICS 56192; 22 establishments).

Source: U.S. Bureau of the Census, *1997 Economic Census, Administrative and Support and Waste Management and Remediation Services, Hawaii* (Sept. 1999), table 1.

Table 23.31-- ACCOMMODATION AND FOODSERVICES, FOR COUNTIES AND SPECIFIED PLACES: 1997

Geographic area	Number of establishments	Sales (\$1,000)	Annual payroll (\$1000)	Paid employees for pay period including March 12 (number)
State total	3,081	5,007,899	1,507,538	88,083
Hawaii County	326	546,576	188,103	10,441
Hilo	116	64,725	18,517	1,881
Kailua	91	98,669	34,903	2,220
Honolulu County	2,125	3,036,837	852,782	53,916
Aiea	81	38,136	10,147	995
Ewa Beach	16	10,308	2,578	254
Halawa	10	5,636	1,247	129
Honolulu	1,503	2,603,981	733,432	42,549
Kaneohe	60	36,854	9,527	1,009
Laie	7	4,837	1,232	139
Nanakuli	4	3,327	764	96
Pearl City	42	27,917	7,201	734
Wahiawa	43	23,650	6,296	639
Waimalu	43	39,766	10,181	884
Waimanalo Beach	4	1,758	447	53
Waipahu	77	48,675	12,569	1,287
Kauai County	210	293,784	102,273	5,775
Kapaa	47	43,520	15,087	1,045
Lihue	62	81,036	34,892	1,824
Maui County	420	1,130,702	364,380	17,951
Island of Lanai	2	(D)	(D)	(b)
Island of Molokai	4	3,922	1540	143
Haiku-Pauwela	3	932	199	28
Kahului	63	56,199	15,285	1,162
Kihei	74	82,830	27,889	1,639
Lahaina	100	218,043	60,212	3,514
Napili-Honokowai	22	76,654	21,087	1,123
Pukalani	10	4,534	1,083	129
Wailea-Makena	19	209,787	66,079	2,725

D Withheld to avoid disclosing data for individual companies.

b 20-99 employees.

Source: U.S. Census Bureau, *1997 Economic Census, Accommodation and Foodservices, Geographic Area Series, Hawaii*, EC97R72A-HI, (October 1999), table 3 and 4.

Table 23.32-- ACCOMMODATION AND FOODSERVICES: 1997

[Includes only establishments with payroll. Apparently excludes condominium units in rental pools for transient use]

NAICS codes	Subject	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12
72	Accommodation and foodservices	3,081	5,007,899	1,507,538	88,083
721	Accommodation	309	3,026,903	952,423	40,105
7211	Traveler accommodation	294	3,024,571	951,821	40,064
72111	Hotels	280	3,020,867	950,983	39,990
7211101	25 guestrooms or more	241	3,009,173	948,715	39,823
7211102	Less than 25 guestrooms	23	6,854	1,412	90
7211103	Motels	16	4,840	856	77
72119	Other traveler accommodation 1/	14	3,704	838	74
7212	RV parks and recreational camps	6	603	171	12
7213	Rooming and boarding houses	9	1,729	431	29
722	Foodservices and drinking places	2,772	1,980,996	555,115	47,978
7221	Full-service restaurants	1,207	1,002,421	309,458	25,170
7222	Limited-service eating places	1,185	723,521	178,691	17,988
7223	Special foodservices	96	162,149	46,009	2,846
72231	Foodservice contractors	51	142,848	40,228	2,267
72232	Caterers	22	12,597	4,173	447
72233	Mobile foodservices	23	6,704	1,608	132
7224	Drinking Places	284	92,905	20,957	1,974

1/ Includes Bed & breakfast inns and all other traveler accommodations.

Source: U.S. Census Bureau, *1997 Economic Census, Accommodation and Foodservices, Hawaii*, EC97R72A-HI (October 1999), table 1.

**Table 23.33-- MERCHANDISE LINE SALES FOR ACCOMMODATION AND
FOODSERVICE IN HAWAII: 1997**

Merchan- dise line code	Kind of business and merchandise line	Number of establish- ments	Sales of specified merchandise line		
			Amount (\$1,000)	As percent of total sales of --	
				Establish- ments handling line	All establish- ments
	Accommodation and foodservices	3,081	5,007,899	(X)	100.0
10	Guestroom or unit rentals	312	2,054,776	67.7	41.0
20	Camp tuition or fee	9	693	4.5	(Z)
30	Telephone service charges	184	42,031	1.6	0.8
40	Gaming receipts	24	148	2.5	(Z)
50	Rental of public rooms	69	17,012	1.2	0.3
60	Membership dues and fees	15	764	0.3	(Z)
100	Groceries and other food items	169	14,024	6.8	0.3
120	Meals and snacks	2,747	2,224,058	48.0	44.4
130	Alcoholic drinks	1,131	344,730	11.1	6.9
140	Packaged alcoholic beverages	44	19,419	6.2	0.4
150	Cigars, cigarettes, and tobacco	74	1,272	0.3	(Z)
9810	All other merchandise	259	80,400	5.4	1.6
9980	Nonmerchandise receipts	374	208,572	7.1	4.2

X Not applicable.

Z Less than 0.05 percent.

Source: U.S. Census Bureau, Economic Census 1997, extracted from American FactFinder from Census Bureau website, E9772L1.MBD: Accommodation and Food services: Merchandise Lines by Kind of Business: 1997 (Table 1).

Table 23.34-- VISITOR ACCOMMODATIONS, BY COUNTIES: 1965 TO 2000

[Number of units]

Year	State total	City & County of Honolulu	Hawaii County	Kauai County	Maui County
1965	12,903	10,031	865	776	1,231
1966	14,827	11,083	1,387	860	1,497
1967	17,217	12,598	1,790	1,115	1,714
1968	18,657	13,166	2,188	1,260	2,043
1969	22,801	15,992	2,480	1,914	2,415
1970	26,923	18,449	3,166	2,565	2,743
1971	32,289	22,531	3,435	2,628	3,695
1972	35,797	24,742	4,241	2,719	4,095
1973	36,608	25,108	4,796	2,629	4,075
1974	38,675	25,365	5,234	2,868	5,208
1975	39,632	25,352	5,348	3,102	5,830
1976	42,648	25,851	6,045	3,520	7,232
1977	44,986	27,363	5,929	3,657	8,037
1978	47,070	28,546	6,002	3,786	8,736
1979	49,832	30,065	6,093	4,202	9,472
1980	54,246	34,334	5,889	4,322	9,701
1981	56,769	33,967	6,705	4,738	11,359
1982	57,968	33,492	7,167	5,147	12,162
1983	58,765	34,354	7,469	4,193	12,749
1984	62,448	36,848	7,149	5,313	13,138
1985	65,919	38,600	7,511	5,656	14,152
1986	66,308	39,010	7,280	5,922	14,096
1987	65,318	38,185	7,328	5,956	13,849
1988	69,012	37,841	8,823	7,180	15,168
1989	67,734	36,467	8,161	7,398	15,708
1990	71,266	36,899	8,952	7,546	17,869
1991	72,275	36,623	9,383	7,567	18,702
1992	73,089	36,851	9,170	7,778	19,290
1993	69,502	36,604	9,140	4,631	19,127
1994	70,463	36,194	9,595	5,870	18,804
1995	(NA)	(NA)	(NA)	(NA)	(NA)
1996	70,288	36,146	9,558	6,760	17,824
1997	71,025	35,971	9,913	6,589	18,552
1998	71,480	36,206	9,655	6,969	18,650
1999	71,157	35,861	9,815	6,872	18,609
2000	71,506	36,303	9,774	7,159	18,270

NA Not available.

Source: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *Visitor Plant Inventory* (annual).

Table 23.35-- VISITOR ACCOMMODATIONS, BY TYPE: 1986 TO 2000

Year and month	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
1986: Feb.	523	201	322	66,308	43,309	22,999
1987: Feb.	510	196	314	66,318	43,422	21,896
1988: Feb.	481	203	278	69,012	47,892	21,120
1989: Feb.	452	197	255	67,734	48,894	18,840
1990: Feb.	533	264	269	71,266	52,438	18,828
1991: Feb.	595	313	282	72,275	52,688	19,587
1992: Spring	664	374	295	73,089	51,134	21,955
1993: June	698	406	292	69,502	49,111	20,391
1994: Dec.	692	397	295	70,463	49,436	21,027
1995	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1996: May	770	472	298	70,288	49,737	20,551
1997: Spring	821	607	214	71,025	53,735	17,290
1998:	882	669	213	71,480	54,055	17,425
1999:	832	620	212	71,157	53,954	17,203
2000:	873	668	205	71,506	54,859	16,647

NA Not available.

1/ Hotels, apartment hotels, bed-and-breakfast, bungalows, cottages, hostels, and lodges. Properties with both condo and hotel units are included with condominiums in 1990 and later years; treatment before 1990 not specified.

2/ Condominium accommodations in rental pools for transient use. Includes condo/hotel units.

Source: Hawaii Visitors & Convention Bureau, *Visitor Plant Inventory*, 1986 to 1998; Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *Visitor Plant Inventory* (annual) for 1999 and 2000.

**Table 23.36-- VISITOR ACCOMMODATIONS, BY TYPE AND BY ISLANDS:
1999 AND 2000**

Year and island	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
1999						
State total	832	620	212	71,157	53,954	17,203
Oahu	194	163	31	35,861	31,956	3,905
Waikiki/Honolulu	116	90	26	31,249	27,898	3,351
Rest of Oahu	78		5	4,612	4,058	554
Other islands	638	457	181	35,296	21,998	13,298
Hawaii	152	121	31	9,815	7,740	2,075
Maui	231	126	105	17,682	9,691	7,991
Lanai	6	6	-	369	369	-
Molokai	11	6	5	558	327	231
Kauai	238	198	40	6,872	3,871	3,001
2000						
State total	873	668	205	71,506	54,859	16,647
Oahu	200	172	28	36,303	32,774	3,529
Waikiki/Honolulu	117	93	24	31,557	28,578	2,979
Rest of Oahu	83	79	4	4,746	4,196	550
Other islands	673	496	177	35,203	22,085	13,118
Hawaii	172	143	29	9,774	7,852	1,922
Maui	241	137	104	17,473	9,706	7,767
Lanai	6	6	-	368	368	-
Molokai	10	6	4	429	312	117
Kauai	244	204	40	7,159	3,847	3,312

1/ Hotels, apartment hotels, bed-and-breakfast, bungalows, cottages, hostels, and lodges. Properties with both condo and hotel units are included with condominiums.

2/ Condominium accommodations in rental pools for transient use. Includes condo/hotel units.

3/ Accommodation type grouped differently than in previous years.

Source: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, Visitor Plant Inventory (annual).

Table 23.37-- VISITOR ACCOMMODATIONS, BY TYPE AND GEOGRAPHIC AREA: 2000

[Accommodation type grouped differently than in previous years]

Type of accommodation	Properties			Units		
	State total	Oahu	Other islands	State total	Oahu	Other islands
All types	873	200	673	71,506	36,303	35,203
Apartment-hotel	21	14	7	649	574	75
Bed and breakfast	135	14	121	514	35	479
Condominium	205	28	177	16,647	3,529	13,118
Hotel	161	82	79	50,681	31,256	19,425
Other 1/	351	62	289	3,015	909	2,106

1/ Hostel, lodge, etc.

Source: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *2000 Visitor Plant Inventory* (annual).

Table 23.38-- HOTELS AND OTHER LODGING PLACES (NAICS 7211), BY COUNTIES: 1994 TO 1999

County	1994 1/	1995 1/	1996 1/	1997 1/	1998	1999
State total	285	283	282	291	298	295
Hawaii	38	38	41	41	48	48
Honolulu	145	147	137	138	133	130
Kauai	35	32	31	31	38	36
Maui	67	66	73	81	79	81

NA Not available.

1/ County Business Patterns data from before 1998 reported in SIC (SIC 70) rather than NAICS.

Source: U.S. Bureau of the Census, *County Business Patterns, Hawaii* (annual report), and unpublished 1994 data.

Table 23.39-- VISITOR ACCOMMODATIONS, BY NIGHTLY PRICE: 2000

[Accommodation type grouped differently than in previous years]

Island and type of accommodation 1/	All levels	\$100 or less	\$101 to \$250	\$251 to \$500	Over \$500
Number reporting	70,041	16,079	29,202	21,171	3,589
Island:					
Oahu	35,367	10,255	15,589	8,608	915
Hawaii	9,660	1,905	4,016	2,877	862
Kauai	7,036	1,064	3,248	2,336	388
Maui	17,183	2,787	6,099	7,050	1,247
Molokai	427	56	245	126	-
Lanai	368	12	5	174	177
Type of accommodation:					
Apartment, apartment-hotel	640	488	148	2	2
Bed and breakfast	409	239	167	3	-
Condominium	15,893	3,532	9,554	2,642	165
Hostel	297	297	-	-	-
Hotel	50,441	10,400	18,743	17,895	3,403
Individual vacation unit	1,156	679	419	45	13
Other	1,205	444	171	583	7

Note: Based on 689 properties for which information on the class of units was available. Because class of units was reported in terms of percentages, errors may have occur due to rounding.

Source: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, 2000 Visitor Plant Inventory (annual).

Table 23.40-- HOTEL ROOMS, OCCUPANCY RATES, AND DAILY ROOM AND GUEST RATES: 1989 TO 2000

[Includes condominium units in rental pools for transient occupancy]

Year	Hotel units 1/			Percent occupied 2/	Daily rates per room 2/ (dollars)	Guests per room 2/
	State total	Oahu	Other islands			
1989	67,734	36,467	31,267	79.0	95.83	2.00
1990	71,266	36,899	34,367	78.8	102.10	2.01
1991	72,275	36,623	35,652	72.4	101.89	2.01
1992	73,089	37,279	35,810	72.6	105.59	2.02
1993	69,502	37,032	32,470	72.0	103.26	2.04
1994	70,463	36,194	34,269	76.5	105.46	2.04
1995	(NA)	(NA)	(NA)	76.6	110.27	2.05
1996	70,288	36,146	34,142	75.5	127.95	2.07
1997	71,025	35,971	35,054	74.0	135.94	2.08
1998	71,480	36,206	35,274	72.1	140.80	2.09
1999 3/	71,157	35,861	35,296	72.9	144.53	2.09
2000	71,506	36,303	35,203	77.9	151.79	2.08

NA Not available.

1/ February data through 1991; Spring 1992; June 1993; December 1994; and May 1996.

2/ Annual averages for hotels in PKF sample.

3/ Data from PKF for 1999 have been revised from previous year databook.

Source: Hawaii State Department of Business, Economic Development, and Tourism, *Visitor Plant Inventory (annual)*; PKF-Hawaii, *Trends in the Hotel Industry*, Hawaii (December issues), and records.

**Table 23.41-- HOTEL ROOM OCCUPANCY AND ROOM RATES, BY
GEOGRAPHIC AREAS: 2000**

[Includes condominium units in rental pools for transient occupancy]

Geographic area	Percent occupied	Average daily room rate (dollars)	Average revenue per available room (dollars)
State total	77.19	151.79	118.25
Oahu	79.00	121.36	95.88
Waikiki	79.53	122.67	97.56
Other Oahu	74.05	108.11	80.06
Hawaii	72.76	175.93	128.00
Hilo	63.95	72.41	46.30
Kona	72.56	89.58	64.99
Kohala	74.55	241.98	180.40
Maui	80.11	189.78	152.04
Kaanapali	82.90	177.50	147.15
West Maui	81.46	169.50	138.07
Other	76.60	215.74	165.26
Kauai	74.84	170.54	127.63
North	74.34	204.79	152.23
Central	71.68	111.57	79.97
South	77.49	203.46	157.66
Molokai	42.72	79.77	34.07

Source: PKF-Hawaii, *Trends in the Hotel Industry, Hawaii*, December 2000.

**Table 23.42-- GENERAL EXCISE TAX BASE FOR RENTALS:
1985 TO 1999**

[In thousands of dollars. Data are on a cash basis accounting]

Year reported 1/	Total	Hotel rentals	All other rentals 2/
1985	3,037,254	1,122,268	1,914,986
1986	3,278,450	1,212,782	2,065,668
1987	3,443,271	1,369,401	2,073,870
1988	3,715,546	1,408,891	2,306,655
1989	4,108,740	1,505,071	2,603,669
1990	4,401,733	1,572,994	2,828,739
1991	4,825,777	1,512,990	3,312,787
1992	5,013,293	1,621,751	3,391,542
1993	5,035,581	1,527,037	3,508,544
1994	5,358,587	1,666,406	3,692,182
1995	5,552,792	1,776,527	3,776,265
1996	5,859,454	2,057,800	3,801,655
1997	5,829,772	2,155,319	3,826,024
1998	5,904,196	2,147,217	3,756,979
1999	5,845,772	2,158,193	3,687,580
2000	6,305,325	2,419,287	3,886,038

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

2/ Includes residential, office, automobile, and equipment rentals, and land leases.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release).

Table 23.43-- COMPUTER AND SOFTWARE STORES AND SERVICES: 1997

[Data limited to establishments with payroll]

Subject and year	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, week inc. March 12
Wholesale trade: Computers and computer peripheral equipment and software (NAICS 42143)	32	150,565	24,786	453
Retail trade: Computer and software stores (NAICS 44312)	37	104,508	7,198	387
Services: Computer and office machine repairs and maintenance (NAICS 811212)	38	15,134	3,638	141
Computer systems design and related services (NAICS 5415)	124	97,935	38,367	906
Data processing services (NAICS 5142)	30	17,949	6,719	187
Software publishers (NAICS 5112)	16	6,253	2,195	61

Source: U.S. Census Bureau, *1997 Economic Census, Retail Trade, Geographic Area Series, Hawaii*, EC97R44A-HI (November 1999); *1997 Economic Census, Wholesale Trade, Geographic Area Series, Hawaii*, EC97W42-HI (April 2000); *1997 Economic Census, Other Services (Except Public Administration), Geographic Area Series, Hawaii*, EC97S81A-HI (December 1999); *1997 Economic Census, Professional, Scientific and Technical Services, Geographic Area Series, Hawaii*, EC97S54A-HI (August 1999); *1997 Economic Census, Information, Geographic Area Series, Hawaii*, EC97S51A-HI (October 1999).

Table 23.44-- MOTION PICTURE SERVICES: 1977 TO 1997

[Data limited to establishments with payroll. For 1963-1972 data, see *Data Book 1990*, table 699]

Subject and year	Number of establishments	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, week inc. March 12
Motion picture production, distribution, and services (SIC 781, 2):				
1977	11	926	174	31
1982	16	4,203	1,147	74
1987	25	10,177	2,394	136
1992	50	20,394	6,028	250
1997 2/	63	33,727	10,660	278
Motion picture theaters (SIC 783):				
1977 1/	50	17,444	(D)	(D)
1982	36	21,329	3,195	519
1987	35	(D)	(D)	(D)
1992	34	(D)	(D)	(D)
1997 2/	35	62,133	8,866	1,195
Video tape rental (SIC 784):				
1987	78	12,319	2,456	376
1992	78	26,909	5,252	545
1997 2/	81	23,862	4,346	451

D Withheld to avoid disclosing data for individual companies.

NA Not available.

1/ Data include 3 establishments without payroll.

2/ Data for 1997 use NAICS code 51211, 51212, 51219 for motion picture production, distribution, and service; NAICS code 51213 for motion picture theaters; NAICS code 53223 for video tape and disk rental.

Source: U.S. Bureau of the Census, *1977 Census of Service Industries, Hawaii*, SC77-A-12 (December 1979); *1982 Census of Service Industries, Hawaii*, SC82-A-12 (September 1984); *1982 Census of Service Industries, Motion Picture Industry*, SC82-I-4 (December 1985); *1987 Census of Service Industries, Hawaii*, SC87-A-12 (July 1989); *1992 Census of Service Industries, Hawaii*, SC92-A-12 (August 1994); *1997 Economic Census, Information, Geographic Area Series, Hawaii*, EC97S51A-HI (October 1999); *1997 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC97F53A-HI (August 1999).

**Table 23.45-- MOTION PICTURE THEATERS AND SCREENS OPERATED BY
MAJOR COMPANIES: APRIL 1999**

Subject	All major companies	Consolidated Amusement Co.	Wallace Theater Corp.	Signature Theaters
Number of theaters	29	15	13	1
Number of screens	135	79	44	12
Oahu	91	59	20	12
Hawaii	22	10	12	-
Maui	17	10	7	-
Molokai	3	-	3	-
Kauai	2	-	2	-

Source: *The Honolulu Advertiser*, April 25, 1999, p. G4.

**Table 23.46-- MOTION PICTURE AND TELEVISION PRODUCTION:
1996 TO 2000**

Subject	1996	1997	1998	1999	2000
Number of features and programs filmed 1/	7	12	12	10	13
Feature films for theater viewing	6	9	3	2	5
TV movie of the week, television episodic, specials	1	3	6	6	7
Hawaii-based TV network series	-	-	3	2	1
Expenditures in Hawaii (million dollars)	59.7	70.7	99.1	98.1	136.0
Commercials	10.4	5.5	5.8	8.6	7.5
Hawaii-based TV series	-	-	28.2	25.0	20.0
Feature films	11.7	22.6	12.6	6.0	51.5
TV specials/episodics/movie of week	3.0	4.5	10.7	12.2	10.3
Others (still photography, sports, exercise or music video, cable, misc.)	6.5	4.3	6.2	9.1	12.1
Documentaries/industrials/news/ educational/travelog/video stock	0.8	3.3	2.6	2.9	2.0
Annual permit holders	11.7	8.5	11.0	11.0	10.3
Private property projects	10.0	15.0	7.0	7.0	15.0
Sports events, annual (private)	5.6	7.0	15.0	15.0	7.0
Tax revenues generated (million dollars)	10.9	13.0	18.2	18.0	25.0
Spending effect on economy (million dollars)	121.8	144.2	198.2	196.0	271.8

1/ For 1996-98, includes only nationally televised series.

Source: Hawaii State Department of Business, Economic Development & Tourism, Hawaii Film Office, records.

Section 24

FOREIGN AND INTERSTATE COMMERCE

This section includes data on the flow of goods and services between Hawaii and the rest of the world, and investment by foreign countries.

Sources for statistics on interstate and foreign commerce, and foreign investment include the U.S. Census Bureau and the Bureau of Economic Analysis, the Hawaii State Department of Business, Economic Development & Tourism's Foreign Trade Zone No. 9 and its subzones, and the City & County of Honolulu Department Budget & Fiscal Services. Additional information is found in waterborne cargo data compiled by the U.S. Army Corps of Engineers and cited in Section 18.

Comparable data for the nation as a whole appear in Section 28 of the *Statistical Abstract of the United States: 2000*. Long-term island trends are summarized in *Historical Statistics of Hawaii*, Section 21.

Table 24.01-- INTERSTATE AND FOREIGN TRADE: 1970 TO 1997

[Merchandise imports and exports, foreign and domestic, in millions of dollars. For 1958-1969, see *Data Book 1987*, table 713]

Year	Merchandise imports					Merchandise exports, total 1/
	Total	Domestic			Foreign	
		Total	Waterborne	Air 1/		
1970	1,431.5	1,256.8	1,172.5	84.3	174.7	349.4
1971	1,258.1	1,034.6	888.7	145.9	223.6	380.8
1972	1,462.5	1,218.8	1,082.2	136.6	243.7	365.0
1973	1,892.9	1,578.0	1,460.1	117.9	314.9	493.9
1974	2,510.0	1,962.9	1,825.0	137.8	547.2	1,017.9
1975	2,843.0	2,044.8	1,872.8	172.0	798.2	844.7
1976	3,310.8	2,488.8	2,269.2	219.5	822.0	903.6
1977	3,792.1	2,885.1	2,648.3	236.8	907.1	938.4
1978	4,146.1	3,140.9	2,890.0	251.0	1,005.2	1,044.7
1979	5,001.2	3,897.0	3,636.9	260.1	1,104.3	1,182.3
1980	6,239.4	4,779.7	4,577.9	201.9	1,459.7	1,569.2
1981	6,241.3	4,716.1	4,500.2	215.9	1,525.2	1,289.2
1982	5,933.8	4,700.3	4,478.8	221.5	1,233.5	1,333.4
1983	6,461.8	5,096.3	4,856.6	239.7	1,365.5	1,440.7
1984	6,568.0	5,309.4	5,047.9	261.5	1,258.6	1,419.8
1985	6,552.3	4,796.0	4,506.9	289.1	1,756.3	1,314.3
1986	6,557.1	5,131.6	4,724.0	407.7	1,425.4	1,429.4
1987	7,469.0	5,910.4	5,465.4	445.0	1,558.6	1,452.9
1988	9,298.4	7,459.9	7,029.8	430.2	1,838.5	1,467.6
1989	10,455.0	8,484.9	8,015.3	469.6	1,970.1	1,498.5
1990	10,926.2	8,665.6	8,161.7	503.9	2,260.6	1,562.2
1991	11,329.3	8,916.1	8,359.0	557.1	2,413.2	1,588.9
1992	11,556.0	(NA)	(NA)	(NA)	(NA)	1,627.0
1993	11,810.0	(NA)	(NA)	(NA)	(NA)	1,644.0
1994	12,110.0	(NA)	(NA)	(NA)	(NA)	1,611.0
1995	12,398.0	(NA)	(NA)	(NA)	(NA)	1,595.0
1996	12,460.0	(NA)	(NA)	(NA)	(NA)	1,563.0
1997	12,629.0	(NA)	(NA)	(NA)	(NA)	1,531.0

NA Not available.

1/ Not available separately for foreign and domestic exports.

Source: Hawaii State Department of Business and Economic Development, *Hawaii Gross State Product Accounts: 1958 to 1985; Summary Estimates: 1986, 1987, and 1988* (June 1989), and records.

**Table 24.02-- FOREIGN TRADE THROUGH THE HAWAII
CUSTOMS DISTRICT: 1984 TO 2000**

[Value, in millions of dollars, of U.S. imports and exports entered or exported through the Hawaii Customs District. The data may include imports intended for consumption on the Mainland and exports originated on the Mainland]

Year	General imports 1/	Imports for consumption 1/	Exports of domestic and foreign merchandise 2/		
			Total through Hawaii	Origin of Movement 3/	Location of Exporter 4/
1984	1,614.2	1,397.9	316.9	(NA)	(NA)
1985	1,756.3	1,553.1	388.8	(NA)	(NA)
1986	1,556.9	1,425.4	231.1	(NA)	(NA)
1987	1,770.1	1,558.6	392.8	151.7	(NA)
1988	1,839.6	1,559.1	572.6	130.7	(NA)
1989	1,970.1	1,735.9	537.4	160.0	(NA)
1990	2,260.6	2,100.3	512.2	178.7	(NA)
1991	1,620.9	1,892.4	568.3	147.7	(NA)
1992	2,395.8	2,119.8	604.2	206.2	(NA)
1993	2,426.0	2,218.1	1,099.7	186.6	216.8
1994	2,802.0	2,530.8	985.4	5/ 296.5	237.4
1995	3,027.4	2,703.6	1,072.2	241.1	255.7
1996	3,087.4	2,734.8	1,293.9	284.0	295.2
1997	3,176.8	2,695.0	1,628.0	334.0	303.2
1998	2,515.3	2,217.2	1,042.3	276.4	211.4
1999	2,598.7	2,298.7	1,182.7	273.6	243.5
2000	3,439.9	2,875.7	702.7	386.8	368.8

NA Not available.

1/ Customs value basis. Excludes vessels under their own power or afloat and shipments valued under \$251.

2/ Totals are on f.a.s. (free alongside ship) basis.

3/ Includes merchandise exports originated in Hawaii and exported through other customs districts. Not available before 1987. This methodology is based on an "Origin of Movement" which is designed to measure the transportation origin of exports, i.e. the state from which an export product began its journey to the port of exit. These data are distributed in a slightly modified form by the Massachusetts Institute for Social and Economic Research (MISER).

4/ Not available before 1993. This relatively new methodology is based on "Location of Exporter" which tracks the sales origin of exports and is best suited for export promotion or marketing purposes.

5/ Revised.

Source: U.S. Census Bureau, *Highlights of U.S. Export and Import Trade*, FT990, cumulative totals in December issues, 1984-1988; *U.S. Merchandise Trade: Selected Highlights*, FT920, December 1989 to 2000; *U.S. Merchandise Trade*, FT900 Supplement, December 1989 to 2000; U.S. Census Bureau, *Statistical Abstract of the United States* (annual) and records. U.S. Department of Commerce, International Trade Administration, "State Exports to Countries and Regions", 1993-00, <<http://www.ita.doc.gov/td/industry/otea/state/>> accessed May 8, 2001.

**Table 24.03-- FOREIGN TRADE THROUGH THE HAWAII
CUSTOMS DISTRICT, BY CLASSIFICATION: 1996 TO 2000**

[In millions of dollars]

Classification	1996	1997	1998	1999	2000
General imports by district of entry:					
Customs value 1/	3,087.39	3,176.79	2,515.31	2,598.73	3,439.88
C.i.f. value 2/	3,214.31	3,326.44	2,634.90	2,721.29	3,601.73
General imports by district of unloading:					
Customs value 1/	3,554.76	4,063.49	3,393.45	4,256.43	5,630.19
C.i.f. value 2/	3,704.86	4,249.72	3,550.39	4,435.21	5,849.93
Imports for consumption by district of entry (customs value 1/)	2,748.34	2,694.98	2,217.22	2,298.69	2,875.65
Exports of domestic and foreign merchandise by district of export (f.a.s. value 3/)	1,293.90	1,627.98	1,042.27	1,182.73	702.72
Exports of merchandise by location of exporter 4/					
Commodities	295.0	303.2	211.4	243.5	368.8
Manufactured commodities	193.2	162.4	177.1	210.4	267.2
Non-manufactured commodities	151.4	123.2	126.4	173.5	209.9
Reexports 5/	41.8	39.2	50.7	36.9	57.8
Exports of merchandise by origin of movement 6/					
Commodities	102.0	140.8	34.2	33.1	101.2
Manufactured commodities	284.1	334.0	276.4	273.6	386.8
Non-manufactured commodities	180.2	205.2	234.6	234.5	312.9
Reexports 5/	124.8	145.0	171.7	191.6	241.7
	55.4	60.2	62.9	42.9	71.2
	103.9	128.8	41.8	39.1	73.8

NA Not available.

1/ Prices paid by the buyer to the seller in accordance with 1979 Trade Agreement Act amendments to the 1930 Tariff Act.

2/ Cost, insurance and freight.

3/ Free alongside ship value at U.S. port of export, based on transaction price, including inland freight, insurance, and other charges; excludes cost of loading merchandise aboard exporting carrier and also excludes freight, insurance, etc. beyond U.S. port of export.

4/ 1996-1999 based on 1987 Standard Industrial Classification (SIC) and 2000 based on the North America Industry Classification System. Merchandise exports allocated by zip code of location of exporter.

5/ Not available by state prior to 1996 from U.S. Census Bureau, alternate source is U.S. Department of Commerce, International Trade Administration.

6/ 1996-1999 based on 1987 Standard Industrial Classification (SIC) and 2000 based on the North America Industry Classification System. Includes merchandise exports originated in Hawaii and exported through other customs districts. Exports are by "point of origin" of their journey to export, a transportation not production basis.

Source: U.S. Census Bureau, *U.S. Merchandise Trade: Selected Highlights*, FT920, for December 1995-2000, tables 1, 4, 5 and 6, and U.S. Merchandise Trade, FT900 Supplement, for December 1995-2000 exhibit 2 and 2A at <http://www.census.gov/foreign-trade/www/press.html>, accessed May 8, 2001. U.S. Department of Commerce, International Trade Administration, "State Exports to Countries and Regions", 1995-2000, <<http://www.ita.doc.gov/td/industry/otea/state/>> accessed May 8, 2001.

**Table 24.04-- FOREIGN TRADE THROUGH THE HAWAII CUSTOMS DISTRICT,
BY METHOD OF TRANSPORTATION: 1992 TO 2000**

[Data may include imports intended for consumption on the Mainland and exports originated on the Mainland]

Category and year	Value (million dollars)			Shipping weight (mil. kgs.)	
	Total 1/	Vessel	Air	Vessel	Air
General imports: 2/					
1992	2,733.60	1,117.26	1,439.90	4,604.17	15.26
1993	2,826.79	1,043.06	1,706.64	4,675.51	17.52
1994	3,160.26	1,059.72	1,992.06	5,328.29	19.28
1995	3,373.40	1,032.83	2,261.32	5,565.18	17.37
1996	3,554.76	1,167.70	2,348.64	5,770.20	18.73
1997	4,063.49	1,233.18	2,810.88	6,297.15	25.59
1998	3,393.45	922.44	2,453.54	5,840.69	24.93
1999	4,256.43	1,160.82	3,080.85	5,969.10	30.90
2000					
Exports: 3/					
1992	604.23	153.67	184.64	677.98	12.54
1993	1,099.70	113.14	242.61	431.74	12.66
1994	989.42	166.59	350.03	999.25	17.52
1995	1,072.16	149.59	476.56	896.20	20.53
1996	1,293.90	165.91	452.36	816.56	21.32
1997	1,627.98	213.54	341.53	922.07	16.07
1998	1,042.27	153.55	335.51	719.10	11.96
1999	1,182.73	138.79	492.10	545.93	12.99
2000	702.72	214.11	251.90	694.98	9.40

1/ Includes categories not tabulated by method of transportation, not shown separately.

2/ By district of unloading. Value is on customs value basis.

3/ Exports of domestic and foreign merchandise, by district of export. Value is on f.a.s. (free alongside ship) basis.

Source: U.S. Bureau of the Census, *U.S. Merchandise Trade: Selected Highlights, FT920, December 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, and 2000* tables 1 and 6.

**Table 24.05-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS:
1997 TO 2000**

[Years ended September 30, unless otherwise specified. Large portion of Subzone No. 9-C,
Dole Packaged Foods Co. deactivated August 3, 1993 and completely deactivated on
February 26, 1996]

Subject	1997	1998	1999	2000
Zone No. 9, General Purpose:				
Firms using zone	289	274	269	253
User employment at zone 1/	150	200	202	351
Value of merchandise (\$1,000): 2/				
In/out 3/	86,982	412,973	373,336	616,204
Exports 3/	16,311	183,726	146,775	212,789
Revenue 4/ (\$1,000)	1,377	1,325	1,421	1,474
Expenditures 4/ (\$1,000)	1,538	1,286	1,231	1,253
Subzone No. 9-A, Tesoro Hawaii, Corp. 5/ 6/:				
User employment at subzone 1/	628	512	512	447
Value (\$1,000): 2/				
Merchandise, in/out	1,340,000	938,017	942,673	1,557,329
Exports	330,000	141,790	103,211	149,704
Subzone No. 9-B, HFM:				
User employment at subzone	19	16	7/	7/
Value (\$1,000): 2/				
Merchandise, in/out	1,493	42	7/	7/
Exports	805	25	7/	7/
Subzone No. 9-D, Maui Pineapple Co. Ltd.:				
User employment at subzone 1/	602	570	581	578
Value (\$1,000): 2/				
Merchandise, in/out	110,594	104,697	111,295	109,488
Exports	2,505	3,299	1,482	2,071
Subzone No. 9-E, Chevron U.S.A. Products Co. Hawaii Refinery:				
User employment at subzone 1/	314	300	281	296
Value (\$1,000): 2/				
Merchandise, in/out	841,000	567,598	547,221	1,007,560
Exports	57,000	46,417	45,579	43,129

Continued on next page.

**Table 24.05-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS:
1997 TO 2000 -- Con.**

Subject	1997	1998	1999	2000
Subzone No. 9-F, Citizens Utilities Company dba The Gas Company's Synthetic Natural Gas (SNG) Facility 6/				
User employment at subzone 1/	...	232	232	8/ 222
Value (\$1,000):				
Merchandise, in/out	...	26,555	29,232	39,610
Exports

1/ For firms occupying facilities on a continuing basis only. Also includes downtown or other support site employment.

2/ Since 1994, method of calculating value of "Merchandise, in/out" and "Exports" excludes value added in subzone manufacturing activity.

3/ Beginning with 1998, includes activity at 3 General Purpose sites.

4/ Years ended June 30.

5/ On May 29, 1998 Tesoro Hawaii Corporation acquired all of the outstanding stock of BHP Petroleum Americas Refining, Inc. from BHP Hawaii.

6/ On March 18, 1997, the Citizens' Utilities Company was granted its own subzone status. It was formerly part of Subzone 9-A.

7/ Subzone operator filed deactivation request on June 29, 1999. Deactivation pending.

8/ Unpublished correction to source table.

Source: Hawaii State Department of Business, Economic Development & Tourism, Foreign-Trade Zone No. 9, annual reports and records.

Table 24.06-- CHARACTERISTICS OF MANUFACTURING ESTABLISHMENTS THAT EXPORT, UNITED STATES AND HAWAII: 1992

[In number of establishments]

Major Group	Establishments			
	United States		Hawaii	
	Total	Exporting	Total	Exporting
Total	369,145	82,553	999	182
Food and kindred products	20,641	4,563	233	70
Tobacco products	114	67	-	-
Textile mill products	5,868	1,613	9	-
Apparel and other textile mill products	22,935	2,801	145	19
Lumber and wood products	35,245	3,266	55	5
Furniture and fixtures	11,620	2,058	33	5
Paper and allied products	6,401	1,840	9	1
Printing and publishing	65,349	4,495	199	9
Chemicals and allied products	11,982	5,502	24	9
Petroleum and coal products	1,961	416	3	3
Rubber and misc. plastic products	15,819	5,806	22	10
Leather and leather products	2,032	677	5	2
Stone, clay, and glass products	16,001	2,116	51	4
Primary metal products	6,500	2,139	2	-
Fabricated metal products	36,360	8,211	32	1
Industrial machinery and equipment	53,849	13,990	30	2
Electronic and other electric equipment	16,890	8,306	16	6
Transportation equipment	11,249	3,711	21	6
Instruments and related products	11,331	6,716	16	9
Misc. manufacturing industries	16,998	4,260	94	21

Source: U.S. Bureau of the Census, *Selected Characteristics of Manufacturing and Wholesale Establishments That Export: 1992, Manufacturing, Analytical Report Series, AR92-2 (June 1996)*, pp. 1-39, and <<http://www.census.gov/prod/1/manmin/ar2/9r9202.pdf>>.

**Table 24.07-- MANUFACTURING INDUSTRIES: SHIPMENTS AND EMPLOYMENT
RELATED TO EXPORTS OF MAJOR GROUPS, HAWAII: 1992**

[In number of establishments, millions of dollars, and 1,000's of jobs. Unless otherwise indicated all establishments have 1 to 99 employees]

Major Group	Establishments		Value of shipments			Employment		
	Total	Exporting	Total	Estab. exporting	Exports	Total	Estab. exporting	Export employ.
Total	999	182	3,791.7	2,189.6	260.5	20.0	6.9	1.4
Food & kindred products	233	70	1,325.5	796.9	179.5	9.0	4.5	1.2
With 1 to 99 employees	208	57	474.5	244.3	33.2	3.2	1.3	0.3
With 100 to 499 employees	23	11	(D)	(D)	(D)	(D)	(D)	(D)
With 500 employees or more	2	2	(D)	(D)	(D)	(D)	(D)	(D)
Textile mill products	9	-	2.8	-	-	(Z)	-	-
Apparel & other textile mill prod.	145	19	147.0	29.0	3.3	2.1	0.4	(Z)
With 1 to 99 employees	141	18	(D)	(D)	(D)	(D)	(D)	(D)
With 100 to 499 employees	4	1	(D)	(D)	(D)	(D)	(D)	(D)
Lumber & wood products	55	5	48.1	4.0	0.8	0.4	(Z)	(Z)
Furniture & fixtures	33	5	33.7	9.7	(D)	0.4	0.1	(D)
Paper & allied products	9	1	40.4	(D)	(D)	0.2	(D)	(D)
Printing & publishing	199	9	458.1	17.3	0.5	3.6	0.2	(Z)
With 1 to 99 employees	193	9	252.9	17.3	0.5	2.1	0.2	(Z)
With 100 to 499 employees	5	-	(D)	(D)	(D)	(D)	(D)	(D)
With 500 employees or more	1	-	(D)	(D)	(D)	(D)	(D)	(D)
Chemicals & allied products	24	9	73.4	51.1	1.8	0.3	0.2	(Z)
With 1 to 99 employees	23	8	(D)	(D)	(D)	(D)	(D)	(D)
With 100 to 499 employees	1	1	(D)	(D)	(D)	(D)	(D)	(D)
Petroleum & coal products	3	3	(D)	(D)	(D)	(D)	(D)	(D)
With 1 to 99 employees	1	1	(D)	(D)	(D)	(D)	(D)	(D)
With 100 to 499 employees	2	2	(D)	(D)	(D)	(D)	(D)	(D)
Rubber & misc. plastic products	22	10	23.5	18.7	1.2	0.2	0.1	(Z)
Leather and leather products	5	2	3.8	(D)	(D)	0.1	(D)	(D)

Continued on next page.

**Table 24.07-- MANUFACTURING INDUSTRIES: SHIPMENTS AND EMPLOYMENT
RELATED TO EXPORTS OF MAJOR GROUPS, HAWAII: 1992 -- Con.**

Major Group	Establishments		Value of shipments			Employment		
	Total	Exporting	Total	Estab. exporting	Exports	Total	Estab. exporting	Export employ.
Stone, clay, & glass products With 1 to 99 employees	51	4	223.6	(D)	(D)	1.1	(D)	(D)
With 100 to 499 employees	49	4	(D)	(D)	(D)	(D)	(D)	(D)
Primary metal products	2	-	(D)	(D)	(D)	(D)	(D)	(D)
Fabricated metal products	2	-	(D)	(D)	(D)	(D)	(D)	(D)
Industrial machinery & equip.	32	1	71.6	(D)	(D)	0.3	(D)	(D)
Electronic & other electric equip.	30	2	19.0	(D)	(D)	0.2	(D)	(D)
With 1 to 99 employees	16	6	10.4	1.4	0.2	0.2	(Z)	(Z)
With 100 to 499 employees	15	6	(D)	(D)	(D)	(D)	(D)	(D)
Transportation equipment	1	0	(D)	(D)	(D)	(D)	(D)	(D)
With 1 to 99 employees	21	6	55.9	(D)	(D)	0.5	(D)	(D)
With 100 to 499 employees	20	5	(D)	(D)	(D)	(D)	(D)	(D)
Instruments & related products	1	1	(D)	(D)	(D)	(D)	(D)	(D)
Misc. manufacturing industries	16	9	6.6	4.1	0.5	0.1	(Z)	(Z)
With 1 to 99 employees	94	21	73.8	36.6	3.5	0.8	0.4	(Z)
With 100 to 499 employees	93	20	(D)	(D)	(D)	(D)	(D)	(D)
	1	1	(D)	(D)	(D)	(D)	(D)	(D)

D Withheld to avoid disclosing data for individual companies.

Z Less than half the unit shown.

Source: U.S. Bureau of the Census, *Selected Characteristics of Manufacturing and Wholesale Establishments That Export: 1992*, Manufacturing, Analytical Report Series, AR92-2 (June 1996), pp. 1-39, and <<http://www.census.gov/prod/1/manmin/ar2/9r9202.pdf>>.

**Table 24.08-- PROFILE OF EXPORTING COMPANIES,
UNITED STATES AND HAWAII: 1996 AND 1997**

[In number, millions of dollars, and percent]

Characteristic	1996 Exports		1997 Exports	
	U.S.	Hawaii	U.S.	Hawaii
Exporter location				
Value of exports	625,075	295	689,183	303
Value as percent of total	100.0	(D)	100.0	(D)
Known value 1/	500,671	247	562,764	253
Percent of known value	100.0	(D)	100.0	(D)
Number of exporters	189,670	1,226	209,455	910
Percent of number of exporters	100.0	0.6	100.0	0.4
Percent change 1996-1997				
Value as percent of total	...	...	10.3	2.7
Percent of known value	...	...	12.4	2.4
Percent of number of exporters	...	...	10.4	-25.8
State of Origin of Movement				
Value of exports	625,075	284	689,183	334
Value as percent of total	100.0	(D)	100.0	(D)
Known value 1/	500,671	246	562,764	287
Percent of known value	100.0	(D)	100.0	(D)
Number of exporters	189,670	655	209,455	694
Percent of number of exporters	100.0	0.3	100.0	0.3
Percent change 1996-1997				
Value as percent of total	...	...	10.3	17.5
Percent of known value	...	...	12.4	16.6
Percent of number of exporters	...	...	10.4	6.0

D Less than 0.05 percent.

1/ Defined as portion of total U.S. exports that could be matched to specific companies.

Source: U.S. Bureau of the Census, *Profile of U.S. Exporting Companies, 1996-1997*, pp. 26-29.

Table 24.09-- AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: DECEMBER 31, 1994 TO FEBRUARY 29, 2000

[The source report is required annually under section 5 of the U.S. Agricultural Foreign Investment Disclosure Act of 1978. Under the Act, any person who holds an Immigration and Naturalization Service Form I-151 or I-551 (green card) is exempt from filing. Based on a 1980 estimate from the U.S. Bureau of the Census Geography Division there were 4,112,000 acres of land in the state. For 1994 to 1997, based on U.S. Department of Agriculture 1987 estimate of 1,998,000 privately-owned acres of land in the state; and for 2000, on a Bureau of the Census 1990 approximation of 4,111,000 acres. Data are as of December 31 for 1994 to 1997, and as of February 29 for 2000]

Subject	1994	1995	1996	1997	2000
Parcels owned by foreigners	93	99	101	101	101
Individuals	23	22	22	22	(NA)
Organizations	70	77	79	79	(NA)
Privately owned agricultural land (1,000's) 1/	(NA)	(NA)	(NA)	(NA)	1,986
Acres owned by foreigners 2/	179,971	180,058	180,075	180,073	190,063
Percent of all privately owned agric. land	9.0	9.0	9.1	9.0	9.6
Individuals	2,066	2,055	2,055	2,055	(NA)
Organizations	177,905	178,003	178,020	178,018	(NA)
Value of foreign-owned agric. land (\$1,000):					
At time of acquisition	647,331	660,690	661,551	660,801	(NA)
Reported current value	646,076	659,396	660,266	659,525	(NA)
Adjusted current value	728,642	791,012	846,717	895,489	(NA)

NA Not available.

1/ Preliminary estimate based on unpublished USDA, Economic Research Service 1997 data.

2/ The 1996, 1997 and 2000 percentage for Hawaii ranked 2nd (rank of 1 assigned to the highest) among the 50 States, exceeded only by Maine at 17.9, 16.8 and 17.8 percent, respectively, and well above the national percentage of 1.1 percent in 1996 and 1997 and 1.2 percent in 2000.

Source: U.S. Department of Agriculture, Economic Research Service, *Foreign Ownership of U. S. Agricultural Land Through December 31, 1994* (Statistical Bulletin No. 919, June 1995), pp. 6, 9, and 13; For 1995: *Foreign Ownership of U.S. Agricultural Land Through December 31, 1995* (Statistical Bulletin No. 931, September 1997), pp. 6, 9, and 13; and *Agriculture Fact Book, 1997*; <<http://www.usda.gov/news/pubs/fbook97/contents.htm>>. For 1996, Economic Research Service, *Foreign Ownership of U. S. Agricultural Land Through December 31, 1996* (Statistical Bulletin No. 941, July 1998), pp. 5, 8, and 12. For 1997, Economic Research Service, *Foreign Ownership of U. S. Agricultural Land Through December 31, 1997* (Statistical Bulletin No. 943, September 1998), pp. 5, 8, and 12; and <<http://usda.mannlib.cornell.edu/data-sets/land/87015/>>, accessed June 18, 1999. For 2000, Farm Service Agency, *Through February 29, 2000*.

**Table 24.10-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON OAHU:
1992 TO 2000**

[Foreign investments in real property on Oahu, reported in accordance with Honolulu Ordinance No. 90-68, requiring all foreign persons to report real property holdings to the City and County Director of Finance. Reporting is thought to be incomplete. No report was issued in 1993. The closing date for the report for any given year is variously December of the report year to February of the following year. For example, the closing date for the 2000 reporting was February 8, 2001]

Subject	Parcels							
	1992	1994	1995	1996	1997	1998	1999	2000
All property 1/ 3/	227,449	236,138	240,652	245,257	250,320	252,587	254,282	256,839
Foreign holdings	4,642	5,833	5,150	4,406	3,968	3,081	2,708	2,431
Percent 3/	2.0	2.4	2.1	1.8	1.6	1.2	1.1	1.1
Foreign holdings by land class:								
Improved residential	753	678	597	545	501	448	381	336
Apartment	3,489	4,284	3,792	3,067	2,804	2,151	1780	1,584
Commercial	209	212	222	188	169	153	128	116
Industrial	23	22	21	19	15	15	13	13
Agricultural	42	38	33	20	20	20	18	4
Conservation	26	20	18	11	7	4	4	2
Hotel and resort	89	571	460	550	448	288	382	374
Unimproved residential	11	8	7	6	4	2	2	2
	Assessed value	Assessed value (millions of dollars) 1/						
Subject	1992	1994	1995	1996	1997	1998	1999	2000
All property 1/ 3/	72,542	88,772	89,059	88,077	86,985	83,375	78,066	72,766
Foreign holdings	5,828	6,491	4,867	3,796	3,075	2,585	2,307	2,036
Percent 3/	6.9	7.3	5.5	4.4	3.7	3.3	3.2	2.8
Foreign holdings by land class:								
Improved residential	702	712	509	435	387	332	274	250
Apartment	1,447	1,471	1,178	916	789	557	419	371
Commercial	1,661	1,730	929	567	306	214	140	125
Industrial	141	192	173	113	91	84	65	65
Agricultural	15	53	51	4	4	4	3	2/
Conservation	122	91	68	38	1	1	1	1
Hotel and resort	1,716	2,223	1,946	1,710	1,487	1,390	1,402	1,222
Unimproved residential	25	18	14	12	8	2	2	2

1/ Net taxable valuation.

2/ Assessed value is \$357,800.

3/ Data have been revised to conform to FY 1999-2000 more closely compares to calendar year 2000 than 1999.

Source: City and County of Honolulu, Department of Finance, Real Property Division, *Foreign Investments in Real Property Within the City and County of Honolulu for 1996* (January 31, 1997); *1997* (February 2, 1998); *1998* (February 18, 1999); *1999* (May 22, 2000 and as corrected) and *2000* (tables dated February 8, 2001) submitted to the Honolulu City Council; City and County of Honolulu, Department of Finance, *Real Property Tax Valuations, Tax Rates & Exemptions, State of Hawaii, for 1995-1996, 1996-97, 1997-98, 1998-99, 1999-2000 and 2000-2001* (annually, in July), and for 2001-2002 <<http://www.co.honolulu.hi/rpa/staterpt.htm>> accessed July 18, 2001.

Table 24.11-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON OAHU BY COUNTRY, NUMBER OF PARCELS: 1996 TO 2000

Foreign investments in real property on Oahu, reported in accordance with Honolulu Ordinance No. 90-68, requiring all foreign persons to report real property holdings to the City and County Director of Finance. Reporting is thought to be incomplete. No report was issued in 1993. The closing date for the report for any given year is variously December of the report year to February of the following year. For example, the closing date for the 2000 reporting was February 8, 2001]

Country	1996	1997	1998	1999	2000
Total	4,406	3,968	3,081	2,708	2,431
Argentina	1	1	1	1	1
Australia	31	26	20	17	14
Austria	2	2	2	2	2
Bahamas	-	1	1	6	6
Barbados	1	1	1	1	1
Belgium	1	1	1	1	1
Bermuda	16	14	12	10	8
British Virgin Isle	4	4	4	4	4
British West Indies	1	1	1	1	1
Canada	228	207	146	138	109
Cayman Island(s)	1	1	1	1	1
China	49	42	41	32	31
Dominican Republic	1	1	1	1	1
England	40	36	29	27	25
Finland	-	-	-	-	-
France	45	44	39	33	32
French Polynesia	6	6	5	5	5
Germany	13	13	10	9	8
Guam	-	-	-	-	-
Holland	4	4	3	3	3
Hong Kong	73	63	55	57	52
Iceland	-	-	-	-	-
India	2	2	2	2	2
Indonesia	8	8	8	8	8
Italy	1	1	1	1	1
Japan	3,669	3,299	2,533	2,198	1,979
Korea	51	45	38	36	33
Lebanon	2	2	2	2	0
Liberia	6	6	6	4	4
Macau	1	1	-	-	-
Malaysia	4	4	3	2	2
Micronesia	2	2	2	2	1
Netherlands Antilles	10	9	9	12	12
New Zealand	7	5	5	4	3

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Table 24.11-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON OAHU BY COUNTRY, NUMBER OF PARCELS: 1996 TO 2000 -- Con.

Country	1996	1997	1998	1999	2000
Panama	1	1	1	1	1
Papua New Guinea	-	-	-	-	-
Philippines	30	29	25	22	22
Portugal	1	1	1	1	1
Samoa, Western	-	-	-	-	-
Saudi Arabia	3	3	3	3	3
Singapore	10	10	7	6	6
Sweden	4	4	3	3	1
Switzerland	10	9	6	4	4
Tahiti	11	11	10	11	11
Taiwan	46	38	34	30	26
Thailand	9	9	9	7	6
Turkey	-	-	-	-	-
United Arab Emirates	1	1	-	-	-
Vanuatu	-	-	-	-	-

Source: City and County of Honolulu, Department of Finance, Real Property Division, *Foreign Investments in Real Property Within the City and County of Honolulu for 1996* (January 31, 1997); *1997* (February 2, 1998); *1998* (February 18, 1999); *1999* (May 22, 2000 and as corrected) and *2000* (tables dated February 8, 2001) submitted to the Honolulu City Council.

**Table 24.12-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON OAHU
BY COUNTRY, ASSESSED VALUE: 1996 TO 2000**

[Value in thousands of dollars. Foreign investments in real property on Oahu, reported in accordance requiring all foreign persons to report real property holdings to the City and County Director of incomplete. No report was issued in 1993. The closing date for the report for any given year is February of the following year. For example, the closing date for the 2000 reporting was February

Country	1996	1997	1998	1999	2000
Total	3,795,599.8	3,074,944.5	2,584,680.4	2,307,046.9	2,036,049.6
Argentina	164.3	123.2	117.0	117.0	114.2
Australia	14,027.8	12,266.4	9,777.7	8,049.2	7,777.7
Austria	585.3	519.4	493.2	484.5	511.7
Bahamas	-	8,245.4	8,287.7	11,882.9	12,184.2
Barbados	1,657.0	1,643.9	1,660.7	1,831.3	1,972.9
Belgium	172.0	172.0	154.8	154.8	156.1
Bermuda	28,887.1	16,825.1	12,819.6	10,002.6	8,804.5
British Virgin Isle	2,034.1	2,032.0	1,869.6	1,782.0	2,106.0
British West Indies	254.1	254.1	203.3	194.9	204.5
Canada	52,773.2	42,886.7	28,168.2	25,118.0	21,939.0
Cayman Island(s)	1,303.9	1,303.9	1,238.7	959.6	949.7
China	13,385.4	10,200.6	8,938.9	6,047.1	5,967.3
Dominican Republic	262.2	248.2	224.8	210.7	238.7
England	13,031.5	11,174.9	9,033.8	7,176.9	7,382.8
France	22,821.2	22,918.7	20,779.8	18,341.2	18,229.4
French Polynesia	1,847.8	1,814.7	1,500.6	1,392.6	1,395.5
Germany	4,404.2	4,153.5	3,049.6	2,686.5	2,289.8
Holland	999.8	839.9	698.2	676.6	670.0
Hong Kong	40,255.6	34,066.1	29,395.7	15,672.0	13,995.3
India	540.5	477.2	416.1	422.4	462.2
Indonesia	1,893.6	1,656.9	1,443.1	1,425.8	1,484.8
Italy	123.3	111.0	88.8	75.3	73.7
Japan	3,513,238.5	2,832,862.2	2,388,443.0	2,140,081.8	1,878,367.2
Korea	20,027.3	17,505.5	14,649.4	12,983.8	12,518.0
Lebanon	826.6	612.8	584.2	555.8	0.0
Liberia	2,745.3	2,660.1	2,537.2	833.2	933.1
Macau	258.7	219.9	-	-	-
Malaysia	1,113.5	622.6	1,049.0	307.9	310.4
Micronesia	1,451.4	1,046.2	1,591.4	1,620.6	413.7
Netherlands Antilles	11,007.0	9,804.0	7,950.8	12,982.4	13,405.9
New Zealand	1,948.2	1,123.5	962.6	835.1	703.0
Panama	259.4	259.4	198.0	209.6	193.6
Philippines	8,387.9	7,180.2	5,394.8	4,193.0	3,990.4
Portugal	441.4	397.3	394.8	354.9	354.8

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**Table 24.12-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON OAHU
BY COUNTRY, ASSESSED VALUE: 1996 TO 2000 -- Con.**

Country	1996	1997	1998 1/	1999	2000
Saudi Arabia	616.9	576.3	490.8	473.8	466.2
Singapore	2,860.4	2,516.9	1,336.8	1,172.3	1,175.4
Sweden	1,148.4	1,085.1	798.6	810.3	91.8
Switzerland	2,782.8	2,450.4	1,277.0	1,057.4	1,099.4
Tahiti	2,175.2	1,914.3	1,458.2	1,533.1	1,561.1
Taiwan	19,448.8	15,039.3	12,258.1	10,669.9	10,040.9
Thailand	3,254.9	2,984.1	2,945.8	1,668.1	1,514.7
Turkey	-	-	-	-	-
United Arab Emirates	183.3	150.6	-	-	-

1/ Revised from "Saudi Arabia" through "United Arab Emirates". Misalignment caused values to be one row too high.

Source: City and County of Honolulu, Department of Finance, Real Property Division, *Foreign Investments in Real Property Within the City and County of Honolulu for 1996* (January 31, 1997); *1997* (February 2, 1998); *1998* (February 18, 1999); *1999* (May 22, 2000 and as corrected) and *2000* (tables dated February 8, 2001) submitted to the Honolulu City Council.

Table 24.13-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES, BY COUNTRY OF ULTIMATE BENEFICIAL OWNER: 1977 TO 1998

[Data for Hawaii nonbank affiliates owned 10 percent or more, directly or indirectly, by a foreign person. Amounts are book values, in millions of dollars. 1981-1983 Hawaii totals are estimated based on historical shares and growth rates. Data for 1997 are revised. Data for 1998 are preliminary]

Year	All countries	Asia & Pacific	Japan	Australia, etc. 1/	Other Asia & Pacific	Canada	Europe	Lat. Amer. & Oth. W. Hem.	Other, subtotal 2/
1977	672	(NA)	374	1	(NA)	31	83	(D)	(D)
1978	742	(NA)	407	1	(NA)	37	69	3	225
1979	789	(NA)	445	1	(NA)	51	109	5	178
1980	1,020	(NA)	565	(D)	(NA)	115	119	18	(D)
1981	1,158	(NA)	664	2	(NA)	94	134	16	(D)
1982	1,366	(NA)	758	(D)	(NA)	96	213	17	(D)
1983	1,460	(NA)	1,098	(D)	(NA)	93	(D)	18	(D)
1984	1,691	(NA)	1,203	(D)	(NA)	96	187	18	(D)
1985	1,777	(NA)	1,278	102	(NA)	99	129	20	149
1986	2,013	(NA)	1,442	109	(NA)	113	171	32	146
1987	3,474	3,201	2,969	125	107	66	134	66	7
1988	4,990	4,570	4,235	136	199	78	261	73	8
1989	8,224	7,660	6,757	666	237	88	368	97	11
1990	11,830	10,872	9,960	(D)	(D)	68	759	119	(D)
1991	13,921	12,853	11,866	736	251	80	837	139	12
1992	15,454	14,630	13,601	738	291	121	487	209	7
1993	16,030	15,137	13,935	867	335	183	487	217	6
1994	16,185	15,289	13,948	858	483	198	454	230	14
1995	15,972	14,958	13,372	(D)	(D)	227	507	218	(D)
1996	15,547	14,958	13,163	950	449	66	507	149	68
1997	14,805	13,478	12,516	(D)	(D)	108	870	222	127
1998	12,941	(NA)	10,962	33	(NA)	152	891	(NA)	(NA)

Values between -0.05 and 0.05 are rounded to zero for 1987-1997.

D Not disclosed.

NA Not available.

1/ Figures for Australia include New Zealand and South Africa for 1977-86 but exclude these countries thereafter

2/ Figures for Other subtotal include New Zealand and South Africa for 1987-1998 but exclude these countries for 1977-86. Figures for Other subtotal include Middle East, Africa less South Africa, Other Asia and Pacific less New Zealand, and United States for those years.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey, Final Results* (various years) and <<http://www.bea.doc.gov/bea/ai/newiid.htm>>; and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 24.14-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII, BY COUNTRY OF AFFILIATE: 1977 TO 1998

[Data for Hawaii nonbank affiliates owned 10 percent or more, directly or indirectly, by a foreign person. Employment in thousands. Data for 1997 are revised. Data for 1998 are preliminary]

Year	All countries	Asia & Pacific	Japan	Australia, etc. 1/	Other Asia & Pacific	Canada	Europe	Lat. Amer. & Oth. W. Hem.	Other, subtotal 2/
1977	11.4	(NA)	7.3	0.1	(NA)	0.3	0.5	(D)	(D)
1978	11.9	(NA)	7.2	(D)	(NA)	0.4	0.8	(D)	3.1
1979	14.7	(NA)	8.6	(D)	(NA)	0.6	1.3	(D)	3.4
1980	15.5	(NA)	9.0	(D)	(NA)	0.7	1.5	(D)	(D)
1981	17.0	(NA)	9.1	(D)	(NA)	0.7	1.6	1.1	(D)
1982	16.4	(NA)	9.3	0.4	(NA)	0.6	2.2	(D)	(D)
1983	16.3	(NA)	9.7	(D)	(NA)	0.6	1.7	0.7	(D)
1984	16.5	(NA)	9.8	(D)	(NA)	0.5	2.2	0.8	(D)
1985	18.7	(NA)	11.7	(D)	(NA)	0.5	1.6	0.8	(D)
1986	18.4	(NA)	10.9	1.1	(NA)	0.7	1.8	2.1	1.8
1987	27.3	22.8	20.6	1.4	0.8	0.7	1.0	(D)	(D)
1988	34.8	27.2	24.3	1.5	1.4	0.8	3.2	3.5	1.5
1989	45.0	36.1	30.3	2.6	3.2	0.8	4.0	3.7	3.6
1990	53.0	42.3	36.0	2.7	3.6	0.7	6.2	3.6	3.8
1991	56.0	44.8	38.3	3.2	3.3	0.7	6.1	4.0	3.7
1992	53.8	42.1	36.5	3.3	2.3	0.5	6.5	4.0	3.0
1993	52.4	43.1	37.5	3.5	2.1	1.5	3.6	4.0	2.3
1994	50.8	40.4	37.0	1.4	2.0	1.4	4.0	4.7	0.3
1995	48.9	37.7	34.3	1.7	1.7	1.6	4.3	4.6	0.7
1996	47.5	36.0	32.6	1.5	1.9	0.9	6.8	2.9	0.9
1997	50.2	37.5	34.0	(D)	(D)	1.5	7.0	2.9	(D)
1998	45.4	31.9	30.6	3/	(NA)	1.5	6.8	4.0	1.2

D Not disclosed.

NA Not available.

1/ Figures for Australia include New Zealand and South Africa for 1977-86 but exclude these countries thereafter

2/ Figures for Other subtotal include New Zealand and South Africa for 1987-1998 but exclude these countries for 1977-86. Figures for Other subtotal include Middle East, Africa less South Africa, Other Asia and Pacific less New Zealand, and United States for those years.

3/ Fewer than 50 employees.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey, Final Results* (various years) and <<http://www.bea.doc.gov/bea/ai/newiid.htm>>; and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 24.15-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES, BY INDUSTRY OF AFFILIATE: 1977 TO 1998

[Investment by Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirectly, by a foreign by country of ultimate beneficial owner. In millions of dollars. Data for 1996 are the last year presented according to the International Survey Industry based on the 1987 Standard Industrial Classification. Data for 1997 are revised. Data for 24.16a for detailed 1997 and 1998 estimates]

Year	All industries	Petro-leum	Manufac-turing	Wholesale trade	Retail trade	Finance, nonbank	Insur-ance	Real estate	Services & Other	Services	Other
1977	672	16	8	5	54	0	1	233	354	(NA)	(NA)
1978	742	17	12	8	57	1	1	246	400	(NA)	(NA)
1979	789	17	14	7	65	1	1	256	427	(NA)	(NA)
1980	1,020	(D)	(D)	17	52	(D)	2	431	474	(NA)	(NA)
1981	1,158	(D)	24	(D)	(D)	1	2	494	501	(NA)	(NA)
1982	1,366	21	38	24	80	(D)	1	584	(D)	(NA)	(NA)
1983	1,460	22	40	28	253	10	1	558	(D)	(NA)	(NA)
1984	1,691	23	73	56	274	3	3	605	653	(NA)	(NA)
1985	1,777	26	103	60	281	3	2	584	719	(NA)	(NA)
1986	2,013	31	157	61	280	4	1	713	767	(NA)	(NA)
1987	3,474	26	129	44	297	3	(D)	991	(D)	1,860	(D)
1988	4,990	28	201	91	322	3	8	1,739	2,598	2,371	227
1989	8,224	(D)	247	179	340	10	15	2,380	(D)	4,309	(D)
1990	11,830	(D)	368	189	490	17	15	3,868	(D)	5,855	(D)
1991	13,921	(D)	386	212	535	82	13	4,069	(D)	7,385	(D)
1992	15,454	(D)	290	(D)	564	222	17	5,075	8,450	7,939	511
1993	16,030	(D)	296	258	570	300	(D)	4,907	8,970	8,454	516
1994	16,185	(D)	308	257	597	306	18	4,615	(D)	8,863	(D)
1995	15,972	(D)	319	168	626	(D)	21	4,374	9,255	8,480	775
1996	15,547	(D)	279	181	739	205	(D)	4,167	8,830	8,072	758
1997	14,805	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1998	12,941	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

D Data not disclosed.

NA Not available.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey, Final Results* (various years) and <<http://www.bea.doc.gov/bea/ai/newiid.htm>>; and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 24.16-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES AND EMPLOYMENT, BY INDUSTRY OF AFFILIATE: 1997 AND 1998

[Investment by Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirectly, by a foreign by country of ultimate beneficial owner. In millions of dollars and thousands of employees. 1997 data are revised. 1998 data are preliminary]

	All industries 1/	Manufacturing	Wholesale trade	Retail trade	Information	Finance (exc. depository inst) & insur.	Real estate, rental & leasing	Professional, scientific, & technical services	Other industries
Foreign Direct Investment									
1997	14,805	228	203	705	146	199	4,049	2	9,274
1998	12,941	324	185	810	178	87	3,844	1	7,513
Employment									
1997	50.2	2.0	2.0	6.6	0.5	1.0	3.2	0.1	34.9
1998	45.4	2.3	2.0	6.5	0.7	1.0	3.5	0.1	29.3

1/ Effective with 1997 the data are classified according to the 1997 International Survey Industry which is based on the 1997 North American Industry Classification System (NAICS). Petroleum is no longer shown as a separate industry, instead the various petroleum-related activities are distributed among the major NAICS-based industries to which they belong, e.g. gas stations are in retail trade. Services is no longer shown as a separate industry, instead the various services-related activities are distributed among the major NAICS-based industries such as Information, Professional, Other industries, etc. See Tables 24.14 and 24.15 for 1977-96 detailed estimates.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey, Final Results* (various years) and <<http://www.bea.doc.gov/bea/ai/newiid.htm>>; and Hawaii State Department of Business, Economic Development & Tourism calculations.

**Table 24.17-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII,
BY INDUSTRY OF AFFILIATE: 1977 TO 1998**

[Data for Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirectly, by a foreign person. Employment in thousands. Employment less than 500 are rounded to zero. Data for 1996 are the last year presented according to the International Survey Industry based on the 1987 Standard Industrial Classification. 1997 data are revised. 1998 data are preliminary. See Table 24.16 for detailed 1997 and 1998 estimates]

Year	All industries 1/	Petro-leum	Manufac-turing	Wholesale trade	Retail trade	Finance, nonbank	Insur-ance	Real estate	Services & Other	Services	Other
1977	11.4	(D)	0.6	0.4	2.9	0.0	0.2	0.2	(D)	(NA)	(NA)
1978	11.9	(D)	0.8	0.6	3.2	0.0	0.2	0.2	(D)	(NA)	(NA)
1979	14.7	(D)	1.3	0.7	4.0	0.0	0.2	0.3	(D)	(NA)	(NA)
1980	15.5	(D)	1.3	0.8	4.0	(D)	0.3	0.5	(D)	(NA)	(NA)
1981	17.0	(D)	1.3	0.8	5.4	0.1	0.3	0.8	(D)	(NA)	(NA)
1982	16.4	(D)	1.9	0.7	4.2	0.3	(D)	0.7	8.4	(NA)	(NA)
1983	16.3	(D)	1.4	0.8	4.5	0.3	0.2	0.7	(D)	(NA)	(NA)
1984	16.5	(D)	2.0	2.0	4.4	0.2	0.3	0.5	(D)	(NA)	(NA)
1985	18.7	(D)	2.0	1.8	5.0	0.2	0.3	1.0	(D)	(NA)	(NA)
1986	18.4	(D)	2.4	2.0	4.5	0.2	0.2	1.3	(D)	(NA)	(NA)
1987	27.3	0.0	1.3	1.3	5.1	0.2	1.4	0.6	17.4	11.0	6.4
1988	34.8	0.0	2.1	2.9	5.3	0.2	0.4	1.8	22.2	13.2	9.0
1989	45.0	0.8	2.3	4.0	5.3	0.2	1.0	2.0	29.5	16.9	12.6
1990	53.0	0.9	2.8	4.2	7.1	0.2	1.0	3.5	33.4	21.2	12.2
1991	56.0	(D)	2.7	4.7	(D)	0.2	1.1	(D)	35.5	23.0	12.5
1992	53.8	(D)	3.5	4.1	7.8	0.2	(D)	3.1	32.9	23.8	9.1
1993	52.4	1.3	2.3	4.2	7.8	0.1	1.0	3.4	32.4	25.0	7.4
1994	50.8	1.0	2.4	3.5	7.8	0.2	0.9	2.6	32.5	26.0	6.5
1995	48.9	G	2.4	1.9	9.1	0.1	F	2.6	30.6	23.4	7.2
1996	47.5	G	2.2	1.5	I	0.1	0.9	2.2	29.5	22.2	7.3
1997	50.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1998	45.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

D Data not disclosed.

NA Not available.

Note: Size ranges are given for employment cells that are suppressed. The size ranges are: A--1 to 499; F--500 to 999; G--1,000 to 2,499; H--5,000 to 9,999; I--10,000 to 49,999; L--50,000 to 99,999; M--100,000 or more.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey, Final Results* (various years) and <<http://www.bea.doc.gov/bea/ai/newiid.htm>>; and Hawaii State Department of Business, Economic Development & Tourism calculations.

BIBLIOGRAPHY

This volume is the 33rd of its type published by the Hawaii State Department of Business, Economic Development & Tourism (DBEDT) and its predecessor agencies. The first was *Statistical Abstract of Hawaii, 1962*, issued by the Department of Planning and Research in 1962. After a four-year hiatus, updated versions titled *The State of Hawaii Data Book* were published by the Department of Planning and Economic Development in 1967, 1968, and annually beginning in 1970. The 1987 edition was the first one issued by DBEDT. Copies can be consulted in the DBEDT Library, Hawaii State Library, University of Hawaii and community college libraries, and other collections throughout the state.

Additional information regarding specific statistical sources can be found in the introductory statements to each section of the *Data Book*, in footnotes and source references to the various tables, and in the underlying reports.

Although most of the series in the *Data Book* are shown only for recent years, many earlier figures appear in *Historical Statistics of Hawaii*, by Robert C. Schmitt. This book, published by the University Press of Hawaii in 1977, contains 711 pages of narrative and tables on the development of statistics in Hawaii since the 18th century.

Statistical abstracts have also been recently published for the counties of Hawaii, Maui and Kauai. The Hawaii County Department of Research and Development issued its *1999 County of Hawaii Data Book*, a 469 page compendium, in August 2000. *Maui County Data Book 2001*, 192 pages, a joint production of the Maui County Office of Economic Development and the Hawaii Small Business Development Center Network Business Research Library, appeared in June 2001. *Statistical Abstract of the Kauai Economy, 1994 Edition* (80 pages), prepared by the Kauai County Office of Economic Development, appeared in September 1994.

Persons interested in data for other states or the nation as a whole should consult the *Statistical Abstract of the United States* and its companion volumes, the *State and Metropolitan Area Data Book* and *County and City Data Book*. The *Abstract* is an annual publication of the U.S. Census Bureau, initiated in 1878. The current edition is the 120th, dated 2000; copies are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402. The *State and Metropolitan Area Data Book* and *County and City Data Book* are sold by the same agency. The ordering information and some of the publications may be viewed at the Internet site, <http://www.census.gov>.

**Table A.-- PRINTING HISTORY OF THE STATE OF HAWAII DATA BOOK:
1990 TO 2000**

[For earlier years, see *Data Book 1996*, p. 632]

Edition	Number of pages	Number of tables	Price (dollars)		Printing costs (dollars)	Number of copies printed
			Hawaii	Outside State		
1990	667	732	8.00	1/ 18.00	22,500.00	3,000
1991	657	717	8.00	1/ 18.00	25,312.00	3,000
1992	618	707	8.00	2/ 12.00	24,673.00	3,000
1993-94	571	639	8.00	2/ 12.00	20,430.00	3,000
1995	629	697	15.00	3/ 19.00	23,000.00	3,000
1996	664	705	15.00	3/ 19.00	27,040.00	3,000
1997	679	711	18.00	4/ 22.00	17,140.00	1,500
1998	718	736	20.00	5/ 24.00	6/18,244.32	1,250
1999	7/	749	7/	7/	7/	7/
2000	760	739	20.00	8/ 27.00	19,164.32	1,000

1/ U.S. Mainland price; \$35.00 for foreign countries.

2/ U.S. Mainland price; \$15.00 for Canada, \$20.00 for Mexico, and \$40.00 for all other countries.

3/ U.S. Mainland price: \$21.00 for Canada, \$28.00 for Mexico, and \$48.00 for all other countries.

4/ U.S. Mainland price: \$25.00 for Canada, \$38.00 for Mexico, and \$51.00 for all other countries.

5/ U.S. Mainland price: \$27.00 for Canada, \$40.00 for Mexico, and \$53.00 for all other countries

6/ Revised.

7/ The 1999 *State of Hawaii Data Book* was not printed. It is only available electronically.

8/ U.S. Mainland price: \$36.00 for Canada, \$41.00 for Mexico, and \$53.00 for all other countries

Source: Hawaii State Department of Business, Economic Development & Tourism records.

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