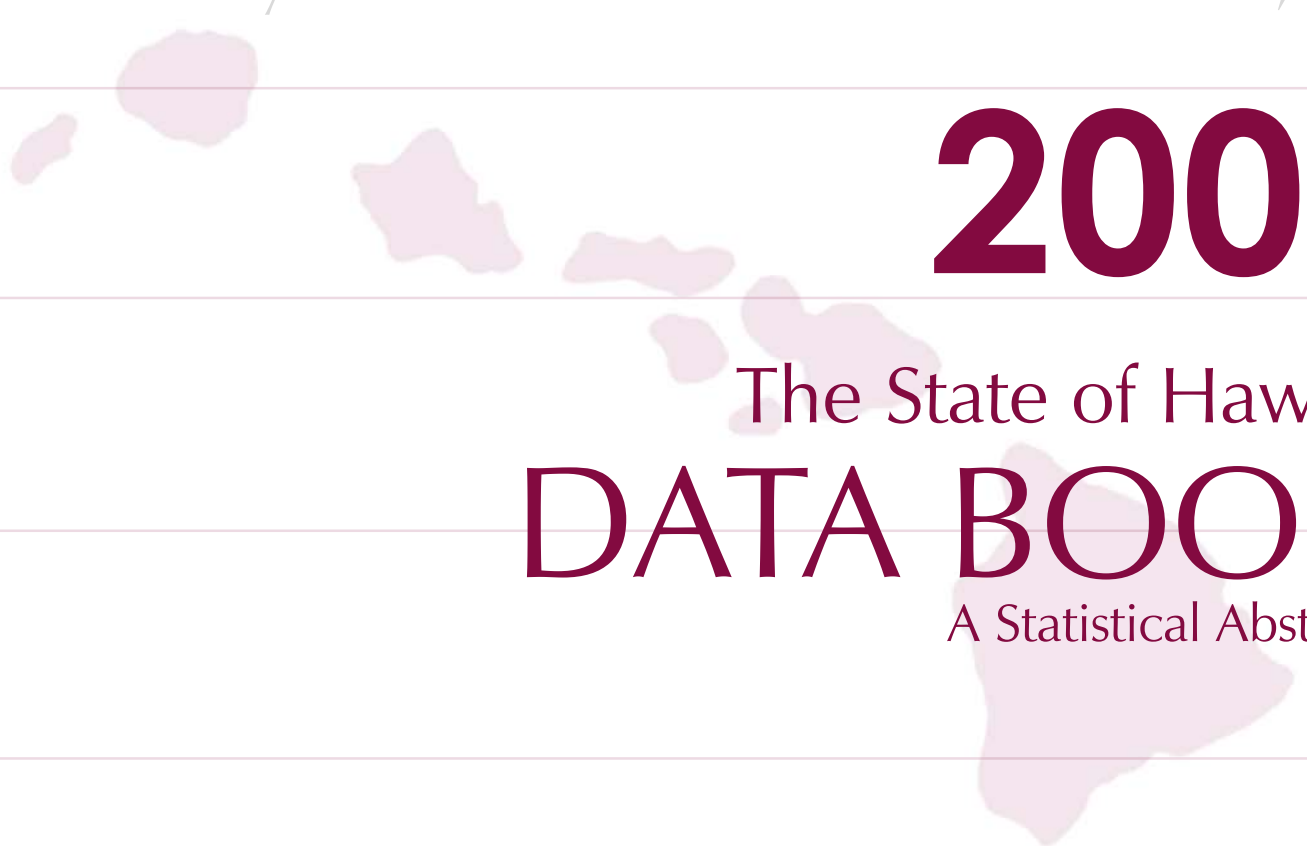


State Population Total 1,224,398

City & County of Honolulu 881,295

Hawaii County 152,083



2001

The State of Hawaii

DATA BOOK

A Statistical Abstract

Kauai County 59,223

Maui County ,797



DBEDT
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
STATE OF HAWAII

2001

The State of Hawaii
DATA BOOK
A Statistical Abstract



DBEDT
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
S T A T E O F H A W A I I

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Bibliography

Table A. Printing History of the State of Hawaii Data Book
On-line availability of *Data Book* tables to public

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, David Hiromoto and the DBEDT Library. The Office of Planning, DBEDT, produced the maps.

The report is available <<http://www.state.hi.us/dbedt/>>.

ABOUT THIS EDITION

The Department of Business, Economic Development & Tourism is pleased to present the 2001 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 34th 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.

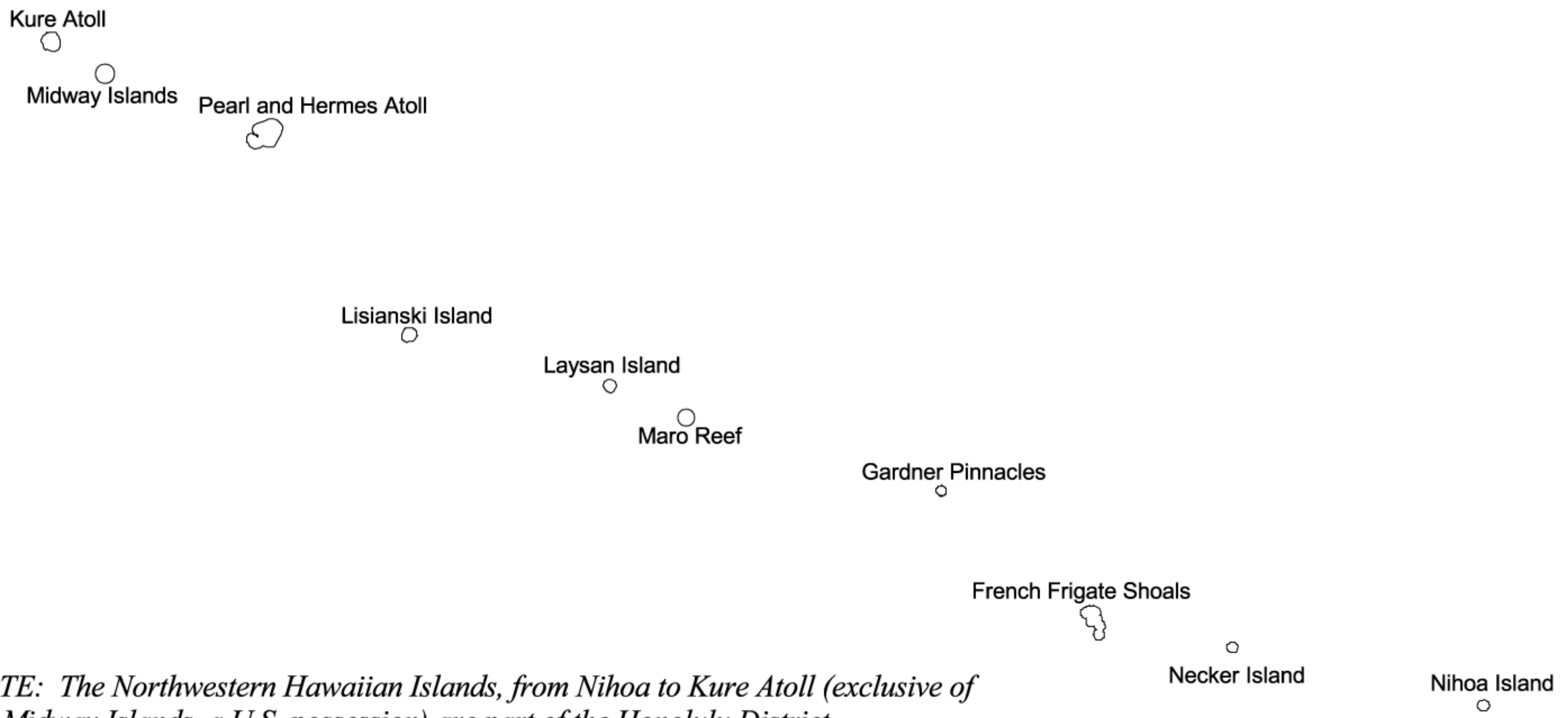


Benjamin J. Cayetano
Governor of Hawaii



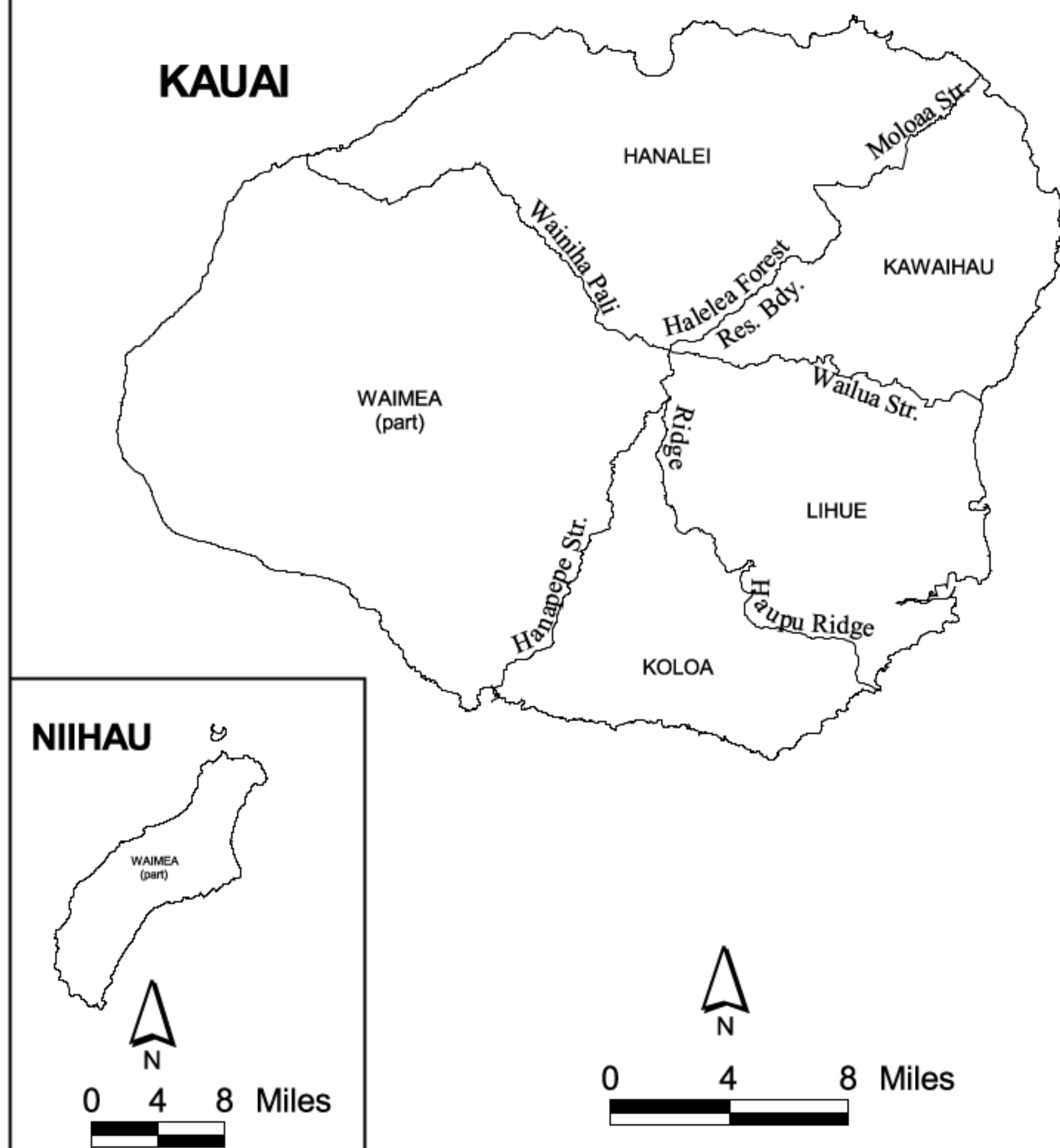
Seiji F. Naya
Director of Business,
Economic Development & Tourism

STATE OF HAWAII COUNTIES and DISTRICTS

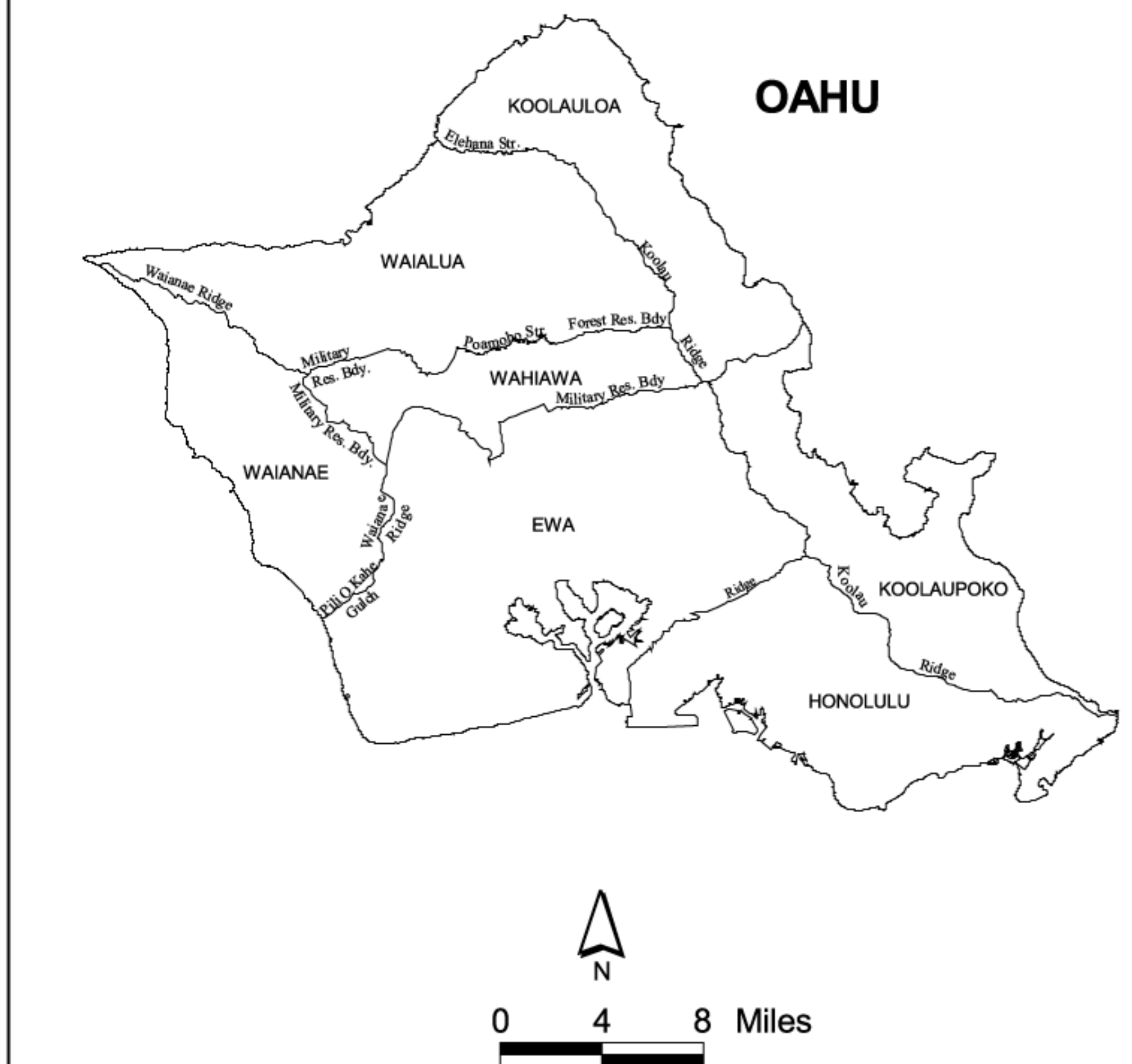


NOTE: The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll (exclusive of the Midway Islands, a U.S. possession) are part of the Honolulu District.

INSET A KAUAI COUNTY



INSET B HONOLULU CITY AND COUNTY

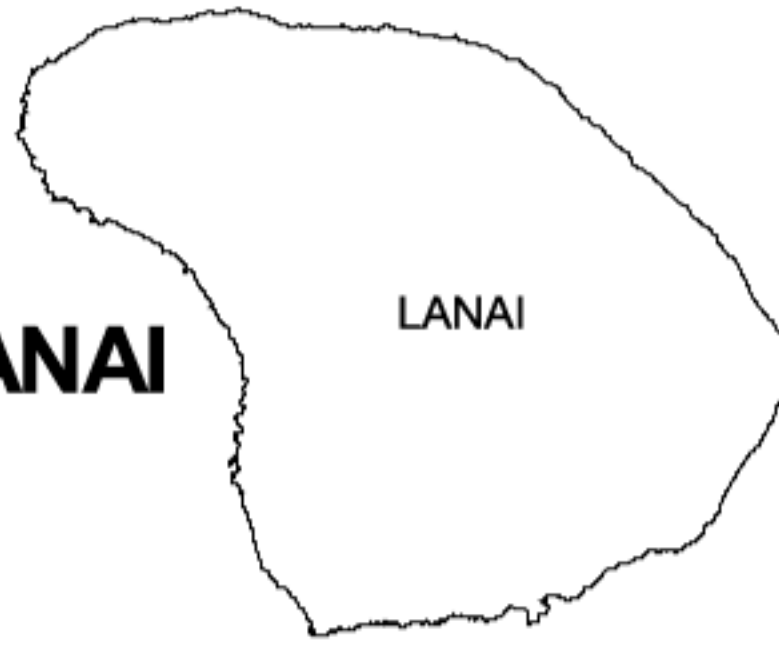


Kalawao is officially designated as a separate county but is usually treated as a district of Maui for statistical purposes.

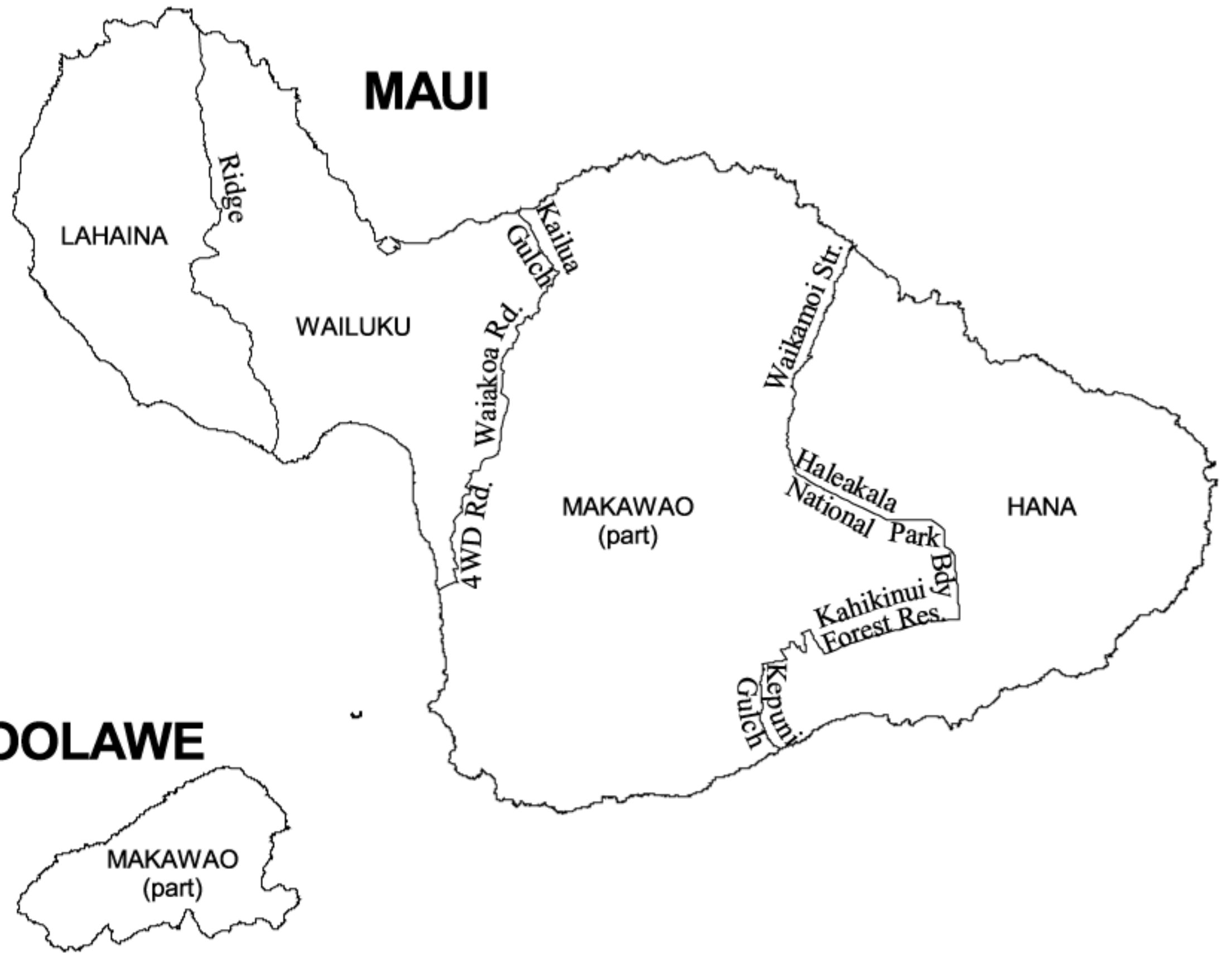
**INSET C
MAUI
COUNTY**



MOLOKAI

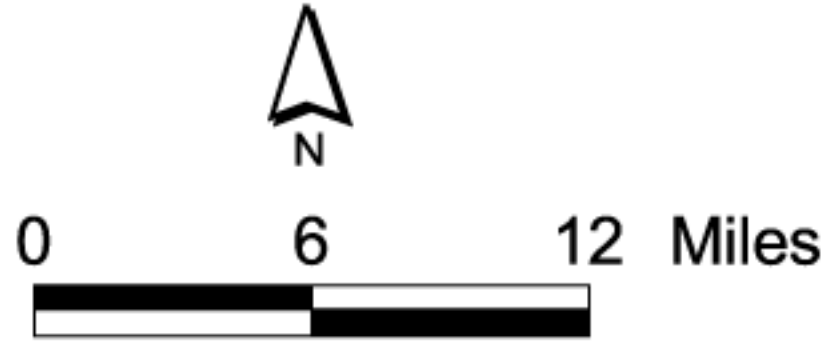


LANAI



MAUI

KAHOOLAWE

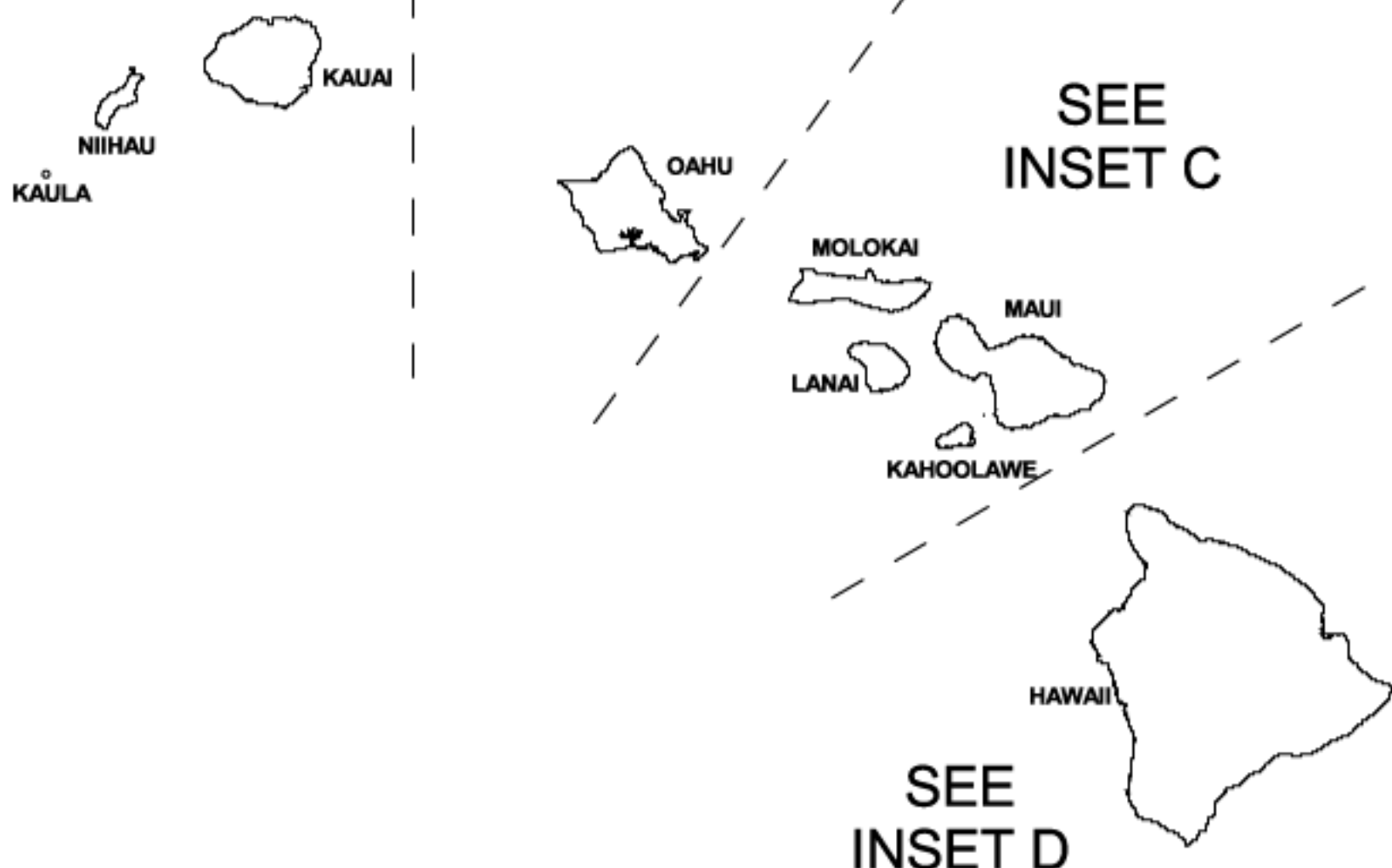


SEE
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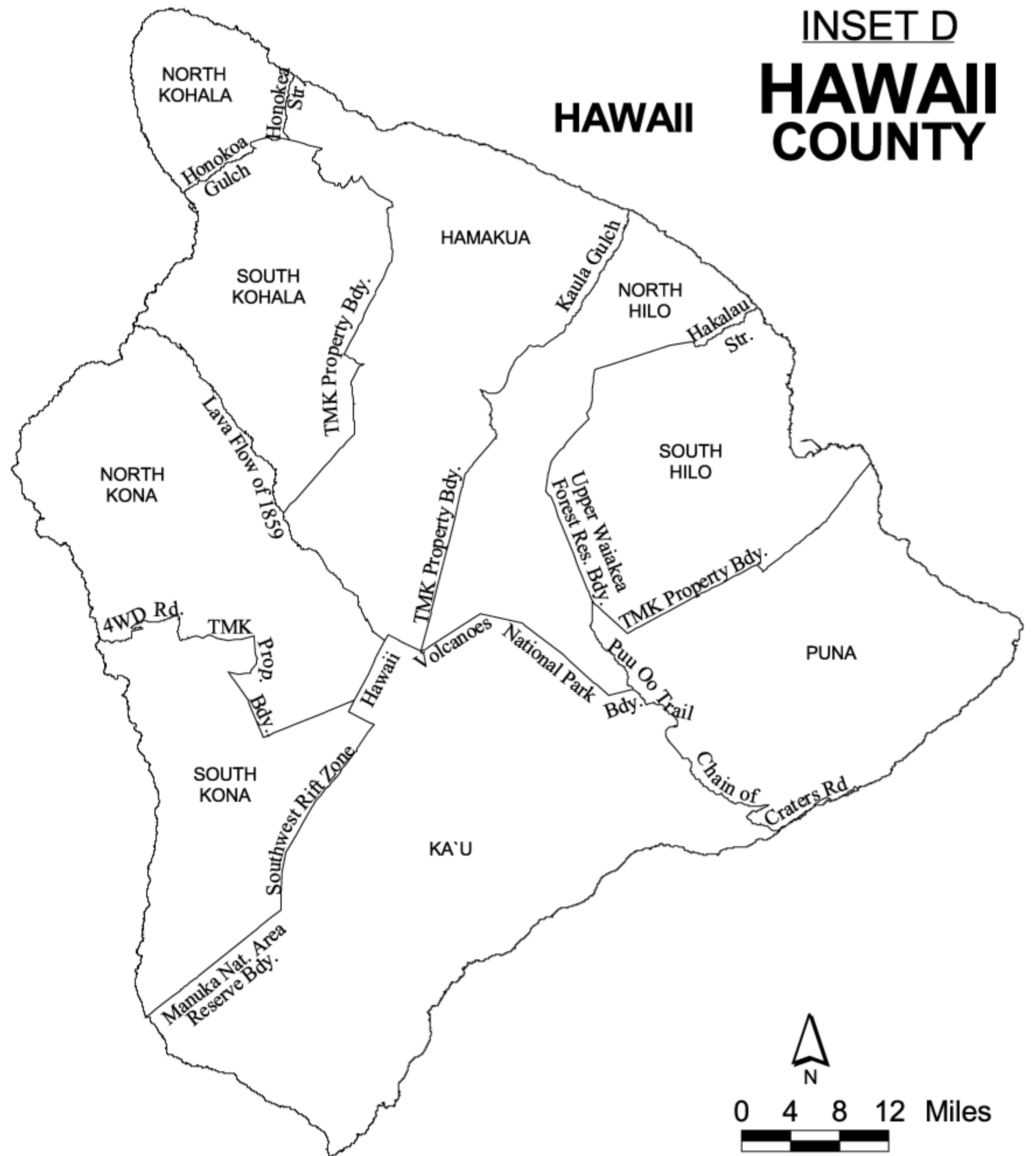
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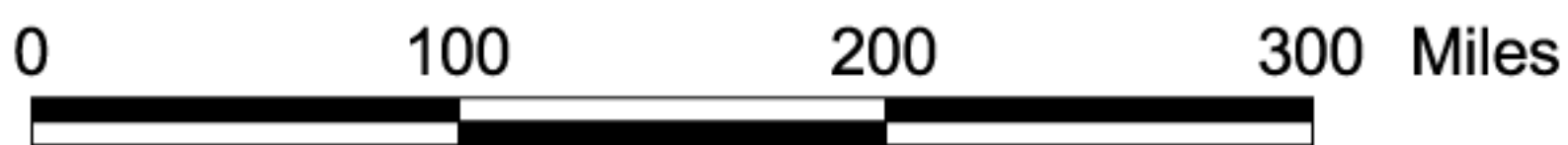
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**INSET D
HAWAII
COUNTY**



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.

Brackets (<>) indicate the Universal resource locator (URL) of the website of the publication, title page, if applicable, or the page where cited material appears.

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: 2001*.

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 2001**

[Excludes visitors present but includes residents temporarily absent]

Year	Total resident population 1/	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	4/ 967,710	57,900	909,810	4/ 64,087	4/ 845,723
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	1,113,491	55,288	1,058,203	60,614	997,589
1991: July 1	1,136,754	54,738	1,082,016	63,328	1,018,688
1992: July 1	1,158,613	55,099	1,103,514	56,994	1,046,520
1993: July 1	1,172,838	52,674	1,120,164	62,166	1,057,998
1994: July 1	1,187,536	52,845	1,134,691	54,338	1,080,353
1995: July 1	1,196,854	50,729	1,146,125	46,519	1,099,606
1996: July 1	1,203,755	47,986	1,155,769	55,337	1,100,432
1997: July 1	1,211,640	44,542	1,167,098	55,575	1,111,523
1998: July 1	1,215,233	44,984	1,170,249	60,538	1,109,711
1999: July 1	1,210,300	41,361	1,168,939	44,350	1,124,589
2000: April 1	1,211,537	39,036	1,172,501	42,533	1,129,968
July 1	1,212,281	40,796	1,171,485	44,647	1,126,838
2001: July 1	1,224,398	42,449	1,181,949	53,103	1,128,846

1/ Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures. The revisions were released April 19, 2002.

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.

4/ Revised.

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) <<http://www.census.gov/population/www/cen2000/respop.html>> accessed May 29, 2001; and 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 2001

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	1,113,491	27,994	1,257,319	154,516	1.129
1991: July 1	1,136,754	31,812	1,252,265	147,323	1.102
1992: July 1	1,158,613	39,200	1,271,662	152,249	1.098
1993: July 1	1,172,838	52,487	1,267,849	147,498	1.081
1994: July 1	1,187,536	54,362	1,289,804	156,630	1.086
1995: July 1	1,196,854	55,856	1,298,096	157,098	1.085
1996: July 1	1,203,755	58,137	1,303,915	158,297	1.083
1997: July 1	1,211,640	40,898	1,327,930	157,187	1.096
1998: July 1	1,215,233	38,495	1,334,125	157,388	1.098
1999: July 1	1,210,300	42,297	1,332,442	164,439	1.101
2000: April 1	1,211,537	42,021	1,337,991	168,475	1.104
July 1	1,212,281	46,151	1,334,767	168,637	1.101
2001 July 1	1,224,398	46,566	1,336,075	158,243	1.091

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. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures. These revisions were released April 19, 2002. Population estimates after 1999 were as revised through December 27, 2001.

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.

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 2001

[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 were revised based upon the April 1, 2000 figures. The revisions were released April 19, 2002]

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
July 1	1,113,491	838,534	121,572	51,676	101,709
1991: July 1	1,136,754	850,510	127,266	53,379	105,599
1992: July 1	1,158,613	863,959	131,630	54,439	108,585
1993: July 1	1,172,838	870,348	135,085	55,461	111,944
1994: July 1	1,187,536	878,591	137,713	56,478	114,754
1995: July 1	1,196,854	881,399	140,492	57,068	117,895
1996: July 1	1,203,755	883,443	141,935	57,688	120,689
1997: July 1	1,211,640	886,711	144,445	57,712	122,772
1998: July 1	1,215,233	886,909	145,833	57,843	124,648
1999: July 1	1,210,300	878,906	146,970	58,264	126,160
2000: April 1	1,211,537	876,156	148,677	58,463	128,241
July 1	1,212,281	875,670	149,199	58,545	128,867
2001: July 1	1,224,398	881,295	152,083	59,223	131,797

1/ Including Kalawao County (Kalaupapa Settlement). Kalawao had 130 in 1990, 147 in 2000, and 135 in 2001.

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 2001

[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
July 1	1,257,319	913,268	137,103	68,558	138,390
1991: July 1	1,252,265	901,717	141,240	69,605	139,703
1992: July 1	1,271,662	912,514	146,421	66,076	146,651
1993: July 1	1,267,849	909,506	148,014	61,262	149,067
1994: July 1	1,289,804	919,898	150,311	67,161	152,434
1995: July 1	1,298,096	921,626	152,482	68,844	155,144
1996: July 1	1,303,915	921,609	154,364	70,474	157,468
1997: July 1	1,327,930	932,931	161,225	71,763	162,011
1998: July 1	1,334,125	931,439	165,205	73,920	163,562
1999: July 1	1,332,442	927,689	164,570	74,441	165,743
2000: April 1	1,337,991	927,174	167,073	75,200	168,544
July 1	1,334,767	925,233	166,384	74,711	168,439
2001: July 1	1,336,075	925,250	168,524	74,088	168,213

1/ Including Kalawao County (Kalaupapa Settlement). The 2001 de facto population of Kalawao was 135.

Source: U.S. Census Bureau, 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 POPULATION DENSITY, BY COUNTIES
AND ISLANDS: 2000**

[Revised data]

County and island	Land area		Resident population density		De facto population density	
	Square km.	Square miles	Per square km.	Per square mile	Per square km.	Per square mile
State total	16,634.52	6,422.62	72.8	188.6	80.4	208.3
Counties:						
Hawaii	10,432.52	4,028.02	14.3	36.9	16.0	41.5
Maui 1/	3,036.51	1,172.41	42.2	109.4	55.5	143.8
Honolulu	1,553.39	599.77	564.0	1,460.8	596.9	1,545.9
Kauai	1,612.11	622.44	36.3	93.9	46.6	120.8
Islands:						
Hawaii	10,432.52	4,028.02	14.3	36.9	16.0	41.5
Maui	1,883.50	727.22	62.5	161.8	82.9	214.7
Molokini	0.09	0.04	-	-	-	-
Kahoolawe	115.50	44.60	-	-	-	-
Lanai	363.97	140.53	8.8	22.7	11.7	30.2
Molokai	673.44	260.02	11.0	28.5	12.1	31.3
Oahu	1,545.34	596.66	567.0	1,468.4	600.0	1,553.9
Kauai	1,430.43	552.29	40.8	105.6	52.5	135.9
Niihau	179.89	69.46	0.9	2.3	0.9	2.3
Lehua	1.15	0.44	-	-	-	-
Kaula	0.64	0.25	-	-	-	-
Northwestern Hawaiian Islands 2/	8.05	3.11	0.6	1.6	0.6	1.6

1/ Maui County includes Kalawao County.

2/ Includes the Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, except Midway.

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)	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
Kealakekua	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)
Paauiilo	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: 2000 AND 2001

[Based on population as of July 1 unless otherwise specified]

Comparison 1/	Resident population, 2001	Ranking		
		Population 2/		Percent change, 2000-2001 3/
		2000	2001	
State of Hawaii:				
Among the 50 States and D.C.	1,224,398	42	42	19
Among the 50 States	1,224,398	42	42	19
Honolulu MSA: 4/				
Among all MSAs and CMSAs	5/ 876,156	56	(NA)	(NA)
City and County of Honolulu: 6/				
Among all counties	881,295	48	49	1,258
Among all incorporated places	5/ 876,156	12	(NA)	(NA)
Honolulu CDP: 7/				
Among all incorporated places	5/ 365,272	47	(NA)	(NA)
Hawaii County 8/	152,083	363	356	442
Kalawao County 8/	135	3,140	9/ 3,140	9/ 3,140
Kauai County 8/	59,223	818	816	802
Maui County 8/	131,662	422	419	334

NA Not available.

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

2/ Largest number ranking 1. Rankings for 2000 are based on population as of April 1, 2000.

3/ Ranking of the area in regard to 2000-2001 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/ Resident population as of April 1, 2000.

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

7/ 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.

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

9/ Kalawao County has the second lowest county population as well as the second lowest growth rate in the United States. The county with the lowest population in the United States is Loving, Texas with a population of 70. The county with the lowest growth rate was King County, Texas.

Source: U.S. Census Bureau, Population Division <<http://eire.census.gov/popest/estimates.php>> accessed June 25, 2002.

2000 NEIGHBORHOOD AREAS

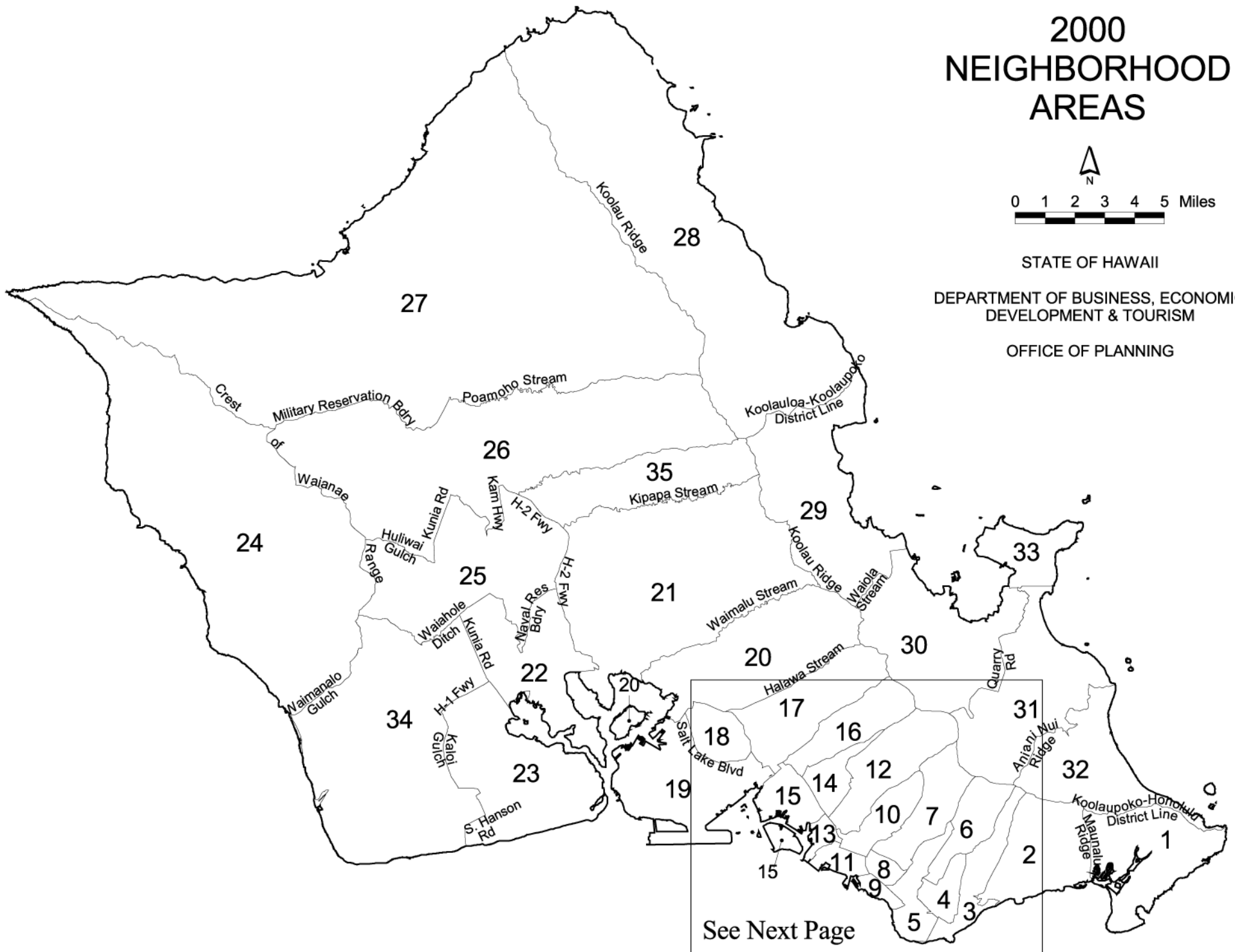


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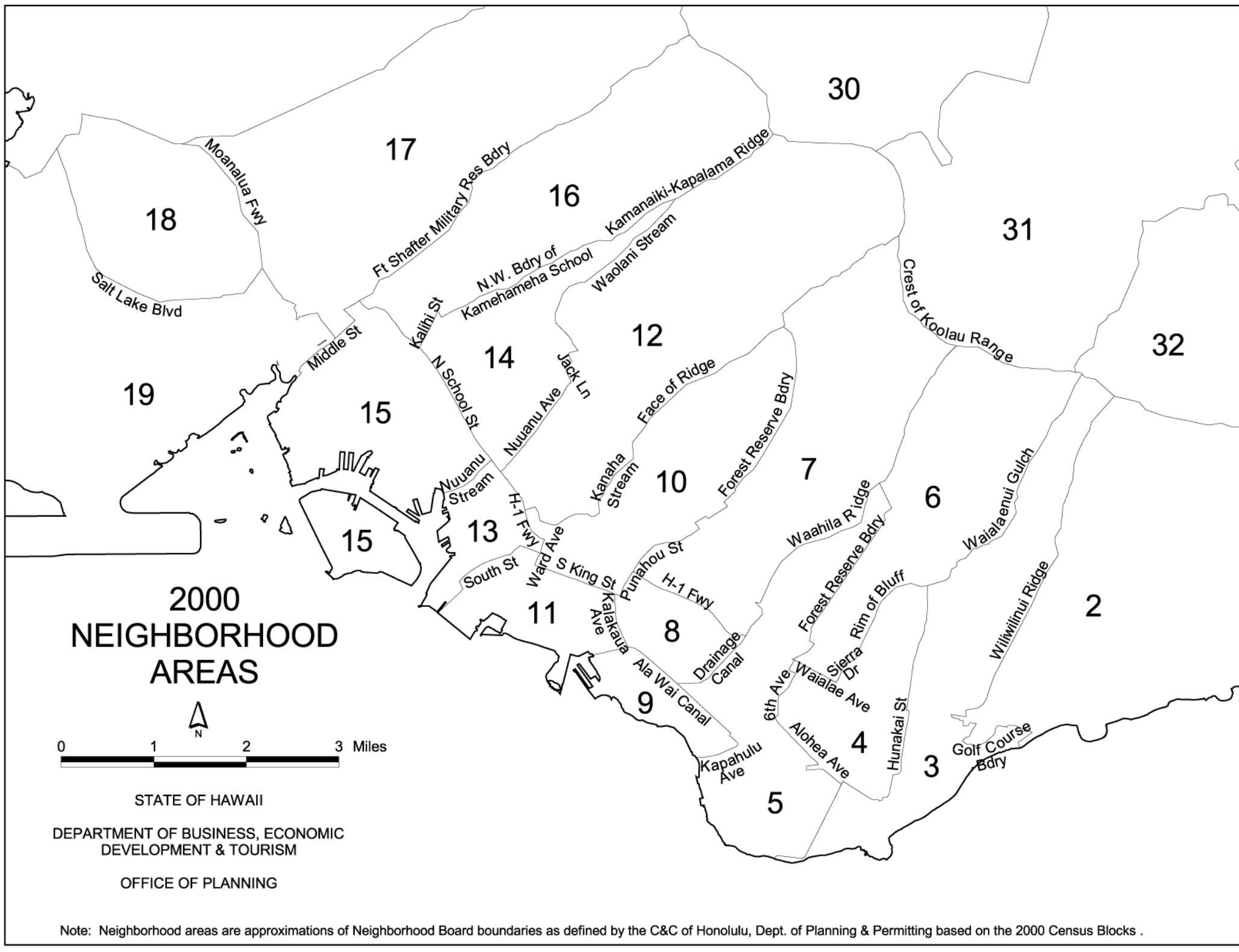
STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT & TOURISM

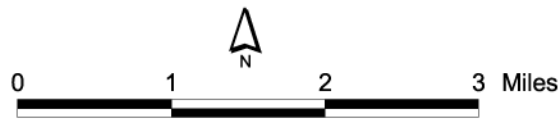
OFFICE OF PLANNING



Note: Neighborhood areas are approximations of Neighborhood Board boundaries as defined by the C&C of Honolulu, Dept. of Planning & Permitting based on the 2000 Census Blocks .



2000 NEIGHBORHOOD AREAS



STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

OFFICE OF PLANNING

Note: Neighborhood areas are approximations of Neighborhood Board boundaries as defined by the C&C of Honolulu, Dept. of Planning & Permitting based on the 2000 Census Blocks .

Table 1.13-- POPULATION OF OAHU NEIGHBORHOODS: 1990 AND 2000

Neighborhood Board 1/ (see maps)	1990 2/	2000	Percent change
Oahu total 1/	836,231	876,165	4.8
1 Hawaii Kai	27,432	27,657	0.8
2 Kuliouou-Kalani Iki	15,195	18,271	20.2
3 Waialae-Kahala	9,696	7,118	-26.6
4 Kaimuki	18,351	18,063	-1.6
5 Diamond Head/Kapahulu/ St. Louis Heights	20,945	19,137	-8.6
6 Palolo	13,044	13,091	0.4
7 Manoa	21,496	21,184	-1.5
8 McCully/Moiliili	28,466	26,122	-8.2
9 Waikiki	19,768	19,720	-0.2
10 Makiki/Lower Punchbowl/ Tantalus	29,416	30,145	2.5
11 Ala Moana/Kakaako	10,978	14,186	29.2
12 Nuuanu/Punchbowl	16,254	16,494	1.5
13 Downtown	11,601	14,575	25.6
14 Liliha/Kapalama	21,221	19,905	-6.2
15 Kalihi-Palama	40,147	37,987	-5.4
16 Kalihi Valley	17,798	17,937	0.8
17 Moanalua	12,256	11,748	-4.1
18 Aliamanu/Salt Lake/ Foster Village	37,498	36,572	-2.5
19 Airport	26,762	18,163	-32.1
20 Aiea	32,553	31,221	-4.1
21 Pearl City	46,928	47,794	1.8
22 Waipahu	51,174	62,402	21.9
23 Ewa	26,898	53,099	97.4
24 Waianae Coast	37,581	42,333	12.6
25 Mililani/Waipio/Melemanu	34,668	34,592	-0.2
26 Wahiawa	44,540	39,553	-11.2
27 North Shore	15,729	18,380	16.9
28 Koolauloa	14,263	14,546	2.0
29 Kahaluu	14,475	14,732	1.8
30 Kaneohe	40,622	36,736	-9.6
31 Kailua	41,880	43,780	4.5
32 Waimanalo	9,055	10,919	20.6
33 Mokapu	11,662	11,827	1.4
34 Makakilo/Kapolei/ Honokai Hale	15,863	15,545	-2.0
35 Mililani Mauka-Launani Valley	16	10,622	66,287.5

Footnotes and source on next page.

**Table 1.13-- POPULATION OF OAHU NEIGHBORHOODS:
1990 AND 2000 -- Cont.**

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries. Neighborhood area boundaries for 2000 may not be the same as boundaries for 1990.

2/ Revised.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, Community Profiles for Neighborhood Areas <<http://honoluludpp.org/planning/demographics/cp-toc.pdf>> accessed June 13, 2002.

2000 CENSUS TRACTS ISLAND OF OAHU



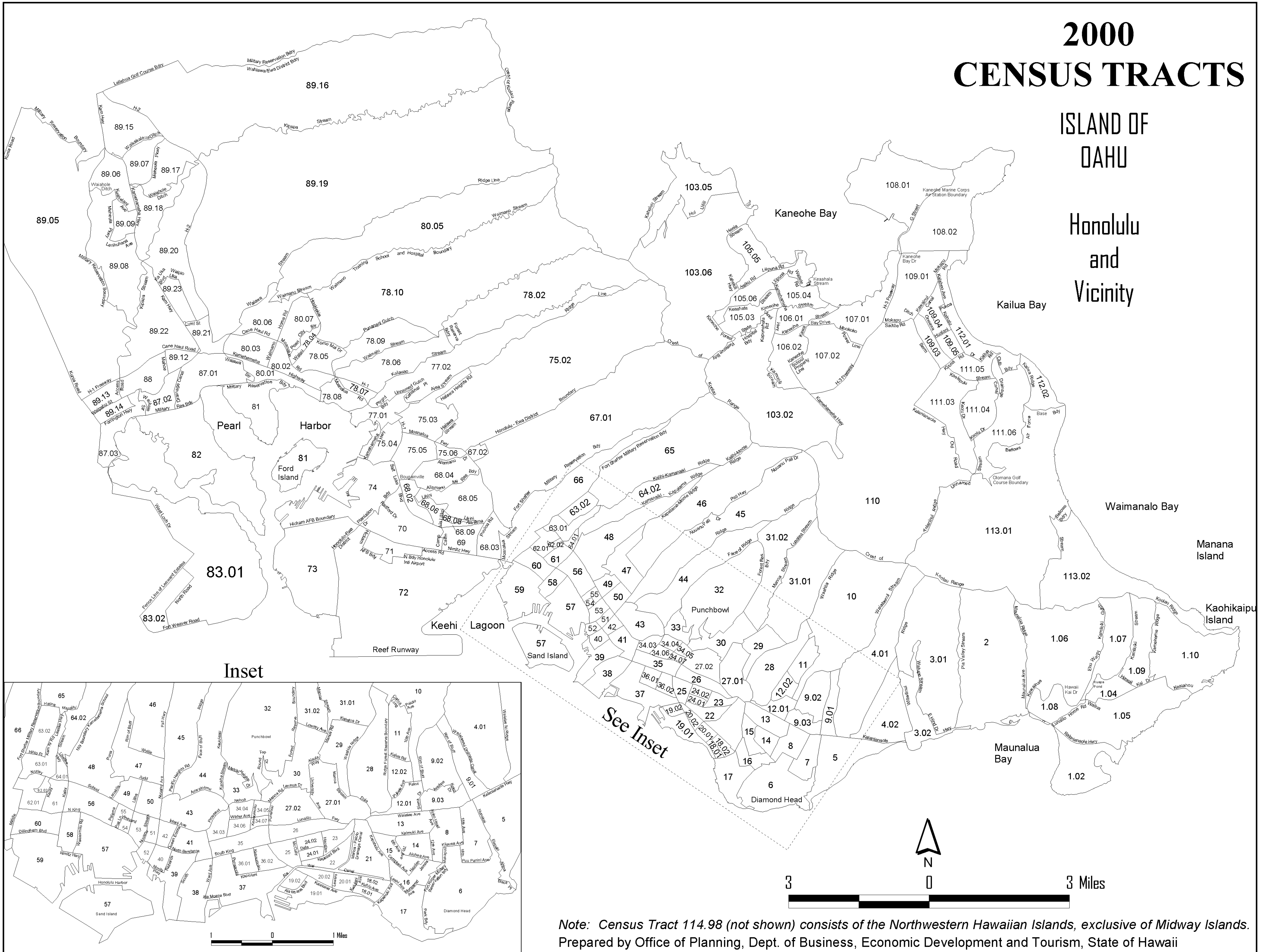
WAHIAWA - SCHOFIELD BARRACKS INSET

SEE
HONOLULU & VICINITY MAP

2000 CENSUS TRACTS

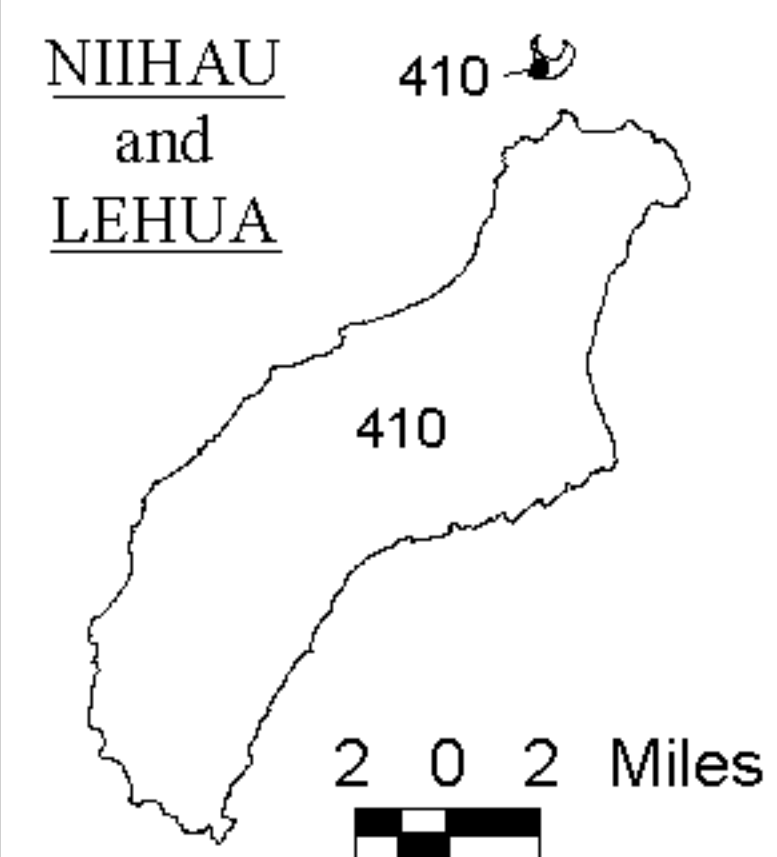
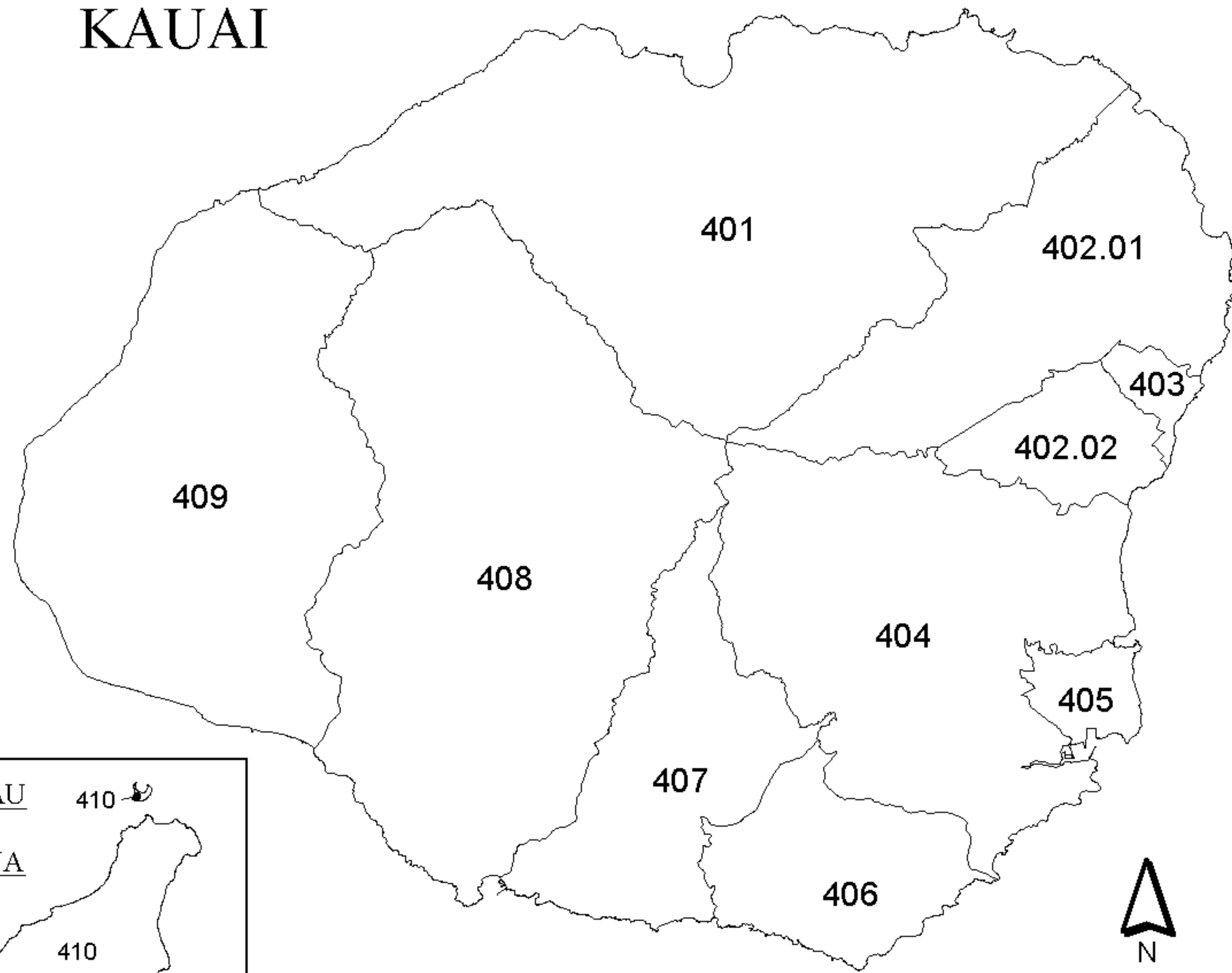
ISLAND OF
OAHU

Honolulu
and
Vicinity



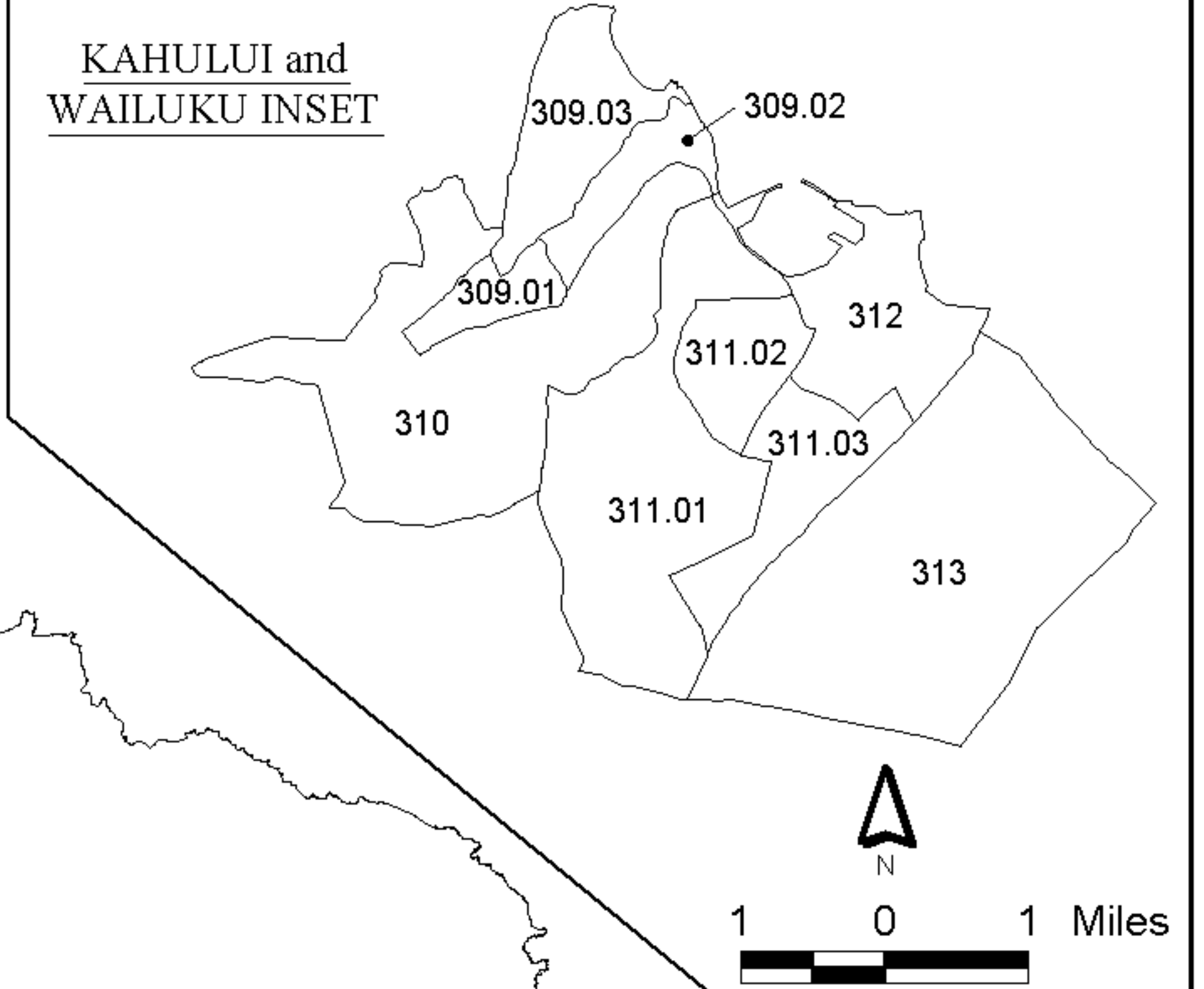
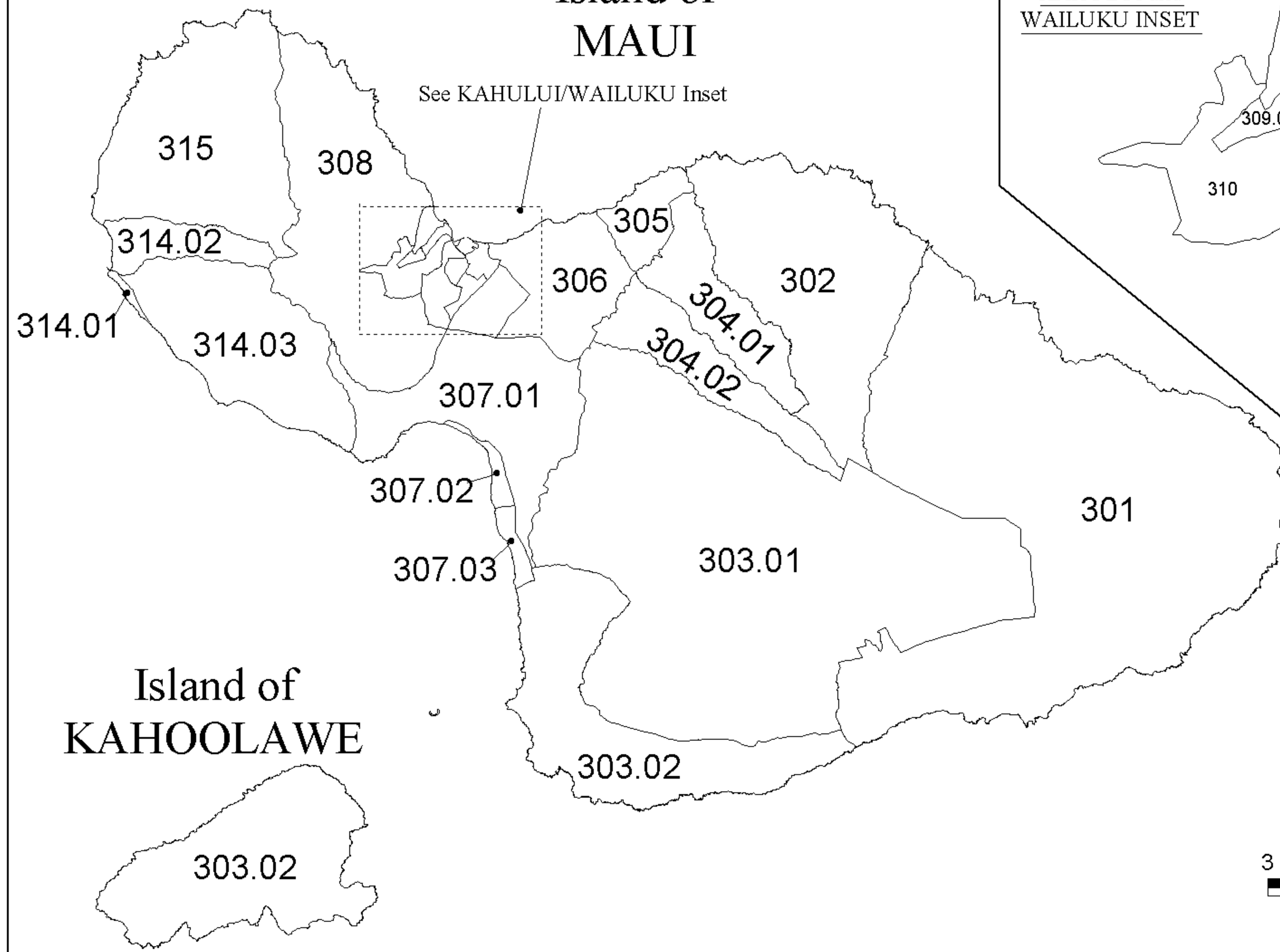
Note: Census Tract 114.98 (not shown) consists of the Northwestern Hawaiian Islands, exclusive of Midway Islands.
Prepared by Office of Planning, Dept. of Business, Economic Development and Tourism, State of Hawaii

**Island of
KAUAI**

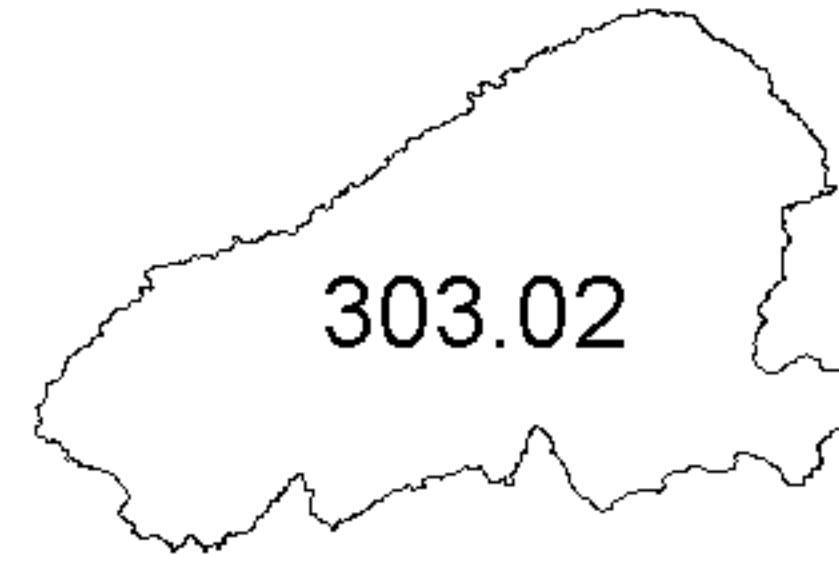


Note: Census Tract 411 includes the island of Kaula (not shown).

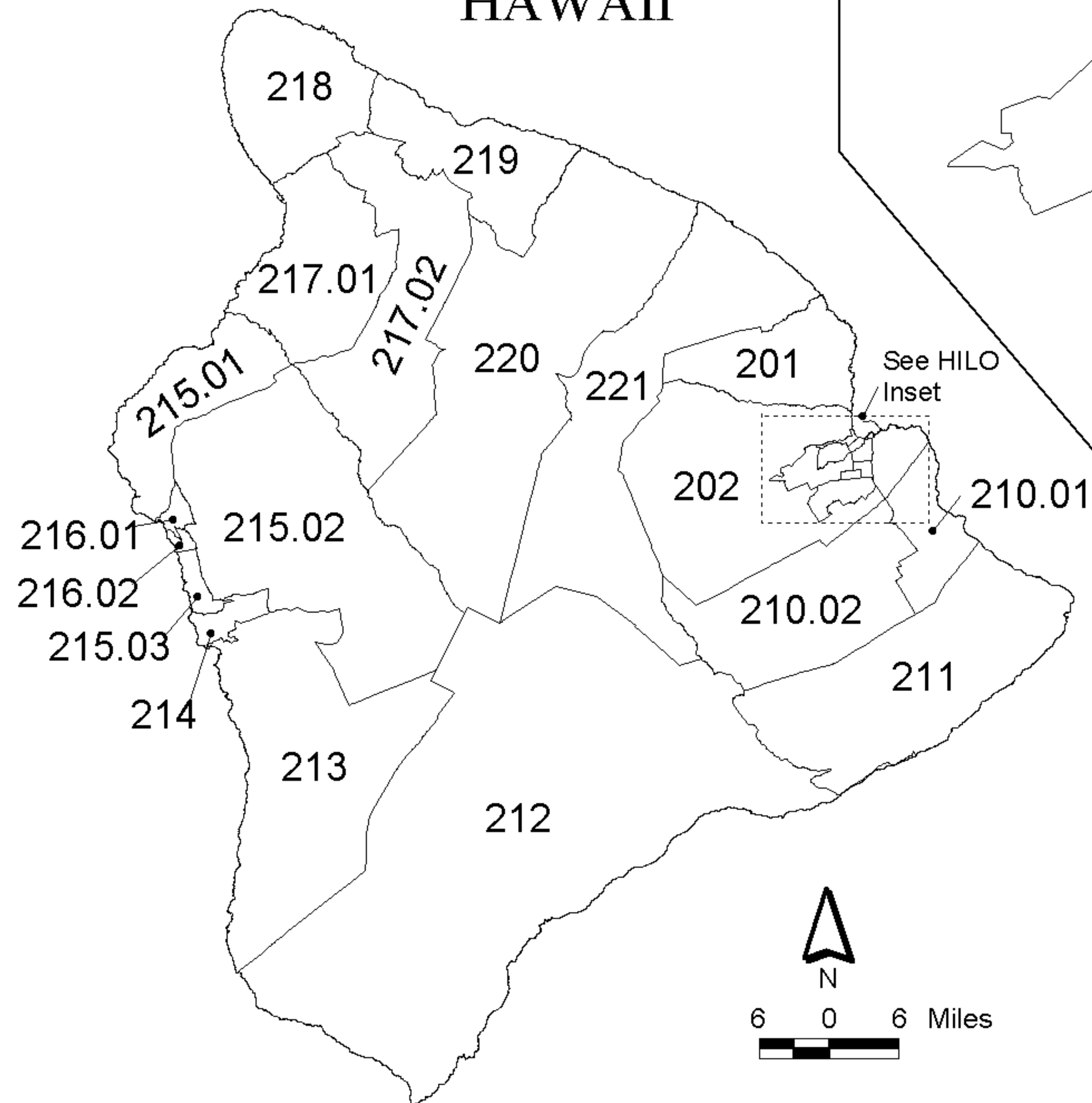
**Island of
MAUI**



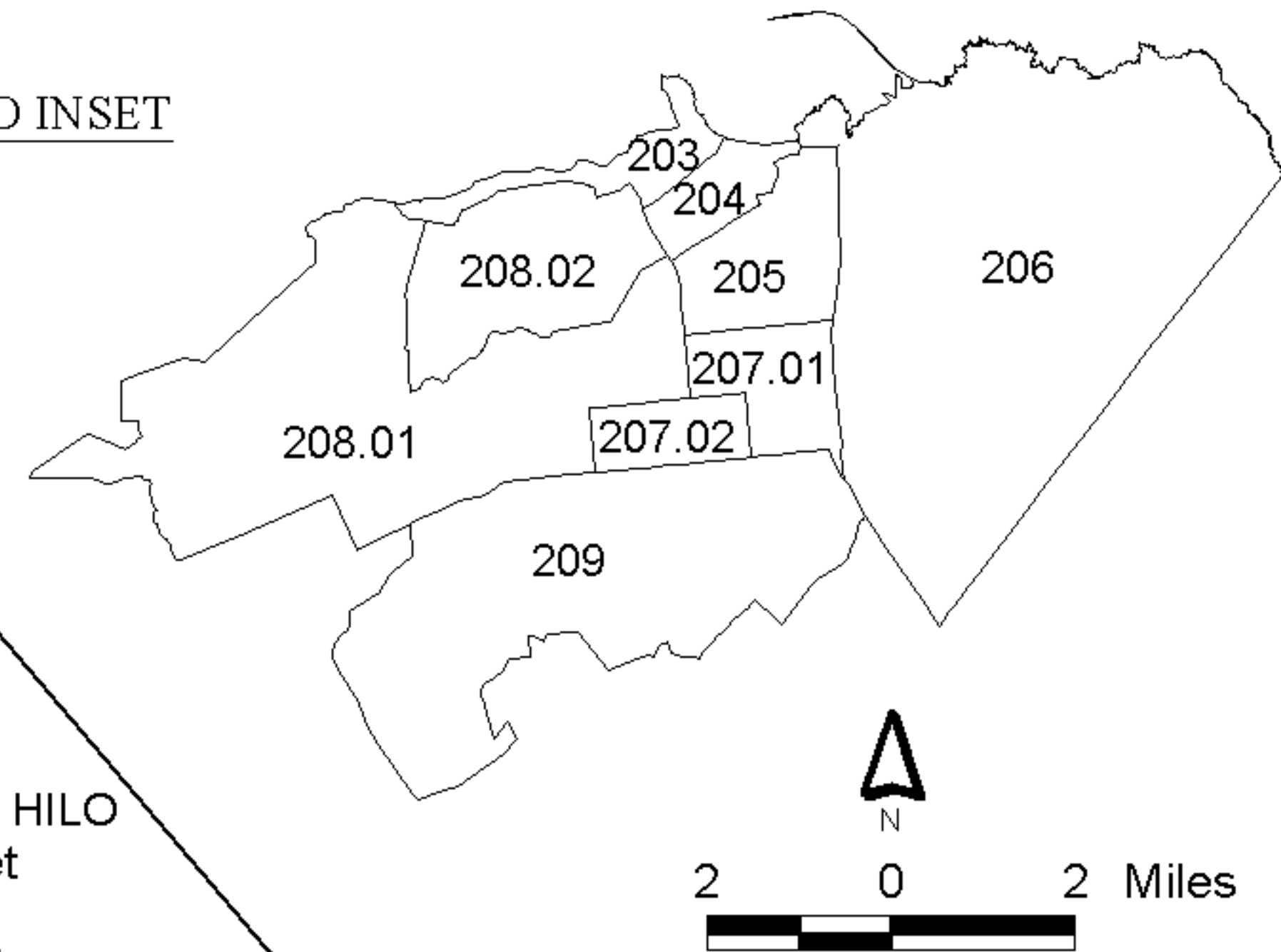
**Island of
KAHOOLAWE**



**Island of
HAWAII**

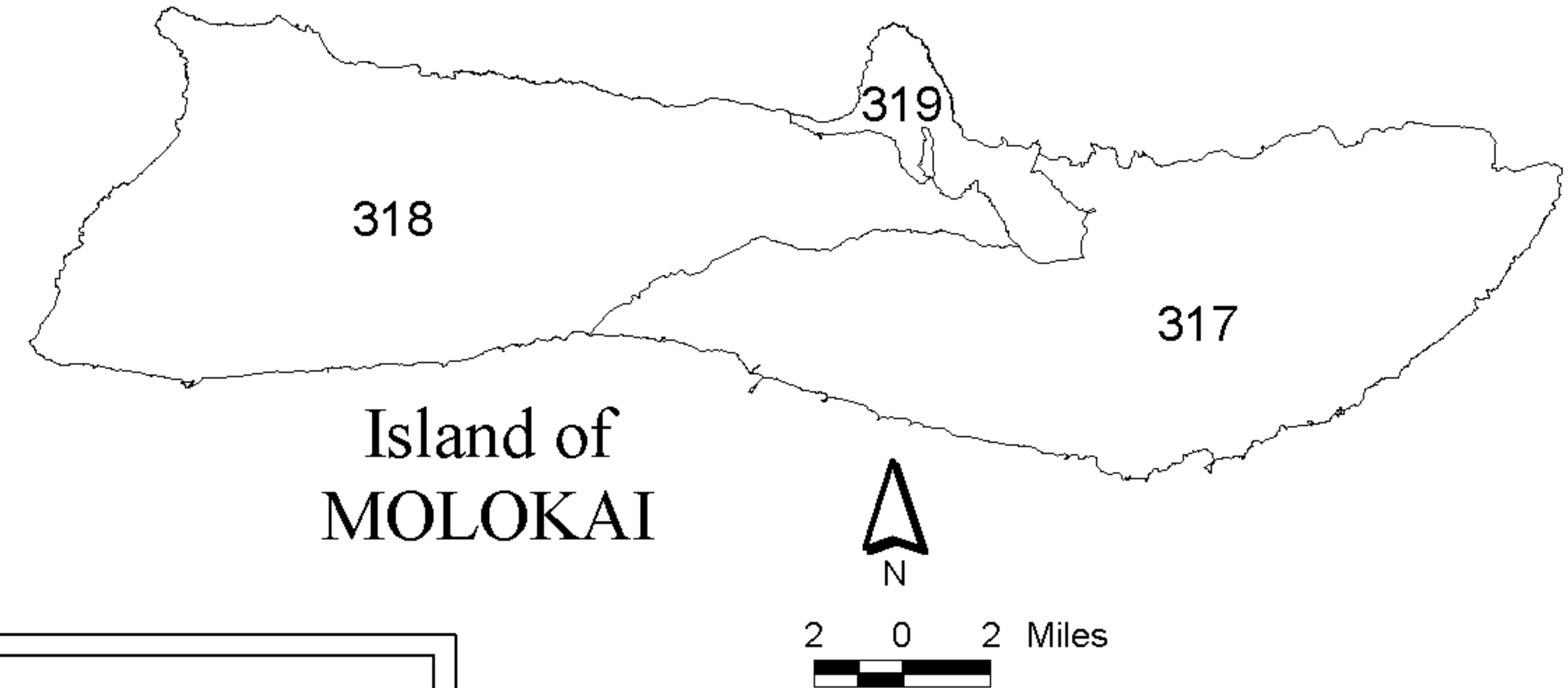


HILO INSET



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-- POPULATION CHARACTERISTICS OF OAHU
NEIGHBORHOODS: 2000**

Neighborhood Area (see maps) 1/	Resident population	Median age	House- holds	Average household size	Average family size
Oahu total	876,165	35.7	286,450	2.95	3.46
1 Hawaii Kai	27,657	42.1	9,666	2.86	3.21
2 Kuliouou-Kalani Iki	18,271	45.1	6,204	2.93	3.29
3 Waiialae-Kahala	7,118	46.1	2,728	2.61	3.08
4 Kaimuki	18,063	45.4	6,362	2.78	3.34
5 Diamond Head/Kapahulu/ St. Louis Heights	19,137	42.7	7,698	2.44	3.18
6 Palolo	13,091	41.7	4,373	2.97	3.53
7 Manoa	21,184	39.3	7,051	2.59	3.13
8 McCully/Moiliili	26,122	38.9	12,670	2.04	2.92
9 Waikiki	19,720	42.2	11,397	1.72	2.59
10 Makiki/Lower Punchbowl/ Tantalus	30,145	41.0	14,998	1.97	2.84
11 Ala Moana/Kakaako	14,186	42.9	7,797	1.78	2.65
12 Nuuanu/Punchbowl	16,494	43.5	6,180	2.63	3.32
13 Downtown	14,575	40.9	6,818	1.87	2.78
14 Liliha/Kapalama	19,905	44.4	6,495	2.93	3.58
15 Kalihi-Palama	37,987	36.3	10,258	3.57	4.34
16 Kalihi Valley	17,937	36.5	3,941	4.42	4.93
17 Moanalua	11,748	36.0	3,219	3.08	3.36
18 Aliamanu/Salt Lake/ Foster Village	36,572	33.4	11,732	3.09	3.67
19 Airport	18,163	25.7	5,001	3.32	3.37
20 Aiea	31,221	37.6	10,580	2.89	3.52
21 Pearl City	47,794	37.7	14,369	3.13	3.53
22 Waipahu	62,402	34.1	16,937	3.60	4.12
23 Ewa	53,099	30.8	14,324	3.68	4.08
24 Waianae Coast	42,333	28.5	10,554	3.97	4.47
25 Mililani/Waipio/Melemanu	34,592	35.4	11,038	3.13	3.49
26 Wahiawa	39,553	26.2	10,603	3.30	3.68
27 North Shore	18,380	31.3	5,893	3.05	3.60
28 Koolauloa	14,546	27.6	3,682	3.75	4.40
29 Kahaluu	14,732	36.4	4,476	3.29	3.66
30 Kaneohe	36,736	38.1	11,348	3.18	3.60
31 Kailua	43,780	39.6	14,628	2.96	3.44
32 Waimanalo	10,919	32.9	2,657	4.03	4.46
33 Mokapu	11,827	22.0	2,332	3.21	3.25
34 Makakilo/Kapolei/ Honokai Hale	15,545	32.7	4,589	3.38	3.77
35 Mililani Mauka-Launani Valley	10,622	32.8	3,852	2.76	3.23

Footnotes and source on next page.

**Table 1.14-- POPULATION CHARACTERISTICS OF OAHU
NEIGHBORHOODS: 2000 -- Cont.**

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries. Neighborhood area boundaries for 2000 may not be the same as boundaries for 1990.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, Community Profiles for Neighborhood Areas <<http://honoluludpp.org/planning/demographics/cp-toc.pdf>> accessed June 13, 2002.

Table 1.15-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 2000

[See maps]

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/ 1.09 3/	Lunalilo Park Subdivision		2,171
		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 1.15-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 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/		-	}
36.97		Sheridan Street	2,369	2,386
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 1.15-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 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	}
		Iwilei-Anuenue			1,550
57.99			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
	} 68.08 3/			}
		Ala Ilima High Rise-Mauka			4,638
68.07			10,084	
	} 68.09 3/			}
		Ala Ilima High Rise-Makai			5,092
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 1.15-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 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
	} 78.09 3/	Newtown		} 3,873
78.03			9136	
	} 78.10 3/	Royal Summit		} 5,811
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
	} 84.01 3/	Ewa Gentry-East		} 3,300
			84.02 3/		Ewa Beach	8,087
84	} 84.03 3/	Ocean Pointe	9,677	} 2,249
85	} 85 4/	Barbers Point	4,529	} 1,311
86.98 (pt.)			(NA)	
86.99			23	

Continued on next page.

Table 1.15-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 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			8,084	
	89.14 3/	Punawai		4,311
	89.15 3/	Waipio Acres		5,219
89.04			5,183	
	89.16 3/	Mililani Mauka		11,181
	89.17 3/	Mililani Town Center- -Makaunulau		4,879
89.10			10,444	
	89.18 3/	Mililani-Nob Hill		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			11,893	
	89.22 3/	Waikele		6,895
	89.23 3/	Waipio Gentry		4,741

Continued on next page.

Table 1.15-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 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	Maili	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	Waihole 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 1.15-- RESIDENT POPULATION FOR THE CITY AND COUNTY OF HONOLULU, BY DISTRICTS AND CENSUS TRACTS: 1990 AND 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
	108.01 3/	Mokapu-West		3,906
108			11,662	
	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 1.16-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND CENSUS TRACTS:
1990 AND 2000**

[See maps]

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/		3,902	} 4,909
206.99		Hilo: Keaukaha-Panaewa	-	
207.01	207.01	Hilo: Puainako	4,399	4,535
207.02	207.02	Hilo: Kawaihewa	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		Kaumalumau-Kealakekua	3,089	

Continued on next page.

**Table 1.16-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND
CENSUS TRACTS: 1990 AND 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-Kaumalumalu	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 1.16-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND
CENSUS TRACTS: 1990 AND 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 1.16-- RESIDENT POPULATION FOR HAWAII, KAUAI, KALAWAO,
AND MAUI COUNTIES, BY DISTRICTS AND
CENSUS TRACTS: 1990 AND 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 1.17-- RESIDENT POPULATION OF 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	Population total	Native Hawaiian		Island and Hawaiian Home Lands	Population total	Native Hawaiian	
		Race alone	Race alone or in combination			Race alone	Race alone or in combination
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
Kamoa-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 1.17-- RESIDENT POPULATION OF HAWAIIAN HOME LANDS,
BY NATIVE HAWAIIAN RACE, BY ISLAND: 2000 - Con.**

Island and Hawaiian Home Land	Popu- lation total	Native Hawaiian		Island and Hawaiian Home Land	Popu- lation total	Native Hawaiian	
		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- Kalawahine- Kalawahine- Kewalo- Papakolea	1,575	876	1,343	Waimanalo	3,028	1,590	2,544
Kapalama	-	-	-	Kauai	2,028	995	1,560
Kapolei	-	-	-	Anahola- Kamalomalo	1,735	871	1,336
Lualualei	1,826	773	1,485	Hanapepe	54	19	35
Moilili	-	-	-	Kapaa	4	-	-
Nanakuli	5,099	2,382	4,429	Kekaha	225	104	184
Shafter Flats	-	-	-	Molooa	-	-	-
				Wailua	10	1	5
				Waimea	-	-	-

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

**Table 1.18-- RESIDENT POPULATION BY ISLAND AND
ZIP CODE TABULATION AREAS: 2000**

[ZIP Code Tabulation Areas are not exact representations of the USPS's ZIP Code delivery areas]

Zip code tabulation area 1/	Name 2/	Resident population	Zip code tabulation area 1/	Name 2/	Resident population
State total		1,211,537	Maui (con.):		
Hawaii			96753	Kihei	22,437
96704	Captain Cook	6,617	96761	Lahaina (Main Office)	18,518
96710	Hakalau	370	96768	Makawao/ Pukalani	15,877
96718	Hawaii National Park	29	96779	Paia	2,753
96719	Hawi	2,615	96790	Kula	6,690
96720	Hilo (Main Office)	42,916	96793	Wailuku	21,762
96725	Holualoa	2,956			
96727	Honokaa	4,435	Lanai		
96728	Honomu	587	96763	Lanai City	3,189
96737	Ocean View	2,112			
96738	Waikoloa	5,269	Molokai		
96740	Kailua-Kona	25,132	96729	Hoolehua	1,075
96743	Kamuela	8,546	96742	Kalaupapa	147
96749	Keaau	11,553	96748	Kaunakakai	4,692
96750	Kealakekua	2,629	96757	Kualapuu	858
96755	Kapaau	2,973	96770	Maunaloa	630
96760	Kurtistown	2,070			
96764	Laupahoehoe	795	Oahu		
96771	Mountain View	4,410	96701	Aiea	41,423
96772	Naalehu	1,930	96706	Ewa Beach	43,874
96773	Ninole	182	96707	Kapolei	25,054
96774	Ookala	187	96712	Haleiwa	7,699
96776	Paauilo	1,396	96717	Hauula	5,063
96777	Pahala	1,466	96730	Kaawa	1,543
96778	Pahoa	10,653	96731	Kahuku	2,716
96780	Papaaloa	524	96734	Kailua	51,081
96781	Papaikou	1,573	96744	Kaneohe	54,415
96783	Pepeekeo	1,895	96759	Kunia	667
96785	Volcano	2,855	96762	Laie	4,883
Maui			96782	Pearl City	37,879
96708	Haiku	8,595	96786	Wahiawa	41,605
96713	Hana	1,612	96789	Mililani Town	45,093
96732	Kahului	19,390	96791	Waialua	7,908

Continued on next page.

**Table 1.18-- RESIDENT POPULATION BY ISLAND AND
ZIP CODE TABULATION AREAS: 2000 - Con.**

Zip code tabulation area 1/	Name 2/	Resident population	Zip code tabulation area 1/	Name 2/	Resident population
Oahu (con.):			Kauai		
96792	Waianae	42,342	96703	Anahola	2,174
96795	Waimanalo	9,872	96705	Eleele	1,955
96797	Waipahu	63,228	96714	Hanalei	2,165
96813	Downtown	21,435	96716	Hanapepe	2,475
96814	Downtown	13,906	96722	Princeville	1,212
96815	Waikiki	27,507	96741	Kalaheo	6,277
96816	Waialae Kahala	48,839	96746	Kapaa	16,188
96817	Kapalama	52,044	96747	Kaumakani	607
96818	Navy Cantonment (P.O. Box)	54,856	96751	Kealia	209
96819	Kapalama	47,299	96752	Kekaha	2,930
96821	Waialae Kahala	18,655	96754	Kilauea	2,075
96822	Makiki	43,921	96756	Koloa	5,312
96825	Hawaii Kai	27,657	96766	Lihue	12,011
96826	Makiki	31,187	96769	Makaweli	638
96862	(NA)	-	96796	Waimea	2,205
96863	(NA)	2,505	967XX 3/		48

NA Not available.

1/ Zip Code Tabulation Areas (ZCTAs) are a new statistical entity developed by the U.S. Census Bureau for tabulating summary statistics from Census 2000. ZCTAs are generalized area representations of U.S. Postal Service (USPS) ZIP Code service areas. They are not exact representations of the USPS's ZIP Code delivery areas. Some ZIP Codes represent very few addresses (sometimes only one) and therefore will not appear in the ZCTA listing.

2/ From Verizon Phone Book. There may be more than one name for a zip code area.

3/ May either be large undeveloped areas or remainders of areas that were fragmented.

Source: U.S. Census Bureau, Summary File 1 Hawaii (July 25, 2001); Verizon, *Verizon Phone Book* (August 2002).

Table 1.19-- RESIDENT AND DE FACTO POPULATION AND EMPLOYED PERSONS, FOR WAIKIKI: 1970 TO 2000

[For definitions of resident and de facto population, see table 1.04, footnotes 1 and 3. For earlier years, 1920-1970, see *Data Book 1987* and *1988*, table 14. Waikiki is bounded by the Ala Wai Canal, Kapahulu Avenue, and the Pacific Ocean]

Subject	1970	1980	1990	2000	Density 1/	
					1990	2000
Resident population	13,124	17,384	19,768	19,720	25,254.9	25,193.6
Temporarily absent 2/	176	174	327	(NA)	417.8	(NA)
De facto population	34,874	63,710	95,979	(NA)	122,619.6	(NA)
Visitors present 2/	21,926	46,500	76,538	(NA)	97,782.4	(NA)
Employed persons: 3/						
Living in Waikiki	7,866	9,593	11,065	(NA)	14,136.3	(NA)
Working in Waikiki	(NA)	30,011	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Per square mile. Based on land area of 0.78 square miles (2.03 square kilometers).

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; U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171) Summary File (March 19, 2001); and *Data Book 1987*, table 380.

**Table 1.20-- 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 1.21-- 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 1.22-- 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	39,036	1,172,501	(NA)	(NA)	(NA)

NA Not available.

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

**Table 1.23-- 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 1.23-- 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 1.24-- 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)*

<<http://www.hawaii.gov/dbedt/2025/index.html>>.

Table 1.25-- 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) <<http://www.hawaii.gov/dbedt/index.html>>.

Table 1.26-- 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 1.27-- 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 1.28-- DIFFERENCE IN POPULATION BY MAJOR RACES: 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 1.29-- 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 1.30-- RANKING OF RACES: 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
Samoan	16,166	Samoan	28,184
Vietnamese	7,867	American Indian and Alaska Native	24,882
Other Micronesian		Vietnamese	10,040
(exc. Guamanian or Chamorro)	6,492	Other Asian	10,020
Tongan	3,993	Other Micronesian	
American Indian and Alaska Native	3,535	(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	
Other Pacific Islander, not specified	872	(exc. Native Haw, Samoan, Tongan)	3,019
Other Polynesian		Laotian	2,437
(exc. Native Haw, Samoan, 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 1.31-- DIFFERENCE IN POPULATION BY DETAILED ASIAN RACE: 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 1.28 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 1.32-- DIFFERENCE IN POPULATION BY DETAILED NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER RACE: 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, e.g., 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 1.28 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 1.33-- ETHNIC STOCK BY COUNTIES: 2001

[Excludes persons in institutions, military barracks, Niihau, Kalawao, the homeless, and households without telephones. Weighted data based upon a sample survey of 16,938 persons]

Ethnic stock 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
All groups	1,175,595	845,211	145,873	57,671	126,840
Unmixed (except Hawaiian)	657,078	479,255	74,011	32,001	71,814
Caucasian	258,187	165,706	40,131	15,192	37,159
Black	13,040	12,127	499	176	239
Japanese	193,197	152,241	20,438	6,953	13,565
Chinese	36,113	33,555	1,220	297	1,042
Filipino	137,953	98,665	10,974	9,287	19,026
Korean	7,513	6,481	601	73	359
Samoan/Tongan	11,075	10,480	148	23	424
Mixed (except Hawaiian) 2/	250,985	185,741	29,926	11,781	23,537
Hawaiian/part Hawaiian	267,532	180,216	41,936	13,890	31,490

1/ Ethnicity is based on the ethnicity of the father and mother (four possible listings for each parent). Definitions used in this table differ from those in reports by the U.S. Census Bureau. In the 1980 and 1990 census tabulations, a person's ethnicity was determined by self-identification or by the race of the mother, thus mixed race was not a separate category. For the Census 2000, people were allowed to select more than one race.

2/ Includes other ethnicities not listed, don't know, refused or missing (3,438).

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

**Table 1.34-- HAWAIIANS LIVING IN HAWAII OR OTHER STATES:
1990 AND 2000**

Place of residence	1990 Census	2000 Census		Percent change between 1990 and 2000	
		Race alone 1/	Race alone or in combination 2/	Race alone	Race alone or in combination
Hawaiians in U.S.	211,014	140,652	401,162	-33.3	90.1
Living in Hawaii	138,742	80,137	239,655	-42.2	72.7
Living in other States	48,847	60,515	161,507	23.9	230.6
California	34,447	20,571	60,048	-40.3	74.3
Washington	5,423	4,883	13,507	-10.0	149.1
Nevada	1,534	3,471	8,264	126.3	438.7
Texas	2,979	3,475	7,775	16.6	161.0
Oregon	2,415	2,244	6,366	-7.1	163.6
Florida	2,049	2,131	5,285	4.0	157.9
Rest of U.S.	23,425	23,740	60,262	1.3	157.3

1/ People who chose only one race and it was "Native Hawaiian".

2/ People who chose only one race or those who have chosen two or more races, one of which is a "Native Hawaiian". Numbers for race groups may add to more than the total population because individuals may be of more than one race, i.e., a person indicating "Native Hawaiian and Samoan and Chinese" is included with the Native Hawaiian, Samoan and Chinese categories.

Source: U.S. Bureau of the Census, *1990 Census of Population, General Population Characteristics, U.S.*, 1990 CP-1-1 (Nov. 1992), table 253 and U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001).

Table 1.35-- ANCESTRY: 2000

Ancestry group	Persons	Ancestry group	Persons
Total responses 1/	1,373,593	Norwegian	9,632
Czech 2/	2,437	Polish	10,770
Danish	3,058	Portuguese	48,527
Dutch	7,221	Russian	4,930
English	51,653	Scotch-Irish	9,100
French (except Basque) 2/	17,818	Scottish	13,014
German	70,384	Swedish	8,985
Irish 2/	53,005	United States or American	17,045
Italian	22,094	Welsh	3,919
		Not reported	1,020,001

1/ There were 1,373,593 ancestries reported, single or multiple. Total population was 1,211,537 persons.

2/ Data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian, but excludes French Canadian and Acadian/Cajun. Irish includes Celtic.

Source: U.S. Census Bureau, Census 2000 Table DP-2 "Profile of Selected Social Characteristics: 2000" (May 2002) <<http://censtats.census.gov/data/HI/04015.pdf>> accessed June 20, 2002.

Table 1.36-- 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 1.37-- PLACE OF BIRTH AND CITIZENSHIP: 1980 TO 2000

Place of birth and citizenship	1980	1990	2000
Total population	964,691	1,108,229	1,211,537
Born in United States	806,742	914,024	968,947
Hawaii	557,990	621,992	689,056
Other state	248,752	292,032	279,891
Northeast	46,698	53,125	(NA)
Midwest	60,236	68,961	(NA)
South	58,189	67,570	(NA)
West	83,629	102,376	(NA)
Born outside United States	157,949	194,205	242,590
Puerto Rico	1,182	1,502	(NA)
U.S. outlying area	7,323	7,492	(NA)
Born abroad of American parent(s)	12,428	22,507	(NA)
Foreign born	137,016	162,704	212,229
Naturalized citizen	62,287	89,983	127,532
Not a citizen	74,729	72,721	84,697
18 years and over	689,108	828,004	915,770
Native	(NA)	678,227	(NA)
Foreign born	(NA)	149,777	(NA)
Naturalized citizen	(NA)	85,518	(NA)
Not a citizen	(NA)	64,259	(NA)
Born in Hawaii, living in U.S.	817,353	945,148	(NA)
Born and living in Hawaii	557,990	621,992	689,056
Living on Mainland	259,363	323,156	(NA)

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; data from STF3A, extracted by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center; and U.S. Census Bureau, Census 2000 Table DP-1 "Profile of General Demographic Characteristics: 2000" and Table DP-2 "Profile of Selected Social Characteristics: 2000" (May 2002) <<http://censtats.census.gov/data/HI/04015.pdf>> accessed June 20, 2002.

Table 1.38-- 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 1.39-- LANGUAGE SPOKEN AT HOME BY PERSONS FIVE YEARS OLD AND OVER, BY ABILITY TO SPEAK ENGLISH, BY COUNTIES: 2000

Language spoken at home	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Persons 5 years and over	1,134,351	819,914	139,793	54,822	119,822
Only English at home	832,226	583,116	114,032	44,111	90,967
Other than English at home	302,125	236,798	25,761	10,711	28,855
Percent	26.6	28.9	18.4	19.5	24.1
Speak English less than "very well"	143,505	113,550	10,840	4,787	14,328
Spanish	18,820	13,304	2,283	620	2,613
Speak English less than "very well"	4,960	3,201	649	170	940
Other Indo-European languages 2/	14,242	9,594	2,143	562	1,943
Speak English less than "very well"	3,165	2,328	379	86	372
Asian and Pacific Islander languages	267,157	212,306	21,237	9,486	24,128
Speak English less than "very well"	134,782	107,508	9,770	4,522	12,982

1/ Including Kalawao County (Kalaupapa Settlement). The population of Kalawao who were five years or older was 147.

2/ Category includes languages such as French, German, and Italian.

Source: U.S. Census Bureau, Census 2000 Table DP-2 "Profile of Selected Social Characteristics: 2000" (May 2002) <<http://censtats.census.gov/data/HI/04015.pdf>> accessed June 20, 2002.

Table 1.40-- 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	3.32

Source U.S. Census Bureau, Census 2000 "Table DP-1. Profile of Demographic Characteristics for Hawaii: 2000" geographic area series (May 19, 2001) and Census 2000 Summary File 1 Hawaii (July 25, 2001).

**Table 1.41-- 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*, 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) <<http://www.census.gov/population/estimates/housing/hsehld96.txt>>; U.S. Census Bureau, Census 2000 Summary File 1 Hawaii (July 25, 2001).

Table 1.42-- 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) <<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 1.43-- 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) <<http://www.census.gov/population/estimates/housing/sthuhh6.txt>>; U.S. Census Bureau, Summary File 1 Hawaii (July 25, 2001).

**Table 1.44-- 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 1.45-- 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 1.46 -- 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 1.47-- MARITAL STATUS, BY SEX: 1990 AND 2000

[Marital status data for 1990 were from the 100-percent data while the marital status data for 2000 were from the sample data]

Marital status	1990		2000	
	Male	Female	Male	Female
Total, 15 years and over	441,420	428,783	482,082	483,206
Never married	152,188	106,715	292,324	
Now married, except separated	241,961	237,260	512,891	
Separated	6,425	7,539	15,305	
Widowed	9,053	38,530	10,728	47,439
Divorced	31,793	38,739	38,956	48,232

Source: U.S. Bureau of the Census, 1990 Census of Population, *General Population Characteristics, Hawaii*, 1990 CP-1-13 (June 1992), table 39 and Census 2000 Table DP-2 "Profile of Selected Social Characteristics: 2000" (May 2002) <<http://censtats.census.gov/data/HI/04015.pdf>> accessed May 14, 2002.

**Table 1.48--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 1.49-- 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	4/ 7,000

NA Not available.

1/ Estimated.

2/ 1987 data.

3/ 1983 data.

4/ Revised

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; and *Statistical Abstract of the United States: 2001*, p. 56

**Table 1.50-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION, BY
MILITARY STATUS: 1990 TO 2000**

[For the period of April 1, 1990 to March 31, 2000]

Component	All groups	Armed forces	Civilian population			
			Military dependents	Not military dependents		
				Number	Annual average	Percent distrib.
Net change	103,308	-16,186	-17,402	136,896	13,690	100.0
Natural increase	113,111	-1,466	32,562	82,015	8,202	59.9
Live births	187,256	-	33,328	153,928	15,393	...
Deaths	74,145	1,466	766	71,913	7,191	...
Net mil. separations 1/	} -9,803	-14,720	-49,964	54,881	5,488	40.1
Net migration 2/						

1/ Separations less inductions for armed forces.

2/ Includes error of closure.

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, and special tabulations by the Hawaii State Department of Health.

Table 1.51-- 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 1.52-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION,
BY COUNTIES: 2000 TO 2001**

Component	State total	Honolulu	Hawaii	Kauai	Maui 1/
Resident population:					
April 1, 2000 (census)	1,211,537	876,156	148,677	58,463	128,241
July 1, 2001 (estimate)	1,224,398	881,295	152,083	59,223	131,797
Net change	12,861	5,139	3,406	760	3,556
Resident births	23,452	17,436	2,620	1,031	2,365
Resident deaths	10,357	7,346	1,397	594	1,020
Foreign migrants (net) 2/	6,493	5,029	510	181	773
Federal citizen movement 3/	-292	-289	-1	-2	-
Domestic migrants (net) 4/	-6,224	-9,546	1,698	169	1,455
Residual change 5/	-211	-145	-24	-25	-17

1/ Including Kalawao County.

2/ Net migration of legal immigrants to the United States, undocumented immigrants to the United States, and emigrants from the United States.

3/ Net movement of Armed Forces, Federally affiliated civilian citizens, and their dependents between the United States and overseas.

4/ Net of migration to a state from other states and from a state to other states. This includes the Armed Forces and their dependents.

5/ The bulk of the residual change component is internal (domestic) net migration, though we have no reliable way to quantify it. The residual change figure is also affected by any inaccuracies in input data or variations in implementing the estimating.

Source: U.S. Census Bureau, Population Division

<<http://eire.census.gov/popest/data/counties.php?PHPSESSID=8902fed4e9d188635fcc2f1b680219ab>>
accessed June 13, 2002.

Table 1.53-- INTENDED RESIDENTS ARRIVING IN HAWAII, DOMESTIC AND INTERNATIONAL: 1991 TO 2001

Year	Total	Domestic	International
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
2001	(NA)	31,938	(NA)

NA Not available.

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

**Table 1.54-- IMMIGRANTS ADMITTED, BY COUNTRY OF BIRTH:
1996 TO 2000**

[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	1996	1997	1998	1999	2000
All countries	8,436	6,867	5,465	4,299	6,056
Canada	125	70	49	58	106
Hong Kong	183	118	(NA)	(NA)	(NA)
Japan	480	540	(NA)	(NA)	(NA)
Korea	398	287	286	186	305
Mexico	69	83	75	70	62
People's Republic of China	555	479	482	368	551
Philippines	5,208	4,266	3,140	2,472	3,053
Taiwan	145	57	48	43	72
Vietnam	328	214	101	148	196
Other countries	1/ 945	1/ 753	1/ 1,284	954	1,711

NA Not available.

1/ Revised. The figure for Mexico was separated from the "Other countries" category.

Source: U.S. Immigration and Naturalization Service, Office of Policy and Planning, *Statistical Yearbook of the Immigration and Naturalization Service* (annual)
<<http://www.ins.usdoj.gov/graphics/aboutins/statistics/ybpage.htm>>.

Table 1.55-- PERSONS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE: 1994 TO 1999

[Years ended September 30]

Year	All countries	China and Taiwan	Korea	Philippines	United Kingdom	Vietnam	Other countries
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
1999	3,600	448	332	1,542	(NA)	304	4/ 974

NA Not available.

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.

4/ Mexico, 74; others, 900.

Source: U.S. Immigration and Naturalization Service, Office of Policy and Planning, *Statistical Yearbook of the Immigration and Naturalization Service* (annual)

<<http://www.ins.usdoj.gov/graphics/aboutins/statistics/ybpage.htm>>.

**Table 1.56-- RESIDENCE IN 1995 OF PERSONS 5 YEARS AND OVER,
BY COUNTIES: 2000**

Residence in 1995	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Persons 5 years and over	1,134,351	819,914	139,793	54,822	119,822
Lived in same house	643,806	461,892	80,654	34,402	66,858
Lived in different house in U.S.	443,794	319,403	55,629	19,392	49,370
Same State	318,634	223,692	43,706	14,858	36,378
Same county	294,618	213,643	37,019	12,604	31,352
Different county	24,016	10,049	6,687	2,254	5,026
Different State	125,160	95,711	11,923	4,534	12,992
Lived abroad	46,751	38,619	3,510	1,028	3,594
Percent from different state in U.S.	11.0	11.7	8.5	8.3	10.8
Percent from abroad	4.1	4.7	2.5	1.9	3.0

1/ Maui County includes Kalawao County.

Source: U.S. Census Bureau, Census 2000 Table DP-2 "Profile of Selected Social Characteristics: 2000" (May 2002) <<http://censtats.census.gov/data/HI/04015.pdf>> accessed May 14, 2002.

Table 1.57--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 1.58-- 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: 2001* contain data for the nation as a whole.

Table 2.01-- BIRTHS AND DEATHS: 1980 TO 2000

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	17.5	5.9	262.5	10.5	7.0
1992	19,837	6,846	17.1	5.9	264.5	11.1	6.5
1993	19,567	7,226	16.7	6.2	273.0	11.7	7.6
1994	19,438	7,206	16.4	6.1	283.8	12.0	6.8
1995	18,552	7,482	15.5	6.3	291.8	12.1	5.9
1996	18,378	7,803	15.3	6.5	302.3	9.6	5.8
1997	17,326	7,710	14.3	6.4	299.0	8.5	6.4
1998	17,567	7,969	14.5	6.6	319.4	8.1	6.8
1999	17,032	8,125	14.1	6.7	328.4	10.8	7.1
2000	17,514	8,163	14.4	6.7	322.7	9.5	7.8

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. 28, 2001. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

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: 1996 TO 2000

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
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
2000	17,638	-	17,638	2,779	14,859	2,779
Deaths:						
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
2000	8,511	199	8,312	63	8,249	262
Birth rates: 2/						
1996	14.2	0	14.7	56.6	12.8	30.3
1997	13.1	0	13.6	56.3	11.6	31.3
1998	13.2	0	13.7	49.7	11.9	28.5
1999	12.8	0	13.2	62.1	11.5	32.2
2000	13.2	0	13.6	62.2	11.9	32.5
Death rates: 2/						
1996	6.2	3.9	6.3	1.4	6.6	2.5
1997	6.0	3.4	6.1	1.4	6.3	2.3
1998	6.2	3.9	6.3	1.4	6.5	2.5
1999	6.3	4.7	6.4	1.4	6.6	3.0
2000	6.4	4.9	6.4	1.4	6.6	3.1

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 December 27, 2001 as well as the population estimates for 1991 through 1999 which were revised based upon the April 1, 2000 figures and released on April 19, 2002.

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: 1995 TO 2000

[Place of residence basis]

Calendar year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rate 1/			
1995	25,139	21.0	18,552	1,086	5,501
1996	24,234	20.1	18,378	985	4,871
1997	22,680	18.7	17,326	854	4,500
1998	22,794	18.8	17,567	1,084	4,143
1999	22,266	18.4	17,032	903	4,331
2000	22,240	18.3	17,514	825	3,901

1/ Per 1,000 resident population, July 1. Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 28, 2001. Population estimates for 1995 through 1999 released April 19, 2002 were revisions based upon the April 1, 2000 figures.

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: 1997 TO 2000

[Place of occurrence]

Event and year	Total	Resident	Nonresident	Not reported
Births:				
1997	17,415	17,326	87	2
1998	17,628	17,567	61	-
1999	17,102	17,032	70	-
2000	17,638	17,514	122	2
Deaths:				
1997	8,016	7,710	303	3
1998	8,297	7,969	321	7
1999	8,445	8,125	307	13
2000	8,511	8,163	340	8

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

Table 2.05-- CHARACTERISTICS OF RESIDENT BIRTHS: 1998 TO 2000

[Excludes births to Hawaii residents occurring out of state]

Subject	1998	1999	2000
Number of resident births	17,567	17,032	17,514
City and County of Honolulu	13,127	12,546	12,962
Percent on Oahu	74.7	73.7	74.0
Hawaii County	1,912	1,926	1,947
Kauai County	773	751	746
Maui County (incl. Kalawao)	1,755	1,809	1,859
Percent attended by M.D. or D.O. in hospital	94.9	95.3	96.0
Males per 100 females	104.8	107.5	108.7
Median weight of single births (grams)	3,310	3,315	3,315
Percent low birth weight (under 2,500 grams)	7.9	7.6	7.5
Percent single births under 40 weeks gestation	59.4	61.2	60.0
Percent plural	2.3	2.2	2.2
Percent with 1 or more congenital malformations	6.3	9.3	4.8
Percent to unmarried mothers	32.0	32.9	32.3
Percent with prenatal visit in first three months	81.0	82.4	83.4
Percent first child born to mother 1/	31.8	30.8	30.7
Percent first child born alive to mother	42.4	42.6	41.4
Median age of mothers (years)	27	27	28
Median age of known fathers (years)	30	30	30

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

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

**Table 2.06-- BIRTH AND FERTILITY RATES FOR THE UNITED STATES
AND HAWAII: 1999**

[Excludes births to nonresidents of the United States]

Type of rate	United States	Hawaii	Rank 1/
Births per 1,000 estimated population	14.5	14.4	2/ 19
Fertility rate 3/	65.9	68.7	12

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

2/ Tied with Arkansas and South Dakota.

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

Source: U.S. Census Bureau, *Statistical Abstract of the United States: 2001*, p. 61.

**Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE,
BY MILITARY STATUS OF PARENTS: 2000**

Military status of parents	Total births	Unmixed	Mixed 1/	Not reported 2/	Percent mixed 3/
Total	17,514	7,042	9,444	1,028	57.3
Military	2,756	1,921	790	45	29.1
Civilian	13,120	5,117	7,990	13	61.0
Status not reported	1,638	4	664	970	99.4

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 2.08-- MOST COMMON FIRST NAMES ON BIRTH CERTIFICATES,
BY SEX: 2000**

A total of 7,662 first names, including variant spellings, was reported for the 17,638 babies born in Hawaii in 2000]

Rank	Boys' names		Girls' names	
	Name	Number	Name	Number
1	Joshua	129	Kayla	65
2	Noah	115	Taylor	63
3	Jacob	101	Alyssa	61
4	Justin	90	Ashley	60
5	Matthew (tie)	86	Kiana	52
6	Michael (tie)	86	Alexis	46
7	Dylan	79	Nicole	44
8	Christian	77	Emily (tie)	41
9	Brandon	73	Jasmine (tie)	41
10	Isaiah	70	Rachel	40

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

**Table 2.09-- MOST COMMON SURNAMEN ON BIRTH AND DEATH
CERTIFICATES: 2000**

Rank	Birth certificates		Death certificates	
	Surname	Births	Surname	Deaths
1	Lee	83	Lee	55
2	Wong	66	Wong	43
3	Smith	63	Young	34
4	Johnson	52	Kim (tie)	28
5	Garcia	46	Tanaka (tie)	28
6	Ramos	44	Nakamura	26
7	Kim	42	Ching (tie)	25
8	Silva	38	Sato (tie)	25
9	Williams	37	Chang (tie)	24
10	Brown (tie)	36	Chun (tie)	24
	Young (tie)	36		

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

**Table 2.10-- 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 2.11-- EXPECTATION OF LIFE AT BIRTH, BY SEX, FOR THE UNITED STATES AND HAWAII: 1900 TO 1999

[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
1999	76.7	73.9	79.4	(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, 1999", *National Vital Statistics Reports*, Vol. 50, No. 6, March 21, 2002, table 12 <http://www.cdc.gov/nchs/data/nvsr/nvsr50/nvsr50_06.pdf> accessed June 20, 2002; Hawaii State Department of Health, Office of Health Status Monitoring, "Life Tables by Ethnic Group for 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 2.12-- 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 2.13-- 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 2.14-- CHARACTERISTICS OF RESIDENT DEATHS: 1998 TO 2000

[Excludes deaths to Hawaii residents occurring out of state]

Subject	1998	1999	2000
Number of resident deaths	7,969	8,125	8,163
City and County of Honolulu	5,609	5,800	5,737
Hawaii County	1,123	1,105	1,146
Kauai County	418	449	445
Maui County (incl. Kalawao)	819	771	835
Males per 100 females	129.7	133.4	127.7
Median age (years)	76	76	77
Centenarian deaths: Male	11	16	20
Female	51	57	52
Oldest (years): Male	105	112	106
Female	108	110	110
Percent married	45.0	46.2	44.8
Deaths under 1 year	116	118	133
Per 1,000 live births	6.6	6.9	7.6
Fetal deaths 1/	5,227	5,234	4,726
Per 1,000 deliveries	229	235	213
Fetal deaths, 20 or more weeks gestation 2/	142	184	167
Per 1,000 live births	8.1	10.8	9.5
Standard fetal deaths 3/	1,084	903	825
Elective abortions	4,143	4,331	3,901
Per 1,000 live births	235.8	254.3	222.7

1/ Includes elective abortions.

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

3/ Excludes elective abortions.

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

Table 2.15-- CAUSE OF DEATH, BY SEX: 2000

[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	8,163	4,579	3,584
Malignant Neoplasm:	1,896	1,063	833
of Stomach	115	72	43
of Colon, Rectum and Anus	196	109	87
of Pancreas	132	67	65
of Trachea, Bronchus and Lung	447	283	164
of the Female Breast	111	-	111
of Cervix Uteri, Corpus Uteri and Ovary	89	-	89
of Prostate	111	111	-
of Urinary Tract	77	49	28
Non-Hodgkin's Lymphoma	67	34	33
Leukemia	68	45	23
Other Malignant Neoplasms	483	293	190
Diabetes Mellitus	198	98	100
Alzheimer's Disease	124	48	76
Diseases of the Heart	2,603	1,497	1,106
Hypertensive Heart Disease	70	35	35
Ischemic Heart Disease	1,458	882	576
Other Forms of Heart Disease	1,075	580	495
Hypertension	51	27	24
Cerebrovascular Disease	698	349	349
Atherosclerosis	20	7	13
Other Circulatory System Diseases	87	48	39
Influenza/Pneumonia	106	52	54
Chronic Lower Respiratory Diseases	267	157	110
Chronic Liver Disease and Cirrhosis	83	47	36
Nephritis and Nephrosis	134	77	57
Perinatal Conditions	81	43	38
Congenital Anomalies	32	21	11
Symptoms and Ill-Defined Conditions	42	23	19
Other Diseases 1/	1,201	630	571
Motor Vehicle Accidents	131	99	32
All Other and Unspecified Accidents and adverse effects	187	130	57
Intentional Self-Harm (Suicide)	140	113	27
Assault (Homicide)	40	26	14
All Other External Causes	42	24	18

1/ Includes Tuberculosis, HIV Disease, Peptic Ulcer, Sudden Infant Death Syndrome, and Complications of Pregnancy, Childbirth and Puerperium

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

**Table 2.16-- GREATEST CATASTROPHIC MORTALITY OF RECORD,
BY TYPE OF DISASTER: 1778 TO 2002**

[Complete through July 12, 2002]

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; Hawaii State Department of Business, Economic Development & Tourism, compiled from various newspaper sources.

Table 2.17-- CATASTROPHIC MORTALITY: 1992 TO 2002

[Includes all accidents, natural disasters, and other events causing five or more deaths.
Complete through July 12, 2002]

Date	Place	Kind of disaster	Deaths
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, compiled from various newspaper sources.

**Table 2.18-- DEATHS OCCURRING IN HAWAII, BY METHOD OF DISPOSITION:
1970 TO 2000**

Method	1970	1980	1990	1998	1999	2000
All methods	4,197	5,204	7,055	8,297	8,445	8,511
Burial	2,197	2,343	2,798	2,855	2,785	2,767
Cremation	1,509	2,241	3,564	4,807	5,027	5,092
Removal	470	567	656	580	569	591
Entombment	13	44	35	16	17	19
Medical science	3	-	-	38	46	40
Other	-	1	-	-	-	-
Unknown	5	8	2	1	1	2

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

**Table 2.19-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTIES:
1997 TO 2001**

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
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
2001: June 30	2,674	2,029	302	112	231

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

Table 2.20-- SELECTED CHRONIC CONDITIONS: 1999 AND 2000

[Provisional data. Excludes persons in institutions, military barracks, Niihau, Kalawao, the homeless, and households without telephones. Weighted data based on a sample survey of 4,351 households with 12,677 persons in 1999, and based on a sample survey of 5,882 households with 17,183 persons in 2000]

Selected chronic conditions	Prevalence of condition		Conditions per 1,000 persons 1/	
	1999	2000	1999	2000
Diabetes	48,720	53,109	42	46
Hypertension	154,660	166,645	134	144
High blood cholesterol	152,812	153,890	133	133
Asthma	107,369	99,991	93	86
Arthritis	82,452	82,877	72	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 2.21-- SPECIFIED COMMUNICABLE DISEASES: 1996 TO 2000

[2000 data reported as of January 2002; earlier data not updated]

Disease	1996	1997	1998	1999	2000
Cases:					
AIDS	192	98	163	103	108
Campylobacteriosis	854	823	622	884	834
E. coli 0157:H7	8	11	19	15	14
Fish poisoning 1/	43	92	111	84	92
Giardiasis	229	162	123	117	105
Gonorrhea	501	507	469	463	446
Hansen's Disease 2/	15	26	19	22	15
Hepatitis A	120	148	54	24	22
Hepatitis B (Acute)	14	11	18	16	15
Influenza	129	3/ 1,051	4/ 1,290	5/ 985	6/ 503
Leptospirosis 7/	42	60	46	52	23
Malaria	8/ 12	9/ 13	10/ 9	11/ 12	10/ 10
Measles (Rubeola)	12/ 51	13/ 6	14/ 1	10/ 3	15/ 6
Meningitis, bacterial 16/	8	7	5	10	8
Mumps	17/ 31	18/ 27	19/ 26	20/ 16	21/ 23
Pertussis (whooping cough)	22/ 35	23/ 19	24/ 26	25/ 51	26/ 41
Pneumococcal disease	98	52	81	61	160
Rubella	10/ 3	27/ 9	14/ 2	-	-
Salmonellosis	428	387	295	338	237
Shigellosis	87	65	51	35	38
Syphilis (Primary & Secondary)	4	1	1	3	2
Tuberculosis	200	167	181	184	136
Deaths: 28/					
AIDS	73	38	23	28	27
Hepatitis A	<5	-	-	<5	<5
Hepatitis B (Acute)	11	11	7	7	7
Influenza	<5	<5	10	6	<5
Pneumococcal disease	<5	-	<5	<5	<5
Salmonellosis	<5	-	-	<5	<5
Tuberculosis	5	10	<5	<5	<5
Meningitis, bacterial	-	-	<5	-	-
Shigellosis	-	-	<5	-	-

Footnotes and source on next page.

Table 2.21--SPECIFIED COMMUNICABLE DISEASES: 1996 TO 2000 -- 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/ Of the 503 reported cases, 146 cases were confirmed illnesses and 357 were influenza-like illnesses.
 - 7/ Includes previously unreported cases.
 - 8/ Of the 12 reported cases, 7 cases were imported and 5 cases were unknown.
 - 9/ Of the 13 reported cases, 1 case was indigenous, 9 cases were imported, and 3 cases were unknown.
 - 10/ Acquired outside Hawaii.
 - 11/ Of the 12 reported cases, 2 cases were indigenous, 9 cases were imported, and 1 case was unknown.
 - 12/ Of the 51 reported cases, 42 cases were indigenous and 9 cases were imported.
 - 13/ Of the 6 reported cases, 2 cases were indigenous and 4 cases were imported.
 - 14/ Acquired in Hawaii.
 - 15/ Of the 6 reported cases, 2 cases were indigenous and 4 cases were imported.
 - 16/ Category changed from "meningitis, all types" to "meningitis, bacterial". Viral meningitis is no longer reported.
 - 17/ Of the 31 reported cases, 12 cases were imported, and 19 cases were unknown.
 - 18/ Of the 27 reported cases, 22 cases were imported, and 5 cases were unknown.
 - 19/ Of the 26 reported cases, 6 cases were indigenous and 20 cases were imported.
 - 20/ Of the 16 reported cases, 2 cases were indigenous, 11 cases were imported, and 3 cases were unknown.
 - 21/ Of the 23 reported cases, 6 cases were indigenous, 16 cases were imported, and 1 case was unknown.
 - 22/ Of the 35 cases, 26 were lab confirmed and 9 were clinically diagnosed.
 - 23/ Of the 19 cases, 15 were lab confirmed and 4 were clinically diagnosed.
 - 24/ Of the 26 cases, 20 were lab confirmed and 6 were clinically diagnosed.
 - 25/ Of the 51 cases, 23 were lab confirmed and 28 were clinically diagnosed.
 - 26/ Of the 41 cases, 12 were lab confirmed and 29 were clinically diagnosed.
 - 27/ Of the 9 reported cases, 2 cases were indigenous and 7 cases were imported.
 - 28/ Resident data. For the years shown, no deaths were reported from campylobacteriosis, fish poisoning, giardiasis, gonorrhea, Hanson's disease, 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 2.22-- 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 at <<http://starbulletin.com/2001/01/29/news/story3.html>>.

Table 2.23-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER: 1997 TO 2000

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

Risk factor 1/	1997	1998	1999	2000
Seatbelt non-use	12.8	(NA)	(NA)	(NA)
Acute drinking 2/	17.1	(NA)	14.0	(NA)
Chronic drinking 3/	5.0	(NA)	5.2	(NA)
Drinking and driving	2.4	(NA)	2.3	(NA)
High cholesterol	31.5	(NA)	27.6	(NA)
Hypertension	23.9	(NA)	22.7	(NA)
Lack of exercise 4/	(NA)	5/ 18.0	5/ 25.5	23.2
Poor nutrition 6/	(NA)	72.5	(NA)	(NA)
Diabetes	5.0	5.6	5.2	5.2
Current smokers 7/	18.7	19.5	18.5	19.7
Overweight 8/	(NA)	5/ 48.3	(NA)	50.2
Obese 9/	(NA)	16.4	15.7	15.7

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/ Physically inactive. No leisure-time physical activity reported during the past month. Category was changed from the one used to measure exercise in previous *Data Book* tables.

5/ Revised.

6/ Less than five fruits and vegetables a day.

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

8/ Overweight or obese. Body mass index (BMI) greater than or equal to 25. Criteria used in this table differs from the criteria used in previous *Data Book* tables.

9/ Body mass index (BMI) greater than or equal to 30.

Source: Hawaii State Department of Health, Office of Health Status Monitoring, Behavioral Risk Factor Surveillance System (BRFSS) <<http://www.state.hi.us/doh/stats/surveys/brfss.html>> accessed June 13, 2002.

Table 2.24-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES AND CARE HOMES, BY TYPE OF FACILITY: 1995 TO 2000

Category and year	Facilities				Care homes	
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
Number of facilities:						
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
2000	74	24	45	24	543	17
Number of licensed beds: 5/						
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
2000	7,759	2,561	4,115	1,088	2,514	413

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/ Number of beds licensed by the State Department of Health's Office of Health Care Assurance.

All facilities and care home beds are licensed by the 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 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); Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001); and Office of Health Care Assurance, records.

Table 2.25-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES: 1995 TO 2000

[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:				
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
2000	104,273	1,711	6.0	66.8
Long-term care:				
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
2000	6,251	3,700	216	89.9

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); Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001); state total calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.26-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES AND CARE HOMES, BY TYPE OF FACILITY, BY ISLANDS: DECEMBER 2000

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

Category and island	Facilities				Care homes	
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
NUMBER OF FACILITIES						
State total	74	24	45	24	543	17
Oahu	50	11	28	19	453	15
Hawaii	10	6	8	-	53	-
Kauai	5	3	5	-	20	2
Maui	6	2	2	4	12	-
Molokai	2	1	1	1	5	-
Lanai	1	1	1	-	-	-
NUMBER OF LICENSED BEDS 4/						
State total	7,759	2,561	4,115	1,088	2,514	413
Oahu	5,596	1,992	2,617	987	2,047	356
Hawaii	940	253	687	-	242	-
Kauai	425	110	315	-	133	57
Maui	745	198	460	87	59	-
Molokai	44	8	22	14	33	-
Lanai	14	-	14	-	-	-

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

2/ Five beds or fewer.

3/ More than five beds.

4/ For facilities 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). All facilities and care home beds are licensed by the Office of Health Care Assurance.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001) and the Office of Health Care Assurance, records.

Table 2.27-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLANDS: 2000

[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	104,273	1,711	6.0	66.8
Oahu	76,704	1,353	6.4	67.9
Hawaii	12,140	160	4.8	63.1
Kauai	5,506	51	3.4	46.7
Maui	9,770	145	5.4	73.4
Molokai	153	1	2.2	11.5
Lanai	-	-	(X)	(X)
LONG-TERM CARE				
State total	6,251	3,700	216	89.9
Oahu	4,119	2,358	209	90.1
Hawaii	985	633	234	92.1
Kauai	570	243	156	77.1
Maui	486	446	334	96.9
Molokai	57	14	88	62.4
Lanai	34	8	85	57.0

X Not applicable.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Inpatient Facilities and Home Health Services Utilization Report 2000 Data* (October 2001); state calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.28-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1991 TO 2001

[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:				
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	164	141	139	283
1999	144	123	146	272
2000	164	154	141	283
2001	148	148	162	299
State-supported outpatient community mental health centers:				
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	3,232	816	794	3,958
1999	3,168	1,281	951	4,009
2000	3,039	1,062	1,185	3,985
2001	3,064	1,150	1,144	3,976

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.

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

**Table 2.29-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY:
1997 TO 2001**

Year	Number of beds, June 30 1/	Admissions 2/		Patients in hospital 4/	
		Total	First 3/	Average 2/	June 30
1997	202	101	100	164	168
1998	202	113	106	164	163
1999	202	132	115	164	162
2000	168	137	117	151	149
2001	168	183	88	158	157

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 2.30-- ESTIMATED USE OF ILLICIT DRUGS, FOR THE UNITED STATES AND HAWAII: 1999

[Current users are those persons 12 years old and over who used drugs at least once within month prior to this study. Based on national sample of respondents. State estimates were produced by combining the prevalence rate based on the state sample data and the prevalence rate based on a national regression model applied to local-area county and census block group/tract-level estimates from the state. The parameters of the regression model are estimated from the entire national sample. For comparison purposes, the data shown here display estimates for all 50 states and the District of Columbia utilizing the modeled estimates for all 51 areas]

Geographic area	Any illicit drug 1/	Marijuana	Any illicit drug other than marijuana	Cigarettes	Binge alcohol 2/
Estimated current users (1,000)					
United States	15,193	11,476	6,645	57,296	44,486
Hawaii	69	59	22	217	201
Current users as percent of: population:					
United States	6.9	5.2	3.0	25.9	20.1
Hawaii	7.1	6.0	2.2	22.4	20.8

1/ Any illicit drug indicates use at least once of marijuana/hashish, cocaine (including crack), inhalants, hallucinogens (including PCP and LSD), heroin, or any prescription-type psychotherapeutic used nonmedically. Any illicit drug other than marijuana indicates use at least once of any of these listed drugs, regardless of marijuana/hashish use; marijuana/hashish users who also have used any of the other listed drugs are included.

2/ Binge use is defined as drinking five or more drinks on the same occasion on at least one day in the past 30 days. By "occasion" is meant at the same time or within a couple hours of each other.

Source: U.S. Substance Abuse and Mental Health Services Administration, *National Household Survey on Drug Abuse, 1999*, as cited in *Statistical Abstract of the United States: 2001*, table 190, p. 123.

Table 2.31-- HANSEN'S DISEASE PATIENTS REGISTERED: 1996 TO 2000

Subject	1996	1997	1998	1999	2000
Patients on register, Dec. 31	365	357	346	320	321
Department of Health's Hansen's Disease Community Program 1/	301	297	293	270	274
Kalaupapa	64	60	53	50	47
Hale Mohalu at Leahi	-	-	-	-	-
New cases	15	26	19	22	15
Deaths	11	6	13	6	3

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: AUGUST 15, 2001**

[Excludes inactive licenses]

Place of address	Physicians and surgeons 1/	Dentists	Registered nurses	Pharmacists
Total licensed	6,118	1,352	11,222	1,496
Hawaii addresses	3,206	1,015	9,254	857
Hawaii	291	97	1,012	82
Maui	238	69	852	69
Lanai	2	-	11	1
Molokai	5	3	30	2
Oahu	2,556	805	6,933	662
Kauai	114	41	416	41
Mainland U.S.	2,860	322	1,842	633
Foreign	52	15	126	6

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-- PERSONAL HEALTH CARE EXPENDITURES, 1990 TO 1998,
AND BY SELECTED OBJECT, 1998**

[In millions of dollars]

Year and object	Expenditures
1990	2,745
1995	4,168
1996	4,427
1997	4,452
1998	4,658
Hospital care	1,775
Physician and other professional services	1,594
Prescription drugs	311
Nursing home care	204
Other personal health care expenditures	774

Source: U.S. Centers for Medicare and Medicaid Services, as cited in *Statistical Abstract of the United States: 2001*, p. 95.

**Table 2.34-- 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 2.34-- 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 2.35-- 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), tables 1a, 3, and 4.

Table 2.36-- MARRIAGES AND DIVORCES: 1980 TO 2000

[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	9.3	4.7	43.1	45.9
1991	17,764	10,051	5,184	8.8	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	8.3	4.2	43.5	44.1
1994	18,118	9,317	4,993	7.8	4.2	48.6	44.5
1995	18,669	9,277	5,505	7.8	4.6	50.3	45.0
1996	19,589	9,003	4,903	7.5	4.1	54.0	45.6
1997	19,901	8,878	4,877	7.3	4.0	55.5	44.8
1998	20,974	8,746	4,914	7.2	4.0	58.3	46.3
1999	23,067	9,222	4,620	7.6	3.8	60.0	44.2
2000	25,376	9,217	4,716	7.6	3.9	63.7	43.4

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. 28, 2001. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

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.

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

**Table 2.37-- 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 2.38-- CHARACTERISTICS OF MARRIAGES AND DIVORCES:
1997 TO 2000**

[Place of occurrence basis]

Subject	1997	1998	1999	2000
MARRIAGES				
Number	19,901	20,974	23,067	25,376
Percent on Oahu	46.5	45.7	44.4	42.7
Percent Hawaii residents:				
Both bride and groom	41.3	38.2	36.7	33.3
One partner only	3.2	3.5	3.2	3.0
Neither bride nor groom	55.5	58.3	60.0	63.7
Not reported 1/	-	-	-	<0.1
Median age (years):				
Groom	32	33	33	33
Bride	30	30	30	30
Percent previously married:				
Groom	39.1	38.8	39.0	38.0
Bride	39.8	39.5	39.6	38.7
DIVORCES AND ANNULMENTS				
Number	4,877	4,919	4,620	4,716
Divorces	4,858	4,899	4,611	4,704
Annulments	17	17	5	12
Not reported	2	3	4	-
Percent occurring on Oahu	74.3	73.9	72.7	74.0
Percent Hawaii residents:				
Both partners	75.7	74.3	74.7	75.5
One partner only	23.4	24.4	23.6	22.8
Neither partner	0.1	<0.1	<0.1	<0.1
Not reported 1/	0.8	1.3	1.7	1.7
Median age (years):				
Husband	37	37	38	38
Wife	34	35	36	36
Percent interracial 2/	43.2	42.4	43.7	45.1
Percent with children under 18 years	50.1	49.5	51.8	51.1
Median years married	6.7	6.8	7.2	7.4

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

2/ 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 2.39-- MARRIAGES OCCURRING IN HAWAII, RESIDENT AND NONRESIDENT, BY RACE MIXTURE AND TYPE OF CEREMONY: 2000

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents	Residence unknown
All marriages	25,376	9,217	16,156	3
Race of partners:				
Both partners same race 1/	19,125	5,136	13,987	2
Different	6,251	4,081	2,169	1
Percent different	24.6	44.3	13.4	33.3
Type of ceremony:				
Civil ceremony	2,975	2,403	572	-
Religious ceremony	22,401	6,814	15,584	3
Unknown	-	-	-	-

1/ Includes marriages with both partners of unknown race.

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

Table 2.40-- MARITAL DISSOLUTION: 1980 TO 2000

[Based on resident population]

Subject	1980	1990	2000	Percent		
				1980	1990	2000
Married couples	185,698	210,468	216,077	100.0	100.0	100.0
Marriages ended	6,782	8,292	8,365	3.7	3.9	3.9
By divorce 1/	4,438	5,172	4,707	2.4	2.5	2.2
By death	2,344	3,120	3,658	1.3	1.5	1.7
Husbands	1,678	2,234	2,574	0.9	1.1	1.2
Wives	666	886	1,084	0.4	0.4	0.5

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

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: 2001* 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 2000**

Years completed	1940	1950	1960	1970	1980	1990	2000
Percent 4 years of high school or more 1/	20.5	31.6	46.1	61.9	73.8	80.1	84.6
Percent 4 years of college or more 2/	5.3	6.1	9.0	14.0	20.3	22.9	26.2

1/ For 1990 and 2000, percent high school graduate or higher.

2/ For 1990 and 2000, 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; *Profile of Selected Social Characteristics: 2000*, table DP-2.

Table 3.04-- EDUCATIONAL ATTAINMENT OF PERSONS 25 YEARS OLD AND OVER, BY COUNTIES: 2000

Subject	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 25 years and over	802,477	97,708	579,998	147	38,872	85,752
Percent --						
High school graduate or higher	84.6	84.6	84.8	39.5	83.3	83.4
With bachelor's degree or higher	26.2	22.1	27.9	10.2	19.4	22.4

Source: U.S. Bureau of the Census, *Profile of Selected Social Characteristics: 2000*, table DP-2.

Table 3.05-- 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 3.06-- 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 3.07-- PRIVATE EDUCATIONAL SERVICES (NAICS 61),
BY TYPE OF SERVICE: 2000**

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	432	82	13,182	322,570
6114	Business schools, & computer & management training	37	1	153	3,942
6115	Technical & trade schools	29	1	197	5,226
6116	Other schools & instruction	207	11	1,137	16,525
6117	Educational support services	16	1	162	7,535

Source: U.S. Bureau of the Census, *County Business Patterns 2000, Hawaii*, CBP/00-13 (May 2002), p. 21.

**Table 3.08-- EXPENDITURES AND PER PUPIL EXPENDITURES
BY EDUCATION LEVEL & FUNCTION 1999-2000**

[In dollars]

Education Level	Instruction	Instructional Support	Leadership	Operations	Other Commitments
Total Expenditure	534,723,208	164,337,587	71,958,789	130,229,151	39,440,671
Total Per Pupil	2,890	888	389	704	213
Elementary Schools					
Total expenditure	284,905,235	76,823,626	36,185,624	66,335,910	17,855,484
Total per pupil	2,970	801	377	692	186
Middle Schools					
Total expenditure	79,541,531	20,739,168	11,919,451	19,899,571	6,216,647
Total per pupil	2,882	751	432	721	225
High Schools					
Total expenditure	123,045,473	44,936,809	16,684,327	30,484,642	11,366,133
Total per pupil	2,699	986	366	669	249
Combined Schools					
Total expenditure	47,230,969	21,837,984	7,169,386	13,509,029	4,002,407
Total per pupil	2,966	1,371	450	848	251

Source: Hawaii State Department of Education website <<http://165.248.10.76/insight00/insight00a.htm>> accessed July 18, 2002.

**Table 3.09-- EXPENDITURES AND PER PUPIL EXPENDITURES
BY EDUCATION LEVEL & FUNCTION 2000-2001**

[In dollars]

Education Level	Instruction	Instructional Support	Leadership	Operations	Other Commitments
Total Expenditure	519,670,902	201,074,571	72,389,014	151,845,266	271,975,947
Total Per Pupil	2,832	1,096	394	827	1,482
Elementary Schools					
Total expenditure	274,024,747	98,626,990	36,275,390	76,977,429	136,510,902
Total per pupil	2,908	1,047	385	817	1,449
Middle Schools					
Total expenditure	76,505,119	27,057,024	12,271,251	24,331,804	43,325,720
Total per pupil	2,628	929	421	836	1,488
High Schools					
Total expenditure	121,252,591	51,112,709	16,645,748	35,451,840	68,828,406
Total per pupil	2,690	1,134	369	786	1,527
Combined Schools					
Total expenditure	47,888,445	24,277,848	7,196,625	15,084,192	23,310,919
Total per pupil	3,174	1,609	477	1,000	1,545

Source: Hawaii State Department of Education website <<http://165.248.10.76/hsers01/hsers01a.htm>> accessed July 18, 2002.

**Table 3.10-- PUBLIC SCHOOL ENROLLMENT BY GRADES, BY COUNTIES:
SEPTEMBER 2001**

Grade	State total 1/ 2/	Hawaii 3/	Maui 3/	Honolulu 1/ 3/	Kauai 3/
All grades	184,546	25,580	21,658	123,658	10,485
Nursery	917	110	62	692	42
Kindergarten	13,177	1,605	1,524	9,085	666
1	13,587	1,677	1,544	9,396	681
2	13,771	1,664	1,494	9,644	726
3	13,536	1,686	1,536	9,317	755
4	13,385	1,744	1,500	9,187	681
5	13,464	1,807	1,495	9,099	812
6	13,262	1,760	1,520	9,050	734
7	12,041	1,687	1,417	8,091	686
8	11,640	1,693	1,344	7,715	716
9	13,616	1,935	1,620	9,009	819
10	11,572	1,819	1,367	7,508	697
11	10,801	1,747	1,316	6,954	630
12	9,457	1,538	1,174	6,012	611
Specials 4/	20,320	3,108	2,745	12,899	1,229

1/ Data exclude UH Lab School.

2/ Data includes Special Schools and Charter Schools.

3/ Data exclude charter schools.

4/ Data includes ungraded students in special schools.

Source: Hawaii State Department of Education, records and <[http://lilinode.k12.hi.us/STATE/COMM/DOEPRESS.NSF/a1d7af052e94dd120a2561f7000a037c/72c0b0c041d9a8650a256ae3000ee9db/\\$FILE/\\$FILE/01-02+Enroll-State.pdf](http://lilinode.k12.hi.us/STATE/COMM/DOEPRESS.NSF/a1d7af052e94dd120a2561f7000a037c/72c0b0c041d9a8650a256ae3000ee9db/$FILE/$FILE/01-02+Enroll-State.pdf)> accessed May 15, 2002.

**Table 3.11-- FEDERALLY-CONNECTED PUPILS IN PUBLIC
SCHOOLS: FALL, 1996 TO 2000**

Category	1996	1997	1998	1999	2000
All federally-connected pupils	32,122	30,905	31,438	30,337	30,251
Percent of total enrollment	17.0	16.3	16.7	16.3	16.5
Category A 1/	14,741	14,343	13,628	12,969	12,689
Category B 2/	17,381	16,562	17,810	17,368	17,562

1/ Includes dependents whose parents live and work on federal property.

2/ Includes dependents whose parents live on or work on federal property.

Source: Hawaii State Department of Education, records.

Table 3.12-- HAWAII STATE HIGH SCHOOL GRADUATES BY PUBLIC AND PRIVATE HIGH SCHOOL: 1982 TO 2001

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
2001	12,945	10,330	2,615

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

**Table 3.13-- PRIVATE SCHOOLS, TEACHERS, AND ENROLLMENT,
1993-1994 TO 1999-2000, AND PRIVATE HIGH SCHOOL
GRADUATES, 1991-1992 TO 1998-1999**

[Data limited to schools that offer first grade or above.]

School year	Number of schools	Enrollment	FTE teachers 1/	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
1999-00	130	32,193	2,475	1998-99	2,533

1/ FTE refers to Full-time equivalents, which may differ from headcount.

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), Private School Universe Survey, 1999-2000, NCES 2001-330 (July 2, 2001).

**Table 3.14-- SCHOLASTIC ASSESSMENT TEST SCORE AVERAGES:
2000 AND 2001**

[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	
	2000	2001	2000	2001
Mathematical	519	515	514	514
Verbal	488	486	505	506

Source: *Honolulu Star Bulletin*, August 28, 2001.

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 State of Hawaii *Data Book 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: This table is a reprint of previous year Data Book, test was not taken in spring 2001 due to a teachers strike. 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 1991 TO 2001

[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				
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	
2001	45,994	17,532	11,485	4,536	1,511	2,913	740	
		Community Colleges 3/						
Year	Total	Honolulu	Kapiolani	Leeward	Windward	Hawaii	Kauai	Maui
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
2001	24,809	4,653	7,081	5,562	1,554	2,075	1,185	2,699

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.

**Table 3.17-- DEGREES, DIPLOMAS, AND CERTIFICATES AWARDED BY
THE UNIVERSITY OF HAWAII: 1991 TO 2001**

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/
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
2001	-	2,311	921	144	142	85
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
1991	44	210	149	285	1,950	-
1992 7/	47	222	135	260	2,063	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	372	2,304	0
1998 7/	46	411	147	396	2,310	4
1999	31	419	189	371	2,244	11
2000	36	411	196	348	2,302	3
2001	33	419	221	325	2,209	1

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 (1991-1998) 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 May 2002.

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

**Table 3.18-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES,
AND FACULTY AND STAFF: 1999 TO 2001**

Subject	1999	2000	2001
Curricula offered at Manoa Campus,	285	288	291
Bachelor's degree programs	88	87	90
Master's degree programs	88	89	89
Doctoral programs	58	57	57
Other programs 1/	51	55	55
Tuition per semester (full-time undergraduate, regular session) (dollars): 2/			
Manoa Campus: Resident	1,512	1,512	1,560
Nonresident	4,752	4,752	4,800
Hilo (upper division): Resident	1,140	1,140	1,152
Nonresident	3,924	3,924	3,936
West Oahu: Resident	948	948	984
Nonresident	3,516	3,516	3,552
Community colleges: Resident 3/	516	516	516
Nonresident 3/	2,904	2,904	2,904
Finances, fiscal year ending June 30:			
Current fund revenues (\$1,000) 4/	653,675	666,253	788,998
Current fund expenditures (\$1,000) 4/	676,483	701,604	766,156
Faculty and staff, October 5/	7,850	8,131	8,353
Board of Regents appointees	6,183	6,397	6,616
Full-time	4,109	4,199	4,355
Part-time	2,074	2,198	2,261
Civil Service personnel	1,667	1,734	1,737
Full-time	1,622	1,682	1,689
Part-time	45	52	48

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

2/ Per-semester tuition data are reported by academic years (e.g. 1999 = AY 1999-2000). Data reported are tuition only and do not include required student fees.

3/ Effective AY 2001-2002, Community Colleges tuition is charged on a per-credit basis for all enrolled credits. The amount shown here is based on 12 enrolled credits, and shown for comparative purposes only. The per-credit tuition rate is \$43 per credit for residents and \$242 per credit for non-residents.

4/ Data for 1999 and 2000 has been revised from previous databook.

5/ 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: 1996 TO 2001

[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
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
2001, total	13,748	11,880	1,868	467	1,821	600
Brigham Young	2,278	2,278	-	30	493	-
Chaminade	2,561	1,976	585	181	292	202
Hawaii Pacific	8,909	7,626	1,283	256	1,036	398

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: 1996 TO 2001**

Subject	1996	1997	1998	1999	2000	2001
Library locations, June 30	49	49	49	50	50	50
Oahu	23	23	23	23	23	23
Other islands	26	26	26	27	27	27
Personnel, June 30 1/	512.05	512.05	512.05	512.05	512.05	527.05
Librarians	159.00	159.00	159.00	157.00	159.00	160.00
All others	353.05	353.05	353.05	355.05	353.05	367.05
Hours open 2/	53	53	53	53	53	53
Collections, June 30 (1,000)	3,662	3,197	3,201	3,317	3,305	3,299
Circulation, year ended June 30 (1,000)	7,407	7,602	7,781	7,345	6,926	6,748
Patron Visits (1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	6,143
Reference Questions (1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	1,223
Internet Users	(NA)	(NA)	(NA)	(NA)	(NA)	105,768
Library Programs Attendance	(NA) (NA)	(NA) (NA)	(NA) (NA)	(NA) (NA)	(NA) (NA)	9,582 235,570

NA Not available.

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: 2001**

District	Library locations, June 30	Personnel, June 30 1/	Circulation, year ended June 30	
Total system	50	527.05	6,748,048	
Oahu	23	307.50	4,494,301	
Other islands	27	132.05	2,253,747	
Hawaii Library District	13	57.55	1,030,416	
Kauai Library District	6	30.50	527,877	
Maui Library District 2/ Administration/Other 3/	8 ...	44.00 87.50	695,454 ...	
	Collections, June 30			
District	Books	Periodical subscriptions	Video tapes 4/	Sound recordings
Total system	3,055,508	5,881	57,965	185,468
Oahu	1,982,488	3,460	32,497	44,740
Other islands	1,048,904	2,309	25,343	28,809
Hawaii Library District	474,898	1,040	11,099	10,521
Kauai Library District	230,164	461	7,205	7,311
Maui Library District 2/ Library for the Blind and Physically Handicapped 5/	343,842 24,116	808 112	7,039 125	10,977 111,919

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/ The Hawaii State Public Library System Centralized Processing Center ceased operation in FY 1996.

4/ Includes Digital Video Discs.

5/ 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: 2000 AND 2001

Campus	Number of volumes, June 30		Circulation, year ended June 30	
	2000	2001	2000	2001
All campuses	4,029,364	4,107,297	670,890	517,375
University of Hawaii at Manoa 1/ 2/	3,122,781	3,180,383	515,447	361,717
UH Manoa Law Library	283,518	295,162	5,013	6,849
University of Hawaii-West Oahu	27,089	23,639	3,283	3,375
University of Hawaii at Hilo 3/	258,862	262,727	57,314	61,616
Community colleges, total 3/	337,114	345,386	89,833	83,818
Honolulu	54,902	55,567	6,715	5,384
Kapiolani	69,015	72,158	30,120	24,702
Leeward	65,771	67,266	14,182	14,257
Windward	46,330	46,722	11,568	10,905
Kauai	51,284	53,257	6,766	6,490
Maui 4/ 5/	49,812	50,416	20,482	22,080

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

2/ Manoa circulation lower due to partial year closure of Hamilton Library due to revovation.

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

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

5/ 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 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: 2001*, Section 5.

Table 4.01-- ACTUAL MAJOR (INDEX) OFFENSES KNOWN TO THE POLICE, BY COUNTIES: 1990 TO 2000

[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/				
1990	68,121	61.2	51,342	7,517	2,605	6,657
1991	68,115	59.9	51,294	7,278	2,385	7,158
1992	71,258	61.5	53,826	6,940	2,502	7,990
1993	73,934	63.0	56,681	6,918	2,355	7,980
1994	79,187	66.7	61,156	7,162	2,383	8,486
1995	85,824	71.7	67,439	7,107	2,657	8,621
1996	78,314	65.1	60,352	6,889	2,987	8,086
1997	71,872	59.3	53,712	7,352	2,855	7,953
1998	63,997	52.7	47,731	6,804	2,265	7,197
1999 2/	57,324	47.4	42,678	5,815	2,076	6,755
2000 2/	62,987	52.0	46,659	6,425	2,578	7,325

1/ Annual rate per 1,000 resident population based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 28, 2001. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

2/ Excludes arson.

Source: Department of the Attorney General, Crime Prevention and Justice Assistance Division, from police department annual reports and records; and rates were 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: 1991 TO 2000

[Conforms 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 counting of 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	1991	1992	1993	1994	1995
All Index Offenses	68,115	71,258	73,934	79,187	85,824
Murder	45	42	45	50	56
Forcible rape	375	440	394	359	336
Robbery	986	1,151	1,214	1,221	1,553
Aggravated assault	1,338	1,365	1,408	1,461	1,564
Burglary	14,011	13,006	13,310	14,029	13,832
Larceny - theft	47,195	50,544	51,912	55,260	59,907
Motor vehicle theft	3,814	4,351	5,283	6,383	8,199
Arson	351	359	368	424	377
Offense	1996	1997	1998	1999	2000
All Index Offenses	78,314	71,872	63,997	1/ 57,324	1/ 62,987
Murder	40	47	24	44	35
Forcible rape	326	371	352	354	346
Robbery	1,606	1,403	1,225	1,044	1,123
Aggravated assault	1,350	1,478	1,345	1,343	1,450
Burglary	12,781	12,741	11,169	9,421	10,665
Larceny - theft	54,701	48,984	43,914	40,458	43,254
Motor vehicle theft	7,157	6,468	5,594	4,660	6,114
Arson	353	380	374	1/ 352	1/ 389

1/ 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:
1990 TO 2000**

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/
1990	68,121	119,368	12,477	68,647	18.3	57.5
1991	68,115	116,747	14,250	74,609	20.9	63.9
1992	71,258	120,345	13,269	79,096	18.6	65.7
1993	73,934	115,495	11,272	74,478	15.2	64.5
1994	79,187	118,942	12,179	75,843	15.4	63.8
1995	85,824	121,629	11,659	80,461	13.6	66.2
1996	78,314	115,435	12,335	79,523	15.8	68.9
1997	71,872	117,354	12,693	3/ 85,606	17.7	3/ 72.9
1998	63,997	109,183	12,069	72,564	18.9	66.5
1999	4/ 57,324	107,135	4/ 9,947	70,826	4/ 17.4	66.1
2000	4/ 62,987	113,061	4/ 8,998	72,041	4/ 14.3	63.7

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 include "hit and run" cases in Honolulu for 1991. All traffic cases excluded for 1989-1990 and from 1992 onward.

3/ 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.

4/ 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: 2000**

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	62,987	113,061	8,998	72,041	14.3	63.7
Honolulu	46,659	68,109	5,916	44,967	12.7	66.0
Hawaii	6,425	17,527	1,707	13,745	26.6	78.4
Kauai	2,578	4,331	487	1,679	18.9	38.8
Maui	7,325	23,094	888	11,650	12.1	50.4

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: 2000**

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/	62,987	46,659	8,998	5,916	14.3	12.7
Murder	35	20	34	22	97.1	110.0
Rape	346	240	228	144	65.9	60.0
Robbery	1,123	984	349	281	31.1	28.6
Aggravated assault	1,450	1,058	765	483	52.8	45.7
Burglary	10,665	6,946	983	460	9.2	6.6
Larceny-theft	43,254	32,197	5,935	4,106	13.7	12.8
Motor vehicle theft	6,114	5,214	704	420	11.5	8.1
Arson	389	308	42	33	10.8	10.7

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: 2000**

Subject	State total	Honolulu	Hawaii	Maui	Kauai
INDEX OFFENSES 1/					
Total	9,047	6,345	1,120	1,019	563
Juveniles	2,769	1,807	446	282	234
Male	1,954	1,256	326	188	184
Female	815	551	120	94	50
Adults	6,278	4,538	674	737	329
Male	4,614	3,325	495	537	257
Female	1,664	1,213	179	200	72
PART II OFFENSES (EXCLUDE TRAFFIC)					
Total	55,638	37,781	8,757	6,265	2,835
Juveniles	10,127	7,141	1,534	665	787
Male	5,891	4,035	988	412	456
Female	4,236	3,106	546	253	331
Adults	45,511	30,640	7,223	5,600	2,048
Male	36,391	24,761	5,660	4,429	1,541
Female	9,120	5,879	1,563	1,171	507

1/ Total Index Offense arrests include 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: 1990 TO 2000

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
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
2000	10,668.4	7,972.4	74.7	48,654.7	1,654.6	3.4

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: 2000**

Subject	State total	Honolulu	Hawaii	Maui	Kauai
Value of property stolen (1,000)	59,323.1	44,132.4	4,923.2	8,319.5	1,948.1
Motor vehicles	10,668.4	6,248.5	621.2	3,408.5	390.2
Other property	48,654.7	37,883.9	4,302.0	4,911.0	1,557.8
Value of stolen property recovered 1/ (\$1,000)	9,627.0	5,297.3	641.7	3,300.6	387.4
Motor vehicles	7,972.4	4,258.8	498.8	2,873.8	341.1
Other property	1,654.6	1,038.5	143.0	426.9	46.3
Percent of value recovered	16.2	12.0	13.0	39.7	19.9
Motor vehicles	74.7	68.2	80.3	84.3	87.4
Other property	3.4	2.7	3.4	8.7	2.9

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 4.11-- CRIME RATES FOR THE UNITED STATES AND HAWAII:
1999 AND 2000**

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

Type of offense	U.S. rate		Hawaii rate		Hawaii rank 1/	
	1999 2/	2000	1999	2000	1999	2000
All Index Offenses 3/	4,266.5	4,124.0	4,835.4	5,198.9	13	6
Violent crime	523.0	506.1	234.9	243.8	43	43
Property crime	3,743.6	3,617.9	4,600.5	4,955.1	10	2

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 2001**

Year and status	State total	Honolulu	Hawaii	Kauai	Maui
Total	4,290	3,073	584	178	455
Sworn, active	2,912	2,034	400	136	342
Sworn, reserve	119	100	19	-	-
Training pool	403	375	23	5	-
Not sworn	856	564	142	37	113

Source: County police departments, records.

**Table 4.13-- COURTS, JUDGES, MAGISTRATES, AND ATTORNEYS:
1999 TO 2001**

[As of June 30]

Subject	1999	2000	2001
Federal judges and magistrates: 1/			
U.S. Bankruptcy Court	1	1	1
U.S. District Court	7	6	6
State justices and judges: 1/			
Supreme Court	5	5	5
Intermediate Court of Appeals	4	4	4
Circuit Courts 2/	29	29	31
Assigned to Family Court	2	2	3
District Courts 3/	35	36	37
Assigned to Family Court	13	14	15
Land Court	(4/)	(4/)	(4/)
Tax Appeal Court	(4/)	(4/)	(4/)
Attorneys licensed in Hawaii 5/	6,116	6,750	6,366
Active	4,159	4,254	4,159
Inactive	1,957	2,496	2,207

1/ Authorized full-time positions.

2/ Includes 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 1999 data are as of October 22, the 2000 data are as of December 4, and the 2001 data are as of April 1, 2002.

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:
1999 TO 2001**

[Years ended September 30]

Subject	1999	2000	2001
Civil cases:			
Commenced (filings)	918	892	838
Terminated	1,147	999	873
Pending, end of period 1/	1,243	2/ 1,134	1,099
Criminal cases:			
Commenced (filings)	586	477	472
Terminated	1,080	432	443
Pending, end of period 3/	459	4/ 503	532
Bankruptcy:			
Commenced (filings), total	5,725	4,667	4,975
Business	98	58	75
Nonbusiness	5,627	4,609	4,900
Terminated	6,059	4,791	4,552
Pending, end of period	2/ 2,830	2/ 2,479	2,902

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

2/ Revised.

3/ 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.

4/ 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* (annual)

<<http://www.uscourts.gov/judbususc/judbus.html>> accessed June 19, 2002.

**Table 4.15-- UNITED STATES BANKRUPTCY COURT CASES FILED
UNDER CHAPTER 7 AND CHAPTER 13 OF THE
BANKRUPTCY CODE: 1991 TO 2001**

[Based upon original chapter designation at the time the case is originally filed.
Table includes cases filed in 2001 which were on the caseload as of 2/22/02]

Year	Chapter 7 1/			Chapter 13 2/		
	Total	Business	Personal	Total	Business	Personal
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
2001	4,497	39	4,458	506	2	504

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:
1999 TO 2001**

[Years ended June 30]

Court and type of action	1999	2000	2001
Supreme Court 1/	3,876	3,554	3,295
Primary cases	730	646	606
Appeals	623	579	542
Original proceedings	107	67	64
Supplemental proceedings	3,146	2,908	2,689
Intermediate Court of Appeals 2/	414	406	339
Primary cases	229	239	224
Appeals	229	239	224
Supplemental proceedings	185	167	115
Circuit Courts Proper	14,820	13,480	13,070
Primary proceedings	14,820	13,480	13,070
Civil actions	6,992	6,032	5,497
Probate proceedings	1,368	1,312	1,132
Guardianship proceedings	478	359	372
Miscellaneous proceedings	1,486	1,351	1,363
Criminal actions	4,496	4,426	4,706
Part I offenses	1,716	1,709	1,820
Part II offenses	2,780	2,717	2,886
Family Courts	48,689	51,414	3/ 34,181
Primary proceedings and referrals	30,937	32,671	34,181
Marital actions and proceedings	5,513	5,488	5,651
Uniform reciprocal enforcement of support	322	543	415
Adoption proceedings	789	757	786
Parental proceedings	2,061	2,389	2,304
Domestic Abuse Protective Orders (Ch. 586)	3,055	3,570	4,027
Miscellaneous proceedings	1,799	2,179	2,540
Criminal actions	4,297	3,946	4,334
Children's referrals	13,101	13,799	14,124
Supplemental proceedings	17,752	18,743	(3/)

Footnote and source on next page.

**Table 4.16-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION:
1999 TO 2001 -- Con.**

Court and type of action	1999	2000	2001
District Court	563,976	514,552	485,889
Civil	24,032	23,008	21,990
Regular civil	18,272	17,776	16,289
Small claims	5,760	5,232	5,701
Traffic	479,747	434,565	406,609
Moving - arrest and citation	149,170	133,775	126,857
Non-moving	115,783	99,075	106,399
Parking	214,794	201,715	173,353
Other violations	4,749	2,769	2,803
Criminal actions	55,448	54,210	54,487
Part I offenses	7,170	5,188	5,602
Part II offenses	48,278	49,022	48,885

1/ Data exclude cases transferred to the Intermediate Court of Appeals: 225 in 1999, 239 in 2000, and 223 in 2001.

2/ Data exclude cases transferred back to the Supreme Court: 3 in 1999 and 1 in 2001.

3/ Supplemental proceedings are no longer being reported.

Source: The Judiciary, State of Hawaii, records.

**Table 4.17-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
1999 TO 2001**

[Years ended June 30]

Court and type of action	1999	2000	2001
Supreme Court 1/	3,922	3,447	3,145
Primary cases	763	540	465
Appeals	658	469	404
Original proceedings	105	71	61
Supplemental proceedings	3,159	2,907	2,680
Intermediate Court of Appeals 2/	420	359	305
Primary cases	200	198	197
Appeals	200	198	197
Supplemental proceedings	220	161	108
Circuit Courts Proper	14,393	15,646	11,310
Primary proceedings	14,393	15,646	11,310
Civil actions	7,173	8,672	5,645
Probate proceedings	1,175	1,137	723
Guardianship proceedings	210	216	175
Miscellaneous proceedings	1,447	1,314	834
Criminal actions	4,388	4,307	3,933
Part I offenses	1,783	1,677	1,517
Part II offenses	2,605	2,630	2,416
Family Courts	49,157	49,155	3/ 33,492
Primary proceedings and referrals	31,957	30,875	33,492
Marital actions and proceedings	5,415	4,587	5,935
Uniform reciprocal enforcement of support	1,190	566	763
Adoption proceedings	739	626	766
Parental proceedings	2,373	2,744	2,122
Domestic Abuse Protective Orders (Ch. 586)	2,936	3,478	4,289
Miscellaneous proceedings	1,425	2,441	2,310
Criminal actions	4,873	3,371	3,439
Children's referrals	13,006	13,062	13,868
Supplemental proceedings	17,200	18,280	(3/)

Footnote and source on next page.

**Table 4.17-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION:
1999 TO 2001 -- Con.**

Court and type of action	1999	2000	2001
District Court	508,203	464,080	503,296
Civil	22,126	21,881	23,658
Regular civil	16,494	16,606	18,449
Small claims	5,632	5,275	5,209
Traffic	434,669	391,827	424,700
Moving - arrest and citation	138,142	127,226	129,723
Non-moving	104,980	87,327	109,450
Parking	191,547	177,274	185,527
Other violations	4,217	2,143	2,230
Criminal actions	47,191	48,229	52,708
Part I offenses	6,908	5,190	5,463
Part II offenses	40,283	43,039	47,245

1/ Data exclude cases transferred to the Intermediate Court of Appeals: 225 in 1999, 239 in 2000, and 223 in 2001.

2/ Data exclude cases transferred back to the Supreme Court: 3 in 1999 and 1 in 2001.

3/ Supplemental proceedings are no longer being reported.

Source: The Judiciary, State of Hawaii, records.

**Table 4.18-- INMATES PRESENT IN STATE CORRECTIONAL FACILITIES:
ANNUAL AVERAGES, 1991 TO 2001**

[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
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
2001	9/ 3,855	9/ 1,687	318	974	801	58	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: 1991 TO 2001

[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	
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	2/ 106.0	38.9
1998	33.5	34.9	45.2	2/ 105.2	36.7
1999	33.7	31.9	47.6	2/ 105.5	34.4
2000	(NA)	(NA)	(NA)	(NA)	(NA)
2001	34.9	37.3	(NA)	(NA)	36.5

NA Not available.

1/ For sentenced felon population on June 30.

2/ 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: 2001*, 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'
Laau Point	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: Verizon Hawaii, White Pages, *Oahu, August 2002*, pp. 20-21.

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-Marō Reef	155.5	250.3	12,300	3,749
Marō 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]

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	6,422.6	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 Kaleihoohe	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	Palikea 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); 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 Kaula'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 2001

[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]

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	16.1
May 24	2.0	874	ER	940	50	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	162.0
1973: May 5	-	<1	ER	1,000-980	0.3	1.2
Nov. 10	-	30	ER	980-870	1	2.7
1974: July 19	-	3	C, ER	1,080-980	3.1	6.6
Sept. 19	2.0	<1	C	1,100	1	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	6,938	ER	780-650	3/ 103.7	3/ 2,018

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

2/ Still in progress. There have been 55 separate episodes, they destroyed 184 residences and added more than 550 acres to the area of the island since 1983.

3/ As of December 2000.

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; <http://hvo.wr.usgs.gov/kilauea/summary/Current_table.html> accessed July 8, 2002.

Table 5.18-- MAJOR EARTHQUAKES: 1838 TO 2001

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

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	Honolulu, 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>> accessed July 9, 2002.

**Table 5.19-- EARTHQUAKES WITH HONOLULU INTENSITIES OF
V OR GREATER: 1859 TO 2001**

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 2001**

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: 2001

Dam name	Nearest city	Purpose	Year completed	Height (ft.)	Length (ft.)	Maximum storage (acre-ft.)	Normal storage (acre-ft.)
Waita Reservoir	Koloa, Kauai	Irrigation	1906	23	3,250	9,900	3,400
Wahiawa Dam	Wahiawa, Oahu	Irrigation	1906	88	660	9,200	7,761
Kualapuu Reservoir	Kualapuu, Molokai	Irrigation, water supply	1969	54	7,100	5,082	3,685
Ho'omaluhia Dam	Kaneohe, Oahu	Flood control, recreation	1980	76	2,200	4,500	260
Nuuanu Dam No. 4	Honolulu, Oahu	Flood control, recreation	1910	66	1,730	3,600	242
Alexander	Kalaheo, Kauai	Irrigation, hydroelectric, water supply	1931	113	600	2,540	1,070
Koloko Reservoir	Waiakalua, Kauai	Irrigation	1890	44	1,800	1,400	1,255
Kitano Reservoir	Kekaha, Kauai	Irrigation	1928	26	720	1,120	110
Kapaia Reservoir	Hanamaulu, Kauai	Irrigation	1910	45	1,050	1,114	1,105

Source: Hawaii State Department of Land and Natural Resources, Engineering Branch, Flood Control and Dam Safety, 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: 1999 TO 2001

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

Geographic area	Number of services			Consumption (million gallons)		
	1999	2000	2001	1999	2000	2001
State total	1/ 235,799	1/ 238,665	2/ 242,092	1/ 76,631	76,401	2/ 78,748
City and County of Honolulu	154,576	155,935	157,429	51,614	51,020	52,608
Honolulu District 3/	61,261	61,406	61,630	25,156	24,077	24,769
Rest of Oahu	93,315	94,529	95,799	26,458	26,943	27,839
Hawaii County	1/ 34,470	1/ 35,303	35,962	1/ 8,097	8,353	8,676
Kauai County	17,420	17,677	18,287	4,373	4,309	4,631
Maui County	29,333	29,750	30,414	12,547	12,719	12,833
Maui	27,809	28,217	28,872	12,199	12,388	12,496
Molokai	1,524	1,533	1,542	348	331	337

1/ Revised.

2/ Corrected.

3/ Maunaloa to Moanalua.

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-- WATER WITHDRAWALS AND CONSUMPTIVE USE, FOR THE UNITED STATES AND HAWAII: 1995

[In millions of gallons per day, except as noted. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

Subject	U.S.	Hawaii
Water withdrawn:		
Total	401,500	1,930
Per capita (gal. per day, fresh)	1,280	853
Source:		
Ground water	77,500	531
Surface water	324,000	1,400
Selected major uses:		
Irrigation	134,000	652
Public supply	43,600	218
Industrial	26,200	20
Thermo-electric	190,000	970
Consumptive use, 1/ fresh water	100,000	542

1/ Water that has been evaporated, transpired, or incorporated into products, plant or animal tissue; and therefore, is not available for immediate reuse.

Source: U.S. Geological Survey, as cited in U.S. Census Bureau, *Statistical Abstract of the United States: 2001*, table 352.

Table 5.25-- HAZARDOUS WASTE SITES: 1995 TO 2000

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

Subject	1995	1996	1997	1998	1999	2000
Number of sites	4	4	4	4	4	1/ 3
Rank (among the 50 states)	45	45	45	45	45	45

1/ The United States total was 1,279 sites, including one site in the District of Columbia.

Source: U.S. Environmental Protection Agency, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 1996 (table 382), 1997 (table 388), 1998 (table 407), 1999 (table 414), 2000 (table 402), and 2001 (table 365) <<http://www.census.gov/prod/2002pubs/01statab/geo.pdf>> accessed March 11, 2002.

**Table 5.26-- WATER QUALITY AT PUBLIC BEACHES, BY ISLANDS:
2000 AND 2001**

Island	Number of locations	Number of samples	Enterococci density 1/			
			Lowest 2/	Highest 3/	Number over 7	Mean 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
2001						
State total	50	1,916	0.3	35.1	8	2.5
Hawaii	13	341	0.3	14.1	4	2.7
Hilo Shoreline	6	183	0.4	14.1	4	4.3
Kona Shoreline	7	158	0.3	1.7	-	1.5
Maui	10	391	1.0	4.3	-	2.3
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	14	682	0.9	4.0	1	2.3
Kauai	13	502	0.7	35.1	3	3.1

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 2000 was reported at multiple beaches on the islands of Hawaii and Maui. The lowest average value in 2001 was reported at Kawaihae LST Landing on the island of Hawaii.

3/ The highest average value in 2000 and in 2001 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 5.27-- WATER QUALITY AT SELECTED PUBLIC BEACHES:
2000 AND 2001**

Island and beach	Number of samples		Enterococci density 1/	
	2000	2001	2000	2001
Hawaii:				
Hapuna Beach	-	-	(X)	(X)
Kahaluu Beach	2	38	5.1	3.0
Kealakekua Bay (off curio stand)	-	-	(X)	(X)
Hilo Bay (Mooheau Park)	-	-	(X)	(X)
Spencer Beach Park	35	-	1.3	(X)
Maui:				
Kapalua (Fleming) Beach (north)	31	-	1.0	(X)
Kihei (north)	-	-	(X)	(X)
Makena Beach	-	-	(X)	(X)
Seven Pools	3	-	0.3	(X)
Sheraton Kaanapali (shoreline)	-	-	(X)	(X)
Lanai:				
Hulopoe Bay	-	-	(X)	(X)
Molokai:				
Kaunakakai Harbor	-	-	(X)	(X)
Oahu:				
Ala Moana Park (center)	40	-	2.1	(X)
Ewa Beach Park	11	43	3.5	1.1
Haleiwa Beach	49	49	2.2	1.3
Hanauma Bay	51	49	1.5	1.4
Kailua Beach Park	51	49	3.2	2.3
Kuhio Beach	48	51	4.9	4.0
Makaha Beach	-	-	(X)	(X)
Waimea Beach	-	-	(X)	(X)
Kauai:				
Anini Park Pavilion	13	46	14.3	2.3
Kalapaki Beach (middle)	50	46	6.1	7.5
Kekaha (Oomano Point)	-	-	(X)	(X)
Poipu Beach Pavilion	35	46	1.1	1.6
West of Lydgate Park (wading pool)	51	46	2.4	4.6

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 5.28-- REFUSE AND SEWAGE STATISTICS FOR OAHU:
1991 TO 2001**

[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	
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
2001	955,019	326,696	628,323	40,369

Year	Sewage pumped 2/ (millions of gallons)	Miles of sewers 2/	City and County pump stations	City and County treatment plants
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
2001	48,626	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 5.29-- AIR QUALITY IN DOWNTOWN HONOLULU: 1988 TO 2001

[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	2001	16	0.6

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 ppm and the Federal standard is 35 ppm.

Source: Hawaii State Department of Health, Environmental Management Division, Clean Air Branch, records.

Table 5.30-- AIR QUALITY AT SPECIFIED LOCATIONS: 2001

[24-hour average, in micrograms per cubic meter]

Sampling station	PM ₁₀ 1/			Sulfur dioxide 2/		
	Annual range		Annual arithmetic average	Annual range		Annual arithmetic average
	Minimum	Maximum		Minimum	Maximum	
Oahu:						
Downtown Honolulu	7	63	16	-	25	2
Liliha	7	116	16	...	...	...
Pearl City	5	3/ 167	15	...	...	...
Kapolei	8	121	19	-	7	2
Makaiwa	...	...	...	-	18	4
West Beach 4/	7	21	13	-	5	0.13
Waimanalo 4/	8	39	17	...	...	...
Kauai:						
Lihue 4/	8	31	17	...	...	...

1/ The State and Federal Ambient Air Standard for 24-hr PM₁₀ is 150 µg/m³.

2/ The State and Federal Ambient Air Standard for 24-hr SO is 365 µg/m³.

3/ Occurred on January 1, 2001 probably due to fireworks.

4/ Manual PM₁₀ samplers operated for 24 hours, once every 6 days in accordance with EPA guidelines.

Source: Hawaii State Department of Health, Environmental Management Division, Clean Air Branch, records.

**Table 5.31-- TOXICS RELEASE INVENTORY:
REPORTING YEARS 1999 AND 2000**

[On-site and off-site releases in thousands of pounds]

Industry sector and facility	Release 1/	
	1999	2000
Sector		
Electricity generators	2,116	713
Petroleum bulk terminals	58	59
Chemical wholesalers	.005	.005
Top four facilities		
Hawaiian Electric Company, Inc., Kahe Generating Station	852	319
Hawaiian Electric Company, Inc., Hill Generating Station	280	180
Chevron Hawaii	162	161
Hawaiian Electric Company, Inc., Waiiau Generating Station	337	107

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, *Toxics Release Inventory* (annual). Hawaii State Department of Health, Environmental Management Division, Clean Air Branch.

**Table 5.32-- ATMOSPHERIC CARBON DIOXIDE MEASUREMENTS AT
MAUNA LOA: ANNUAL MEAN VALUES, 1958 TO 2001**

[Parts per million]

Year	Annual average	Year	Annual average	Year	Annual average
1958	1/ 315.17	1973	329.45	1988	351.34
1959	315.83	1974	1/ 329.72	1989	352.89
1960	316.75	1975	3/ 331.14	1990	354.26
1961	317.49	1976	332.04	1991	355.45
1962	318.30	1977	333.79	1992	4/ 356.28
1963	318.83	1978	335.35	1993	4/ 356.95
1964	2/ 319.04	1979	336.73	1994	4/ 358.64
1965	319.87	1980	338.72	1995	360.62
1966	321.21	1981	340.12	1996	4/ 362.36
1967	322.02	1982	341.21	1997	4/ 363.47
1968	322.83	1983	342.87	1998	4/ 366.49
1969	323.93	1984	344.48	1999	4/ 368.13
1970	325.27	1985	345.85	2000	4/ 369.42
1971	326.17	1986	347.21	2001	5/ 371.11
1972	327.26	1987	348.98		

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: National Weather Service, Pacific Region, Honolulu (for 1958-1991); Mauna Loa Observatory (for 1992-1999); U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Oceanic and Atmospheric Research, Climate Monitoring and Diagnostics Laboratory, records.

Table 5.33-- 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	66.3	81.2	53	94	128.97
Hawaii Volcanoes Nat. Park Hdq.	3,971	52.6	69.0	34	89	108.83
Naalehu	800	65.8	79.3	50	93	48.44
Kailua	30	64.1	77.0	54	88	123.87
Puako 2/	5	68.3	83.8	52	92	10.12
Waimea (Kamuela)	2,670	66.7	84.3	34	94	49.76
Honokaa	1,080	67.6	75.5	(NA)	(NA)	79.42
Mauna Kea summit 3/	13,796	31.3	42.5	11	66	20.00
Maui:						
Hana Airport	75	67.3	80.8	50	94	81.41
Haleakala summit	10,025	38.9	54.6	14	73	41.01
Kihei 4/	85	70.9	78.4	49	98	13.27
Kahului Airport	40	67.4	83.7	48	97	19.24
Lahaina	45	66.4	84.9	52	97	15.05
Molokai:						
Kaunakakai	12	(NA)	(NA)	(NA)	(NA)	13.87
Molokai Airport	450	67.6	81.4	46	96	25.91
Lanai:						
Lanai City	1,620	62.4	75.4	47	89	36.04

Continued on next page.

Table 5.33-- TEMPERATURES AND PRECIPITATION FOR SELECTED PLACES -- Con.

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	
Oahu:						
Honolulu International Airport	7	70.1	84.0	52	95	20.92
Waikiki (Honolulu Zoo)	10	68.9	84.6	46	95	23.61
Manoa (Lyon Arboretum)	500	66.3	79.1	49	96	153.29
Kaneohe (State Hospital)	200	71.9	82.9	60	96	53.26
Kahuku	15.1	68.6	80.9	51	99	44.69
Wheeler AFB	820	68.2	75.5	52	89	40.00
Waianae	50	72.1	79.7	45	96	21.67
Kauai:						
Kilauea (town)	320	65.6	77.9	50	89	69.08
Lihue Airport	103	69.7	81.1	50	90	41.79
Poipu (Makahuena Pt.)	50	69.3	82.6	50	95	35.00
Kekaha	9	64.8	84.8	44	95	21.22
Kokee (Kanalohuluhulu)	3,600	51.0	67.5	29	90	67.31
Northwestern Hawaiian Islands:						
Midway	10	65.0	78.6	52	89	44.00

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; University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Meteorology, records.

Table 5.34-- ENVIRONMENTAL INDICATORS: 1996 TO 2000

Indicator	Unit	1996	1997	1998	1999	2000
Electric utility sales	Mil. kWh	9,378	9,346	9,261	9,380	9,690
Total energy used	Tril. BTu	315.9	316.1	302.9	308.0	325.2
Greenhouse gas emissions	Mil. tons 1/	20.3	20.5	20.6	20.6	20.7
Fossil fuel used	Tril. BTu	294.5	295.1	284.0	287.0	305.7
Municipal water consumption	Mil. gal	74,728	71,810	73,301	76,610	76,401
Wastewater treatment and reused	Percent	8.2	10.4	11.3	13.0	13.5
Solid waste produced	1,000 tons	2,122	2,132	2,004	1,884	1,794
Hazardous waste generated	Tons	(NA)	1,669	(NA)	1,456	(NA)
Rare plant species	Number	607	586	600	2/ 588	588
Beaches closed	Days	45	28	13	26	20
Oil and chemical spills	Number	467	500	530	526	466
Safe drinking water 3/	% of population	99.5	98.2	99.8	99.7	98.8
Environmental expenditures	\$ millions	61	45	60	69	69
Noise complaints	Number	457	461	427	372	536
Bikeways	Miles	118.1	132.0	104.9	179.7	181.1
Bus boardings (Oahu)	Millions	68.9	68.6	71.8	66.2	66.6

NA Not available.

1/ Carbon dioxide equivalent.

2/ Revised.

3/ Below maximum contaminant levels.

Source: The Environmental Council, State of Hawaii, *Environmental Report Card, 2001*, pp. 12-34.

Table 5.35-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS

[Normals are 30-year averages (1961-1990)]

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 cooling degree days 2/	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	27.36	7.01	17.07	11.54
Normal relative humidity (percent)	79	73	68	75
Wind speed (m.p.h.):				
Mean	7.4	3/ 14.4	11.4	12.8
Maximum 2-minute	31	3/ 41	35	3/ 39
Percent of possible sunshine	40	67	71	58
Number of days:				
Mean				
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
Thunderstorms	9.7	4.0	6.7	7.8
Normal				
Precipitation .01 inch or more	273.3	100.2	100.7	199.8
Temperature maximum 90° and above	1.0	23.5	31.4	0.1

T Trace amount.

1/ Dry bulb is the temperature of the ambient air.

2/ Difference between the average daily temperature and 65° F.

3/ Revised.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 2001*, "Normals, Means, and Extremes", for Hilo, Kahului, Honolulu, and Lihue, (annual).

Table 5.36-- MONTHLY AND ANNUAL CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT

[Normals are 30-year averages (1961-1990)]

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	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

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Table 5.36-- MONTHLY AND ANNUAL CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT -- Con.

[Normals are 30-year averages (1961-1990)]

Month	Relative humidity (percent)		Wind (miles/hour)		Percent of possible sunshine	Number of days		Normal Precipitation .01 inch or more
	8 A.M.	2 P.M.	Mean speed	Maximum 2-minute speed		Mean		
						Clear	Cloudy	
January	81	62	9.4	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	35	70	5.9	9.6	9.5
May	67	54	11.6	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	2/ 31	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/ 29	71	7.5	8.1	8.8
November	74	59	10.9	30	64	7.2	8.8	9.8
December	78	61	10.6	2/ 35	63	7.9	8.7	10.5
Annual	72	56	11.4	35	71	90.0	92.0	100.7

T Trace amount.

1/ Dry bulb 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, 2001*, "Normals, Means, and Extremes, Honolulu", (annual).

Table 5.37-- AVERAGE TEMPERATURE, PERCENT OF POSSIBLE SUNSHINE, AND PRECIPITATION, FOR HONOLULU INTERNATIONAL AIRPORT: ANNUALLY, 1950 TO 2001

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	1/ 68	26.90
1956	75.9	69	21.23	1981	77.1	1/ 68	13.41
1957	76.0	72	24.22	1982	76.9	1/ 67	34.92
1958	75.3	70	35.02	1983	77.2	1/ 67	5.03
1959	76.7	70	14.14	1984	78.1	1/ 67	17.08
				1985	76.9	1/ 67	17.38
1960	76.7	70	12.07	1986	78.3	1/ 68	13.93
1961	77.2	81	14.26	1987	77.9	1/ 68	23.53
1962	76.5	71	13.58	1988	78.5	1/ 68	16.47
1963	76.7	64	37.91	1989	77.5	1/ 68	27.52
1964	77.0	63	20.12				
1965 2/	76.1	74	42.78	1990	77.6	1/ 69	19.84
1966 2/	77.6	68	23.18	1991	77.7	1/ 69	17.94
1967 2/	77.6	58	34.34	1992	77.8	1/ 69	19.00
1968 2/	77.9	63	37.26	1993	77.1	1/ 69	5.84
1969 2/	77.4	68	22.50	1994	78.8	1/ 70	15.59
				1995	79.3	1/ 70	13.60
1970 2/	78.2	72	15.49	1996	78.6	1/ 70	33.12
1971 2/	76.1	70	26.64	1997	77.8	1/ 71	19.99
1972	76.2	65	26.94	1998	77.1	1/ 71	4.52
1973	77.2	63	14.24	1999	76.9	1/ 71	11.99
1974	77.5	61	24.02	2000	77.6	1/ 71	7.10
1975	76.2	62	24.39	2001	78.2	71	9.14

1/ Revised. Data from source cited below "Normals, Means, and Extremes, Honolulu", (annual).

2/ 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, 2001, Honolulu*, "Average Temperature (°F) 2001, Honolulu", "Normals, Means, and Extremes, Honolulu", "Precipitation (inches) 2001, Honolulu", (annual).

Table 5.38-- AVERAGE DAILY TEMPERATURE AND DAYS WITH MAXIMUM OF 90° OR HIGHER; FOR HONOLULU INTERNATIONAL AIRPORT: 1971 TO 2001

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	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
			2001	84.5	19

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2001*, "Meteorological Data for 2001, Honolulu ", (annual).

**Table 5.39-- CLIMATIC DATA FOR HONOLULU INTERNATIONAL AIRPORT:
ANNUALLY, 1990 TO 2001**

Year	Average temperature (°F) 1/			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
2001	78.2	74.1	82.2	59	92	9.14

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	2/ 69	109
1991	69	53	10.0	39	2/ 69	86
1992	71	55	9.5	49	2/ 69	98
1993	70	53	10.9	46	2/ 69	76
1994	72	55	11.9	51	2/ 70	80
1995	74	57	10.7	41	2/ 70	81
1996	73	56	9.6	40	2/ 70	106
1997	80	57	10.0	41	2/ 71	105
1998	72	56	11.0	(NA)	2/ 71	74
1999	73	57	11.0	(NA)	2/ 71	94
2000	75	60	10.9	(NA)	2/ 71	67
2001	73	58	11.3	(NA)	71	84

1/ Dry bulb is the temperature of the ambient air.

2/ Revised. Data from source cited below, "Normals, Means, and Extremes, Honolulu", (annual).

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary With Comparative Data, 2001*, "Meteorological Data for 2001, Honolulu", "Normals, Means, and Extremes, Honolulu", (annual).

Table 5.40-- CLIMATIC DATA FOR THE PERIOD OF RECORD

Subject	Date	Place	Magnitude
Long-term averages: Lowest monthly average minimum temp. (°F) Lowest monthly average daily temp. (°F) Highest monthly average maximum temp. (°F) Highest monthly average daily temp. (°F) Lowest average annual rainfall (inches) Highest average annual rainfall (inches)	February February September September	Mauna Kea summit Mauna Kea summit Kawaihae 1/ Kawaihae 1/ Kawaihae Waialeale	23.5 31.3 91.9 80.8 8.7 444
Single events: Lowest temperature of record (°F) Highest temperature of record (°F) Lowest annual rainfall of record (inches) Highest annual rainfall of record (inches) Highest wind speed of record (m.p.h.)	Jan. 20, 1970 April 27, 1931 1953 1982 Sept. 11, 1992	Mauna Kea summit 2/ Pahala Kawaihae Waialeale Makahuena Pt. 3/	1.4 100 0.2 666 143

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, records; University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Meteorology, records.

**Table 5.41--RAINFALL AT SPECIFIED LOCATIONS: ANNUALLY,
1991 TO 2001**

[In inches]

Year	Hawaii				Maui		
	Hilo Airport	Lalamilo	Kona Village	Naalehu	Kahului Airport	Kihei	Lahaina
1991	153.04	15.73	8.88	44.45	16.09	6.62	11.11
1992	1/ 108.83	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	1/ 76.12	8.86	1.37	17.62	1/ 6.36	4.47	1.86
1999	1/ 117.10	1/ 8.10	3.93	1/ 36.55	1/ 7.04	7.13	6.11
2000	119.45	6.85	6.31	36.03	9.66	3.26	6.01
2001	111.55	6.91	8.05	38.09	9.31	4.84	1.65

Year	Oahu				Kauai		
	Waikiki	University of Hawaii	Nuuanu Res. 4	Kane-ohe 1/	Koloa	Lihue Airport	Prince-ville
1991	26.10	1/ 43.03	115.02	65.33	71.30	41.63	82.01
1992	1/ 17.60	1/ 35.00	118.58	60.14	52.53	50.17	1/ 75.78
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	1/ 42.25	56.76	46.57	86.94
1996	29.96	42.11	116.76	1/ 62.45	1/ 48.81	56.14	85.53
1997	25.30	1/ 40.62	116.22	1/ 62.28	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	1/ 88.06	30.76	40.25	1/ 33.18	1/ 72.98
2000	6.86	18.87	88.20	31.10	30.55	17.96	52.92
2001	15.73	1/ 22.69	82.73	32.22	27.00	27.75	72.05

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; University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Meteorology, records.

Table 5.42-- MAJOR HURRICANES: 1950 TO 2001

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>; University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Meteorology, records.

Table 5.43-- 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, records; University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Meteorology, records.

**Table 5.44-- SUNRISE, SUNSET, AND HOURS OF DAYLIGHT AT
SELECTED LOCATIONS, AT BEGINNING OF EACH SEASON: 2003**

[Hawaiian Standard Time]

Subject	Hilo	Kahului	Honolulu	Lihue
Sunrise (a.m.):				
March 21	6:24	6:29	6:35	6:41
June 21	5:42	5:46	5:50	5:55
Sept. 23	6:09	6:15	6:20	6:26
Dec. 22	6:51	6:59	7:05	7:12
Sunset (p.m.):				
March 21	6:32	6:37	6:43	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	5:50	5:55	6:00
Hours of daylight:				
March 21	12:08	12:08	12:08	12:08
June 21	13:20	13:24	13:26	13:29
Sept. 23	12:07	12:06	12:07	12:07
Dec. 22	10:56	10:51	10:50	10:48

Source: U.S. Naval Observatory, Tables of Sunrise and Sunset
 <http://aa.usno.navy.mil/data/docs/RS_OneYear.html#form> and
 <<http://aa.usno.navy.mil/data/docs/EarthSeasons.html>> accessed April 17, 2002.

**Table 5.45-- SUNRISE, SUNSET, AND HOURS OF DAYLIGHT AT
SELECTED LOCATIONS, AT BEGINNING OF EACH SEASON: 2004**

[Hawaiian Standard Time]

Subject	Hilo	Kahului	Honolulu	Lihue
Sunrise (a.m.):				
March 20	6:24	6:29	6:35	6:41
June 21	5:42	5:46	5:50	5:55
Sept. 22	6:09	6:15	6:20	6:26
Dec. 21	6:51	6:58	7:05	7:12
Sunset (p.m.):				
March 20	6:32	6:37	6:43	6:49
June 21	7:02	7:10	7:16	7:24
Sept. 22	6:16	6:21	6:27	6:33
Dec. 21	5:47	5:50	5:55	6:00
Hours of daylight:				
March 20	12:08	12:08	12:08	12:08
June 21	13:20	13:24	13:26	13:29
Sept. 22	12:07	12:06	12:07	12:07
Dec. 21	10:56	10:51	10:50	10:48

Source: U.S. Naval Observatory, Tables of Sunrise and Sunset
 <http://aa.usno.navy.mil/data/docs/RS_OneYear.html#form> and
 <<http://aa.usno.navy.mil/data/docs/EarthSeasons.html>> accessed April 17, 2002.

**Table 5.46-- 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 5.47-- 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 5.48-- TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 1996 TO 2001

[As of June 30]

Location	1996	1997	1998	1999	2000	2001
Along City and County streets and highways 1/	134,270	135,626	136,982	138,352	139,735	141,237
In City and County parks	101,063	102,083	103,103	104,134	105,175	106,179

1/ Excludes Federal, State, and private thoroughfares.

Source: City and County of Honolulu, Department of Parks and Recreation, Horticulture and Botanical Service, records.

Table 5.49-- ESTIMATED NUMBER OF SPECIES IN HAWAII: 1997 TO 2000

[Excludes viruses and bacteria]

Category	Species			
	1997	1998	1999	2000
Total in Hawaii and surrounding waters	22,462	23,187	23,150	23,680
Endemic to Hawaii	8,864	9,176	9,246	9,456
Nonindigenous protists, fungi, plants, and animals	4,598	4,831	5,047	5,073

Source: 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; L.G. Eldredge and N.L. Evenhuis, "Numbers of Hawaiian Species For 2000", *Bishop Museum Occasional Papers* 68 (2002) 71-78; Bishop Museum, records.

Table 5.50-- THREATENED AND ENDANGERED SPECIES, FOR THE UNITED STATES AND HAWAII

Group	United States	Hawaii
Total distinct species	1,258	317
Mammals	74	3
Birds	92	32
Reptiles	36	4
Amphibians	19	-
Fishes	115	-
Clams	70	-
Snails	32	2
Insects	44	1
Arachnids	12	1
Crustaceans	21	1
Flowering plants	712	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/type?module=521>> accessed April 18, 2002.

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.

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 Budget and Fiscal Services Department, and City and County of Honolulu Planning Research Branch provided the data for this section. *Historical Statistics of Hawaii*, Section 12, contains limited information for earlier years. National data on land use are available in Sections 6, 17, and 26 of the *Statistical Abstract of the United States: 2001*.

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.nrcs.usda.gov/technical/NRI/1997/summary_report> accessed June 10, 2002.

**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 2001**

[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	4/ 194,592	1,974,994	1,932,792	10,010
2000: December	4,112,388	5/ 193,308	1,976,004	5/ 1,933,066	5/ 10,010
2001: December	4,112,388	194,556	1,974,106	1,933,687	10,039

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.

4/ Error in Data Book 2000 corrected.

5/ Revised.

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, 2001**

[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	194,556	1,974,106	1,933,687	10,039
Hawaii	2,573,400	53,115	1,304,818	1,214,732	735
Maui	465,800	21,409	194,836	245,777	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	14,550	198,769	139,328	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 1992 TO 2002

[Fiscal year ending June 30]

Fiscal Year	State total	City and County of Honolulu	County of Maui	County of Hawaii	County of Kauai
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
2002	(NA)	259,273	(NA)	(NA)	29,800

NA Not available.

Source: City and County of Honolulu, Department of Budget and 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: 2001-2002

[For fiscal year ended June 30]

Category	Cemeteries	Churches	Hospitals	Schools
PARCELS				
State total	(NA)	(NA)	(NA)	(NA)
Honolulu	48	821	77	112
Maui	(NA)	(NA)	(NA)	(NA)
Hawaii	(NA)	(NA)	(NA)	(NA)
Kauai	12	137	8	4
AMOUNT (\$1,000)				
State total	(NA)	(NA)	(NA)	(NA)
Honolulu	41,429	861,611	447,124	524,141
Maui	(NA)	(NA)	(NA)	(NA)
Hawaii	(NA)	(NA)	(NA)	(NA)
Kauai	2,279	44,943	12,546	20,778

NA Not available.

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).

**Table 6.07-- LAND OWNED IN FEE SIMPLE BY SELECTED LARGE
LANDOWNERS: 1999 TO 2001**

[In acres. Unless otherwise specified, as of December 31]

Landowner	1999	2000	2001
Eight large landowners	981,844	976,693	(NA)
Percent of total land area	1/ 23.9	1/ 23.8	(NA)
Kamehameha Schools 2/	366,252	366,042	366,458
Parker Ranch	136,406	136,332	136,686
Castle & Cooke, Inc.	99,791	95,200	(NA)
Dole Food Company, Inc.	28,518	28,515	(NA)
Samuel M. Damon Estate	121,360	121,360	121,360
Alexander and Baldwin, Inc.	91,226	91,100	91,000
C. Brewer and Company, Ltd.	75,891	75,744	(NA)
James Campbell Estate	62,400	62,400	62,200

NA Not available.

1/ Based on area of 4,110,966 acres.

2/ Formerly known as Bernice P. Bishop Estate. Data as of July 1.

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	8.5	14.8	15.1	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) 1/	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	284.1
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

Continued on next page.

Table 6.08-- REAL PROPERTY OWNED BY OR LEASED TO THE FEDERAL GOVERNMENT: 1996 TO 2000 - con.

[As of September 30]

Subject	1996	1997	1998	1999	2000
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	72,036.2
Number of buildings	641	639	635	657	371
Floor area of buildings (1,000 sq. ft.)	1,017.7	1,015.5	993.1	1,226.1	980.4
Annual rent (\$1,000)	13,965	13,906	13,781	18,916	12,925

1/ 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, Federal Real Property Owned and Leased, at <<http://www.gsa.gov/Portal/pub.jsp?OID=115091>>, *Owned Inventory 2000*, tables 4, 6, 12 and 14, *Lease Inventory 2000*, table 5, accessed February 27, 2002.

**Table 6.09-- DEPARTMENT OF HAWAIIAN HOME LANDS ACREAGE,
LESSEES, AND APPLICANTS, BY ISLANDS: JUNE 30, 2001**

[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	Lanai	Molokai	Oahu	Kauai
Acreage 1/	200,587	116,963	30,962	50	25,386	7,015	20,211
Homestead leases 2/	7,192	2,051	761	-	829	2,042	509
Residential	5,735	1,280	621	-	391	2,983	460
Agricultural	1,078	494	66	-	412	59	47
Pastoral	379	277	74	-	26	-	2
Applicant waiting list 2/	31,941	11,805	6,070	-	1,667	8,975	3,424
Residential	16,870	4,864	2,749	-	697	7,106	1,454
Agricultural	13,203	5,588	2,982	-	821	1,864	1,763
Pastoral	2,048	1,763	339	-	149	-	207

1/ Data based on latest figures from the trust resolution project. Acreages are rounded to the nearest acre and include 13,127 acres of new lands out of the 16,518-acre land transfer from the Public Land Trust and 225 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'i'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, and 60,433 acres at Kealakehe, Hawaii.

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 19,641. 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 26 of the *Statistical Abstract of the United States: 2001*.

Table 7.01-- PASSENGERS ARRIVING, BY POINTS OF ORIGIN AND TRANSIT STATUS: 1992 TO 2001

Points of origin and status	1992	1993	1994	1995	1996
All directions	8,405,740	7,878,950	7,909,250	7,957,220	8,049,980
Landing	7,266,350	6,945,630	7,263,820	7,466,710	7,648,880
Intransit	1,139,390	933,320	645,430	490,510	401,100
Domestic	5,295,770	5,039,640	5,197,640	5,056,770	5,078,740
Landing	4,664,350	4,520,430	4,772,380	4,725,150	4,801,570
Intransit	631,420	519,210	425,260	331,620	277,170
International	3,109,970	2,839,310	2,711,610	2,900,450	2,971,240
Landing	2,602,000	2,425,200	2,491,440	2,741,560	2,847,310
Intransit	507,970	414,110	220,170	158,890	123,930
Points of origin and status	1997	1998	1999	2000	2001
All directions	8,182,660	7,852,500	7,980,220	8,272,973	7,585,952
Landing	7,723,580	7,545,230	7,708,206	7,981,480	7,318,235
Intransit	459,080	307,270	272,014	291,493	267,717
Domestic	5,147,470	5,169,410	5,172,404	5,448,603	5,200,050
Landing	4,907,620	5,033,100	5,088,781	5,318,419	5,071,551
Intransit	239,850	136,310	83,623	130,184	128,499
International	3,035,190	2,683,090	2,807,816	2,824,370	2,385,902
Landing	2,815,960	2,512,130	2,619,425	2,663,061	2,246,684
Intransit	219,230	170,960	188,391	161,309	139,218

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: 1999 TO 2001**

Year and points of origin	All types	Visitors destined to Hawaii	Passengers destined beyond Hawaii		Returning residents	Intended residents
			Overnight or longer	Intransit		
PARTIES 1/						
1999, total	(NA)	3,109,358	(NA)	(NA)	591,766	(NA)
Domestic	(NA)	2,099,026	94,585	(NA)	519,560	17,733
International	(NA)	1,010,332	(NA)	(NA)	72,206	(NA)
2000, total	(NA)	3,368,364	(NA)	(NA)	629,351	(NA)
Domestic	(NA)	2,340,371	88,213	(NA)	546,165	19,446
International	(NA)	1,027,993	(NA)	(NA)	83,186	(NA)
2001, total	(NA)	3,077,581	(NA)	(NA)	625,512	(NA)
Domestic	(NA)	2,200,167	76,062	(NA)	529,411	19,474
International	(NA)	877,414	(NA)	(NA)	96,101	(NA)
PASSENGERS						
1999, total	7,980,220	6,564,989	(NA)	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	8,272,973	6,780,990	(NA)	291,493	1,001,174	(NA)
Domestic	5,448,603	4,279,331	167,606	130,184	839,772	31,710
International	2,824,370	2,501,659	(NA)	161,309	161,402	(NA)
2001, total	7,585,952	6,165,358	(NA)	267,717	982,508	(NA)
Domestic	5,200,050	4,085,888	138,432	128,499	815,293	31,938
International	2,385,902	2,079,470	(NA)	139,218	167,215	(NA)

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 2001**

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
2001	6,303,791	4,224,321	2,079,470	158,243	118,106	40,136

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:
2000 AND 2001**

Departure from Major Market Areas (MMA)	2000			2001		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
All visitors	6,948,595	4,446,936	2,501,659	6,303,791	4,224,321	2,079,470
US West MMA	2,432,444	2,329,284	103,160	2,372,070	2,298,103	73,967
US East MMA	1,712,712	1,623,539	89,173	1,588,163	1,524,743	63,420
Japan MMA	1,817,643	34,141	1,783,502	1,528,564	22,371	1,506,193
Canada MMA	251,843	41,039	210,804	216,948	43,905	173,043
Other Asia MMA	152,542	44,788	107,755	101,870	30,776	71,094
China	36,549	25,957	10,593	28,664	18,946	9,718
Hong Kong	15,148	5,714	9,434	8,886	2,608	6,278
Korea	58,865	8,821	50,044	44,161	6,538	37,623
Singapore	6,200	837	5,363	5,654	855	4,799
Taiwan	35,780	3,459	32,321	14,505	1,829	12,676
Oceania MMA	95,973	32,615	63,359	81,158	20,829	60,329
Australia	73,186	23,977	49,209	66,830	17,223	49,607
New Zealand	22,787	8,638	14,150	14,330	3,607	10,723
Europe MMA	166,973	139,337	27,637	126,020	104,229	21,791
United Kingdom	87,084	67,718	19,367	75,721	59,631	16,090
France	11,054	9,777	1,277	7,675	6,724	951
Germany	49,771	45,099	4,672	29,112	25,923	3,189
Italy	6,869	5,866	1,003	4,590	4,152	438
Switzerland	12,195	10,877	1,318	8,923	7,799	1,124
Latin America MMA	18,150	16,121	2,029	14,737	13,312	1,425
Argentina	3,206	2,988	218	2,716	2,553	163
Brazil	8,103	6,842	1,261	5,393	4,546	847
Mexico	6,841	6,291	550	6,627	6,213	414
Other MMA	300,313	186,073	114,240	274,259	166,053	108,206

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 2001**

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
2001	57,760,242	43,108,798	14,651,444

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:
2000 AND 2001**

County or island	2000			2001		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total	168,637	123,441	45,196	158,243	118,106	40,136
Oahu	84,910	51,186	33,724	79,699	50,315	29,385
Hawaii County	21,831	18,325	3,506	21,064	17,394	3,669
Kauai County	18,041	16,254	1,787	16,830	15,345	1,485
Maui County	43,854	37,676	6,178	40,650	35,053	5,598
Maui	41,819	35,817	6,002	38,723	33,330	5,394
Molokai	904	837	67	831	721	110
Lanai	1,131	1,022	109	1,096	1,002	94

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: 2000 AND 2001

[Covers visitors staying overnight or longer anywhere in the state, and any overnight or non-overnight interisland trips reported by these visitors]

Areas visited	2000			2001		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total 1/	6,948,595	4,446,936	2,501,659	6,303,791	4,224,321	2,079,470
Oahu	4,719,244	2,485,058	2,234,186	4,250,863	2,379,285	1,871,578
Kauai	1,074,821	884,407	190,414	919,896	839,368	80,528
Maui County 1/	2,304,666	1,834,631	470,035	1,969,701	1,685,960	283,740
Maui	2,246,253	1,783,820	462,433	1,917,465	1,640,961	276,504
Molokai	64,559	55,572	8,987	59,662	52,312	7,350
Lanai	87,662	76,391	11,271	79,211	72,783	6,428
Hawaii County 1/	1,267,965	925,356	342,609	1,080,266	868,615	211,651
Hilo side	370,193	272,964	97,229	346,223	286,159	60,064
Kona side	1,101,401	809,863	291,538	932,607	756,001	176,606
One island only	5,090,031	3,206,352	1,883,679	4,883,707	3,111,061	1,772,646
Oahu only	3,145,170	1,501,397	1,643,773	3,067,392	1,487,323	1,580,069

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: 2000 AND 2001

Subject	Total	Domestic	International
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	104	121	78
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)
2001			
Residence (percent):			
United States	63.8	90.5	9.4
Pacific and Mountain States	31.4	54.4	3.6
California	23.5	34.8	1.4
Males per 100 females	107	126	76
Average age (years)	(NA)	(NA)	(NA)
Persons per party	2.0	1.9	2.4
Arriving June-August (percent)	29.9	29.7	30.3
Repeat visitors (percent)	61.1	65.6	51.9
Pleasure trip (percent)	79.7	77.5	84.1
In hotel only	61.7	52.4	80.6
One island only	77.5	73.6	85.2
Destined beyond Hawaii (percent)	(NA)	3.3	(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:
2000 AND 2001**

[Limited to visitors staying overnight or longer. Includes both visitors destined to and beyond Hawaii]

Residence	2000	2001
United States	3,952,823	3,829,562
Pacific	1,938,247	1,908,060
Alaska	43,224	41,545
California	1,456,666	1,468,882
Oregon	135,883	123,512
Washington	302,474	274,121
Mountain	391,037	390,044
Arizona	100,589	97,564
Colorado	110,480	107,932
Idaho	23,931	24,568
Montana	15,019	15,264
Nevada	55,621	54,879
New Mexico	20,509	18,549
Utah	58,460	65,648
Wyoming	6,428	5,640
West North Central	206,468	193,575
Iowa	24,544	22,236
Kansas	23,869	22,579
Minnesota	84,262	79,592
Missouri	48,170	45,285
Nebraska	14,280	13,170
N. Dakota	5,160	4,806
S. Dakota	6,182	5,907
West South Central	229,067	219,878
Arkansas	11,690	11,590
Louisiana	16,750	15,529
Oklahoma	22,838	21,587
Texas	177,789	171,172
East North Central	402,799	378,162
Illinois	138,588	132,911
Indiana	43,346	42,441
Michigan	88,413	85,000
Ohio	78,393	72,644
Wisconsin	54,059	45,166
East South Central	78,366	70,810
Alabama	18,573	15,640
Kentucky	20,993	19,199
Mississippi	8,581	7,661
Tennessee	30,220	28,310

Continued on next page.

**Table 7.09-- DOMESTIC VISITORS BY STATES AND REGIONS:
2000 AND 2001 -- Con.**

Residence	2000	2001
New England	110,355	105,925
Connecticut	27,672	26,050
Maine	7,159	6,637
Massachusetts	55,894	53,597
New Hampshire	8,996	9,290
Rhode Island	6,407	6,251
Vermont	4,225	4,100
Middle Atlantic	256,975	240,065
New Jersey	70,559	65,655
New York	117,496	113,548
Pennsylvania	68,920	60,862
South Atlantic	339,509	316,336
Delaware	4,948	4,576
Washington, D.C.	6,594	6,309
Florida	87,514	83,717
Georgia	62,041	53,781
Maryland	47,525	43,543
N. Carolina	40,666	36,595
S. Carolina	16,479	16,114
Virginia	68,202	66,277
West Virginia	5,541	5,425

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: 2000 AND 2001

[Limited to visitors staying overnight or longer. Includes both visitors destined to and beyond Hawaii]

Subject	Domestic		International	
	2000	2001	2000	2001
All visitors 1/	4,446,936	4,224,321	2,501,659	2,079,470
Purpose of visit: 1/				
Pleasure	3,374,309	3,273,947	2,180,111	1,749,672
Honeymoon	279,843	253,253	368,249	246,525
Meetings, conventions, incentive 1/	454,063	331,360	120,853	92,283
Convention	298,435	204,697	64,325	47,587
Corporate meeting	95,793	76,547	20,281	18,535
Incentive	64,876	53,716	38,078	28,100
Other business	189,193	177,130	37,022	33,236
Visit friends or relatives	368,869	361,100	77,496	74,050
Government or military	61,330	59,955	22,434	21,206
Attend school	12,802	14,362	5,906	9,562
Traveler method:				
Tour group	394,519	333,694	1,388,260	746,482
Package	1,535,324	1,372,737	1,873,573	1,510,019
Group tour and package	312,525	266,824	1,340,657	706,832
True independent	2,829,619	2,784,708	580,494	529,783
Accommodations:				
Hotel	2,699,350	2,483,754	2,131,689	1,749,973
Hotel only	2,423,672	2,213,039	2,053,195	1,675,841
Condo	929,041	821,249	240,657	220,767
Condo only	776,976	688,495	192,058	183,667
Timeshare	260,765	322,776	32,551	29,172
Timeshare only	203,319	255,833	2,441	20,310
Apartment	61,641	59,168	22,019	14,000
Bed & Breakfast	65,582	60,037	14,179	10,862
Cruise ship	76,652	121,472	14,350	14,272
Friends, relatives	486,112	485,168	65,886	72,571

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: 2000 AND 2001

Length of stay	2000			2001		
	Total	Domestic	International	Total	Domestic	International
All visitors	6,948,595	4,446,936	2,501,659	6,303,791	4,224,321	2,079,470
1 to 6 days	2,987,791	1,100,036	1,887,755	2,495,942	1,016,366	1,479,576
7 to 12 days	2,944,124	2,491,023	453,102	2,821,504	2,395,468	426,036
13 to 30 days	911,106	765,537	145,569	881,079	724,509	156,570
31 to 365 days	105,574	90,340	15,234	105,266	87,978	17,288
Median (days)	6.92	8.00	5.00	7.01	8.00	5.00
Mean (days)	8.88	10.16	6.61	9.16	10.20	7.05

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:
1996 TO 2001**

Subject	1996	1997	1998	1999	2000	2001
Arrivals (1,000)	2,070	2,152	2,004	1,826	1,818	1,506
Average stay (days)	5.8	5.5	5.7	5.7	5.6	6.0
Expenditures (mil. dol.)	3,532	3,402	2,933	2,359	2,370	2,219

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 2001

[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	2001	154.41	241.17

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 2001

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	2001	177.1	87

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: 2000 AND 2001

[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	
	2000	2001	2000	2001	2000	2001
All items	160.1	162.4	185.6	173.7	236.9	245.1
Total Food and beverage	35.9	37.8	37.9	38.3	24.2	32.6
Restaurants	22.1	24.0	25.3	25.0	13.6	23.4
Dinner shows	3.1	2.8	3.7	4.0	2.2	0.0
Dinner or lunch cruise	1.6	1.2	2.0	1.7	(NA)	(NA)
Nightclubs, bars	2.9	3.2	2.7	2.7	(NA)	(NA)
Groceries	6.3	6.6	4.2	4.9	2.8	6.0
Other food expenditures	(NA)	(NA)	(NA)	(NA)	5.5	3.2
Total Entertainment	11.5	10.8	12.8	11.8	2.0	3.7
Attractions	4.7	4.3	6.5	7.2	(NA)	(NA)
Sports, recreation	6.1	5.9	5.5	3.9	(NA)	(NA)
Other entertainment	0.8	0.7	0.7	0.7	(NA)	(NA)
Total Transportation	12.7	14.6	17.5	16.6	7.9	11.8
Interisland travel	1.8	1.7	3.7	3.9	4.6	6.1
Ground transportation	8.2	1.3	9.8	1.6	0.8	0.9
Rental vehicles	1.1	9.3	1.6	8.8	1.9	2.9
Gasoline	1.0	1.3	1.2	1.3	0.1	0.2
Parking	0.7	1.1	1.1	1.0	(NA)	(NA)
Other transportation exp.	(NA)	(NA)	(NA)	(NA)	0.4	1.6
Total Fashion	15.6	24.9	20.3	26.7	43.8	85.7
Fashion and Clothing	8.1	6.9	9.6	6.5	17.8	18.0
Jewelry and watches	4.3	2.3	5.7	2.2	8.3	8.8
Cosmetics and perfumes	0.3	5.7	0.3	6.4	3.3	5.0
Leather goods	0.3	0.4	0.3	0.4	14.4	24.9
Other fashion items	2.6	0.3	4.4	0.3	(NA)	(NA)
Total Agricultural	1.4	1.9	1.6	1.8	2.1	1.6
Other shopping	(NA)	4.7	(NA)	5.5	12.5	22.7
Total Souvenirs	3.6	2.8	5.6	3.5	13.4	4.7
Total Communications	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total Personal Services	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total Lodging	68.1	65.3	72.1	67.1	83.3	71.9
All other expenses	(NA)	6.3	(NA)	8.0	(NA)	24.7
Tour pak not alloc./misc.	11.1	2.7	17.8	5.3	47.8	14.7

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:
2000 AND 2001**

[Dollars]

Visitor or trip characteristics	Domestic Visitors from US West		Domestic Visitors from US East		International Visitors from Japan	
	2000	2001	2000	2001	2000	2001
All visitors	143.44	149.61	170.15	161.22	235.15	241.17
Group tour status:						
Organized group tour	140.79	149.30	206.73	164.02	238.35	246.24
Individually arranged	147.86	160.18	169.74	170.72	227.64	239.96
Arrived on package tour:						
Yes	155.39	148.96	194.28	170.72	242.03	254.08
No	143.64	171.20	157.20	170.16	190.48	188.79
Accommodations:						
Hotel only	167.71	177.04	191.41	177.26	243.53	246.68
Condo only	145.24	140.12	156.90	161.68	161.46	164.66
Guests of friends and relatives	109.95	92.82	121.54	110.51	105.11	97.58
Timeshare	(NA)	123.02	(NA)	123.16	(NA)	109.70
Other	94.04	113.36	113.66	138.92	115.46	101.99
Previous visits:						
First trip	120.02	140.32	166.54	168.90	233.59	253.71
Repeat visitors	151.51	165.57	162.43	171.90	236.42	231.71
Purpose of trip:						
Pleasure	150.65	158.15	176.18	161.53	235.50	228.63
Business: Meetings, conventions, incentive	152.98	202.57	214.77	207.09	239.25	235.78
On honeymoon:	190.39	170.69	217.40	227.71	281.33	310.45

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 2001

[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	2001	9,745	376

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 2001**

[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
2001	10,121,235	9,745,192	6,174,369	2,219,169	400,721	950,933	376,043

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 2001

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	110.4	144.53	536.00	94.75	158.3	105.4	173.3
2000 6/	112.1	159.28	576.00	94.50	160.0	103.5	176.3
2001	113.4	159.78	(NA)	95.25	164.0	101.0	178.4

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*, 1980-2000 (1998 figure as of July 27).

4/ Regular fare, including taxes, as of July 1, by Hawaiian Airlines. From chronology in *Data Book*, 1984-2001 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 2000 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 2001**

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	46,151	37,307	8,844
2001	982,508	815,293	167,215	46,566	36,029	10,537

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:
1998 TO 2001**

[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]

Mailing address	1998	1999	2000	2001
Issued by Honolulu Office	66,472	67,046	66,540	65,392
Mailed to Hawaii addresses	43,490	44,786	43,060	43,849
Mailed outside the state	22,982	22,260	23,480	21,543

Source: U.S. Department of State, Honolulu Passport Agency, records.

Table 7.27-- PERFORMING ARTS, FOR OAHU: 2000-2001 SEASON

Name of organization and type of performance	Productions	Performances	Attendance
All reporting groups	161	948	270,577
Brigham Young University - Hawaii Campus 1/	34	42	(NA)
Diamond Head Theatre	6	80	28,950
Hawaii Pacific University (Hawaii Loa Campus)	3	32	2,400
Honolulu Theatre for Youth	8	399	114,000
Leeward Community College	89	217	90,134
Manoa Valley Theatre	6	90	13,500
University of Hawaii at Manoa	15	88	21,593

NA Not available.

1/ Calendar year 2001.

Source: Hawaii State Department of Business, Economic Development & Tourism mail and telephone survey.

**Table 7.28-- SYMPHONY ORCHESTRA ACTIVITIES:
1986-1987 TO 2000-2001**

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
2000-2001 6/	80	53	98,831	5,797,900

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.

6/ Cancelled Shell series and Ohana series due to expense.

Source: Honolulu Symphony Society, records; Hawaii Symphony Orchestra, records.

**Table 7.29-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL
ATTRactions: 1999 TO 2001**

[Calendar year data unless otherwise specified]

Island and cultural attraction	1999	2000	2001
OAHU			
Battleship Missouri Memorial	386,524	(NA)	(NA)
Bernice P. Bishop Museum 1/	483,055	283,907	410,565
The Contemporary Museum 2/	33,508	34,120	35,474
Damien Museum and Archives	17,844	24,324	(NA)
Diamond Head State Monument 3/	1,000,000	1,300,000	1,300,000
Foster Botanical Garden 4/	48,434	(NA)	(NA)
Fred Ohrt Water Museum 1/	2,055	4,000	2,978
Halawa Shaft 5/	4,276	3,770	1,889
Halawa Xeriscape Garden 1/	2,912	3,210	3,786
Harold L. Lyon Arboretum	23,000	32,000	(NA)
Hawaii Children's Discovery Center 6/	49,472	(NA)	(NA)
Hawaii Maritime Center	75,896	62,472	52,172
Honolulu Academy of Arts	211,560	277,300	(NA)
Honolulu Zoo	563,922	584,320	560,000
Ho'omaluhia Botanical Garden	86,368	(NA)	(NA)
Iolani Palace State Monument 1/	70,355	65,760	69,938
Judiciary History Center	37,937	38,360	37,311
Mormon Temple Grounds (Church of Jesus Christ of Latter-Day Saints, Hawaii Temple Visitor's Center)	112,709	116,196	(NA)
Pacific Aerospace Museum	35,000	(NA)	(NA)
Polynesian Cultural Center	793,932	807,210	758,314
Puu o Mahuka Heiau State Monument 3/	20,000	20,000	20,000
Queen Emma Summer Palace	16,541	16,443	15,757
Royal Mausoleum State Monument 3/	115,000	115,000	115,000
Sea Life Park Hawaii	356,123	(NA)	(NA)
Senator Fong's Plantation and Gardens	106,675	(NA)	(NA)
Tropic Lightning Museum 7/	10,568	12,541	12,541
Ulu Po Heiau State Monument 3/	5,000	5,000	5,000
U.S. Army Museum, Ft. DeRussy 7/	106,877	113,496	104,774
U.S.S. Arizona Memorial	1,410,218	1,452,704	1,443,956
U.S.S. Bowfin Submarine Museum	184,471	194,859	226,517
University of Hawaii Art Gallery	50,000	50,000	52,000
Waikiki Aquarium 1/	339,000	330,393	340,498
Waimea Falls Park	240,759	253,693	235,319
Waipahu Cultural Garden Park	30,825	36,450	(NA)

Continued on next page.

**Table 7.29-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL
ATTRACTIONS: 1999 TO 2001 - Con.**

Island and cultural attraction	1999	2000	2001
HAWAII			
Astronaut Ellison S. Onizuka Space Center	19,132	17,727	16,650
Hawaii Tropical Botanical Garden	65,586	78,128	68,007
Greenwell Store Museum	1,106	1,201	1,057
Hawaii Volcanoes National Park 8/	2,771,899	2,673,817	2,631,649
Hulihee Palace	25,340	22,805	25,977
Lyman House Memorial Museum	20,212	21,627	18,101
Panaewa Rainforest Zoo	78,000	80,000	85,000
Parker Ranch Historic Homes 9/	16,729	12,797	10,400
Parker Ranch Visitor Center 9/	10,812	12,798	10,500
Volcano Art Center	101,000	101,000	102,000
Wailoa Center 1/	62,300	63,850	(NA)
MAUI			
Alexander & Baldwin Sugar Museum	36,528	34,909	31,004
Halekii-Pihana Heiaus State Monument 1/	(NA)	7,200	(NA)
Hana Cultural Center	16,117	16,963	(NA)
Hawaii Nature Center	91,470	58,657	41,003
Iao Valley State Monument 1/	(NA)	741,000	(NA)
Kula Botanical Gardens	24,100	24,200	24,200
Lahaina Restoration Foundation	208,466	218,400	210,349
Baldwin Missionary Home Museum	57,837	52,632	45,106
Brig <i>Carthaginian</i>	51,329	44,656	39,476
Hale Pa'ahao (Old Lahaina Prison)	32,150	30,255	29,877
Hale Pa'i Printing House	5,950	5,177	3,184
Wo Hing Temple Museum	61,200	85,680	92,706
Maui Historical Society Bailey House Museum	14,352	14,196	11,681
Maui Tropical Plantation	256,491	240,763	(NA)
Whalers Village Museum 10/	231,710	189,149	177,024
KAUAI			
Grove Farm Homestead	3,098	3,111	2,793
Kauai Museum	35,000	38,000	38,300
Kilauea National Wildlife Refuge 11/	400,000	400,000	400,000
Kokee Natural History Museum	120,336	113,862	100,650
Waioli Mission House	1,157	985	1,040
MOLOKAI			
Kalaupapa Settlement	10,068	8,644	8,956

Footnotes and source on next page.

**Table 7.29-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL
ATTRACTIONS: 1999 TO 2001 - Con.**

NA Not available.

1/ Years ended June 30.

2/ The Contemporary Museum also manage the First Hawaii Center Gallery (1999 attendance--40,000, 2000 attendance--33,375, 2001 attendance--37,555).

3/ Years ended June 30. 1999-01 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 Halawa Shaft was closed July 1 to December 31, 2000

6/ Closed May 1994 to 1998, formerly Hawaii Children's Museum.

7/ Fiscal Year starts in October 1 and ends in September 30.

8/ Kilauea Visitor Center and Jagger Museum are included in the total attendance at Hawaii Volcanoes National Park.

9/ Parker Ranch also runs the Parker Ranch Wagon Tour (1999 attendance--4,112, 2000 attendance--3,743)

10/ 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 in 1999 through June--113,434.

11/ 1999-2001 Data estimates.

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: 1992 TO 2001

Year and area	Acreage, Dec. 31, 2001			Visits
	Total	Federal	Non-federal	
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
2001	249,001	237,731	11,270	6,215,669
AREAS: 2001				
Hawaii Volcanoes National Park 1/ Haleakala National Park	207,643 29,195	207,643 29,195	- -	2,631,649 1,440,062
Pu'uohonua o Honaunau National Historical Park	182	182	-	402,071
Kaloko-Honokohau National Historical Park	1,161	616	545	54,000
Pu'ukohola Heiau National Historic Site	83	61	22	180,925
U.S.S. Arizona Memorial 2/	11	11	-	1,443,956
Kalaupapa National Historical Park 3/	10,726	23	10,703	63,006

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 Islands Support Office, records.

Table 7.32-- STATE PARKS AND HISTORIC SITES: 1991 TO 2001

Year and island	Number of areas, June 30	Acreage, June 30		Recreation visits, year ended June 30 (1,000)
		Total	Developed	
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	68	26,815	772.1	12,661
2000	68	26,815	772.1	13,004
2001	69	27,626	772.1	13,884
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
ISLANDS: 2001				
Hawaii	16	2,694	272.9	4,126
Maui	9	332	37.9	1,715
Molokai	1	234	10.0	32
Oahu	21	9,590	259.8	3,646
Kauai	10	13,756	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.

Source: Hawaii State Department of Land and Natural Resources, Division of State Parks, records.

Table 7.33-- MAJOR STATE PARKS: 2000 AND 2001

[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	
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
2001			
Old Kona Airport State Rec. Area	103.7	20.4	1,176
Hapuna Beach State Rec. Area	61.8	20.5	1,198
Wailua River State Park	1,130.7	37.4	1,144
Diamond Head State Monument 1/	475.0	8.0	1,000
Haena State Park	65.7	2.0	665
Wailoa River State Recreation Area	131.9	97.7	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	1,642.5	5.0	(NA)
Sacred Falls State Park 2/	1,375.9	10.0	0

NA Not available.

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:
2000 AND 2001**

[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/
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
2001					
State total	667	290	110	231	36
Hawaii	128	59	23	41	5
Maui	66	30	4	31	1
Kahoolawe	1	-	1	-	-
Lanai	2	-	-	2	-
Molokai	93	41	10	40	2
Oahu	295	122	68	82	23
Kauai	82	38	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: 1998 TO 2001

Subject and Zoo	1998	1999	2000	2001
Species: 1/				
Honolulu Zoo	304	(NA)	303	300
Panaewa Rainforest Zoo (Hilo)	70	65	73	71
Individuals: 1/				
Honolulu Zoo	1,335	(NA)	1,229	1,230
Panaewa Rainforest Zoo (Hilo)	200	185	171	169
Attendance:				
Honolulu Zoo	622,517	(NA)	584,320	560,000
Panaewa Rainforest Zoo (Hilo) 2/	76,574	78,000	80,000	85,000

NA Not available.

1/ Animal and bird inventory, December 31.

2/ Attendance figures for the Panaewa Rainforest Zoo for 1999, 2000 and 2001 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: 2001

[For annual attendance, see table 7.29]

Phylum or class	Sea Life Park, June 30, 2001		Waikiki Aquarium, June 30, 2001	
	Species	Individuals	Species	Individuals
Total	(NA)	(NA)	394	2,133
Fishes	(NA)	(NA)	166	476
Reptiles	(NA)	(NA)	2	2
Mammals	(NA)	(NA)	1	2
Invertebrates	(NA)	(NA)	225	1,653
Birds	(NA)	(NA)	0	0

NA Not available

Source: Sea Life Park, records; Waikiki Aquarium, records.

Table 7.37-- COUNTY PARKS, BY ISLANDS: 1999 TO 2001

[As of December 31]

Island	Number			Acreage		
	1999	2000	2001	1999	2000	2001
State totals	(NA)	627	632	(NA)	8,466	9,015
Hawaii	135	135	135	1,377	1,377	1,377
Maui	115	124	124	1,054	1,107	1,107
Lanai	4	5	5	15	16	16
Molokai	13	14	14	73	75	75
Oahu 1/	(NA)	283	288	7,030	5,891	6,440
Kauai	(NA)	66	66	(NA)	412	412

NA Not available

1/ 1999-2001 numbers exclude 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: 2001

Beach park	Estimated attendance 1/	Rescues	Drownings	Surfing accidents
All parks	18,709,554	1,360	4	591
Ala Moana	1,827,371	76	-	28
Alii/Haleiwa	378,121	44	-	12
Bellows	111,523	2	-	2
Ehukai	488,747	46	-	51
Hanauma	1,526,835	357	2	-
Kailua	412,753	9	1	2
Keauwaula	129,398	21	-	16
Ke Waena	251,266	8	-	7
Kualoa	325,064	7	-	-
Mali	316,007	23	-	15
Makaha	375,762	41	-	18
Makapuu	209,975	155	-	4
Nanakuli	345,006	47	-	6
Pokai Bay	348,192	8	-	-
Sandy	611,665	277	-	50
Sunset	603,314	46	-	9
Waikiki	9,259,938	97	1	343
Waimanalo	315,072	8	-	9
Waimea	873,545	88	-	19

1/ Attendance is based on headcounts taken 3 times 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/	184.9	19.4	32.6	18.2	23.2	50.3	41.2
Primary 2/	24.4	1.2	7.9	-	-	12.5	2.8
Other	160.5	18.2	24.7	18.2	23.2	37.8	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: 1999 TO 2001

[As of December 31]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
Locations:							
1999	(NA)	20	12	1	1	45	(NA)
2000	33	19	12	1	1	45	9
2001	34	19	12	2	1	45	9
Courts:							
1999	(NA)	45	41	2	2	179	(NA)
2000	89	43	42	2	2	179	22
2001	88	43	39	4	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: 2002

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	3	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*, July 21, 2002.

**Table 7.42-- COUNTY GOLF COURSES AND CAMPING PERMITS,
FOR OAHU: 1991 TO 2001**

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
2001	6	99	638,817	16,375

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 2002

[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
2002	72	266	14	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* and *The Honolulu Advertiser*, various issues.

Table 7.44-- PUBLIC HUNTING AREAS AND WILDLIFE SANCTUARIES AND REFUGES, BY ISLANDS: OCTOBER 30, 2001

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: 1996 TO 2001

[Years ended June 30]

Type of license	1996	1997 1/	1998 1/	1999 1/	2000	2001
Freshwater fishing	6,557	6,493	6,946	7,197	5,279	6,277
Hunting	10,969	10,477	10,061	9,810	9,804	9,295

1/ Freshwater fishing licenses for 1997, 1998 and 1999 have been revised from previous year Databook.

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: 2001

[For 1980 survey results, see *Data Book 1984*, table 251]

Subject	All activities	Hunting and fishing			Wildlife watching
		Both	Fishing	Hunting	
Hawaii residents: 1/ 2/ Participants (1,000)	195	114	(NA)	(NA)	126
Taking place in Hawaii: 2/ Participants, total (1,000)	(NA)	(NA)	150	17	220
Hawaii residents	(NA)	(NA)	109	17	120
Residents of other states	(NA)	(NA)	41 3/	(B)	141
Expenditures (million dollars)	272	140	125	15	131

B Sample size too small to report data reliably.

NA Not available

1/ Estimated population 16 years old or more was 916,000.

2/ Detail does not add to total because of multiple responses.

3/ Estimate based on small sample size.

Source: U.S. Fish and Wildlife Service and U.S. Bureau of the Census, *2001 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation* (June 2002), pp. 14, 20, 21, 23, 25, 26 and 28.

**Table 7.47-- HONOLULU MARATHON REGISTRANTS, FINISHERS AND
WINNING TIMES: 1992 TO 2001**

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
2001	23,513	19,236	2:15:09	2:29:54

Source: Honolulu Marathon Association, records; Honolulu Marathon Records & Statistics, at <http://www.honolulumarathon.org/stats.html> accessed on February 7, 2002.

**Table 7.48-- IRONMAN TRIATHLON WORLD CHAMPIONSHIP
PARTICIPANTS, FINISHERS, AND WINNING TIMES: 1992 TO 2001**

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
2001	1,468	1,368	8:31:18	9:28:37

Source: Ironman Triathlon World Championship, records; 1995-1998 race results from JTL Timing Systems Hawaii at <<http://www.ironmantri.com>> and 1999-2001 race results from <<http://www.ironmanlive.com>> accessed on February 7, 2002.

**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.transpacificyc.org>.

**Table 7.50-- TOTAL ATTENDANCE AT FOOTBALL BOWL GAMES:
1996-1997 TO 2001-2002 SEASONS**

Bowl	1996- 1997	1997- 1998	1998- 1999	1999- 2000	2000- 2001	2001- 2002
Oahu Bowl 1/	(X)	(X)	34,803	40,974	24,187	(X)
Aloha Bowl	19,467	34,419	34,803	40,974	24,397	(X)
Hula Bowl 2/	14,725	20,079	23,719	23,719	23,719	20,000
Pro Bowl	47,205	49,995	50,075	50,112	50,128	50,301

X Not applicable, the Oahu Bowl first played in 1998, Oahu Bowl and Aloha Bowl not played in 2001-2002 season.

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: 1998-1999 TO 2000-2001**

[Includes only games played against four-year collegiate teams]

Sports	Games played 1/				Home games	
	Total	Won	Lost	Tied	Home dates	Attendance
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
2000-2001						
Baseball	56	29	27	-	36	87,029
Basketball (men's)	31	17	14	-	18	116,802
Basketball (women's)	34	26	8	-	22	42,098
Football	12	3	9	-	8	298,719
Volleyball (men's)	26	19	7	-	16	82,711
Volleyball (women's)	33	31	2	-	22	153,688

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:
1998-1999 TO 2000-2001 SEASONS**

Sport	Players	Games 1/	Attendance	Expenditure 2/ (dollars)
1998-1999:				
Baseball	Boys	(NA)	(NA)	12,632
Basketball	Boys and girls	400	16,622	70,580
Football	Boys	168	69,299	97,778
1999-2000:				
Baseball	Boys	(NA)	(NA)	13,086
Basketball	Boys and girls	400	17,247	71,674
Football	Boys	174	75,362	119,546
2000-2001:				
Baseball	Boys	(NA)	(NA)	14,281
Basketball	Boys and girls	437	17,771	74,512
Football	Boys	184	86,902	123,401

NA Not available

Note: Data is for Oahu only (OIA).

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.

Source: Hawaii State Department of Education, Office of Accountability and School Instructional Support, records.

Table 7.53-- PROFESSIONAL BOXING: 1993 TO 2001

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
2001	3	6	3,489	141,235

Source: Hawaii State Department of Commerce and Consumer Affairs, Boxing Commission, records.

Table 7.54-- DOG LICENSES ISSUED, BY ISLANDS: 1993 TO 2001

[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
2001	31,068	5,919	2/ 4,285	(NA)	(NA)	18,761	2,103

NA Not available.

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/ From year 2000 Maui County reported data in fiscal year, in 2001 Maui County reported 674 licenses issued which includes Lanai and Molokai figures and animal shelter data obtained for the same period were 3,611.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from the County Departments of Finance; Hawaiian Humane Society (for Oahu, 1995-2001); and Maui Humane Society (for Maui in 2000-2001).

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: 2001*, Section 7.

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, REGISTERED VOTERS, AND
VOTES CAST IN GENERAL ELECTIONS:
1992 TO 2000**

Subject	1992	1994	1996	1998	2000
Persons of voting age 1/ (1,000)	861	875	886	902	2/ 909
Registered voters (1,000)	464	489	545	601	637
Percent	53.9	55.9	61.5	66.6	70.1
Votes cast (1,000)	383	377	370	413	371
Percent	44.5	43.1	41.8	45.8	40.8

1/ Resident population 18 years and over, including Armed Forces stationed in Hawaii, aliens, and institutional population. November estimates.

2/ Projected.

Source: U.S. Census Bureau, <<http://www.census.gov/population/socdemo/voting/proj00/tab03.txt>>, *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*, internet release date: July 31, 2000; *The State of Hawaii Data Book 2000*, table 8.05.

**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* <<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 Reform	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-- 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 8.14-- 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 8.15-- PARTY MEMBERSHIP OF THE STATE LEGISLATURE:
1987 TO 2001**

Regular session	House of Representatives				Senate			
	Total	Democrats	Republicans	Other	Total	Democrats	Republicans	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	-
2001	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* <<http://www.capitol.hawaii.gov/site1/house/members/members.asp?press1=house&press2=members>> accessed January 29, 2002.

Table 8.16-- PARTY MEMBERSHIP OF COUNTY COUNCILS: 1999 AND 2001

[As of January]

County	Total seats	Democrats		Republicans		Hawaii Green		Nonpartisan	
		1999	2001	1999	2001	1999	2001	1999	2001
All counties	34	13	6	4	2	1	1	16	25
Hawaii	9	6	6	2	2	1	1	-	-
Maui	9	7	-	2	-	-	-	-	9
Honolulu	9	-	-	-	-	-	-	9	9
Kauai	7	-	-	-	-	-	-	7	7

Source: Hawaii State Office of Elections, records.

Table 8.17-- LENGTH OF LEGISLATIVE SESSIONS: 1991 TO 2001

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
2001	Jan. 17	107	7/ June 4	8/ 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).

7/ The Second Special Session of 2001 convened July 10 and the Third Special Session of 2001 convened on Oct. 22.

8/ Combined length for the First Special Session (5 days), Second Special Session (1 day), and Third Special Session (12 days).

Source: Legislative Reference Bureau, records.

**Table 8.18-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION:
2001**

Action	2001 Session			
	Regular	Special	2nd Special	3rd Special
House bills:				
Carried over from previous year	-	-	-	-
Introduced	1,691	4	-	23
Passed 1/	170	2	-	6
Vetoed	18	-	-	-
Became law 2/	152	2	1	6
Senate bills:				
Carried over from previous year	-	-	-	-
Introduced	1,640	4	-	27
Passed 1/	179	1	-	9
Vetoed	15	-	-	-
Became law	164	1	-	9
House resolutions:				
Offered	202	2	2	2
Adopted	64	2	2	2
House concurrent resolutions:				
Offered	205	-	-	18
Adopted	27	-	-	13
Senate resolutions:				
Offered	112	2	2	2
Adopted	57	2	2	2
Senate concurrent resolutions:				
Offered	160	-	-	16
Adopted	51	-	-	16

1/ The 2001 Second Special Session total includes H.B. 236 became law without the Governor's signature because it was vetoed then the veto was overridden.

Source: 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: 2001*, Sections 8 and 9.

**Table 9.01-- FEDERAL, STATE, AND COUNTY TAX COLLECTIONS:
1980 TO 2001**

[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	9,628,577	5,566,221	4,062,356	3,334,087	728,269
2000	10,483,283	6,236,857	4,246,426	3,496,500	749,926
2001	(NA)	6,689,385	(NA)	(NA)	(NA)

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/96CR_3CL.exe>; for 1997

<http://www.irs.ustreas.gov/tax_stats/97CR_3CL.exe> and *IRS Data Book* (annual) and

<http://www.irs.treas.gov/prod/tax_stats/other_ia.html>; for 2001

<<http://www.irs.ustreas.gov/pub/irs-soi/01db06co.xls>> accessed July 15, 2002.

Table 9.02-- FEDERAL TAX COLLECTIONS, BY SOURCE: 1997 to 2001

[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. 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). Collections are gross, i.e. not net of refunds. For refunds, see table 9.17]

Source	1997 1/	1998	1999	2000	2001
Federal collections	(NA)	4,690,970	5,566,221	6,236,857	6,689,385
Corporate income and excess profits	(NA)	390,821	586,558	501,902	348,429
Indiv. income and employment	(NA)	4,123,307	4,782,537	5,562,189	6,026,480
Income tax not withheld & SECA 2/	(NA)	1,037,358	1,040,769	1,243,348	1,347,770
Income tax withheld & FICA 3/	(NA)	3,066,906	3,722,624	4,298,895	4,652,610
Railroad retirement	(NA)	1	4	4	2
Unemployment insurance	(NA)	19,043	19,140	19,942	26,097
Estate	(NA)	92,817	101,810	63,159	81,105
Gift	(NA)	12,882	7,770	8,607	10,960
Excise 4/	(NA)	71,143	87,545	101,000	222,411

NA Not available.

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/96CR_3CL.exe>; for 1997 <http://www.irs.ustreas.gov/tax_stats/97CR_3CL.exe>; for 1998-2000, *IRS Data Book 1998, 1999, 2000* <http://www.irs.ustreas.gov/prod/tax_stats/soi/other_ia.html> accessed January 25, 2002; and 2001 <<http://www.irs.ustreas.gov/pub/irs-soi/01db06co.xls>> accessed July 15, 2002.

**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://cfo.dc.gov/services/studies/index.shtm>> accessed July 9, 2002.

**Table 9.05-- ESTIMATED TAX FREEDOM DAY FOR THE UNITED STATES,
EACH OF THE 50 STATES AND WASHINGTON, D.C.: 2002**

[Rank is among the 50 states where 50 indicates the earliest Tax Freedom Day in the year 2002. 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	April 27	(NA)	117	80	37
Alaska	April 8	50	98	75	23
Oklahoma	April 15	49	105	69	36
West Virginia	April 16	48	106	68	38
Alabama	April 16	47	106	73	33
Tennessee	April 16	46	106	76	30
North Dakota	April 17	45	107	70	37
South Dakota	April 18	44	108	75	33
Mississippi	April 18	43	108	69	39
Montana	April 18	42	108	72	36
Louisiana	April 19	41	109	71	38
South Carolina	April 20	40	110	74	36
Kentucky	April 20	39	110	72	38
Missouri	April 20	38	110	75	35
Idaho	April 20	37	110	72	38
Texas	April 20	36	110	78	32
North Carolina	April 20	35	110	74	36
New Mexico	April 21	34	111	72	39
Oregon	April 21	33	111	77	34
Iowa	April 21	32	111	74	37
Indiana	April 22	31	112	76	36
Hawaii	April 22	30	112	70	42
Maryland	April 23	29	113	78	35
Pennsylvania	April 23	28	113	78	35
Utah	April 23	27	113	73	40
Arkansas	April 24	26	114	73	41
Virginia	April 24	25	114	80	34
Colorado	April 24	24	114	81	33
Kansas	April 24	23	114	77	37
Georgia	April 24	22	114	77	37
New Hampshire	April 25	21	115	84	31
Ohio	April 25	20	115	75	40
Nebraska	April 25	19	115	76	39
Arizona	April 25	18	115	79	36
Delaware	April 25	17	115	78	37

Continued on next page.

**Table 9.05-- ESTIMATED TAX FREEDOM DAY FOR THE UNITED STATES,
EACH OF THE 50 STATES AND WASHINGTON, D.C.: 2002- Con.**

Area	Tax Freedom Day	Rank	Number of Days		
			Total Taxes	Federal Taxes	State/Local Taxes
Vermont	April 27	16	117	78	39
Florida	April 27	15	117	83	34
Nevada	April 27	14	117	84	33
Rhode Island	April 28	13	118	77	41
Massachusetts	April 28	12	118	84	34
Maine	April 29	11	119	73	46
California	April 29	10	119	82	37
Illinois	April 29	9	119	83	36
Michigan	April 29	8	119	80	39
Minnesota	April 29	7	119	78	41
Wisconsin	May 1	6	121	78	43
Wyoming	May 4	5	124	89	35
New Jersey	May 5	4	125	88	37
New York	May 6	3	126	82	44
Washington	May 9	2	129	91	38
Connecticut	May 14	1	134	95	39
District of Columbia	May 17	(NA)	137	87	50

NA Not available.

Source: Tax Foundation, Special Report No. 112, *"America Celebrates Tax Freedom Day: In 2002, Americans Will Work from January 1 to April 27 Before Earning Enough To Pay Taxes, Two Days Earlier Than in 2001"*, Table 1 "Tax Freedom Day & Total Effective Tax Rates by Level of Government Calendar Years 1900–2002" (April, 2001) and <<http://www.taxfoundation.com>> accessed May 22, 2002.

Table 9.06-- 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 9.07-- HAWAII STATE GOVERNMENT FINANCES: 1998-2000

[Thousands of dollars. Fiscal year ended June 30]

Category 1/	1998	1999	2000
Total revenue	6,760,740	6,646,380	6,940,637
General revenue	5,473,742	5,614,565	5,728,976
Intergovernmental revenue	1,175,599	1,265,044	1,128,102
Taxes	3,176,246	3,166,663	3,334,743
General sales	1,425,352	1,447,278	1,536,276
Selective sales	486,399	468,143	515,636
License taxes	92,647	93,425	110,917
Individual income	1,083,388	1,068,974	1,064,317
Corporation net income	61,755	52,414	75,271
Other taxes	26,705	36,429	32,326
Current charges	793,513	801,355	845,011
Miscellaneous general revenue	328,384	381,503	421,120
Insurance trust revenue	1,286,998	1,031,815	1,211,661
Total expenditure	5,860,425	6,265,729	6,604,609
General expenditure, by function:	5,261,479	5,650,751	5,975,493
Education	1,636,140	1,778,197	1,853,805
Public welfare	919,329	948,103	1,033,386
Hospitals	231,668	184,901	192,039
Health	269,974	354,006	398,125
Highways	248,700	282,399	226,137
Police protection	6,966	6,871	4,953
Correction	120,854	134,302	154,622
Natural resources	87,103	72,549	79,575
Parks and recreation 2/	49,939	36,176	45,851
Governmental administration	273,181	289,794	316,283
Interest on general debt	345,596	486,789	482,948
Other and unallocable	1,072,029	1,076,664	1,187,769
Utility expenditure	-	-	-
Liquor stores expenditure	-	-	-
Insurance trust expenditure	598,946	614,978	629,116
General expenditure	5,261,479	5,650,751	5,975,493
Intergovernmental expenditure	147,059	153,220	157,902
Direct expenditure	5,114,420	5,497,531	5,817,591
Debt at end of fiscal year	5,709,739	5,421,316	5,592,207
Cash and security holdings	11,719,346	13,453,067	12,773,187

1/ Utility revenues and Liquor stores revenues and expenditures are zero.

Source: U.S. Department of Commerce, <<http://www.census.gov/govs/state/98sthi.html>>; <<http://www.census.gov/govs/state/99sthi.html>> and <<http://www.census.gov/govs/www/state00.html>> accessed July 15, 2002.

Table 9.08-- HAWAII STATE GOVERNMENT FINANCES: 2000

[Amount in thousands of dollars, per capita in dollars. Fiscal year ended June 30]

Category 1/	Amount	Percent distribution	Per capita
Total revenue	6,940,637	100.00	5,726.60
General revenue	5,728,976	82.54	4,726.88
Intergovernmental revenue	1,128,102	16.25	930.78
Taxes	3,334,743	48.05	2,751.44
General sales	1,536,276	22.13	1,267.55
Selective sales	515,636	7.43	425.44
License taxes	110,917	1.60	91.52
Individual income	1,064,317	15.33	878.15
Corporation net income	75,271	1.08	62.10
Other taxes	32,326	0.47	26.67
Current charges	845,011	12.17	697.20
Miscellaneous general revenue	421,120	6.07	347.46
Insurance trust revenue	1,211,661	17.46	999.72
Total expenditure	6,604,609	100.00	5,449.35
General expenditure, by function:	5,975,493	90.47	4,930.27
Education	1,853,805	28.07	1,529.54
Public welfare	1,033,386	15.65	852.63
Hospitals	192,039	2.91	158.45
Health	398,125	6.03	328.49
Highways	226,137	3.42	186.58
Police protection	4,953	0.07	4.09
Correction	154,622	2.34	127.58
Natural resources	79,575	1.20	65.66
Parks and recreation	45,851	0.69	37.83
Governmental administration	316,283	4.79	260.96
Interest on general debt	482,948	7.31	398.47
Other and unallocable	1,187,769	17.98	980.01
Insurance trust expenditure	629,116	9.53	519.07
General expenditure	5,975,493	90.47	4,930.27
Intergovernmental expenditure	157,902	2.39	130.28
Direct expenditure	5,817,591	88.08	4,799.99
Debt at end of fiscal year	5,592,207	100.00	4,614.03
Cash and security holdings	12,773,187	100.00	10,538.93

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/00st12hi.html>> accessed July 15, 2002.

Table 9.09-- STATE GOVERNMENT REVENUES: 1999 AND 2000

[Data rounded to thousands of dollars. For fiscal years ended June 30]

Source of revenues	Fiscal 1999			Fiscal 2000		
	Total	General Fund	Special Funds	Total	General Fund	Special Funds
	Total 1/	5,934,625	3,183,368	2,751,257	6,054,903	3,227,531	2,827,372
Tax revenues	3,220,828	2,860,589	360,239	3,395,513	2,965,704	429,809
General excise	1,447,994	1,447,994	-	1,536,276	1,528,987	7,289
Specific excises 2/	393,231	254,561	138,670	420,922	269,444	151,478
Individual income	1,067,080	1,067,080	-	1,064,303	1,064,303	-
Corporate income	43,201	43,201	-	68,215	68,215	-
Transient accommodations	54,785	2,495	-	93,049	-	93,049
Unemployment compensation	147,363	-	147,363	148,525	-	148,525
Other taxes, licenses, permits 3/	67,174	45,258	21,916	64,223	34,755	29,468
Federal Grants-in-Aid	1,262,336	3,288	1,259,048	1,064,471	2,834	1,061,637
Fines & Forfeitures	22,854	18,286	4,568	25,249	18,135	7,114
Rents, Royalties & Land Inc. 4/	137,225	5,070	132,155	139,008	5,321	133,687
Revenues from Other Agencies	53,460	10,149	43,311	97,812	9,918	87,894
Earnings: General Dept.	563,969	100,973	462,996	634,311	111,535	522,776
Auxiliary Enterprises	57,095	-	57,095	67,961	-	67,961
Public Service Enterprises	217,751	-	217,751	222,755	-	222,755
Interest Earned	191,435	63,087	128,348	183,617	33,443	150,174
Miscellaneous	207,672	121,926	85,746	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 9.10-- 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 9.11-- COUNTY GOVERNMENT OPERATING REVENUES,
BY SOURCE: 1999**

[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/	1,406,167	998,634	158,925	165,122	83,486
Taxes	714,185	489,578	89,101	97,224	38,281
Real property taxes	594,558	402,827	74,812	84,792	32,127
Liquid fuel	60,392	44,518	7,442	5,900	2,532
Utility franchise	28,042	18,770	3,469	3,953	1,851
Motor vehicle weight	31,193	23,463	3,379	2,579	1,772
Liquor licenses and fees	5,231	2,456	1,419	962	395
Parking meter fees	4,040	4,024	-	16	-
Other 2/	27,482	20,438	2,779	3,411	855
Fines, forfeits, and penalties	1,631	456	823	352	-
Departmental earnings 3/	285,807	234,765	26,556	14,858	9,628
Mass transit	28,663	28,663	-	-	-
State grants	109,583	44,725	22,337	28,122	14,399
Unrestricted 4/	84,360	37,398	19,335	15,773	11,853
Others	25,223	7,327	3,002	12,348	2,545
Federal grants	111,755	67,026	11,087	14,441	19,201
Hawaii Housing Authority	35	-	35	-	-
Miscellaneous	117,757	106,503	4,789	5,737	729

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 9.12-- COUNTY GOVERNMENT OPERATING REVENUES,
BY SOURCE: 2001**

[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/	1,429,856	984,642	184,728	169,639	90,847
Taxes	723,088	474,214	104,112	98,351	46,411
Real property taxes	590,069	380,098	88,078	84,240	37,653
Liquid fuel	63,434	46,078	7,414	6,450	3,491
Utility franchise	34,662	22,810	4,719	4,776	2,357
Motor vehicle weight	34,924	25,228	3,901	2,884	2,910
Liquor licenses and fees	5,505	2,537	1,925	698	345
Parking meter fees	4,212	4,193	-	19	-
Other 2/	37,422	28,535	3,775	3,829	1,283
Fines, forfeits, and penalties	1,531	366	822	343	-
Departmental earnings 3/	304,111	237,919	34,716	18,769	12,707
Mass transit	27,851	27,851	-	-	-
State grants	106,123	40,055	25,422	27,284	13,362
Unrestricted 4/	80,737	35,641	18,555	15,032	11,509
Others	25,386	4,414	6,867	12,251	1,853
Federal grants	115,407	73,791	8,677	17,100	15,840
Hawaii Housing Authority	31	-	31	-	-
Miscellaneous	104,574	95,181	5,248	3,245	900

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: 2001**

[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)	185,655	166,230	86,751
General government:					
Control	(NA)	(NA)	4,127	3,067	1,860
Staff	(NA)	(NA)	16,457	16,380	12,937
Public safety:	(NA)	(NA)	-	-	-
Police and fire	(NA)	(NA)	35,557	47,852	15,625
Other protection	(NA)	(NA)	6,142	12,877	2,767
Highways	(NA)	(NA)	9,085	6,714	5,536
Health and sanitation	(NA)	(NA)	16,741	12,697	8,283
Public welfare	(NA)	(NA)	-	-	-
Public schools	(NA)	(NA)	18,891	12,742	10,712
Recreation	(NA)	(NA)	-	41	17
Interest	(NA)	(NA)	15,942	12,030	4,494
Bond redemption	(NA)	(NA)	10,594	8,259	3,347
Pension and retirement	(NA)	(NA)	12,034	8,903	3,344
Salary adjustment	(NA)	(NA)	3,346	3,862	1,829
Econ. and urban devel. 2/	(NA)	(NA)	-	1,775	-
Mass transit 3/	(NA)	(NA)	-	-	401
Miscellaneous	(NA)	(NA)	22,017	15,630	7,938
Cash capital improvements	(NA)	(NA)	14,723	3,400	7,662

NA Not available. Estimates for the City and County of Honolulu were not available by closing date for *State of Hawaii Data Book 2001*. 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 2000**

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	1,093,731	22,327,292	39,969	20,414
2000	572,178	1,110,699	23,929,238	41,821	21,544

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>>; *Spring 2001* (p. 235) <<http://ftp.fedworld.gov/irs-soi/99in12hi.xls>> accessed July 28, 2001; *Spring 2002* (forthcoming) and <<http://www.irs.ustreas.gov/pub/irs-soi/00in12hi.xls>> accessed July 15, 2002; 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 1999 AND 2000**

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)
1999					
All returns	558,612	22,327,292	450,719	2,989,312	6,632
Under \$20,000 2/	222,951	1,683,633	3/ 126,847	107,425	847
\$20,000 under \$30,000	85,679	2,121,327	3/ 77,339	160,242	2,072
\$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	...	...	...	...
2000					
All returns	572,178	23,929,238	464,713	3,281,126	7,061
Under \$20,000 2/	222,194	1,688,249	127,132	107,842	850
\$20,000 under \$30,000	87,354	2,161,736	78,741	161,827	2,092
\$30,000 under \$50,000	108,158	4,218,157	104,926	399,433	3,807
\$50,000 under \$75,000	75,867	4,644,084	75,406	512,499	6,797
\$75,000 under \$100,000	38,642	3,325,302	38,592	440,517	11,415
\$100,000 under \$200,000	31,978	4,138,524	31,935	712,249	22,303
\$200,000 or more	7,520	2,499,159	7,981	946,760	118,627
Median income	27,314	...	...	...	...

1/ Filed in following year.

2/ Includes returns with adjusted gross deficit.

3/ Revised.

Source: U.S. Treasury Department, Internal Revenue Service, *SOI Bulletin*,
<<http://ftp.fedworld.gov/pub/irs-soi/99in12hi.exe>> and <<http://ftp.fedworld.gov/pub/irs-soi/00in12hi.xls>>
accessed July 24, 2002; and calculations by Hawaii State Department of Business, Economic Development &
Tourism.

Table 9.16-- CHARACTERISTICS OF INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEARS 1999 AND 2000

Subject	1999		2000	
	Number of returns	Amount (\$1,000)	Number of returns	Amount (\$1,000)
All returns and adj. gross income (AGI)	558,612	22,327,292	572,178	23,929,238
Salaries and wages	463,902	15,811,378	475,469	16,772,207
Taxable interest income	361,528	638,520	367,098	724,088
Tax-exempt interest income	23,438	217,823	21,951	165,270
Dividends	152,322	480,503	161,773	559,918
Business or prof. net income (less loss)	80,317	846,444	82,237	913,144
Net capital gain (less loss)	129,783	1,633,197	139,766	1,741,105
Taxable Indiv. Retire. Arrangements distrib.	43,924	417,173	45,284	468,198
Taxable pensions and annuities	103,930	1,855,241	106,812	1,967,288
Taxable Social security benefits	48,124	395,744	52,945	468,544
Total statutory adjustments	95,145	231,737	98,647	262,851
Self-employment retirement plans	6,067	50,779	6,284	56,770
Standard deductions	372,194	1,995,651	378,997	2,067,165
Itemized deductions	186,421	3,524,519	193,181	3,788,472
Medical & dental expenses	30,164	150,060	32,520	166,854
Taxes paid	185,563	1,015,291	192,037	1,072,340
Interest paid	145,362	1,750,616	149,226	1,877,484
Contributions	167,001	413,605	173,238	445,856
Taxable income	453,939	14,858,802	468,093	16,093,155
Total tax credits	149,038	133,605	155,514	137,282
Child care credit	27,593	9,974	108,831	10,330
Earned income credit	66,632	91,758	67,500	94,456
Excess earned income credit (refundable)	53,966	78,123	54,444	80,397
Income tax	432,705	2,843,071	446,616	3,123,547
Tax liability	450,719	2,989,312	464,713	3,281,126
Tax due at time of filing	128,580	381,764	138,572	409,626
Overpayments (negative amount)	394,353	588,481	399,032	618,342

Source: U.S. Treasury Department, Internal Revenue Service, *SOI Bulletin*
 <<http://ftp.fedworld.gov/irs-soi/99in12hi.xls>> and
 <<http://ftp.fedworld.gov/irs-soi/00in12hi.xls>> accessed July 24, 2002.

Table 9.17-- INTERNAL REVENUE SERVICE OPERATIONS: 1997 TO 2001

Subject	1997 1/	1998	1999	2000	2001
Total number of returns filed	(NA)	1,028,339	1,006,838	1,014,244	1,008,925
Individual income tax	(NA)	551,494	553,475	557,444	570,844
Estate and trust income tax	(NA)	12,222	12,256	12,619	12,448
Partnership tax	(NA)	6,322	6,697	6,717	6,947
Corporate income tax	(NA)	26,565	25,644	25,348	25,232
Estate	(NA)	559	569	569	564
Gift tax	(NA)	1,433	1,536	1,769	1,654
Employment taxes	(NA)	122,775	115,262	109,200	109,268
Excise tax	(NA)	1,085	941	1,082	995
Other	(NA)	305,884	290,458	299,496	280,973
Total no. of returns filed electronically	(NA)	(NA)	(NA)	(NA)	(NA)
Individual income tax	(NA)	(NA)	104,480	124,206	140,941
Total number of refunds issued	(NA)	306,583	421,463	423,032	804,860
Corporate income tax	(NA)	3,039	2,882	2,577	2,386
Individual income tax	(NA)	2/ 295,943	410,665	412,972	795,103
Employment taxes	(NA)	7,489	7,649	7,209	7,071
Estate tax	(NA)	82	114	114	124
Gift tax	(NA)	14	15	5	20
Excise tax	(NA)	19	138	155	156
Total amount of refunds issued (\$1,000)	(NA)	394,335	611,080	633,783	813,597
Corporate income tax	(NA)	26,564	31,352	23,946	25,828
Individual income tax	(NA)	359,750	567,985	600,949	776,740
Employment taxes	(NA)	6,111	6,696	5,676	5,196
Estate tax	(NA)	1,572	4,594	2,530	5,050
Gift tax	(NA)	95	232	-25	310
Excise tax	(NA)	243	221	707	473

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/ Revised.

Source: Internal Revenue Service, *Data Book, 1997, 1998, 1999, 2000 and 2001*; and <http://www.irs.ustreas.gov/taxstats/display/0,,i1%3D40%26genericId%3D16913,00.html> accessed August 12, 2002.

**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.

092200u, 01-23-02

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 2001) and <<http://www.state.hi.us/tax>>

**Table 9.23-- GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS:
2000 AND 2001**

[In thousands of dollars. Data are on a cash basis accounting]

Source of revenue	Tax base		Tax collections	
	2000	2001	2000	2001
All sources	53,465,430	54,565,481	1,611,446	1,660,764
Sources taxed at 4 percent	36,720,731	37,773,156	1,468,829	1,510,926
Retailing	17,453,936	17,823,297	698,157	712,932
Services	6,045,695	6,426,452	241,828	257,058
Contracting	3,613,485	3,766,404	144,539	150,656
Theater, amusement, radio	253,484	249,098	10,139	9,964
Interest	251,433	251,986	10,057	10,079
Commissions	805,890	781,688	32,236	31,268
Hotel rentals	2,419,287	2,421,813	96,771	96,873
All other rentals	3,886,038	3,939,186	155,442	157,567
Use (4 percent)	613,025	627,937	24,521	25,117
All others (4 percent)	1,378,458	1,485,296	55,138	59,412
Sources taxed at other rates 1/	16,744,698	16,792,325	79,784	80,216
Insurance solicitors	1,125,457	1,070,236	1,688	1,605
Sugar processing	15,436	1,640	77	8
Pineapple canning	4,732	3,671	24	18
Producing	519,272	499,896	2,596	2,499
Manufacturing	586,039	611,292	2,930	3,056
Wholesaling	9,082,585	9,171,140	45,413	45,856
Services (intermediary)	378,574	322,183	1,893	1,611
Use (1/2 percent)	5,032,604	5,112,268	25,163	25,561
Unallocated net collections 2/	(X)	(X)	62,832	69,622

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 2001

[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
2001	61,282,238	3,226,138

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 2001

[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	2001	39,379

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 2002

Rank	Taxpayer	Original debit 1/ (dollars)	Land area (acres)	Gross assessed value 2/ (dollars)
	Top 20 real property taxpayers	84,060,973	73,784.60	11,624,932,900
1	Bishop Estate	15,907,132	27,171.99	3,706,701,600
2	Queen's Medical Center et al	8,784,336	2,175.05	1,052,577,900
3	GCP Ala Moana LLC	7,182,629	62.85	778,682,500
4	Kyo-Ya Co Ltd.	6,662,907	14.26	670,045,300
5	Hilton Hawn Village Joint Venture	6,150,329	19.86	617,502,900
6	James Campbell Corporation	4,985,234	22,086.70	624,285,700
7	Liliuokalani Trust	4,835,715	96.19	630,227,400
8	Damon, Samuel M. Jr. Estate	4,498,387	3,966.08	496,947,000
9	Dole Food Company	3,292,868	16,734.19	437,369,900
10	Outrigger Hotels Hawaii	2,734,134	8.51	279,085,300
11	Pacific Century	2,562,325	148.68	424,896,700
12	Loyalty Development	2,364,801	93.36	286,911,100
13	Victoria Ward Ltd.	2,285,841	61.14	248,890,200
14	Steiner Family Ltd. Partnership	2,024,305	2.00	203,243,500
15	MFD Partners	1,902,918	5.64	204,895,500
16	Weinberg, Harry Foundation	1,779,550	37.79	263,806,600
17	First Hawaiian Inc	1,755,542	20.22	209,368,900
18	Bishop Square Associates	1,622,496	2.92	175,405,000
19	Forward One LLC	1,470,511	1.64	148,775,400
20	Kuilima Resort Co.	1,259,012	1,075.52	165,314,500

1/ Original debit as of July 24, 2001.

2/ Land and improvements. Assessed valuation as of October 1, 2000. Valuation at 100 percent of market value.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, 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, and *Ibid. 1999* (July 2000), table 4, and <<http://cfo.dc.gov/services/studies/99STUDY2.pdf>> and *Ibid. 2000*, table 4 and <http://cfo.dc.gov/services/studies/00tax_rates.pdf> accessed July 9, 2002.

**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 2001

[In millions of dollars. For fiscal years ended September 30]

Fiscal year	Amount	Percentage Change from Year Previous	Fiscal year	Amount	Percentage Change from Year Previous
1986	4,647	1.5	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	2001	9,722	7.8

Source: U.S. Bureau of the Census, *Consolidated Federal Funds, Fiscal Year by State* (annual), April 23, 2002 <<http://www.census.gov/prod/2002pubs/01cfr.pdf>> and <<http://www.census.gov/govs/www/cfr01.html>> accessed August 1, 2002.

**Table 9.35-- FEDERAL EXPENDITURES IN HAWAII,
BY TYPE: 1996 TO 2001**

[In millions of dollars and percent. For fiscal years ended September 30]

Type of expenditure	1996	1997	1998	1999	2000	2001
All categories	7,990	8,159	8,442	8,568	9,015	9,722
Grants to State and local governments	1,105	1,137	1,190	1,335	1,348	1,514
Salaries and wages	2,409	2,330	2,557	2,436	2,429	2,525
Retirement and disability	2,139	2,262	2,348	2,430	2,583	2,798
Procurement	1,027	1,077	1,053	1,141	1,278	1,467
Other direct payments	1,311	1,352	1,293	1,226	1,377	1,419
Department of Defense	3,258	3,179	3,394	3,356	3,473	3,728
Other federal agencies	4,732	4,981	5,048	5,212	5,542	5,995

Type of expenditure	1996	1997	1998	1999	2000	2001
All categories	7.2	2.1	3.5	1.5	5.2	7.8
Grants to State and local governments	2.0	2.9	4.7	12.2	1.0	12.3
Salaries and wages	4.3	-3.3	9.7	-4.7	-0.3	4.0
Retirement and disability	4.7	5.8	3.8	3.5	6.3	8.3
Procurement	32.2	4.9	-2.2	8.4	12.0	14.8
Other direct payments	6.2	3.1	-4.4	-5.2	12.3	3.0
Department of Defense	12.3	-2.4	6.8	-1.1	3.5	7.3
Other federal agencies	4.0	5.3	1.3	3.2	6.3	8.2

Source: U.S. Bureau of the Census, *Consolidated Federal Funds, Fiscal Year by State* (annual), April 23, 2002 <<http://www.census.gov/prod/2002pubs/01cffr.pdf>> and <<http://www.census.gov/govs/cffr/01cffhi.txt>> accessed August 1, 2002.

Table 9.36-- PER CAPITA DIRECT FEDERAL EXPENDITURES IN THE UNITED STATES AND HAWAII, BY TYPES: 2001

[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	6,267.81	8,024.72	128.0	6
Retirement and disability	2,112.09	2,309.55	109.3	15
Other direct payments	1,431.01	1,170.91	81.8	37
Grants to State and local governments	1,188.60	1,249.37	105.1	20
Procurement	871.95	1,210.78	138.9	6
Salaries and wages	664.16	2,084.11	313.8	2
Department of Defense	903.01	3,076.76	340.7	2
All other Federal agencies	5,364.80	4,947.96	92.2	35

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 2001* (April 2002), tables 10 and 12, and <<http://www.census.gov/prod/2002pubs/01cfr.pdf>> accessed August 1, 2002; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.37-- DIRECT FEDERAL EXPENDITURES OR OBLIGATIONS IN HAWAII, BY COUNTY: 2001

[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	9,722,242	7,775,634	730,693	326,841	475,267	413,807
Defense	3,727,607	3,551,346	37,954	94,018	44,289	-
Non-defense	5,994,635	4,224,288	692,739	232,823	430,978	413,807
Retirement and disability payments	2,798,105	2,132,265	333,131	114,332	212,376	6,002
Social Security	1,895,735	1,345,783	270,918	96,275	182,759	-
Federal	766,878	686,642	40,662	13,454	20,118	6,002
Veterans benefit payments	109,986	80,538	16,970	4,185	8,293	-
All other	25,506	19,301	4,580	418	1,206	-
Other direct payments.	1,418,602	800,494	157,368	63,207	99,459	298,075
Other direct payments for individuals	1,276,513	781,156	150,933	62,832	96,441	185,152
Food Stamps	149,759	97,361	33,009	7,375	12,013	-
Medicare	752,671	555,684	89,818	39,420	67,750	-
Unemployment Compensation Benefits	104,755	-	-	-	-	104,755
Excess Earned Income Tax Credits	80,397	-	-	-	-	80,397
Lower Income Housing Assistance - Section 8 Moderate Rehabilitation	144,037	94,584	19,308	15,236	14,908	-
All other	44,894	33,527	8,797	801	1,770	-
Direct Payments Other Than For Individuals	142,089	19,338	6,435	374	3,018	112,923

Continued on next page.

Table 9.37 -- DIRECT FEDERAL EXPENDITURES OR OBLIGATIONS IN HAWAII, BY COUNTY: 2001 --Con.

Area	Total	City and County of Honolulu	Hawaii County	Kauai County	Mauai County 1/	State undistributed
Total grant awards	1,513,654	1,107,914	175,677	45,597	74,736	109,730
Highway Planning and Construction	189,382	71,969	73,422	14,742	21,230	8,018
Family Support Payments to States (AFDC+TANF)	103,850	73,108	18,798	4,155	7,789	-
Medical Assistance Program (Medicaid)	376,583	292,407	41,579	19,007	23,589	-
Other	843,840	670,430	41,879	7,693	22,127	101,711
Procurement contract awards	1,466,901	1,310,057	16,562	79,146	61,137	-
Defense	1,294,425	1,182,789	5,988	73,872	31,776	-
Non-defense	172,476	127,268	10,574	5,274	29,361	-
Salaries and wages	2,524,979	2,424,904	47,955	24,559	27,561	-
Defense	2,136,213	2,107,123	11,430	14,221	3,439	-
Non-defense	388,766	317,781	36,525	10,338	24,122	-
US Postal Service	167,081	133,844	13,980	5,895	13,362	-
Other	221,685	183,937	22,545	4,443	10,760	-
Other federal assistance	5,589,855	3,342,890	455,423	441,785	1,254,299	95,458
Direct loans	25,402	8,388	9,276	2,378	5,359	-
Guaranteed loans	432,211	214,421	55,955	7,769	74,899	79,167
Insurance	5,132,243	3,120,080	390,193	431,637	1,174,041	16,291

1/ Includes Kalawao County.

Source: U.S. Bureau of the Census, *Consolidated Federal Funds Report for Fiscal Year 2001* (April 2002) p. 37, <<http://www.census.gov/prod/2002pubs/01cffi.pdf>> and <<http://www.census.gov/govs/cffi/01cffi.txt>> accessed August 1, 2002.

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 1989-1999	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 1989-1999	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 9.39-- 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/fisc99/>> accessed July 12, 2002.

**Table 9.40-- PUBLIC BONDED DEBT OF STATE AND COUNTY
GOVERNMENTS: 1985 TO 2001**

[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	3,311.7	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	3,382.2	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	4,484.4	3,394.4	846.3	110.5	100.0	33.2
1991	5,298.0	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	6,924.8	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	7,078.1	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	7,239.3	5,258.1	1,616.2	188.2	139.0	37.8
1998 2/	7,829.9	5,795.5	1,639.2	223.8	133.2	38.3
1999 2/	7,708.5	5,522.8	1,788.6	235.1	126.4	35.7
2000 2/	7,956.3	5,678.3	1,831.6	236.8	149.3	60.4
2001 3/	7,790.9	5,416.5	1,923.4	234.9	141.2	74.8

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. As of June 30.

3/ As of June 30.

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 2001

[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	2001	3,244,857

Source: Hawaii State Department of Accounting and General Services, *State of Hawaii, Comprehensive Annual Financial Report*, Schedule I-2, annual (fiscal years 1994-2001) and records.

Table 9.42-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2001

[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
2001	119,950	30,050	68,150	16,700	(NA)	63,408

NA Not available.

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 2001**

[In number of jobs and hours and thousands of dollars]

Government Function	Employment		Full-time equiv.	Total March	Payroll		Part-time employees (March)	Part-time hours paid (March)
	Full-time	Part-time			Full-time employees	Part-time employees		
Total	63,724	19,985	69,230	207,801	193,453	14,348	952,350	
Financial Administration	1,465	21	1,475	4,592	4,572	21	1,714	
Other Government Admin.	1,768	61	1,792	6,256	6,198	58	4,352	
Judicial and Legal	2,745	78	2,767	9,544	9,454	90	3,908	
Police Protection - Officers	2,805	0	2,805	12,034	12,034	0	0	
Police - Other	785	185	826	2,364	2,296	68	7,250	
Firefighters	1,665	0	1,665	5,890	5,890	0	0	
Fire - Other	76	2	77	228	226	2	174	
Correction	2,448	24	2,463	6,936	6,879	56	2,616	
Streets and Highways	1,680	13	1,685	4,944	4,935	8	970	
Airports	1,099	26	1,110	2,947	2,904	43	2,008	
Water Trans. & Terminals	208	3	209	584	582	2	232	
Welfare	897	47	917	2,545	2,520	25	3,534	
Health	2,607	88	2,641	8,156	8,027	129	6,118	
Hospitals	3,527	280	3,696	11,493	10,943	551	29,506	
Social Ins. Admin. (State)	423	56	449	1,137	1,068	69	4,520	
Solid Waste Management	553	1	553	1,655	1,653	2	76	
Sewerage	747	1	747	2,510	2,510	0	48	
Parks and Recreation	1,707	969	1,962	4,658	4,204	453	45,360	
Hous. & Comm. Dev. (Local)	261	73	300	839	789	50	6,756	

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**Table 9.43--STATE AND LOCAL GOVERNMENT EMPLOYMENT AND PAYROLLS,
BY FUNCTION: MARCH 2001 -- 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	
Natural Resources	1,146	398	1,328	4,399	3,893	506	32,304
Water Supply	1,005	9	1,008	2,983	2,979	5	522
Transit	44	0	44	96	96	0	0
Elem. and Secondary Instruction	23,424	10,538	25,378	67,102	62,072	5,030	324,416
Other Total 1/	18,742	6,601	20,030	55,441	51,697	3,744	213,832
Elem & Sec Admin/Cler 1/	4,682	3,937	5,348	11,661	10,375	1,286	110,584
Elem & Sec Oper/Maint 1/	1/	1/	1/	1/	1/	1/	1/
Elem & Sec Cafeteria 1/	1/	1/	1/	1/	1/	1/	1/
Elem & Sec Health/Rec 1/	1/	1/	1/	1/	1/	1/	1/
Elem & Sec Student 1/	1/	1/	1/	1/	1/	1/	1/
Elem & Sec Unalloc 1/	1/	1/	1/	1/	1/	1/	1/
Higher Educ. - Instructional	2,000	1,419	2,442	11,716	9,574	2,142	78,168
Higher Educ. - Other	3,639	5,258	5,700	17,120	12,376	4,744	364,888
Other Education (State)	140	3	141	422	418	4	240
Local Libraries	490	228	594	1,340	1,202	138	17,242
Other and Unallocable	4,370	204	4,456	13,311	13,157	154	15,428

1/ Detail to be transferred from the "State Government Employment and Payrolls, By Function March 2001" when released.
Source: U.S. Bureau of the Census, State and Local Government Employment and Payrolls, By Function March 2001, July 3, 2002
<<http://www.census.gov/govs/apes/00stflall.xls>> accessed July 3, 2002.

Table 9.44--STATE GOVERNMENT EMPLOYMENT AND PAYROLLS, BY FUNCTION: MARCH 2001

[In number of jobs and hours and thousands of dollars]

Government Function	Employment		Full-time equiv.	Total March	Payroll		Part-time empl.	Part-time hrs paid (March)
	Full-time	Part-time			Full-time employ.	Part-time employ.		
Total	49,771	18,682	54,890	160,375	146,704	13,671	883,650	
Financial Administration	673	6	676	2,055	2,052	2	468	
Other Government Admin.	607	10	611	2,063	2,047	16	812	
Judicial and Legal	2,199	71	2,218	7,461	7,376	85	3,318	
Correction	2,448	24	2,463	6,936	6,879	56	2,616	
Streets and Highways	909	12	914	2,827	2,819	8	936	
Airports	1,099	26	1,110	2,947	2,904	43	2,008	
Water Trans. & Terminals	208	3	209	584	582	2	232	
Welfare	797	45	816	2,307	2,283	24	3,430	
Health	2,412	86	2,446	7,424	7,295	129	6,084	
Hospitals	3,527	280	3,696	11,493	10,943	551	29,506	
Social Ins. Admin. (State)	423	56	449	1,137	1,068	69	4,520	
Parks and Recreation	160	167	205	493	412	81	8,120	
Natural Resources	1,009	354	1,172	3,979	3,521	458	28,808	
Elem. and Sec. Instruction	18,742	6,601	20,030	55,441	51,697	3,744	213,832	
Elem. and Sec. - Other Total	4,682	3,937	5,348	11,661	10,375	1,286	110,584	
Higher Educ. - Instructional	2,000	1,419	2,442	11,716	9,574	2,142	78,168	
Higher Educ. - Other	3,639	5,258	5,700	17,120	12,376	4,744	364,888	
Other Education (State)	140	3	141	422	418	4	240	
Local Libraries	484	228	588	1,321	1,183	138	17,242	
Other and Unallocable	3,613	96	3,656	10,988	10,899	89	7,838	

Source: U.S. Bureau of the Census, State Government Employment And Payroll Data: March 2001, July 3, 2002

<<http://www.census.gov/govs/apes/01stall.xls>> accessed July 3, 2002.

Table 9.45--LOCAL GOVERNMENT EMPLOYMENT AND PAYROLLS, BY FUNCTION: MARCH 2001

[In number of jobs and hours and thousands of dollars]

Government Function	Employment			Payroll			Part-time hrs paid (March)
	Full-time time	Part-time time	Full-time equiv.	Total March	Full-time employ.	Part-time empl.	
Total	13,953	1,303	14,340	47,426	46,749	677	68,700
Financial Administration	792	15	799	2,538	2,519	18	1,246
Other Government Admin.	1,161	51	1,181	4,193	4,151	41	3,540
Judicial and Legal	546	7	549	2,084	2,079	5	590
Police Protection - Officers	2,805	-	2,805	12,034	12,034	-	-
Police - Other	785	185	826	2,364	2,296	68	7,250
Firefighters	1,665	-	1,665	5,890	5,890	-	-
Fire - Other	76	2	77	228	226	2	174
Streets and Highways	771	1	771	2,117	2,117	-	34
Welfare	100	2	101	238	237	1	104
Health	195	2	195	732	732	-	34
Solid Waste Management	553	1	553	1,655	1,653	2	76
Sewerage	747	1	747	2,510	2,510	-	48
Parks and Recreation	1,547	802	1,757	4,164	3,792	372	37,240
Hous. & Comm. Dev. (Local)	261	73	300	839	789	50	6,756
Natural Resources	137	44	156	419	372	47	3,496
Water Supply	1,005	9	1,008	2,983	2,979	5	522
Transit	44	-	44	96	96	-	-
Local Libraries	6	-	6	19	19	-	-
Other and Unallocable	757	108	800	2,322	2,258	65	7,590

Source: U.S. Bureau of the Census, Local Government Employment And Payrolls, By Function: March 2001, July 3, 2002
 <<http://www.census.gov/govs/apes/00local.xls>> accessed July 3, 2002.

**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: 2001

[As of December 31, 2001, unless otherwise indicated]

Bar-gain-ing unit	Union	Job category	Total	State	City &	County	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	58,084	22,639	8,077	1,874	1,705	908	13,707	1,484	4,613	3,077	
1	UPW	Blue-collar nonsupervisors	8,830	5,065	1,957	454	495	329	-	52	-	478	
2	HGEA	Blue-collar supervisors	857	486	236	46	40	16	-	3	-	30	
3	HGEA	White-collar nonsupervisors	13,551	9,286	1,633	524	459	213	-	880	-	556	
4	UPW	White-collar supervisors	600	324	146	30	26	13	-	51	-	10	
5	HSTA	Hawaii State Teachers Assn.	12,934	-	-	-	-	-	12,934	-	-	-	
6	HGEA	Educational officers	773	-	-	-	-	-	773	-	-	-	
7	UHPA	University of Hawaii faculty	3,223	-	-	-	-	-	-	-	3,223	-	
8	HGEA	Admin. & prof. technicians	1,390	-	-	-	-	-	-	-	1,390	-	
9	HGEA	Registered prof. nurses	1,293	423	-	-	-	-	-	1	-	869	
10	UPW	Institutional health & corrections workers	2,783	1,638	186	-	-	-	-	36	-	923	
11	HFFA	Firefighters	1,792	164	1,020	266	225	117	-	-	-	-	
12	SHOPO	Police officers	2,684	-	1,905	360	294	125	-	-	-	-	
13	HGEA	Prof. & scientific workers	7,374	5,253	994	194	166	95	-	461	-	211	

1/ The Hawaii Health Systems Corporation (HHSC) provided the bargaining unit statistics for employees within its jurisdiction to HLRB. These figures had been included in the State of Hawaii totals prior to 2000.

Source: State of Hawaii Labor Relations Board, *HLRB Informational Bulletin No. 40*, June 17, 2002.

**Table 9.49-- SALARIES OF SELECTED GOVERNMENT OFFICIALS:
1997 TO 2002**

[Annual rates, in dollars, as of January 1]

Government official	1997	1998	1999	2000	2001	2002
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	102,000	102,000	110,000	110,000	112,000
Mayor, Hawaii 2/	78,564	78,564	78,564	78,564	78,564	78,564
Mayor, Maui 3/	87,098	87,098	87,098	89,712	89,712	96,000
Mayor, Kauai	73,118	73,118	73,118	73,118	73,118	73,118
Chief Justice, Supreme Court 4/	94,780	94,780	94,780	116,779	116,779	116,779
Assoc. Justice, Supreme Court 4/	93,780	93,780	93,780	115,547	115,547	115,547
President, University of Hawaii 5/	156,060	156,060	167,184	167,184	167,184	442,000

1/ July 1, 1997, increased from \$100,000 to \$102,000; to \$110,000 effective July 1, 2000; and a 2 percent increase to \$112,000 effective July 1, 2001. A resolution to reject the Salary Commission's recommendation to increase to \$115,566 was adopted by the City Council on May 29, 2002.

2/ July 1, 1993, increased from \$76,848 to \$78,564.

3/ On January 1, 2002 the Mayor's salary increased 7 percent from \$89,712 to \$96,000.

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 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 10 of the *Statistical Abstract of the United States: 2001* 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 2001**

[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 3/	78,812	34,462	4/ 28,536	5,926	44,350	25,678
2000: April 1 3/	78,346	35,813	4/ 29,419	6,394	42,533	23,034
2001: July 1	88,966	35,863	32,298	3,565	53,103	(NA)

NA Not available.

1/ Beginning in 1982, ship crews living ashore are included with the total ashore.

2/ Data partly estimated.

3/ Data partly estimated. The total number of navy military personnel does not sum to the total of personnel living in housing units, in barracks and aboard ship. This is because 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 the type of residence columns. Total military personnel figure obtained from the Department of Defense.

4/ Revised.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers; and U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Worldwide Manpower Distribution by Geographical Area, June 30, 2001* <<http://web1.whs.osd.mil/mmids/pubs.htm>> accessed July 1, 2002.

Table 10.03-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES, BY SERVICE AND ISLAND: JULY 1, 2001

Service and island	Personnel and dependents	Military personnel				Dependents in Hawaii	Military families
		Total	Living ashore		Living aboard ship		
			In hsg. units	In barracks			
State total	88,966	35,863	32,298		3,565	53,103	(NA)
Air Force	9,685	3,283	2,600	683	-	1/ 6,402	(NA)
Oahu	(NA)	(NA)	(NA)	(NA)	-	(NA)	(NA)
Maui	(NA)	(NA)	(NA)	(NA)	-	(NA)	(NA)
Army	40,465	1/ 16,016	(NA)	(NA)	-	1/ 24,449	(NA)
Oahu	(NA)	(NA)	(NA)	(NA)	-	(NA)	(NA)
Hawaii	(NA)	(NA)	(NA)	-	-	(NA)	(NA)
Coast Guard	2,561	1,244	1,100	104	40	1,317	556
Oahu	2,475	1,198	1,054	104	40	1,277	536
Hawaii	38	20	20	-	-	18	9
Maui	15	10	10	-	-	5	3
Kauai	33	16	16	-	-	17	8
Marine Corps	13,208	7,038	3,379	3,659	-	6,170	2,854
Oahu	13,203	7,033	3,379	3,654	-	6,170	2,854
Hawaii	5	5	-	5	-	-	-
Navy	23,047	2/ 8,282	5,393	3,528	3,525	14,765	7,305
Oahu	(NA)	(NA)	5,339	3,506	3,525	14,765	7,291
Kauai	(NA)	(NA)	54	22	-	-	14

NA Not available.

1/ Department of Defense figure.

2/ The total number of navy military personnel does not sum to the total of personnel living in housing units, in barracks and aboard ship. This is because 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 the type of residence columns. Total military personnel figure obtained from the Department of Defense.

Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers; and U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Worldwide Manpower Distribution by Geographical Area, June 30, 2001* <<http://web1.whs.osd.mil/mmids/pubs.htm>> accessed July 1, 2002.

**Table 10.04-- DEPARTMENT OF DEFENSE PERSONNEL
AND DEPENDENTS: 1989 TO 2001**

[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
2001	98,895	34,322	48,617	15,956

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. For 2001: *Worldwide Manpower Distribution by Geographical Area, September 30, 2001* (p. 1) and <<http://web1.whs.osd.mil/mmids/m05sep01.pdf>> accessed March 26, 2002.

**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	1/ 62,111	27,200	1/ 23,988	9,744	1/ 1,179
Active Duty Military	1/ 33,930	15,483	1/ 13,958	4,489	-
Civilian	1/ 16,723	4,471	8,999	2,074	1/ 1,179
Reserve & National Guard	11,458	7,246	1,031	3,181	-
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
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

1/ Revised.

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: 2000 and <<http://web1.whs.osd.mil/mmid/I03/fy00/00top.htm>> accessed July 15, 2002.

**Table 10.06-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2001**

[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	64,074	28,604	24,654	9,738	1,078
Active Duty Military	34,958	16,345	14,170	4,443	-
Civilian	16,699	4,455	9,068	2,098	1,078
Reserve & National Guard	12,417	7,804	1,416	3,197	-
<hr/>					
Total expenditures	3,971,136	1,281,706	1,990,748	491,352	207,330
Payroll Outlays - Total	2,626,597	887,117	1,302,042	389,072	48,366
Active duty military	1,412,640	555,730	667,552	189,358	-
Civilian	888,404	209,615	528,752	101,671	48,366
Reserve & National Guard	57,105	30,800	3,704	22,601	-
Retired military	268,448	90,972	102,034	75,442	-
Contracts over \$25,000 - Total	1,307,383	384,619	675,946	93,020	153,798
Supply & equipment	166,011	12,494	7,254	3,134	143,129
RDT & E	60,444	13,717	21,865	24,469	393
Service	770,412	214,312	486,614	59,210	10,276
Construction	307,504	141,084	160,213	6,207	-
Civil function	3,012	3,012	-	-	-
Grants	37,156	9,970	12,760	9,260	5,166
<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	519,813	106,939	78,444
1997	957,353	248,629	533,037	93,845	81,841
1998	889,607	234,446	456,876	99,963	98,322
1999	984,848	231,622	569,599	92,311	91,316
2000	1,159,586	243,817	618,072	168,587	129,110

Continued on next page.

**Table 10.06-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL,
PAYROLLS, AND PRIME CONTRACT AWARDS: 2001-- Con.**

Major locations of expenditures	Total	Payroll outlays	Grants or contracts
Pearl Harbor	1,182,458	765,353	417,105
Schofield Barracks	680,518	441,083	239,435
Honolulu	343,343	188,300	155,043
Hickam AFB	330,805	261,599	69,206
Kaneohe	300,286	248,494	51,792
Tripler Army Medical Center	142,883	104,327	38,556
Fort Shafter	142,074	119,976	22,098
Aiea	139,675	40,975	98,700
Wheeler AFB/Army Field	83,023	76,075	6,948
Kekaha	71,568	1,929	69,639
Major locations of personnel	Total military & civilian	Active duty military	Civilian
Schofield Barracks	12,699	11,718	981
Pearl Harbor	12,407	6,075	6,332
Kaneohe	6,847	6,236	611
Hickam AFB	5,374	3,420	1,954
Tripler Army Medical Center	2,826	1,373	1,453
Fort Shafter	2,337	1,049	1,288
Honolulu	1,879	234	1,645
Wheeler AFB/Army Field	1,816	1,226	590
Kunia	1,495	1,418	77
Camp H.M. Smith	1,045	908	137

Top Ten Contractors receiving the largest dollar volume of prime contract awards			
Contractor Name	Amount	Contractor Name	Amount
1. Dick Corporation	116,512	6. Parsons-UXB Joint Venture	49,293
2. Tesoro Petroleum Corporation	91,256	7. Healy Tibbitts Builders Inc.	40,185
3. ITT Industries, Inc.	68,613	8. Nan, Inc.	39,467
4. Dick Pacific/Shintani	50,695	9. Hunt Building Corporation	37,818
5. The IT Group Inc.	49,589	10. Pacific Marine & Supply Co Ltd.	29,839

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: 2001* and <<http://web1.whs.osd.mil/mmid/103/fy01/atlas.pdf>> accessed July 31, 2002.

**Table 10.07-- DEPARTMENT OF DEFENSE PERSONNEL AND DEPENDENTS,
BY SERVICE: 2000 AND 2001**

[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
2000						
Total	100,826	44,397	31,826	12,679	10,812	1,112
Total military and dependents	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
2001						
Total	98,895	44,683	29,570	12,844	10,755	1,043
Total military and dependents	82,939	40,420	20,919	10,845	10,755	(NA)
Military personnel 1/	34,322	15,709	8,349	4,443	5,821	(NA)
Family members 2/	48,617	24,711	12,570	6,402	4,934	(NA)
Command-sponsored	47,011	24,711	11,746	6,299	4,255	(NA)
Non-command-sponsored	1,606	-	824	103	679	(NA)
Direct-hire civilians 3/	15,956	4,263	8,651	1,999	3/	1,043

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 include Marine Corps with Navy. Dependents of civilian employees are not reported.

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, 2000* (pp. 1, 8, 15, 18, 21, 23, 25, and 28-29) and <<http://web1.whs.osd.mil/mmid/m05sep00.pdf>> accessed June 1, 2001; and *Worldwide Manpower Distribution by Geographical Area, September 30, 2001* (pp. 1, 8, 15, 18, 21, 23, 25, 28, 29, 33, 37, and 41) and <<http://web1.whs.osd.mil/mmid/m05/m05sep01.pdf>> accessed March 28, 2002.

**Table 10.08-- FEDERAL EXPENDITURES FOR ARMY AND AIR
NATIONAL GUARD: 2001**

[In dollars. Fiscal year ended September 30.]

Category	2001
Total Federal support for Army National Guard	65,027,451
Total funds provided by National Guard Bureau (Army)	11,160,260
Total funds allotted to U.S. Property & Fiscal Office for Hawaii	53,828,149
National Guard Personnel Appropriation - Army	19,021,951
Military pay, transportation, and subsistence	18,199,069
Military uniform	499,732
Subsistence	323,150
Oper. and maint., military constr. approp. - Army	33,259,190
Civilian pay	19,006,491
Transportation and travel - Personnel	612,420
Equipment, supplies and service	7,994,737
Ground operations	4,129,356
Air operations	1,208,588
Other operating supplies and services	2,656,793
Construction, repairs, and utilities	5,645,542
Non-armory construction	38,992
Maintenance, repairs, and environmental	4,023,200
Utilities	1,583,350
Total funded by National Guard Bureau	1,586,000
Oper. & maint. Def. Approp.-Army Youth Challenge	1,586,000
Total Federal support for Air National Guard	114,821,669
Total funds allotted to U.S. Property & Fiscal Office for Hawaii	86,900,955
National Guard Personnel Appropriation - Air	1,868,445
Deployments, transportation and travel	1,448,720
Military uniform	127,058
Subsistence	292,667
Oper. and maint., military constr. approp. - Air	85,032,480
Civilian pay	45,751,926
Transportation and travel	1,157,327
Personnel/deployments	1,018,474
Equipment and supplies	138,853
Equipment, supplies and service	36,575,728
Equipment	180,285
Supplies	6,313,714
Reparables	22,459,223
Aviation fuel	4,897,828
Other operating supplies and services	2,724,678
Construction repairs	1,547,499
Minor construction/major repairs	17,384
Operations and maintenance agreements	1,530,115
Total funded by Air National Guard Bureau	27,920,714
Annual training pay	4,175,608
Other active duty pay	5,109,328
Inactive duty training pay	8,889,309
Basic training pay	1,373,989
Active Guard Reserve pay	8,372,480

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 2001*, pp. 39-40 and <<http://www.dod.state.hi.us/annualreport.html>> accessed May 7, 2002 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.09-- NATIONAL GUARD STRENGTH: 1980 TO 2001

[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)
2001 1/	5,383	2,978	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); for Fiscal Year 1999 to 2001 <<http://www.dod.state.hi.us/annualreport.html>> accessed May 7, 2001.

**Table 10.10-- CIVILIAN EMPLOYMENT IN THE AIR FORCE, ARMY,
AND NAVY: ANNUAL AVERAGES, 1990 TO 2001**

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
2001	15,500	2,100	4,600	8,800

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/CESST90S.PDF>> accessed March 11, 2002 and <http://www.state.hi.us/dlir/rs/loihi/LFR/CESST00S.PDF> ; accessed March 11, 2002. 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 <<https://www.dmdc.osd.mil/ids/archive/accessions.htm>> accessed July 16, 2002.

Table 10.12-- SELECTIVE SERVICE REGISTRATION IN THE UNITED STATES AND HAWAII : 1998 TO 2001

[Rank is among the 50 states. Rank of 1 has the highest percentage of eligible men registered]

Area	United States	Hawaii
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 2/	87	75
Rank	...	49
2001		
Draft eligible registrants, born 1976-1981	10,663,983	40,504
Born 1982-83	2,946,115	10,826
Born 1976-1983	13,610,098	51,330

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 of Steady Decline" and <<http://www.sss.gov/press-5-22-01.htm>> accessed June 7, 2001; and for 2001 <http://www.sss.gov/PDFs/SSS_2001AnRpt.pdf>.

**Table 10.13-- MILITARY PRIME CONTRACT AWARDS, BY PROGRAM:
1996 TO 2001**

[In thousands of dollars. Fiscal years ended September 30.
Net value of Department of Defense prime contracts over \$25,000]

Procurement program 1/	1996	1997	1998	1999	2000	2001
Total	928,480	957,353	889,607	984,848	1,159,586	1,307,386
Airframes and spares	39	581	877	-	19,267	-
Aircraft engines and spares	89	-	-	-	-	-
Other aircraft equipment	67	-	831	-	925	-
Missile and space systems	6,088	9,694	7,843	6,901	1,778	4,024
Ships	18,140	18,394	7,692	24,880	30,248	52,133
Combat vehicles	-	-	-	-	-	150
Non-combat vehicles	-	-	41	28	55	84
Ammunition	-	-	85	-	-	-
Electronics and communication equip.	30,838	36,222	38,840	38,342	30,401	27,869
Petroleum	33,633	47,883	44,523	42,129	88,255	109,276
Other fuels and lubricants	-	-	-	-	696	133
Containers and hauling equipment	-	-	-	-	-	-
Textiles, clothing, and equipage	124	-	-	-	138	123
Building supplies	584	576	352	333	-	150
Subsistence	8,436	9,158	20,623	25,729	17,382	14,085
Transportation equipment	-	-	-	-	-	133
Production equipment	-	64	-	-	80	28
Construction 2/	513,290	524,134	469,862	548,100	532,296	601,521
Construction equipment	-	124	1,990	834	1,129	144
Medical and dental supplies and equip.	6,255	5,823	7,580	8,938	9,482	14,199
Photographic supplies and equipment	-	-	29	-	170	2,537
Materials handling equipment	1,629	8,089	411	1,331	54	39
All other supplies and equipment	55,974	40,487	32,747	62,110	41,024	41,969
Services	253,294	256,123	255,280	225,195	386,205	438,789

1/ Procurement programs with no expenditures for the 1996-2000 period are Containers and hauling equipment and Weapons.

2/ In FY01, Hawaii had 5.1 percent of the United States total, placing as the 6th 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>>; Ibid, *FY 2001* and <<http://web1.whs.osd.mil/peidhome/geostats/p06/fy2001/P06-State-Maj-Procurement-2001.xls>> and Hawaii State Department of Business, Economic Development & Tourism calculations.

**Table 10.14-- MILITARY PRIME CONTRACT AWARDS, BY COUNTY,
BY DEFENSE COMPONENT: 1999 TO 2001**

[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	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	23,067	26	23,040	-	-
Total Fiscal Year 2001	1,307,386	5,967	1,195,820	73,857	31,742
Army	381,608	5,626	365,342	975	9,665
Navy	675,948	361	602,507	72,712	368
Air Force	93,021	95	71,623	170	21,133
Defense Logistics Agency	134,585	-	134,585	-	-
Civil Functions: OCE	3,013	-115	2,552	-	576
Other Defense agencies	19,211	-	19,211	-	-

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* <http://web1.whs.osd.mil/peidhome/geostats/p09/Fy1999/P09tab6_99.htm> and *ibid*, 2000 <<http://web1.whs.osd.mil/peidhome/st/st25/fy2000/STHawaii.HTM>>; and *ibid*, 2001 <<http://web1.whs.osd.mil/peidhome/geostats/p06/fy2001/P06-State-County-2001.pdf>> accessed July 16, 2002.

Table 10.15-- MILITARY SUBCONTRACTING PROGRAM: 1998 TO 2001

[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/	1998	1999	2000	2001
Hawaii number of contractors	63	62	53	47
Hawaii total contracts	217,333	207,871	312,355	261,006
Large business	67,116	107,916	129,414	95,577
Small business	150,217	99,955	182,941	165,429
Small disadvantaged business	46,841	48,791	88,388	80,541
Women-owned business	24,077	23,838	50,302	40,228
HBCU/MI 1/	-	-	-	22
Hawaii contracts as percent of total	100.0	100.0	100.0	100.0
Large business	30.9	51.9	41.4	36.6
Small business	69.1	48.1	58.6	63.4
Small disadvantaged business	21.6	23.5	28.3	30.9
Women-owned business	11.1	11.5	16.1	15.4
HBCU/MI 1/	-	-	-	2/
United States number of contractors	2,418	2,268	2,154	2,133
United States total contracts	46,464,777	52,307,172	54,799,448	60,387,603
Large business	26,379,447	30,843,298	33,216,883	36,948,157
Small business	20,085,330	21,463,873	21,582,565	23,439,446
Small disadvantaged business	2,799,861	2,937,098	2,954,752	2,947,732
Women-owned business	2,214,010	2,024,504	2,342,403	2,469,738
HBCU/MI 1/	17,324	11,333	10,709	22,049
U.S. contracts as percent of total	100.0	100.0	100.0	100.0
Large business	56.8	59.0	60.6	61.2
Small business	43.2	41.0	39.4	38.8
Small disadvantaged business	6.0	5.6	5.4	4.9
Women-owned business	4.8	3.9	4.3	4.1
HBCU/MI 1/	2/	2/	2/	2/

1/ HBCU/MI Historically Black Colleges and Universities/Minority Institutions

2/ 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 <<http://web1.whs.osd.mil/PEIDHOME/PROCSTAT/P14/FY98/TABII2.HTM>>, 1999 <<http://web1.whs.osd.mil/PEIDHOME/PROCSTAT/P14/FY99/TABLEII2.PDF>>, 2000 <<http://web1.whs.osd.mil/PEIDHOME/PROCSTAT/P14/FY00/TABLEII-2.pdf>>, and 2001 <<http://web1.whs.osd.mil/peidhome/PROCSTAT/P14/FY01/TableII-2.pdf>> accessed July 16, 2002.

**Table 10.16-- ACREAGE OWNED OR CONTROLLED BY THE U.S.
DEPARTMENT 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 10.17-- MILITARY INSTALLATIONS BY SITE, COMPONENT, BUILDINGS, ACREAGE, VALUE AND PERSONNEL: SEPTEMBER 30, 2001

[The source report is organized by State within each Military Service. Extracted elements include the site name, the component (Active or Reserves), the name of the nearest city, the number of buildings owned and leased, total acres owned by the Services and the total acres used, the Total Plant Replacement Value (in millions of dollars) and the authorized number of military, civilian, and other personnel. The PRV represents the reported cost of replacing the facility and its supporting infrastructure using today's construction cost (labor and material) and standards (methodologies and codes). Other personnel include any non-appropriated employees, government contractors (if identified) or foreign nationals performing work on the base]

Site	Component	Name	Buildings Owned		Buildings Leased		Acreage		PRV (\$M)	Total	Personnel		
			Number	Square Feet	Number	Sq Ft	Total	Owned			Military	Civilian	Other
Aliamanu Military Reservation	Army Active	Honolulu	668	4,322,202	-	-	535	524	666.5	124	8	10	106
Bellows AFS	AF Active	Waimanalo	106	136,353	-	-	491	413	124.0	31	27	4	-
COMNAVBASE Pearl Harbor	Navy Active	Pearl Harbor	188	939,726	-	-	950	946	173.9	8,589	7,770	819	-
Dillingham Military Reservation	Army Active	Wahiawa	26	16,197	-	-	664	628	119.5	-	-	-	-
FISC Pearl Harbor	Navy Active	Pearl Harbor	52	1,324,773	-	-	687	669	924.8	329	21	308	-
Fort DeRussy	Army Active	Honolulu	8	782,755	-	-	73	71	214.5	858	-	73	785
Fort Ruger	Army Guard	Honolulu	-	-	-	-	337	337	25.6	332	332	-	-
Fort Shafter	Army Active	Honolulu	324	2,435,138	-	-	591	588	570.9	5,835	3,025	2,222	588
Helemano Rad Rec Station	Army Active	Wahiawa	240	1,775,960	-	-	290	282	346.4	551	496	12	43
Hickam Air Force Base	AF Active	Honolulu	1,243	8,776,451	-	-	2,523	2,513	3,263.3	6,893	5,563	1,330	-
Hickam Petroleum Prod Storage Annex	AF Active	Wahiawa	20	11,332	-	-	151	92	130.0	-	-	-	-
Kaena Point Satellite Tracking Station	AF Active	Waialua	33	68,066	-	-	153	-	48.6	23	4	19	-
Kahuku Training Area	Army Active	Wahiawa	19	22,745	-	-	9,773	8,241	17.6	1,032	1,032	-	-
Kalaheo (Barbers Point)	Army Guard	Kapolei	-	-	-	-	115	115	146.8	-	-	-	-
Kilauea Military Reserve	Army Active	(NA)	91	149,797	-	-	68	1	56.1	73	4	6	63
Kipapa Ammo Storage Site	Army Active	(NA)	80	209,297	-	-	401	370	68.2	-	-	-	-
Marine Corps Base Kaneohe	USMC Active	Kaneohe Bay	2,252	10,139,154	-	-	35,579	4,645	2,400.1	12,134	11,029	1,105	-
NAVMAG Pearl Harbor	Navy Active	Lualualei	229	1,097,193	-	-	12,028	12,013	697.2	97	97	-	-
NAVSTA, Pearl Harbor	Navy Active	Pearl Harbor	496	5,945,167	-	-	6,250	6,247	1,764.1	3,988	3,048	940	-
NACTAMS Pac Honolulu	Navy Active	Wahiawa	141	600,648	-	-	2,422	2,407	310.1	698	568	130	-
PACMISRANFAC Hawaiian Area	Navy Active	Kaui	275	613,544	-	-	3,678	2,033	340.4	101	101	-	-
Pearl Harbor NAVSHIPYD and IMF	Navy Active	Pearl Harbor	165	3,663,065	-	-	290	289	1,821.1	7,587	3,852	3,735	-
Pohukuloa Training Area	Army Active	Pohukuloa	185	308,978	-	-	108,792	84,815	159.2	75	7	22	46
Pupukea Paalaa Uka Military Road	Army Active	(NA)	-	-	-	-	109	-	10.7	-	-	-	-
PWC Pearl Harbor	Navy Active	Pearl Harbor	5,258	11,595,155	-	-	2,180	2,130	2,695.0	948	34	914	-
Schofield Bks Military Reservation	Army Active	Wahiawa	1,514	12,121,328	-	-	16,602	13,598	2,923.2	12,055	10,124	285	1,646
Signal Cable Trunking System	Army Active	(NA)	44	9,171	-	-	201,367	1	76.3	-	0	-	-
Tripler AMC	Army Active	Honolulu	75	2,032,486	-	-	509	358	863.1	3,371	1,421	1,486	464
TS Keaukaha Military Reservation	Army Guard	Hilo	-	-	-	-	22	509	25.5	228	228	-	-
TS Waiaua Gulch	Army Guard	Pearl City	10	108,730	-	-	96	22	31.4	284	284	-	-
USA Field Station Kunia	Army Active	Kunia	17	272,159	-	-	15	34	106.7	16	15	1	-
Waianae	Army Active	Waianae	47	46,546	-	-	314	12	16.6	30	-	-	30
Waikakalua Ammo Storage Tunnels	Army Active	(NA)	49	104,236	1	637	1,389	313	36.5	-	-	-	-
Wheeler Army Airfield	Army Active	Wahiawa	416	1,994,867	-	-	1,388	1,388	626.5	2,307	1,670	145	492
Other (49 sites)	(NA)	(NA)	111	762,258	1	6,398	35,171	10,344	302.5	2,984	2,841	143	-

Source: U.S. Department of Defense, Base Structure Report, A Summary of DoD's Real Property Inventory, FY2001 <http://www.defenselink.mil/news/jun2002/basestructure2002.pdf> accessed July 16, 2001.

**Table 10.18-- SELECTED HOUSING UNITS IN MILITARY
CENSUS-DESIGNATED PLACES: 2000**

Geographic Area	Housing Units (count)
Census 2000 Housing Unit Count Hawaii	460,542
Ahuimanu CDP	2,681
Barbers Point Housing CDP	127
Hickam Housing CDP	1,718
Iroquois Point CDP	1,035
Kaneohe Station CDP	2,388
Schofield Barracks CDP	3,733
Wheeler AFB CDP	855

Source: U.S. Census Bureau, Census 2000 U.S. Housing Unit Count
<<http://quickfacts.census.gov/hunits/states/15000.html>> accessed August 13, 2002.

**Table 10.19-- 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 10.20-- VETERAN STATUS OF CIVILIANS 16 YEARS AND OVER:
1970 TO 2000**

Veteran status	Civilian males		All civilians 1/				
	1970	1980	1980	1990	1998	1999	2000
Civilians 16 and over	223,573	316,651	665,036	801,517	(NA)	(NA)	2/ 878,220
Veterans	89,098	98,633	103,774	119,256	113,000	112,000	2/ 120,587
Male veterans	(NA)	(NA)	(NA)	(NA)	(NA)	104,000	(NA)
Female veterans	(NA)	(NA)	(NA)	(NA)	(NA)	8,000	(NA)
War veterans 3/	75,026	82,230	85,322	87,301	83,000	83,000	(NA)
Persian Gulf War	-	-	-	-	9,000	10,000	(NA)
Vietnam era	20,548	36,441	38,136	41,860	42,000	42,000	(NA)
Korean conflict	20,006	21,860	22,351	22,362	19,000	18,000	(NA)
World War II	34,486	31,170	32,156	32,551	23,000	22,000	(NA)
World War I	2,501	824	854	132	(Z)	(Z)	(NA)
Peacetime only	14,072	16,403	18,452	31,955	30,000	30,000	(NA)
Nonveterans	134,475	218,018	561,262	682,261	(NA)	(NA)	2/ 757,633

- Represents or rounds to zero.

Z Less than 500.

NA Not available.

1/ Not available for female civilians before 1980.

2/ Civilian population 18 years and over

3/ 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 2001, p. 335 and <<http://www.census.gov/prod/2002pubs/01statab/defense.pdf>> accessed April 2, 2002 and U.S. Census Bureau, "Table DP-2. Profile of Selected Social Characteristics: 2000" <<http://www.hawaii.gov/dbedt/census2k/profile-state/state-county.pdf>> accessed July 30, 2002 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 10.21- SELECTED VETERANS' BENEFITS AND COMPENSATION
EXPENDITURES FOR HAWAII AND THE UNITED STATES: 2001**

[in number and thousands of dollars]

Category	Hawaii	United States
Total of Selected Expenditures (\$1,000) 2/	226,124	49,471,029
Total Readjustment Benefits 2/	10,824	1,505,800
Education Assistance		
Post-Vietnam Conflict (Chapter 32) (\$1,000)	126	18,052
Montgomery GI Bill		
Active Duty Chapter 30 Trained during fiscal year	1,822	261,993
Amount (\$1,000)	5,624	807,517
Selected Reserve Chapter 1606 Trained during fiscal year	655	59,726
Amount (\$1,000)	789	113,313
Dependents Educational Assistance (Title 38, U.S.C., Ch. 35)		
Trained during fiscal year - Sons & daughters	199	38,803
Trained during fiscal year - Widow(er)s & spouses	43	6,016
Amount (\$1,000)	879	171,091
Vocational Rehabilitation (Title 38, U.S.C., Ch 31)		
Trained during fiscal year	-	(NA)
Amount (\$1,000)	3,406	395,827
Automobiles & other conveyances for disabled veterans (\$1,000)	89	33,478
Specially adapted housing for disabled veterans (\$1,000)	43	15,472
Insurance & indemnities (\$1,000)	16,291	1,948,221
Hospital domiciliary & other construction (\$1,000)	623	402,587
Medical services & admin costs (\$1,000)	87,992	22,961,755
Compensation and Pension		
Living and Deceased Veterans		
Number	14,241	3,135,259
Amount (\$1,000)	110,262	22,603,717
Burial benefits	276	52,534
Service-connected Number	13,175	2,579,025
Amount (\$1,000)	103,610	19,714,953
Nonservice-connected Number	1,066	557,234
Amount (\$1,000)	6,376	2,836,230
Living veterans		
Number	12,511	2,615,082
Amount (\$1,000)	92,377	18,414,321
Service-connected Number	11,794	2,283,582
Amount (\$1,000)	87,222	16,213,116
Nonservice-connected Number	717	331,500
Amount (\$1,000)	5,155	2,201,205
Deceased veterans		
Number	1,730	520,177
Amount (\$1,000)	17,609	4,136,862
Service-connected Number	1,381	294,443
Amount (\$1,000)	16,388	3,501,837
Nonservice-connected Number	349	225,734
Amount (\$1,000)	1,221	635,025

NA Not available.

Source: U.S. Department of Veterans' Affairs, *FY 2001 Annual Accountability Report Statistical Appendix*,
Estimated Selected Expenditures By State, FY 2001" and
<http://www.va.gov/vetdata/ProgramStatics/stat_app01/Table22_expen_2001.xls> accessed July 16, 2002.

**Table 10.22--DISTRIBUTION OF VETERANS AFFAIRS POPULATION AND EXPENDITURES,
BY COUNTIES AND CONGRESSIONAL DISTRICTS: 2001**

[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	101,873	226,122,374	110,261,483	10,955,651	16,291,000	622,521	87,991,719
Hawaii County (02)	11,792	19,731,903	16,900,829	821,856	2,009,218	-	-
City & County of Honolulu (01)	76,569	191,246,212	80,933,614	9,567,672	12,130,686	622,521	87,991,719
(02)	53,022	159,728,139	56,079,063	6,629,459	8,405,377	622,521	87,991,719
Kalawao County (02)	23,546	31,518,073	24,854,551	2,938,213	3,725,309	-	-
Kauai County (02)	29	4,838	-	-	4,838	-	-
Maui County (02)	4,468	4,987,577	4,168,340	93,831	725,406	-	-
	9,015	10,151,845	8,258,701	472,292	1,420,852	-	-
Total (01)	53,022	159,728,139	56,079,063	6,629,459	8,405,377	622,521	87,991,719
Total (02)	48,851	66,394,235	54,182,420	4,326,192	7,885,623	-	-

1/ Estimated veteran population as of June 2001.

Source: U.S. Department of Veteran Affairs, Veteran Data & Information, Expenditure and Workload Data, <[http://www.va.gov/vetdata/GeographicInformation/WEB\(2\)-GDX-FY2001.xls](http://www.va.gov/vetdata/GeographicInformation/WEB(2)-GDX-FY2001.xls)> accessed July 17, 2002.

Table 10.23-- MILITARY PERSONNEL, AND MILITARY PERSONNEL OVER 65 YEARS OLD, RECEIVING AND NOT RECEIVING RETIRED PAY FROM THE DEPARTMENT OF DEFENSE: SEPTEMBER 30, 2001

Service	Number of personnel		Monthly payment 2/ (\$1,000)	Average payment per person paid 3/ (dollars)
	Retired 1/	Paid by DOD		
Department of Defense	14,480	13,096	21,850	1,668
By rank				
Officers	4,082	4,003	10,518	2,628
Nondisabled and reserve	3,890	3,835	10,105	2,635
Disabled	192	168	413	2,458
Enlisted	7,935	7,168	8,382	1,169
Nondisabled and reserve	7,135	6,823	8,152	1,195
Disabled	800	345	230	667
By branch of service				
Army	5,535	4,889	7,481	1,530
Navy	4,105	3,764	6,594	1,752
Marine Corps	979	873	1,700	1,947
Air Force	3,861	3,570	6,075	1,702
Addendum 4/: Coast Guard	277	267	424	1,588
Department of Defense, Over 65	6,554	5,729	9,979	1,742
By rank				
Officers	2,242	2,185	5,666	2,593
Nondisabled and reserve	2,140	2,091	5,386	2,576
Disabled	102	94	280	2,979
Enlisted	4,312	3,544	4,313	1,217
Nondisabled and reserve	4,037	3,427	4,194	1,224
Disabled	275	117	119	1,017
By branch of service				
Army	3,044	2,670	4,076	1,527
Navy	1,414	1,200	2,427	2,023
Marine Corps	346	315	698	2,216
Air Force	1,750	1,544	2,779	1,800
Addendum 4/: Coast Guard	107	103	170	1,650

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.

Source: U.S. Department of Defense, Office of the Actuary, *FY 2001 DOD Statistical Report on the Military Retirement System* (2002).

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 11 of the *Statistical Abstract of the United States: 2001* presents comparable national data.

**Table 11.01-- TEMPORARY ASSISTANCE TO NEEDY FAMILIES,
AVERAGE MONTHLY, BY ISLANDS: 1998 TO 2001**

[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
2001								
Cases	13,583	9,122	2,829	630	1,002	17	849	136
Recipients	37,741	25,565	7,815	1,683	2,678	40	2,262	376
Expenditures 1/	6,848	4,640	1,423	297	488	8	413	67

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare In Hawaii* (annual).

**Table 11.02-- TEMPORARY ASSISTANCE TO OTHER NEEDY FAMILIES,
AVERAGE MONTHLY, BY ISLANDS: 1998 TO 2001**

[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
2001								
Cases	5,881	3,998	1,191	278	414	4	276	134
Recipients	24,963	16,749	5,095	1,239	1,880	15	1,235	630
Expenditures 1/	3,046	2,065	625	143	213	3	140	70

1/ Thousands of dollars.

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare In Hawaii* (annual).

Table 11.03-- AVERAGE MONTHLY CASES SERVED BY THE FOOD STAMP PROGRAM, BY ISLANDS: ANNUALLY, 1980 TO 2001

[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
2001	51,592	34,486	10,842	2,583	3,681	51	2,995	635

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare In Hawaii* (annual).

**Table 11.04-- AVERAGE MONTHLY NUMBER OF INDIVIDUALS SERVED
BY THE FOOD STAMP PROGRAM, BY ISLANDS: ANNUALLY, 1980 TO 2001**

[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
2001	110,371	73,429	23,230	5,563	8,149	100	6,303	1,746

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare in Hawaii* (annual).

Table 11.05-- ANNUAL BENEFITS OF THE FOOD STAMP PROGRAM, BY ISLANDS: 1986 TO 2001

[In dollars. Years ended June 30]

Year	State	Oahu	Hawaii	Kauai	Maui County			
					County total	Lanai	Maui	Molokai
1986	90,431,081	59,584,164	19,178,743	4,523,409	7,144,765	126,266	5,046,328	1,972,171
1987	86,590,419	56,916,991	19,025,062	4,118,900	6,529,466	91,545	4,440,672	1,997,249
1988	79,945,261	53,120,868	17,701,927	3,362,595	5,759,871	62,111	3,844,355	1,853,405
1989	74,533,213	49,550,098	16,722,757	3,006,023	5,254,335	32,933	3,667,459	1,553,943
1990	78,997,519	52,750,217	17,526,168	3,232,313	5,488,821	39,855	3,825,847	1,623,119
1991	94,473,871	63,485,005	20,541,064	4,042,598	6,405,204	64,878	4,574,468	1,765,858
1992	112,329,644	74,283,762	24,838,847	5,156,483	8,050,552	94,856	5,742,270	2,213,426
1993	126,788,607	82,450,018	28,538,846	5,824,432	9,975,311	146,194	7,400,324	2,428,793
1994	147,149,411	95,823,731	32,943,774	6,739,307	11,642,599	154,603	9,055,336	2,432,660
1995	171,641,900	111,603,705	37,840,508	8,411,516	13,786,171	155,076	10,998,797	2,632,298
1996	191,796,701	123,903,621	42,338,840	9,872,685	15,681,555	153,647	12,831,574	2,696,334
1997	193,487,005	125,414,180	42,071,872	10,367,997	15,632,956	171,979	12,749,822	2,711,155
1998	179,727,944	114,359,271	40,461,179	10,057,307	14,850,187	167,244	11,845,597	2,837,346
1999	178,991,763	115,489,788	39,208,297	9,841,805	14,451,873	173,891	11,697,878	2,580,104
2000	170,853,433	112,594,795	36,414,365	8,843,294	13,000,979	137,714	10,493,178	2,370,087
2001	153,082,202	101,678,549	32,812,572	7,577,344	11,013,737	124,481	8,640,495	2,248,761

Source: Hawaii State Department of Human Services, Research, *A Statistical Report on Welfare in Hawaii* (annual).

**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) tables 5.J5 and 5.J5.1; Office of Research, Evaluation & Statistics <<http://www.ssa.gov/statistics/Supplement/2000>> accessed June 10, 2002.

**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) tables 5.J2, 5.J3, 5.J4 and 5.J6; Office of Research, Evaluation & Statistics <<http://www.ssa.gov/statistics/Supplement/2000>> accessed June 10, 2002.

**Table 11.08-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE
(OASDI) BENEFICIARIES IN CURRENT-PAYMENT
STATUS, BY COUNTIES: DECEMBER 2000**

County 1/	Total	Benefits			Aged 65 and older	
		Retirement 2/	Survivors 3/	Disability	Men	Women
State total 4/	183,802	143,351	22,240	18,211	62,244	79,319
Hawaii	25,835	18,765	3,495	3,575	8,500	10,005
Honolulu	130,535	103,760	15,200	11,576	44,630	58,060
Kauai	9,603	7,475	1,260	870	3,340	4,045
Maui	17,829	13,350	2,285	2,195	5,875	7,210

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 2000**

[In thousand dollars]

County 1/	Total	Benefits			Aged 65 and older	
		Retirement 2/	Survivors 3/	Disability	Men	Women
State total 4/	141,807	113,775	16,004	12,029	56,917	57,282
Hawaii	19,648	14,884	2,423	2,341	7,841	7,128
Honolulu	100,924	82,389	10,813	7,722	40,631	42,000
Kauai	7,357	5,853	912	592	3,005	2,868
Maui	13,878	10,745	1,657	1,476	5,440	5,287

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 2000**

Comparison	Total population		Aged 65 or older	
	Number (in thousands)	Percent receiving OASDI benefits	Number (in thousands)	Percent receiving OASDI benefits
United States	281,422	15.7	34,992	91.5
Hawaii	1,212	15.2	161	88.1

1/ Population data are based on the 2000 Census of Population (as of April 1, 2000).

2/ Percentages with OASDI are based on the number of beneficiaries in December 2000.

Source: U.S. Department of Health and Human Services, Social Security Administration
<http://www.ssa.gov/statistics/oasdi_sc/2000/hi.pdf> table 3 accessed June 12, 2002.

**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) tables 5.J1, 5.J2 and 5.J4, and data in earlier printed reports; Office of Research, Evaluation & Statistics <<http://www.ssa.gov/statistics/Supplement/2000>> accessed June 10, 2002.

Table 11.12-- MEDICARE BENEFICIARIES ENROLLED AND BENEFIT PAYMENTS: 1998 TO 2000

Coverage	All persons, July 1				Persons 65 and over, July 1				Estimated benefit payments 1/ (\$1,000)					
	1998		2000 2/		1998		2000 2/		1998		1999		2000 2/	
Hospital and/or medical insurance	158,987	161,787	165,265	145,975	148,077	150,722	638,739	600,477	621,681					
Hospital insurance	157,940	160,720	164,213	144,928	147,013	149,675	-	-	-					
Supplementary medical insurance	148,173	150,752	153,832	136,703	138,607	140,889	-	-	-					
Hospital and medical insurance (both)	147,126	149,685	152,780	135,656	137,543	139,842	-	-	-					

1/ Fiscal year.

2/ Revised.

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services, Office of Information Services, 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 2001**

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
2001	63,408	29,660	8,761,096	548,799	1,434	4,893,712

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: Child Welfare League of America, Washington, D.C., as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 1998 (table 636), and 1999 (table 641).

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 2001

[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	45	492.94	144,741	235.48	14.8
1993	542,333	13,227	53	503.02	165,877	246.31	17.6
1994	540,015	15,228	43	514.13	193,878	258.72	17.4
1995	535,640	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	536,979	11,043	33	573.11	140,528	265.78	16.6
2000	552,445	8,755	34	587.99	111,665	273.16	15.4
2001	(NA)	11,884	42	(NA)	150,142	282.46	12.8

NA Not available.

Source: Hawaii State Department of Labor and Industrial Relations, *State of Hawaii Unemployment Insurance Fact Book* (annual) and records.

Table 11.22-- CHILD DAY CARE SERVICES WITH PAYROLL, BY FEDERAL INCOME TAX STATUS AND BROAD GEOGRAPHIC AREA: 1992, 1997 AND 2000

[Child day care services without payroll subject to Federal income tax are not included]

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
2000 2/						
State total		184		(NA)		1,857
Oahu		121		(NA)		1,412
Neighbor Islands		63		(NA)		445

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; U.S. Census Bureau, *County Business Patterns Hawaii: 2000*, CBP-00-13 (May 2002), tables 2 and 6 <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-13.pdf>> accessed June 12, 2002.

Table 11.23-- LICENSED CHILD CARE CENTERS AND LICENSED FAMILY CHILD CARE PROVIDERS: 1998 AND 2000

[Centers as of February, providers as of August.]

Subject	1998	2000
Licensed child care centers	494	500
Licensed family child care providers	500	501

Source: Children's Foundation, Washington, D.C., as cited in U. S. Census Bureau, *Statistical Abstract of the United States* for 1999 (table 640), and 2001 (table 558)
 <<http://www.census.gov/prod/2002pubs/01statab/socinsur.pdf>> accessed March 11, 2002.

**Table 11.24-- 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 11.24-- 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 11.25-- QUALITY OF LIFE INDEX RANKINGS, FOR THE STATE AND THE HONOLULU METROPOLITAN STATISTICAL AREA (MSA): 1993 TO 2001

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
Morgan Quitno, 2001	50	34
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
<i>Money</i> , 2001	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 and 2001, the higher the rank, the better.

2/ In the Western States, comparison limited to medium-size MSAs (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/tools/bplive_citypage/HONOL_HI.html> accessed January 5, 2001;

<http://money.cnn.com/best/bplive/details/HONOL_HI.html> accessed March 13, 2002.

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 12 of the *Statistical Abstract of the United States: 2001*.

Table 12.01-- LABOR FORCE STATUS, BY SEX: 1960 TO 2000

Sex and labor force status	1960	1970	1980	1990	2000
BOTH SEXES					
Persons 16 years and over	402,937	522,018	723,479	855,518	950,055
Labor force	263,450	344,269	494,223	602,348	612,831
Percent in labor force	65.4	65.9	68.3	70.4	64.5
Armed forces	47,255	49,785	58,443	54,001	39,036
Civilian labor force	216,195	294,484	435,780	548,347	573,795
Employed	207,456	285,556	415,181	529,059	537,909
Unemployed	8,739	8,928	20,599	19,288	35,886
Percent of civ. labor force	4.0	3.0	4.7	3.5	6.3
Not in labor force	139,487	177,749	229,256	253,170	337,224
MALE 1/					
Persons 16 years and over	219,822	272,726	370,683	434,203	473,542
Labor force	186,507	222,221	290,420	335,651	331,177
Percent in labor force	84.8	81.5	78.3	77.3	69.9
Armed forces	46,626	48,860	54,032	47,441	34,368
Civilian labor force	139,881	173,361	236,388	288,210	296,809
Employed	135,481	168,940	225,331	277,735	276,483
Unemployed	4,400	4,421	11,057	10,475	20,326
Percent of civ. labor force	3.1	2.6	4.7	3.6	6.8
Not in labor force	33,315	50,505	80,263	98,552	142,365
FEMALE					
Persons 16 years and over	183,115	249,292	352,796	421,315	476,513
Labor force	76,943	122,048	203,803	266,697	281,654
Percent in labor force	42.0	49.0	57.8	63.3	59.1
Armed forces	629	925	4,411	6,560	4,668
Civilian labor force	76,314	121,123	199,392	260,137	276,986
Employed	71,975	116,616	189,850	251,324	261,426
Unemployed	4,339	4,507	9,542	8,813	15,560
Percent of civ. labor force	5.7	3.7	4.8	3.4	5.6
Not in labor force	106,172	127,244	148,993	154,618	194,859

1/ Calculated by the Hawaii State Department of Business, Economic Development & Tourism.

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; Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000, Geographic area: Hawaii.

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, 1999

[Numbers in thousands]

Population group	Persons 16 years and over			16 to 19 years (both sexes)
	Both sexes	Men	Women	
Civilian noninstitutional population	888	419	469	68
Civilian labor force	595	297	298	29
Percent of population	67.0	70.7	63.6	42.9
Employment	561	276	285	23
Percent of population	63.2	65.9	60.8	33.6
Unemployment	33	20	13	6
Rate 1/	5.6	6.8	4.4	21.6
Error range of rate 2/	4.9-6.3	5.7-7.9	3.5-5.3	16.5-26.7
Not in civilian labor force	293	122	171	39

1/ Percent of civilian labor force.

2/ Calculated at the 90-percent confidence interval.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1999* (Bulletin 2537, June 2001), table 12; 'Not in civilian labor force' was calculated 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:
2000 AND 2001**

Race or origin 1/	Civilian labor force				Unemployed (percent)	
	2000		2001		2001	
	Both sexes	Female	Both sexes	Female	Both sexes	Female
All races	595,450	281,800	605,550	286,450	4.6	4.4
White	194,700	89,450	198,200	91,100	4.9	5.4
Asian or Pacific Islander	381,900	183,550	388,150	186,450	4.4	3.8
Japanese	148,800	71,150	150,950	72,150	2.2	1.6
Filipino	97,700	48,300	99,400	49,100	5.3	4.4
Hawaiian	67,250	31,700	68,650	32,350	7.8	7.2
Chinese	39,000	18,350	39,550	18,600	3.2	3.0
Korean	12,800	6,950	13,000	7,050	4.7	4.7
Other Asian or Pacific Islander	16,250	7,100	16,550	7,250	8.3	8.3
Black	7,400	3,650	7,550	3,750	7.1	7.1
American Indian, Eskimo, Aleut	2,850	1,450	2,900	1,450	7.7	8.6
Other race	8,550	3,700	8,700	3,750	6.5	7.1
Minority group	400,700	192,300	407,300	195,400	4.5	4.0
Hispanic (all races)	36,050	16,850	36,750	17,200	7.9	7.6

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.

**Table 12.06-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE:
ANNUAL AVERAGES, 1980 TO 2001**

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	594,350	557,200	37,150	6.2
1999	592,800	559,600	33,200	5.6
2000	595,450	569,900	25,500	4.3
2001 1/	605,500	577,450	28,100	4.6

1/ Preliminary.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual)
<<http://www.state.hi.us/dlir/rs/loihi/LFR/LAUS.HTM>> accessed February 27, 2002.

**Table 12.07-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE,
FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1991 TO 2001**

Year	Oahu	Hawaii County	Kauai County	Maui County			
				County total	Lanai	Maui	Molokai
CIVILIAN LABOR FORCE							
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	427,150	68,600	28,650	69,950	1,650	65,350	2,950
1999	423,150	69,400	28,900	71,400	1,750	2/ 66,650	3,000
2000	2/ 423,700	2/ 70,000	29,400	2/ 72,350	2/ 1,850	2/ 67,600	2/ 2,900
2001 1/	429,250	72,250	29,850	74,200	1,900	69,400	2,900
CIVILIAN EMPLOYED							
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	404,250	61,950	25,800	65,200	1,600	61,100	2,500
1999	402,250	63,350	26,650	67,300	1,650	2/ 63,100	2/ 2,550
2000	2/ 407,800	2/ 65,350	27,500	2/ 69,300	2/ 1,800	2/ 65,050	2/ 2,500
2001 1/	411,750	67,300	27,750	70,650	1,800	66,300	2,550

Continued on next page.

Table 12.07-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE, FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1991 TO 2001 -- Con.

Year	Oahu	Hawaii County	Kauai County	Maui County			
				County total	Lanai	Maui	Molokai
UNEMPLOYED							
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	20,900	6,050	2,200	4,050	100	3,550	450
2000	15,900	4,650	1,900	3,050	50	2,550	450
2001 1/	17,500	4,950	2,100	3,500	100	3,100	350
PERCENT UNEMPLOYED							
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	2/ 14.4
2000	3.8	6.7	6.5	4.2	2/ 3.4	3.8	2/ 14.9
2001 1/	4.1	6.8	7.0	4.8	4.5	4.4	12.5

1/ Preliminary.

2/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual)

<<http://www.state.hi.us/dlir/rs/loihi/LFR/LAUS.HTM>> accessed February 27, 2002.

**Table 12.08-- CHARACTERISTICS OF THE INSURED UNEMPLOYED:
ANNUAL AVERAGES, 2000**

[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	5.0
Under 22 years	2.1	Services	26.2
22 to 24 years	4.3	Hotel	5.0
25 to 34 years	24.1	Others	6.0
35 to 44 years	29.2	Occupation:	
45 to 54 years	25.2	Prof., tech., mgr.	19.2
55 to 64 years	12.0	Clerical, sales	19.9
65 years and over	3.2	Services	14.5
Sex:		Farm, fish., forest	5.6
Male	63.8	Processing	1.0
Female	36.2	Machine trades	1.5
Industry:		Bench work	0.8
Government	5.0	Structural work	28.5
Agriculture	6.3	Miscellaneous	7.4
Construction	24.1	Not available	1.6
Manufacturing	3.4	Duration:	
Trans., commun., util.	7.3	1 to 4 weeks	38.4
Wholesale, retail trade	16.7	5 to 14 weeks	36.8
		15 weeks and over	24.8

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 1999-2000*.

**Table 12.09-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGES,
1980 TO 2001**

[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	542,750	403,650	53,350	25,400	60,300
2000	2/ 559,200	2/ 414,250	2/ 55,950	2/ 26,450	2/ 62,450
2001 1/	560,950	413,900	57,000	26,400	63,550

1/ Preliminary.

2/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) <<http://www.state.hi.us/dlir/rs/loihi/LFR/CES1.HTM>> accessed February 27, 2002. Hawaii State Department of Business, Economic Development and Tourism combined the non-agriculture and agriculture wage and salary jobs.

**Table 12.10-- JOBCOUNT, BY INDUSTRY: ANNUAL AVERAGES,
1997 TO 2001**

[Data rounded to nearest 50. Totals may not add due to rounding or residual categories]

Industry	1997	1998	1999	2000	2001 1/
Nonagriculture, wage and salary	531,500	531,250	535,050	2/ 551,350	553,550
Construction & mining	22,300	21,650	21,650	2/ 23,800	23,700
Manufacturing	16,550	16,450	16,550	2/ 17,450	17,850
Durable goods	3,300	3,300	3,400	2/ 3,800	4,200
Nondurable goods	13,300	13,150	13,150	2/ 13,650	13,650
Food processing	6,400	6,500	6,600	(NS)	(NS)
Printing & publishing	3,100	3,050	3,050	(NS)	(NS)
Transp., comm., & utilities	41,300	41,150	41,200	2/ 42,250	42,050
Transportation	31,150	31,000	31,250	2/ 32,350	32,200
Communication	6,600	6,750	6,600	6,500	6,400
Utilities	3,550	3,400	3,350	3,400	3,450
Trade	134,350	132,200	133,150	2/ 137,000	136,250
Wholesale	20,950	21,000	21,150	2/ 21,700	20,700
Retail	113,350	111,200	112,000	2/ 115,300	115,550
Finance, ins., & real estate	36,150	35,500	34,800	2/ 33,150	32,700
Services & miscellaneous	169,200	172,200	174,900	2/ 183,050	186,100
Hotels	38,350	37,750	37,100	2/ 38,600	38,650
Health services	34,700	35,300	35,800	2/ 36,600	37,150
Government	111,700	112,200	112,800	114,600	114,950
Federal	30,650	30,400	30,300	30,950	30,050
Air Force	2,050	2,050	2,050	2,100	2,100
Army	5,000	4,900	4,700	4,700	4,600
Navy	9,250	9,100	9,000	8,750	8,800
State	64,250	64,950	65,800	66,950	68,150
Local	16,750	16,850	16,650	16,700	16,700
Agriculture, wage & salary	7,200	7,550	7,700	7,850	7,400
Labor disputes	-	50	-	-	1,250

NS Not shown separately.

1/ Preliminary.

2/ Revised.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual)
<<http://www.state.hi.us/dlir/rs/loihi/LFR/CES1.HTM>> accessed February 27, 2002.

Table 12.11-- EMPLOYMENT BY INDUSTRY: 2000

[Based on the North American Industry Classification System (NAICS)]

Industry	Number	Percent
Employed civilian population 16 years and over	537,909	100.0
Agriculture, forestry, fishing and hunting, and mining	12,119	2.3
Construction	32,180	6.0
Manufacturing	18,979	3.5
Wholesale trade	17,188	3.2
Retail trade	65,693	12.2
Transportation and warehousing, and utilities	33,559	6.2
Information	13,278	2.5
Finance, insurance, real estate, and rental and leasing	37,867	7.0
Professional, scientific, management, administrative, and waste management services	51,039	9.5
Educational, health and social services	102,254	19.0
Arts, entertainment, recreation, accommodation and food services	86,189	16.0
Other services (except public administration)	23,853	4.4
Public administration	43,711	8.1

Source: U.S. Bureau of the Census, Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000, Geographic area: Hawaii.

**Table 12.12-- JOBCOUNT BY INDUSTRY, BY COUNTIES:
ANNUAL AVERAGES, 2000**

[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	551,350	412,000	53,300	25,500	60,500
Construction & mining	23,800	17,150	2,800	1,000	2,800
Manufacturing	17,450	13,550	1,650	500	1,750
Durable goods	3,800	3,200	250	50	300
Nondurable goods	13,650	10,350	1,400	400	1,450
Transp., comm., & utilities	42,250	33,100	2,800	1,750	4,550
Transportation	32,350	25,300	2,000	1,450	3,550
Communication	6,500	5,550	350	(NS)	450
Utilities	3,400	2,250	450	(NS)	550
Trade	137,000	99,300	13,600	7,450	16,650
Wholesale	21,700	17,500	2,150	550	1,500
Retail	115,300	81,800	11,450	6,900	15,150
Finance, ins., & real estate	33,150	26,800	2,350	1,100	2,900
Services & miscellaneous	183,050	130,400	19,100	9,600	24,000
Hotels	38,600	16,400	6,950	3,800	11,450
Health services	36,600	29,700	3,000	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, *Labor Force Data Book* (annual)
<www.state.hi.us/dlir/rs/loihi/LFR/CES1.HTM> accessed February 27, 2002.

**Table 12.13-- JOBCOUNT BY INDUSTRY, BY COUNTIES:
ANNUAL AVERAGES, 2001 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	553,550	411,600	54,350	25,750	61,800
Construction & mining	23,700	16,650	3,100	1,000	2,900
Manufacturing	17,850	14,000	1,600	450	1,800
Durable goods	4,200	3,550	300	50	350
Nondurable goods	13,650	10,450	1,350	400	1,450
Transp., comm., & utilities	42,050	32,950	2,800	1,800	4,550
Transportation	32,200	25,200	2,050	1,550	3,550
Communication	6,400	5,450	300	(NS)	450
Utilities	3,450	2,300	450	(NS)	550
Trade	136,550	97,800	13,600	7,400	17,450
Wholesale	20,700	16,500	2,200	500	1,450
Retail	115,550	81,300	11,400	6,900	15,950
Finance, ins., & real estate	32,700	26,500	2,250	1,100	2,800
Services & miscellaneous	186,100	131,950	19,950	9,800	24,350
Hotels	38,650	16,100	7,150	3,850	11,500
Health services	37,150	30,000	3,100	1,550	2,500
Government	114,950	91,800	11,100	4,150	7,950
Federal	30,050	28,150	1,000	400	550
Air Force	2,100	2,000	(Z)	(Z)	-
Army	4,600	4,550	50	-	-
Navy	8,800	8,700	-	150	-
State	68,150	52,250	7,800	2,650	5,450
Local	16,700	11,400	2,300	1,100	1,900
Agriculture, wage & salary	7,400	2,300	2,650	650	1,750

NS Not shown separately.

Z Fewer than 50.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual)

<<http://www.state.hi.us/dlir/rs/loihi/LFR/CES1.HTM>> accessed February 27, 2002.

Table 12.14-- OCCUPATION: 2000

Occupation	Number	Percent
Employed civilian population 16 years and over	537,909	100.0
Management, professional, and related occupations	173,437	32.2
Service occupations	112,660	20.9
Sales and office occupations	151,025	28.1
Farming, fishing, and forestry occupations	6,909	1.3
Construction, extraction, and maintenance occupations	46,054	8.6
Production, transportation, and material moving occupations	47,824	8.9

Source: U.S. Bureau of the Census, Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000, Geographic area: Hawaii.

Table 12.15-- EMPLOYMENT BY CLASS OF WORKER: 1940 TO 2000

[Persons 14 years and over through 1960; 16 years and over, 1970 to 2000]

Year	All employed civilians	Private wage and salary workers	Government workers	Self-employed workers 1/	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
2000	537,909	381,606	112,999	41,109	2,195

1/ In own not incorporated business.

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; Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000, Geographic area: Hawaii.

Table 12.16-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME, WAGE AND SALARY, AND SELF EMPLOYED: 1969 TO 2000

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	1/ 685,733	1/ 559,047	126,686	18.5
1998	1/ 688,522	1/ 559,040	1/ 129,482	1/ 18.8
1999	1/ 693,891	1/ 561,749	1/ 132,142	1/ 19.0
2000	713,813	578,143	135,670	19.0

1/ Revised.

Source: U.S. Bureau of Economic Analysis, Regional Economic Information System, *State Personal Income 1929-99*, November 2000; *Hawaii SA25*, extracted October 23, 2001.

**Table 12.17-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME:
ANNUAL AVERAGES, 1999**

[Number in thousands]

Population group	Full- and part-time	Full-time		Part-time			
		Total	Not at work	Total	Economic reasons	Non-economic reasons	Not at work
Total	562	452	19	110	23	80	7
Men	276	239	10	37	10	26	2
Women	285	213	9	72	13	55	5
16 to 19 years (both sexes)	23	7	1/	16	1	15	1/

1/ Less than 500 persons.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1999* (Bulletin 2537, June 2001), table 13; 'Full-and part-time' was calculated by Hawaii State Department of Business, Economic Development & Tourism.

**Table 12.18-- OCCUPATION OF EMPLOYED CIVILIANS IN PERCENT, BY SEX:
ANNUAL AVERAGES, 1999**

Occupation	Both sexes	Men	Women
All occupations (number employed in thousands)	561	276	285
Percent	100.0	100.0	100.0
Managerial and professional specialty			
Executive, administrative, and managerial	15.0	15.9	14.1
Professional specialty	14.2	12.6	15.7
Technical, sales, and administrative support			
Technicians and related support	3.1	2.5	3.8
Sales	14.4	11.5	17.2
Administrative support, including clerical	13.9	5.9	21.6
Service occupations	19.1	16.4	21.7
Precision production, craft, and repair	7.3	14.4	0.4
Operators, fabricators, and laborers			
Machine operators, assemblers, and inspectors	2.1	2.7	1.6
Transportation and material moving	2.9	5.1	0.7
Handlers, equipment cleaners, helpers, and laborers	3.5	6.0	1.1
Farming, forestry, and fishing	4.6	7.2	2.0

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1999* (Bulletin 2537, June 2001), table 15.

Table 12.19-- MULTIPLE JOBHOLDERS, NUMBERS AND PERCENT OF EMPLOYED: ANNUAL AVERAGES FOR 1997 TO 2001

Subject	1997	1998	1999	2000	2001
Employed, 16 years and over	556,700	557,200	559,600	569,900	577,400
Multiple jobholders	48,400	49,000	54,800	53,000	(NA)
Percent of employed	8.7	8.8	9.8	9.3	(NA)
Rank (50 States and D.C.) 1/	12	9	4	4	(NA)
U.S.: percent multiple jobholders	6.1	6.0	5.8	5.6	5.4

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 12.20-- 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 12.21-- EMPLOYMENT AND WAGES OF WORKERS COVERED BY
THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT
COMPENSATION FOR FEDERAL EMPLOYEES: 1990 TO 2000**

Year	Number of reporting units, December 1/	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
INCLUDING GOVERNMENT				
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
2000	33,560	552,955	16,935,897	30,628
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
2000	33,554	443,221	12,932,829	29,179
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
2000	32,725	432,185	12,659,300	29,291

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 12.22-- EMPLOYMENT AND WAGES OF WORKERS COVERED BY
THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT
COMPENSATION FOR FEDERAL EMPLOYEES, BY COUNTIES: 2000**

County	Number of reporting units, December	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
INCLUDING GOVERNMENT				
State total	33,560	552,955	16,935,897	30,628
City and County of Honolulu	23,301	408,821	13,033,438	31,881
Hawaii County	4,115	55,242	1,473,847	26,680
Kauai County	1,938	26,509	699,253	26,378
Maui County	4,212	62,383	1,729,360	27,722
EXCLUDING GOVERNMENT				
State total	33,554	443,221	12,932,829	29,179
City and County of Honolulu	23,298	321,582	9,816,244	30,525
Hawaii County	4,112	44,684	1,105,554	24,742
Kauai County	1,935	22,436	555,755	24,771
Maui County	4,209	54,518	1,455,277	26,694

Source: Hawaii State Department of Labor and Industrial Relations, 2000 *Employment and Payrolls in Hawaii* (October 2001).

**Table 12.23-- EMPLOYMENT AND WAGES OF WORKERS COVERED BY
THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT
COMPENSATION FOR FEDERAL EMPLOYEES, BY INDUSTRY: 2000**

Industry	Number of reporting units, December	Average employment	Total wages (\$1,000)	Average annual wage (dollars)
All industries	33,560	552,955	16,935,897	30,628
Government	6	109,734	4,003,068	36,480
Federal	1	30,390	1,397,123	45,973
State	1	62,343	1,958,076	31,408
County	4	17,002	647,869	38,105
Private	33,554	443,221	12,932,829	29,179
Agriculture, forestry, fisheries	829	11,036	273,529	24,785
Mining	15	266	15,156	56,978
Construction	2,759	23,418	1,063,851	45,429
Manufacturing	1,107	17,284	594,121	34,374
Food processing	266	6,724	177,064	26,333
Other manufacturing	841	10,560	417,056	39,494
Transportation	1,449	32,341	1,095,583	33,876
Communications	193	6,519	320,270	49,129
Utilities	118	3,393	213,714	62,987
Wholesale trade	2,641	21,728	754,543	34,727
Retail trade	7,637	115,154	2,099,575	18,233
Eating and drinking places	2,846	50,094	692,144	13,817
Other retail trade	4,791	65,060	1,407,431	21,633
Finance, insurance, real estate	3,991	33,314	1,299,090	38,994
Services	12,595	178,561	5,194,021	29,088
Hotels, rooming houses, etc.	346	38,398	1,090,531	28,401
Health services	2,518	36,559	1,467,504	40,141
Other services	9,731	103,604	2,635,987	25,443
Nonclassifiable establishments	220	207	9,427	45,539

Source: Hawaii State Department of Labor and Industrial Relations, 2000 *Employment and Payrolls in Hawaii* (October 2001).

**Table 12.24-- 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 2000**

[Including government]

Year	Current dollars	1982-1984 dollars 1/	Year	Current dollars	1982-1984 dollars 1/
1969	6,876	17,452	1985	17,335	16,231
1970	7,424	17,889	1986	18,069	16,516
1971	7,677	17,771	1987	19,060	16,588
1972	7,989	17,913	1988	20,454	16,807
1973	8,479	18,195	1989	21,635	16,810
1974	9,087	17,645			
1975	9,767	17,348	1990	23,109	16,734
			1991	24,051	16,251
1976	10,347	17,508	1992	25,532	16,462
1977	10,903	17,557	1993	26,544	16,580
1978	11,630	17,384	1994	26,718	16,242
1979	12,429	16,728	1995	26,983	16,052
1980	13,548	16,323	1996	27,359	16,028
1981	14,471	15,781	1997	28,356	16,496
1982	15,367	15,810	1998	29,029	16,927
1983	16,115	16,229	1999	29,788	17,189
1984	16,714	16,149	2000	30,628	17,373

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 CPI reports.

**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, BY CLASS OF WORKER: 1990 AND 2000**

Class of worker	1990: current dollars	2000		Percent change, 1990-2000	
		Current dollars	Deflated to 1990 current dollars 1/	Current dollars	1990 dollars 2/
All classes	23,156	30,628	23,992	32.3	3.6
Federal	29,088	45,973	36,012	58.1	23.8
State	25,534	31,408	24,603	23.0	-3.7
County	28,275	38,105	29,849	34.8	5.6
Private	22,235	29,179	22,857	31.2	2.8

1/ The all-items consumer price index (CPI-U) for Honolulu increased 27.7 percent from 1990 to 2000.

2/ Percent change from 1990 current dollars to 2000 current dollars that were deflated to 1990 current dollars.

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 CPI reports.

**Table 12.26-- NONGOVERNMENTAL REPORTING UNITS AND EMPLOYMENT,
BY SIZE OF FIRM: DECEMBER 2000**

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	33,569	19,015	6,158	4,081	2,716	930	669
Employment	455,531	30,279	40,659	54,889	81,960	63,137	184,607

Source: Hawaii State Department of Labor and Industrial Relations, *2000 Employment and Payrolls in Hawaii* (October 2001).

**Table 12.27-- ANNUAL WAGES PER EMPLOYEE, TOTAL AND PRIVATE
INDUSTRY: 1990 TO 2000**

[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
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
2000	30,630	29,181	86.8	82.7	5/ 29	5/ 32

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.

3/ Among 49 States and D.C., no data available for New Jersey. Excluding D.C. and New Jersey, Hawaii ranked 24th for all workers and 28th for private workers.

4/ Among 49 States and D.C., no data available for New Jersey. Excluding D.C. and New Jersey, Hawaii ranked 25th for all workers and 30th for private workers.

5/ Among 50 States, D.C., Puerto Rico and Virgin Islands. Excluding D.C., Hawaii ranked 28th for all workers and 31st for private workers. Data are preliminary and subject to revision.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages Annual Averages* (annual report), tables 3 and 5; calculations by Hawaii State Department of Business Economic Development & Tourism.

**Table 12.28-- HOURS AND EARNINGS IN SPECIFIED INDUSTRIES:
ANNUAL AVERAGES, 1996 TO 2001**

Subject	1996	1997	1998	1999	2000	2001
Average weekly earnings (dollars)						
Construction and mining	936.21	957.29	964.40	984.25	1/ 1,065.96	1,016.69
Manufacturing	487.30	496.87	490.87	530.16	1/ 520.50	527.87
Food and kindred products	423.71	427.93	403.90	454.85	2/ (NA)	(NA)
Communication and utilities	863.59	884.38	870.70	898.84	949.70	950.71
Trade	293.78	303.39	306.90	302.23	296.11	295.21
Wholesale trade	445.94	467.87	498.71	524.10	1/ 490.72	478.54
Retail trade	267.33	273.83	273.31	262.43	261.33	263.03
Eating, drinking places	185.67	186.21	189.47	177.28	187.75	186.71
Banking & credit agencies	412.91	434.28	456.74	469.94	1/ 487.54	485.58
Hotels	411.40	422.73	433.90	437.16	442.62	437.78
Average weekly hours						
Construction and mining	36.4	35.8	35.6	35.7	37.6	35.4
Manufacturing	38.1	37.9	37.3	39.3	38.3	37.2
Food and kindred products	37.2	35.9	34.2	36.8	2/ (NA)	(NA)
Communication and utilities	41.8	42.6	41.7	42.1	41.8	41.9
Trade	30.1	30.4	30.6	29.4	29.7	29.2
Wholesale trade	37.1	37.4	38.6	38.2	38.7	38.1
Retail trade	28.9	29.1	29.2	27.8	28.1	27.6
Eating, drinking places	25.4	25.3	25.5	23.7	24.9	24.6
Banking & credit agencies	39.4	40.1	41.0	38.3	38.0	37.7
Hotels	34.0	33.9	34.3	34.1	34.1	32.5
Average hourly earnings (dollars)						
Construction and mining	25.72	26.74	27.09	27.57	1/ 28.35	28.72
Manufacturing	12.79	13.11	13.16	13.49	1/ 13.59	14.19
Food and kindred products	11.39	11.92	11.81	12.36	2/ (NA)	(NA)
Communication and utilities	20.66	20.76	20.88	21.35	22.72	22.69
Trade	9.76	9.98	10.03	10.28	9.97	10.11
Wholesale trade	12.02	12.51	12.92	13.72	1/ 12.68	12.56
Retail trade	9.25	9.41	9.36	9.44	9.30	9.53
Eating, drinking places	7.31	7.36	7.43	7.48	7.54	7.59
Banking & credit agencies	10.48	10.83	11.14	12.27	1/ 12.83	12.88
Hotels	12.10	12.47	12.65	12.82	12.98	13.47

NA Not available.

1/ Revised.

2/ Series discontinued.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual)

<<http://www.hawaii.gov/dlir/rs/loihi/LFR/H&E.HTM>> accessed June 12, 2002.

Table 12.29-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY: 1998 TO 2001

[In dollars]

Job classification	1998	1999	2000	2001 1/
Clerk, entry level	2/ 9.06	2/ 9.74	2/ 9.98	10.27
Cashier	2/ 12.86	2/ 12.75	2/ 13.33	13.39
Secretary	2/ 13.71	2/ 13.93	2/ 14.76	14.46
Switchboard operator	2/ 11.65	2/ 12.22	2/ 11.73	13.00
Bookkeeper, full-charge	2/ 16.09	2/ 15.19	2/ 16.03	17.38
Engineering drafting technician	2/ 18.80	2/ 19.53	2/ 18.92	21.41
Housekeeper	11.07	11.54	11.53	11.79
Cook, general	13.48	15.00	14.59	14.84
Wait help	5.96	5.93	6.02	6.20
Laborer, light	8.98	9.46	9.30	11.21
Carpenter, maintenance	16.36	20.20	18.39	18.60
Electrician, maintenance	21.86	22.90	21.56	21.50
Automotive mechanic	16.58	16.78	18.21	18.56
Truck driver (trailer)	14.12	14.17	13.56	14.64

1/ The 14 job titles are meant to be only illustrative of the 90 reported.

2/ Hourly wages have been calculated by dividing the average annual pay rate by a "year-round, full-time" hours figure with 2,080 hours.

Source: Hawaii Employers Council, *Pay Rates in Hawaii* (annual).

Table 12.30-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY, BY COUNTIES: 2001

[In dollars. Pay rates reported were effective for the period July 1-31, 2001]

Job classification 1/	State	County of Kauai	City and county of Honolulu	County of Maui	County of Hawaii
Clerk, entry level	10.27	...	10.22	12.57	9.02
Cashier	13.39	10.58	13.75	13.25	11.75
Secretary	14.46	12.76	14.57	15.11	12.93
Switchboard operator	13.00	11.51	13.13	13.07	12.18
Bookkeeper, full-charge	17.38	...	17.52	17.02	17.09
Engineering drafting technician	21.41	...	21.76	...	...
Housekeeper	11.79	10.88	11.91	11.79	11.37
Cook, general	14.84	12.00	13.52	16.96	14.41
Wait help	6.20	...	6.33	6.14	5.83
Laborer, light	11.21	...	11.50	11.61	10.56
Carpenter, maintenance	18.60	...	18.68	18.49	18.17
Electrician, maintenance	21.50	...	22.45	19.68	18.26
Automotive mechanic	18.56	15.24	19.18	17.54	15.37
Truck driver (trailer)	14.64	...	14.99	...	13.41

... Jobs reported by fewer than three facilities or when fewer than eight employees were reported.

1/ The 14 job titles are meant to be only illustrative of the 90 reported.

Source: Hawaii Employers Council, *Pay Rates in Hawaii* (Research Report Number 3906, October 2001).

Table 12.31-- WAGES OF HAWAII'S 25 LARGEST OCCUPATIONS: 2000

SOC Code	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 1/
35-3021	Combined food preparation and serving workers, including fast food	25,440	6.44	13,400
41-2031	Retail salespersons	22,710	9.44	19,630
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	12,880	8.79	18,280
41-2011	Cashiers	12,480	8.79	18,290
35-3031	Waiters and waitresses	12,400	8.84	18,400
43-9061	Office clerks, general	12,060	11.04	22,970
37-2012	Maids and housekeeping cleaners	11,310	10.94	22,760
33-9032	Security guards	9,280	8.86	18,440
11-1021	General and operations managers	7,780	33.15	68,950
29-1111	Registered nurses	7,740	26.46	55,040
43-3031	Bookkeeping, accounting, and auditing clerks	7,530	12.98	26,990
43-5081	Stock clerks and order fillers	7,250	10.82	22,510
25-2021	Elementary school teachers, except special education	7,180	2/	38,660
43-4051	Customer service representatives	6,480	12.94	26,910
37-3011	Landscaping and groundskeeping workers	6,440	10.86	22,600
41-1011	First-Line supervisors/managers of retail sales workers	6,290	15.53	32,300
43-6014	Secretaries,except legal, medical, and executive	6,070	13.98	29,090
53-7062	Laborers and freight, stock, and material movers, hand	5,920	11.78	24,510
43-1011	First-line supervisors/managers of office and administrative support workers	5,840	18.85	39,210
49-9042	Maintenance and repair workers, general	5,000	16.05	33,380
35-2021	Food preparation workers	4,950	9.73	20,240
35-2014	Cooks, restaurant	4,660	11.66	24,250
35-1012	First-line supervisors/managers of food preparation and serving workers	4,440	13.07	27,180
53-3033	Truck drivers, light or delivery services	4,400	11.29	23,490
43-6011	Executive secretaries and administrative assistants	4,290	16.51	34,350

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/ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Source: Occupational Employment Statistics, U.S. Bureau of Labor Statistics
http://stats.bls.gov/oes/2000/oes_hi.htm accessed December 18, 2001.

**Table 12.32-- WAGES OF HONOLULU METROPOLITAN STATISTICAL AREA'S
25 LARGEST OCCUPATIONS: 2000**

SOC Code	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 1/
41-2031	Retails salespersons	16,670	9.36	19,460
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	9,880	8.73	18,150
43-9061	Office clerks, general	9,070	10.96	22,790
41-2011	Cashiers	7,800	8.96	18,630
33-9032	Security guards	7,180	8.43	17,530
37-2012	Maids and housekeeping cleaners	5,980	10.50	21,830
29-1111	Registered nurses	5,970	27.13	56,420
43-5081	Stock clerks and order fillers	5,710	11.12	23,140
43-3031	Bookkeeping, accounting, and auditing clerks	5,620	13.19	27,430
11-1021	General and operations managers	5,560	34.30	71,350
43-4051	Customer service representatives	5,170	12.94	26,910
43-6014	Secretaries, except legal, medical and executive	4,580	14.38	29,900
53-7062	Laborers and freight, stock, and material movers, hand	4,460	11.90	24,760
41-1011	First-line supervisors/managers of retail sales workers	4,400	15.54	32,320
43-1011	First-line supervisors/managers of office and administrative support workers	4,140	19.65	40,870
37-3011	Landscaping and groundskeeping workers	3,650	10.28	21,390
43-6011	Executive secretaries and administrative assistants	3,460	16.66	34,660
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	3,390	19.43	40,410
35-2021	Food preparation workers	3,360	9.80	20,390
35-1012	First-line supervisors/managers of food preparation and serving	3,340	12.97	26,970
53-3033	Truck drivers, light or delivery	3,330	11.38	23,660
49-9042	Maintenance and repair workers, general	3,150	16.18	33,660
53-7064	Packers and packagers, hand	3,140	8.57	17,820
25-9041	Teacher assistants	2,860	2/	19,410
43-4181	Reservation and transportation ticket agents and travel clerks	2,840	14.46	30,080

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/ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Source: Occupational Employment Statistics, U.S. Bureau of Labor Statistics
<http://stats.bls.gov/oes/2000/oes_3320.htm> accessed December 18, 2001.

**Table 12.33-- ANNUAL COMPENSATION OF HIGHEST PAID EXECUTIVES OF
HAWAII-BASED PUBLIC FIRMS: 1998 TO 2000**

Annual compensation 1/	1998	1999	2000
Number of firms	7	7	7
Number of executives	17	17	17
Less than \$249,999	-	-	-
\$250,000 to \$499,999	10	4	3
\$500,000 to \$999,999	6	10	10
\$1,000,000 to \$1,999,999	1	3	4
\$2,000,000 or more	-	-	-
Highest (\$1,000)	1,361	1,535	1,611

1/ Includes salary, bonus, stock awards, payments under the companies' long-term incentive plans, and other compensation.

Source: Pacific Business News, *2002 Book of Lists* (December 2001), p. 80.

Table 12.34-- MINIMUM WAGE CHRONOLOGY: 1942 TO 2003

[Dollars per hour. As of July 1, unless otherwise specified. Since January 1, 1970, tip credit allowed under certain circumstances]

Effective date	Oahu	Other islands	Effective date	State	Effective date	State
1942 1/	0.25	0.20	1962	1.15	1980	3.10
1943	0.30	0.25	1964 2/	1.25	1981	3.35
1945	0.40	0.40	1969	1.40	1988 2/	3.85
1953	0.65	0.55	1970 2/	1.60	1992 3/	4.75
1955	0.75	0.65	1974	2.00	1993 2/	5.25
1957	0.90	0.85	1975 2/	2.40	2002 2/	5.75
1958	1.00	1.00	1978	2.65	2003 2/	6.25
			1979	2.90		

1/ At inception of minimum wage law, April 1, 1942.

2/ January 1.

3/ April 1.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office <http://www.hawaii.gov/dlir/rs/loihi/OMI/OTHER/MIN_WAGE.HTM> accessed February 12, 2002.

**Table 12.35-- 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 go \$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 12.36-- NUMBER OF PERSONS AT WORK BY WEEKLY HOURS OF WORK: ANNUAL AVERAGES, 1995 TO 1999

[In thousands]

Weekly hours at work	1995	1996	1997	1998	1999 1/
Total	518	528	528	532	536
1 to 14 hours	29	30	26	25	25
15 to 29 hours	67	77	80	75	77
30 to 34 hours	50	45	49	59	44
35 to 39 hours	26	27	28	28	25
40 hours	218	223	221	217	230
41 to 48 hours	41	37	37	42	45
49 hours and over	88	88	87	87	90

1/ Average hours at work is 38.4 and for persons who usually work full-time is 42.7 hours per week.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1999*, Bulletin 2537 (June 2001), table 19, and earlier reports.

Table 12.37-- INTERSTATE MOVEMENT OF JOB-SEEKERS: 1949 TO 2001

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	1976	7,458	8,334	112
1950	966	1,105	114	1977	5,846	8,154	139
1951	377	1,139	302	1978	4,313	6,261	145
1952	455	1,667	366				
1953	576	1,775	308	1979	4,272	5,250	123
1954	907	1,698	187	1980	5,211	4,956	95
1955	665	1,812	272	1981	5,485	4,396	80
1956	686	1,617	236	1982	5,372	4,848	90
1957	1,100	1,813	165	1983	4,414	4,659	106
1958	1,547	2,219	143	1984	4,123	4,220	102
				1985	4,039	3,993	99
1959	1,280	2,126	166	1986	3,664	3,932	107
1960	1,716	2,595	151	1987	3,805	3,161	83
1961	2,863	3,235	113	1988	3,942	2,974	75
1962	2,966	3,594	121				
1963	2,683	3,787	141	1989	3,961	2,679	68
1964	2,572	3,705	144	1990	5,275	2,910	55
1965	2,257	3,411	151	1991	7,197	3,453	48
1966	1,859	2,655	143	1992	9,554	4,432	46
1967	2,196	3,102	141	1993	9,543	4,356	46
1968	2,014	2,896	144	1994	10,121	4,229	42
				1995	10,115	4,000	40
1969	2,652	3,600	136	1996	8,633	3,338	39
1970	5,078	6,062	119	1997	7,051	2,044	29
1971	6,215	6,908	111	1998	4,366	1,502	34
1972	6,124	5,994	98				
1973	5,255	6,116	116	1999	3,511	1,098	31
1974	5,924	6,988	118	2000	2,845	903	32
1975	7,607	8,785	115	2001	3,423	665	19

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* (annual) and records.

**Table 12.38-- NONFATAL OCCUPATIONAL INJURIES AND ILLNESSES,
PRIVATE SECTOR: 1995 TO 2000**

[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
2000	21,400	6.0	12,400	3.5	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
2000	20,700	5.8	11,900	3.4	8,800

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" <<http://stats.bls.gov/oshstate.htm>> accessed May 10, 2001; <<http://stats.bls.gov/iif/oshwc/osh/os/pr006hi.pdf> and [pr007hi.pdf](http://stats.bls.gov/iif/oshwc/osh/os/pr007hi.pdf)> accessed August 6, 2002.

**Table 12.39-- WORK INJURIES, DEATHS, TIME LOST AND
COMPENSATION COSTS: 1990 TO 2000**

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
2000	31,836	34	1,151,879	231,359

Source: Hawaii State Department of Labor and Industrial Relations, *Workers' Compensation Data Book* (annual).

Table 12.40-- 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 12.41-- UNION AFFILIATION OF EMPLOYED WAGE AND SALARY WORKERS: 2000 AND 2001

[Data refer to the sole or principal job of full- and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated]

Subject	2000	2001
Total employed (1,000)	497	513
Members of unions (1,000) 1/	124	123
Percent of employed	24.8	23.9
Represented by unions (1,000) 2/	129	133
Percent of employed	26.0	25.9

1/ Members of a labor union or an employee association similar to a union.

2/ 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. Department of Labor, Bureau of Labor Statistics, *Annual, Union Members*, table 5
<<http://www.bls.gov/news.release/union2.t05.htm>> accessed March 25, 2002.

**Table 12.42-- LABOR UNIONS AND EMPLOYEE ASSOCIATIONS:
2000**

Subject	Total	AFL-CIO affiliated	Independent
Unions and associations	113	99	14
Membership 1/	181,932	1/ 159,689	2/ 22,243

1/ Data exclude four unions not reporting membership for Hawaii: Electrical Workers Hawaii Local 368, Graphic Communications International Union Local 501-M, Hawaii Printing and Graphic Communications Union Local 413-N, and Marine Firemen, Oilers, Watertenders and Wipers Association, Pacific Coast. The largest memberships were those reported by Hawaii Government Employees Association, AFSCME, Local 152 (40,100); Longshore and Warehouse Union, Local 142 (25,000); Teamsters, Chauffeurs, Warehousemen and Helpers of America, International Brotherhood Airlines Division, Local 986 (16,000); United Public Workers, AFSCME Local 646 (15,437); Hotel Employees & Restaurant Employees Local 5 (10,294).

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). The largest membership was reported by the Hawaii State Teachers Association (12,000).

Source: Hawaii State AFL-CIO, *Directory of Labor Organizations & Affiliates, 2000*; United Public Workers, records.

**Table 12.43-- STATE AND COUNTY EMPLOYEES IN COLLECTIVE
BARGAINING UNITS, BY EMPLOYING JURISDICTION: 1998 TO 2001**

[As of December 31]

Employing jurisdiction	1998	1999	2000	2001
Total	54,090	54,778	56,426	58,084
State of Hawaii	23,357	23,484	22,052	22,639
City and County of Honolulu	8,106	7,995	7,945	8,077
County of Hawaii	1,805	1,815	1,852	1,874
County of Maui	1,649	1,632	1,670	1,705
County of Kauai	865	875	881	908
Dept. of Education	12,416	13,113	13,276	13,707
Judiciary	1,430	1,434	1,445	1,484
University of Hawaii	4,462	4,430	4,539	4,613
Hawaii Health Systems Corporation	1/	1/	2,766	3,077

1/ Included in 'State of Hawaii'.

Source: Hawaii Labor Relations Board, *HLRB Informational Bulletin*, No. 40, June 17, 2002, and earlier issues.

Table 12.44-- 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 12.45-- WORK STOPPAGES: 1990 TO 2001

[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	-	-	-
2001	2	15,100	195,900

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 12.46-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS:
1983 TO 2001**

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	-	-	-	-
2001	2	15,100	195,900	(NA)

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: 2001*, Section 13.

**Table 13.01-- DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES:
1974 TO 2001**

[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	(NA)	1,232.9
1975	366.1	136.7	(NA)	1,354.7
1976	257.0	144.5	(NA)	1,636.5
1977	226.8	161.6	(NA)	1,833.9
1978	285.2	162.8	(NA)	2,149.9
1979	345.7	206.4	(NA)	2,540.6
1980	594.1	226.5	(NA)	2,870.8
1981	327.9	217.6	(NA)	3,195.4
1982	351.5	206.0	(NA)	3,686.8
1983	410.2	219.0	2,197.7	3,847.2
1984	393.0	249.6	2,324.9	4,441.9
1985	340.8	222.5	2,551.6	5,081.4
1986	361.9	238.4	2,484.7	5,917.8
1987	335.9	251.4	2,502.9	6,676.3
1988	324.0	247.0	2,564.1	8,303.8
1989	322.0	241.9	2,805.8	8,905.1
1990	328.9	215.9	2,602.6	9,082.1
1991	270.7	224.6	2,935.8	9,817.7
1992	237.6	197.7	2,895.8	9,310.9
1993	251.9	140.6	2,928.2	8,472.3
1994	247.9	134.1	3,212.2	10,253.9
1995	200.2	135.0	2,900.6	11,107.2
1996	168.8	147.0	3,258.1	10,166.8
1997	132.5	136.7	3,178.6	10,491.0
1998	133.1	145.1	3,394.4	10,309.2
1999	131.3	144.8	3,355.8	10,279.7
2000	95.6	132.2	3,473.0	10,918.1
2001	(NA)	(NA)	3,727.6	10,121.2

NA not available.

1/ Excludes government sugar support payments.

2/ Data for 1974-2000 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.

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, Tourism Research Branch, Annual Visitor Research Report (annual) and records; and U.S. Census Bureau, *Consolidated Federal Funds Report* (annual) and for 1993-2001 <<http://harvester.census.gov/cffr/index.html>> accessed July 18, 2002.

Table 13.02-- GROSS STATE PRODUCT, PER CAPITA GROSS STATE PRODUCT AND RESIDENT POPULATION: 1977 TO 2000

[Current and real dollar GSP series for 1977-1999 were revised based on Gross State Product revision released by U.S. Bureau of Economic Analysis, June 10, 2002. 1977-1984 estimates of Real GSP were calculated by multiplying the Real dollar GSP for 1996, the base year, by the Chained 1996 quantity index for the years 1977-1984 divided by 100. Per capita estimates were calculated by DBEDT using U.S. Census resident population estimates revised on April 17, 2002]

Year	Gross state product		Per capita gross state product		Resident Population 1/
	Millions of current dollars	Millions of 1996 dollars	Current dollars	1996 dollars	
1977	9,390	23,506	10,254	11,197	915,749
1978	10,520	24,556	11,326	12,194	928,816
1979	11,978	25,943	12,608	13,271	950,050
1980	13,435	26,618	13,883	14,347	967,710
1981	14,524	26,093	14,848	15,179	978,195
1982	15,506	26,093	15,603	15,701	993,780
1983	16,909	27,030	16,697	16,487	1,012,717
1984	18,550	27,855	18,046	17,556	1,027,922
1985	19,991	28,567	19,228	18,494	1,039,698
1986	21,536	29,464	20,476	19,468	1,051,762
1987	23,421	30,913	21,931	20,537	1,067,917
1988	26,019	33,028	24,096	22,314	1,079,827
1989	28,811	35,309	26,321	24,047	1,094,588
1990	32,268	38,134	28,979	26,025	1,113,491
1991	34,002	38,516	29,911	26,313	1,136,754
1992	35,549	39,120	30,682	26,482	1,158,613
1993	36,308	38,809	30,957	26,395	1,172,838
1994	36,766	38,332	30,960	26,071	1,187,536
1995	37,243	37,948	31,117	25,999	1,196,854
1996	37,490	37,490	31,144	25,873	1,203,755
1997	38,537	37,668	31,806	26,250	1,211,640
1998	39,371	37,622	32,398	26,660	1,215,233
1999	40,486	37,863	33,451	27,639	1,210,300
2000	42,364	38,582	34,946	28,826	1,212,281

1/ As of July 1. The resident population for April 1, 1980 was 964,691, April 1, 1990 was 1,108,229 and April 1, 2000 was 1,211,537.

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry: 1977-2000, June 10, 2002 and <<http://www.bea.doc.gov/bea/regional/data.html>> accessed June 10, 2002; and U.S. Census Bureau, Population Division, "Table CO-EST2001-12-15 - Time Series of Hawaii Intercensal Population Estimates by County: April 1, 1990 to April 1, 2000" (April 17, 2002) <<http://eire.census.gov/popest/data/counties/tables/CO-EST2001-12/CO-EST2001-12-15.php>> accessed June 19, 2002; and "Table ST-2001EST-01 - Time Series of State Population Estimates: April 1, 2000 to July 1, 2001" (December 27, 2001) and <<http://eire.census.gov/popest/data/states/populartables/table01.php>> accessed June 19, 2002.

**Table 13.03-- GROSS STATE PRODUCT,
HAWAII AND UNITED STATES: 1977 TO 2000**

[1977-1984 estimates of Real GSP were calculated by multiplying the Real dollar GSP for 1996, the base year, by the Chained 1996 quantity index for the years 1977-1984 divided by 100]

Year	Hawaii			United States		
	Millions of dollars		Chained 1996 quantity index (1996=100)	Millions of dollars		Chained 1996 quantity index [1996=100]
	Current	Real chained (1996) dollars		Current	Real chained (1996) dollars	
1977	9,390	23,506	62.7	1,985,693	4,521,518	58.6
1978	10,520	24,556	65.5	2,249,045	4,768,427	61.8
1979	11,978	25,943	69.2	2,503,867	4,915,029	63.7
1980	13,435	26,618	71.0	2,731,618	4,907,313	63.6
1981	14,524	26,093	69.6	3,069,751	5,030,767	65.2
1982	15,506	26,093	69.6	3,217,626	4,945,893	64.1
1983	16,909	27,030	72.1	3,446,583	5,092,495	66.0
1984	18,550	27,855	74.3	3,866,334	5,478,290	71.0
1985	19,991	28,564	76.2	4,151,449	5,702,051	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	39,371	37,622	100.4	8,750,174	8,502,663	110.2
1999	40,486	37,863	101.0	9,279,697	8,915,954	115.6
2000	42,364	38,582	102.9	9,941,552	9,314,279	120.7

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry: 1977-2000, June 10, 2002 and <<http://www.bea.doc.gov/bea/regional/gsp/>> accessed June 10, 2002; and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 13.04-- GROSS STATE PRODUCT, BY INDUSTRY: 1977 TO 2000

[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 1998-1999 are revised]

Industry	1977	1982	1987	1992	1997	1998	1999	2000
Total, all industries	9,390	15,506	23,421	35,549	38,537	39,371	40,486	42,364
Private industries	6,785	11,418	17,897	27,875	30,066	30,745	31,625	33,290
Agriculture, forestry, fisheries	217	340	445	499	463	472	495	509
Farms	187	293	343	311	282	288	299	296
Ag. serv, forestry, fisheries	31	47	102	188	181	184	196	212
Mining	1/	3	14	39	44	41	39	44
Construction	577	735	1,174	2,200	1,612	1,618	1,649	1,853
Manufacturing	518	698	1,005	1,254	1,063	1,013	1,208	1,296
Transp, commun, utilities	943	1,469	2,343	3,413	3,915	3,963	4,138	4,288
Wholesale trade	456	652	910	1,369	1,481	1,506	1,518	1,602
Retail trade	993	1,632	2,526	3,812	4,332	4,335	4,392	4,663
Finance, insurance, real estate	1,588	3,159	5,109	8,005	8,737	9,175	9,349	9,520
Real estate	1,260	2,461	3,824	6,454	7,120	7,154	7,392	7,466
Services	1,492	2,731	4,371	7,285	8,419	8,622	8,835	9,515
Hotels	427	768	1,097	1,701	2,106	2,056	2,127	2,324
Health services	312	603	988	1,766	2,134	2,219	2,249	2,382
Other than hotels and health	753	1,360	2,286	3,818	4,179	4,347	4,459	4,809
Government	2,604	4,088	5,523	7,674	8,471	8,626	8,861	9,074
Federal government	1,730	2,686	3,687	4,515	4,818	4,940	5,033	5,301
Civilian	681	1,125	1,414	1,730	2,004	2,127	2,204	2,356
Military	1,049	1,561	2,273	2,785	2,814	2,813	2,829	2,945
State and local government	874	1,402	1,836	3,159	3,653	3,686	3,828	3,774

1/ Less than \$500,000.

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry, June 10, 2002 and <<http://www.bea.doc.gov/bea/regional/gsp/>>, accessed June 10, 2002 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.05-- TOTAL AND PER CAPITA PERSONAL INCOME
FOR THE UNITED STATES AND HAWAII: 1969 TO 2001**

[Population estimates 1990 through 2000 are revised. 1998-2000 income data are revised.
2001 data are preliminary]

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	249,622,814	1,113,491	19,572	22,375	114.3
1991	5,065,416,000	26,197,700	252,980,941	1,136,754	20,023	23,046	115.1
1992	5,376,622,000	27,859,163	256,514,224	1,158,613	20,960	24,045	114.7
1993	5,598,446,000	29,067,950	259,918,588	1,172,838	21,539	24,784	115.1
1994	5,878,362,000	29,740,250	263,125,821	1,187,536	22,340	25,044	112.1
1995	6,192,235,000	30,201,631	266,278,393	1,196,854	23,255	25,234	108.5
1996	6,538,103,000	30,393,181	269,394,284	1,203,755	24,270	25,249	104.0
1997	6,928,545,000	31,218,274	272,646,925	1,211,640	25,412	25,765	101.4
1998	7,418,497,000	31,840,842	275,854,104	1,215,233	26,893	26,201	97.4
1999	7,769,367,000	32,436,090	279,040,168	1,210,300	27,843	26,800	96.3
2000	8,314,032,000	33,763,192	282,124,631	1,212,281	29,469	27,851	94.5

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income and News Release BEA 02-10 April 23, 2002 and <<http://www.bea.gov/bea/regional/spi/>> accessed July 22, 2002; and calculations 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 2001**

[Population estimates 1990 through 2000 are revised. 1998-2000 income data are revised.
2001 data are preliminary]

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	249,622,814	1,113,491	17,135	19,415	113.3
1991	4,456,298,000	22,831,179	252,980,941	1,136,754	17,615	20,085	114.0
1992	4,741,900,000	24,460,827	256,514,224	1,158,613	18,486	21,112	114.2
1993	4,924,782,000	25,580,551	259,918,588	1,172,838	18,947	21,811	115.1
1994	5,156,671,000	26,237,350	263,125,821	1,187,536	19,598	22,094	112.7
1995	5,414,784,000	26,674,456	266,278,393	1,196,854	20,335	22,287	109.6
1996	5,669,393,000	26,730,444	269,394,284	1,203,755	21,045	22,206	105.5
1997	5,960,749,000	27,370,528	272,646,925	1,211,640	21,863	22,590	103.3
1998	6,349,151,000	27,846,050	275,854,104	1,215,233	23,016	22,914	99.6
1999	6,611,243,000	28,236,334	279,040,168	1,210,300	23,693	23,330	98.5
2000	7,027,033,000	29,275,618	282,124,631	1,212,281	24,908	24,149	97.0
2001	7,316,001,511	30,377,260	284,796,887	1,224,398	25,688	24,810	96.6

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income and News Release BEA 02-10 April 23, 2002 and <<http://www.bea.gov/bea/regional/spi/>> accessed July 22, 2002; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.07-- PERSONAL INCOME BY MAJOR SOURCES: 1996 TO 2000

[In thousands of dollars. 1998 and 1999 data are revised]

Item	1996	1997	1998	1999	2000
PERSONAL INCOME	30,393,181	31,218,274	31,853,602	32,449,747	33,775,622
Earnings By Place of Work	22,303,352	22,698,511	23,082,275	23,573,472	24,662,202
Wage and salary disbursements	16,856,318	17,344,072	17,736,749	18,276,777	19,254,056
Other labor income	3,131,662	3,005,356	2,917,379	2,748,819	2,799,016
Proprietors' income	2,315,372	2,349,083	2,428,147	2,547,876	2,609,130
Farm proprietors' income	898	12,107	24,582	27,725	10,069
Nonfarm proprietors' income	2,314,474	2,336,976	2,403,565	2,520,151	2,599,061
Dividends, interest, and rent	5,583,548	5,989,819	6,237,856	6,260,695	6,388,589
Transfer payments	3,722,523	3,765,071	3,804,481	3,927,889	4,089,282
Less: Pers. cont. for social insur.	1,216,242	1,235,127	1,271,010	1,312,309	1,364,451
Earnings By Industry	2,474,542	2,500,577	23,082,275	23,573,472	24,662,202
Farm Earnings	160,068	163,601	195,192	216,928	199,709
Nonfarm Earnings	2,314,474	2,336,976	22,887,083	23,356,544	24,462,493
Private Earnings	15,490,491	15,543,041	15,838,041	16,194,962	17,180,697
Ag. serv., forestry, fishing & oth	134,877	135,393	134,275	140,786	149,655
Mining	20,809	19,608	21,610	24,463	25,956
Construction	1,417,306	1,308,481	1,302,091	1,316,310	1,471,023
Manufacturing	754,378	705,653	694,390	713,381	755,871
Transport. and public utilities	1,739,106	1,770,887	1,794,059	1,840,507	1,936,168
Wholesale trade	784,853	776,028	812,550	835,241	870,564
Retail trade	2,558,144	2,593,652	2,567,725	2,622,964	2,761,684
Finance, insur., and real estate	1,817,670	1,847,056	1,884,631	1,962,201	1,964,263
Services	6,263,348	6,386,283	6,626,710	6,739,109	7,245,513
Gov't and gov't enterprises	6,652,793	6,991,869	7,049,042	7,161,582	7,281,796
Federal	3,821,533	4,012,535	4,081,879	4,129,542	4,341,881
Federal, civilian	1,539,259	1,689,976	1,784,918	1,835,507	1,960,048
Military	2,282,274	2,322,559	2,296,961	2,294,035	2,381,833
State and local	2,831,260	2,979,334	2,967,163	3,032,040	2,939,915

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income
 <<http://www.bea.doc.gov/bea/regional/spi>> September 24, 2001 as accessed September 24, 2001; and
 tabulations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 13.08-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1969 TO 2000**

[Data for 1998-99 have been revised. Per capita personal income was computed using Census Bureau midyear population estimates. Estimates for 1990-2001 reflect county population estimates available as of April 2002]

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	31,840,842	24,913,773	6,927,069	2,826,685	1,259,057	2,841,327
1999	32,436,090	25,263,330	7,172,760	2,897,747	1,305,851	2,969,162
2000	33,763,192	26,234,839	7,528,353	3,043,555	1,364,772	3,120,026

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**Table 13.08-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1969 TO 2000-- 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	22,375	23,758	18,160	16,603	18,673	19,759
1991	23,046	24,566	18,529	17,039	19,458	19,854
1992	24,045	26,108	17,996	17,536	12,533	21,292
1993	24,784	26,526	19,772	17,885	20,412	21,733
1994	25,044	26,776	20,116	18,118	20,933	22,111
1995	25,234	27,017	20,252	18,161	21,467	22,157
1996	25,249	27,069	20,228	18,425	21,143	21,912
1997	25,765	27,748	20,356	18,495	21,346	22,080
1998	26,201	28,091	21,098	19,383	21,767	22,795
1999	26,800	28,744	21,644	19,717	22,413	23,535
2000	27,851	29,960	22,365	20,399	23,312	24,211

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**Table 13.08-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND
POPULATION BY COUNTY: 1969 TO 2000-- Con.**

Year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui and Kalawao
POPULATION, AS OF JULY 1						
1969	743,000	603,438	139,562	63,104	30,044	46,414
1970	762,920	623,756	139,164	63,549	29,620	45,995
1971	791,580	633,043	158,537	73,508	33,245	51,784
1972	818,104	664,830	153,274	69,922	31,864	51,488
1973	841,851	683,772	158,079	72,856	32,530	52,693
1974	858,121	698,033	160,088	73,891	32,536	53,661
1975	875,052	707,866	167,186	77,212	33,305	56,669
1976	892,335	716,911	175,424	80,481	34,770	60,173
1977	915,749	734,962	180,787	82,610	35,414	62,763
1978	928,816	740,505	188,311	85,661	36,700	65,950
1979	950,050	753,428	196,622	89,069	38,016	69,537
1980	967,710	763,820	203,890	92,897	39,369	71,624
1981	978,195	767,573	210,622	96,122	40,457	74,043
1982	993,780	776,075	217,705	98,798	41,804	77,103
1983	1,012,717	789,097	223,620	100,764	42,796	80,060
1984	1,027,922	797,791	230,131	103,528	43,634	82,969
1985	1,039,698	804,294	235,404	105,900	44,357	85,147
1986	1,051,762	810,444	241,318	108,362	45,567	87,389
1987	1,067,917	818,447	249,470	111,735	47,203	90,532
1988	1,079,827	824,072	255,755	113,439	48,549	93,767
1989	1,094,588	831,337	263,251	116,585	49,847	96,819
1990	1,113,491	838,534	274,957	121,572	51,676	101,709
1991	1,136,754	850,510	286,244	127,266	53,379	105,599
1992	1,158,613	863,959	294,654	131,630	54,439	108,585
1993	1,172,838	870,348	302,490	135,085	55,461	111,944
1994	1,187,536	878,591	308,945	137,713	56,478	114,754
1995	1,196,854	881,399	315,455	140,492	57,068	117,895
1996	1,203,755	883,443	320,312	141,935	57,688	120,689
1997	1,211,640	886,711	324,929	144,445	57,712	122,772
1998	1,215,233	886,909	328,324	145,833	57,843	124,648
1999	1,210,300	878,906	331,394	146,970	58,264	126,160
2000	1,212,281	875,670	336,611	149,199	58,545	128,867

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economic Information System, Metropolitan Area Personal Income, May 6, 2002
 <<http://www.bea.doc.gov/bea/regional/reis/>> accessed May 6, 2002 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>> accessed July 19, 2002.

Table 13.10-- MEDIAN INCOME OF HOUSEHOLDS, FAMILIES, UNRELATED INDIVIDUALS, AND PERSONS: 1949 TO 1999

[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
1999	49,820	56,961	(NA)	(NA)	(NA)

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); and U.S. Census Bureau, *Census 2000, Table DP-3 Profile of Selected Economic Characteristics: 2000* (for 1999 data) <<http://www.hawaii.gov/dbedt/census2k/profile-state/index.html>> accessed July 23, 2002.

Table 13.11-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN THE UNITED STATES AND HAWAII: 1974 TO 2000

[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 two-year moving averages for a given state's year-to-year 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	6	114.7
1992	44,251	50,856	6	114.9
1993	45,161	54,856	5	121.5
1994	47,012	56,992	4	121.2
1995 3/	49,687	54,749	5	110.2
1996	51,518	57,909	6	112.4
1997	53,350	58,474	6	109.6
1998 4/	56,061	61,540	10	109.8
1999	59,981	66,402	9	110.7
2000	62,228	65,872	10	105.9

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.

4/ In 1999, The U.S. Bureau of Economic Analysis revised its methodology in estimating personal per capita income.

Source: U.S. Bureau of the Census, Median Income for 4-Person Families, By State, 1974-00 (FY 77-2003) <<http://www.census.gov/hhes/income/4person.html>> accessed July 17, 2002; *Federal Register Vol. 67, No. 20*, Wednesday, January 30, 2002; 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 2000 DOLLARS: 1984 TO 2000**

[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	35,907	...	147
1985-86	36,896	2.8	161
1986-87	37,722	2.2	156
1987-88	38,104	1.0	157
1988-89	38,644	1.4	169
1989-90	38,713	0.2	169
1990-91	37,880	-2.2	154
1991-92	37,140	-2.0	145
1992-93	36,856	-0.8	143
1993-94	36,941	0.2	140
1994-95	37,699	2.1	161
1995-96	38,530	2.2	171
1996-97	39,196	1.7	156
1997-98	40,313	2.8	176
1998-99	41,610	3.2	182
1999-00	42,168	1.3	162

Year	Median income, 2-year moving averages		
	Hawaii	Percent change	Standard error
1984-85	45,134	...	1,706
1985-86	44,093	-2.3	1,663
1986-87	47,407	7.5	1,392
1987-88	48,772	2.9	1,507
1988-89	46,857	-3.9	1,594
1989-90	48,609	3.7	1,482
1990-91	48,053	-1.1	1,576
1991-92	48,473	0.9	1,543
1992-93	50,497	4.2	1,564
1993-94	49,408	-2.2	2,006
1994-95	48,375	-2.1	1,783
1995-96	46,889	-3.1	1,457
1996-97	44,731	-4.6	1,474
1997-98	43,440	-2.9	1,667
1998-99	44,473	2.4	1,781
1999-00	46,945	5.6	1,587

1/ Median income in 2000 CPI-U adjusted dollars. Base year was 1999 in *Data Book 2000*.

Source: U.S. Bureau of the Census, Historical Income Tables - Households, released September 19, 2001. Table H-8A. Median Money Income of Households, by State: 1984 to 2000 (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 2000 DOLLARS: 1984 TO 2000**

[Based on small samples and subject to considerable sampling variation. From survey made in March or April of following year. The Census Bureau 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	36,453	130	22-23
1985-87	37,230	134	23-24
1986-88 3/	37,918	134	23-24
1987-89	38,395	139	22-23
1988-90	38,578	142	21-22
1989-91	38,246	137	20-21
1990-92	37,575	128	23-24
1991-93	37,008	122	23-24
1992-94	36,949	120	23-24
1993-95	37,381	131	22-23
1994-96	38,065	138	22-23
1995-97	38,885	140	22-23
1996-98	39,808	144	22-23
1997-99	40,938	148	22-23
1998-00	41,789	148	22-23
Year	Median income, 3-year moving averages		
	Hawaii	Standard error	Rank 2/
1984-86	44,669	1,406	5
1985-87	46,420	1,313	5
1984-87	47,094	1,264	6
1987-89	48,263	1,287	5
1988-90	47,895	1,323	6
1989-91	47,783	1,309	6
1990-92	48,973	1,307	3
1991-93	49,042	1,346	3
1992-94	49,877	1,549	2
1993-95	48,977	1,529	2
1994-96	47,471	1,457	3
1995-97	45,858	1,197	5
1996-98	44,181	1,397	14
1997-99	44,248	1,396	16
1998-00	45,657	1,471	15

1/ Median income in 2000 CPI-U adjusted dollars. Base year was 1999 in *Data Book 2000*.

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
PERCENT OF FAMILIES AND PERSONS BELOW POVERTY LEVEL,
FOR COUNTIES AND SELECTED URBAN PLACES: 1999**

Geographic area	Median income (dollars)		Percent below poverty level 1/	
	Households	Families	Persons	Families
The State	49,820	56,961	10.7	7.6
Counties:				
Hawaii	39,805	46,480	15.7	11.0
Honolulu	51,914	60,118	9.9	7.0
Kalawao	9,333	26,250	40.1	-
Kauai	45,020	51,378	10.5	8.4
Maui	49,489	55,277	10.5	7.7
Census designated places				
Hilo	39,139	48,150	17.1	11.1
Honolulu	45,112	56,311	11.8	7.9
Kailua (Oahu)	72,784	79,118	5.4	3.3
Kaneohe	66,006	71,316	6.1	4.4
Pearl City	62,036	67,246	6.2	4.0
Waipahu	49,444	51,855	13.8	10.6
Kahului	46,656	52,610	11.8	9.7
Lihue	44,906	56,875	4.6	1.7

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. Census Bureau, Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000
<<http://www.hawaii.gov/dbedt/census2k/profile-state/index.html>>,
<<http://www.hawaii.gov/dbedt/census2k/profile-hawaii/index.html>>,
<<http://www.hawaii.gov/dbedt/census2k/profile-honolulu/index.html>>,
<<http://www.hawaii.gov/dbedt/census2k/profile-kauai/index.html>>, and
<<http://www.hawaii.gov/dbedt/census2k/profile-maui/index.html>> accessed July 23, 2002.

Table 13.15-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, STATE: 1995 TO 1998 AND BY COUNTY: 1995, 1997 AND 1998

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	4/ 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	43,677	137,386	11.7	54,407	17.9
1997 3/					
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	5/ 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
1998 3/					
The State	41,627	122,841	10.5	44,568	15.0
Counties:					
Hawaii	34,411	21,448	15.1	7,815	19.4
Honolulu	44,934	82,253	9.7	29,747	14.3
Kalawao	6/ 9,859	2/ -	2/ -	2/ -	2/ -
Kauai	38,553	6,428	11.3	2,402	15.4
Maui	40,635	12,712	10.4	4,605	14.1

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. 1990 Census figures show that there are few poor; the model-based estimates are set to zero and the confidence intervals are not formed.

3/ Congressional action required state estimates of poverty every year and local estimates every two years. The local estimates were available for only odd-numbered years prior to 1998.

4/ Prediction variables were unavailable. Estimates shown are 1990 census values inflated to 1995 dollars.

5/ Prediction variables were unavailable. Estimates shown are 1990 census values inflated to 1997 dollars.

6/ Prediction variables were unavailable. Estimates shown are 1990 census values inflated to 1998 dollars.

Source: U.S. Bureau of the Census, Small Area Income and Poverty Estimates Program, February 12, 1999; *ibid.* November 3, 1999; *ibid.* November 16, 2000; and *ibid.* December 19, 2001; and accessed December 21, 2001 <<http://www.census.gov/hhes/www/saipe/stcty/estimate.html>> or <<http://www.census.gov/hhes/www/saipe/stcty/sc98ftpdoc.html>>. 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 1999, BY GEOGRAPHIC AREAS: 2000

Subject	State total	City and County of Honolulu	County of Hawaii	County of Kalawao	County of Kauai	County of Maui
Households	403,572	286,731	52,945	132	20,201	43,563
With earnings	334,392	239,649	41,559	73	16,346	36,765
Mean earnings (dollars)	58,733	60,958	48,098	19,528	53,740	58,549
With Social Security income	112,350	78,836	15,844	44	6,056	11,570
Mean Social Security income (dollars)	11,611	11,622	11,546	8,138	11,372	11,771
With Supplemental Security income	14,455	10,067	2,289	-	637	1,462
Mean Supplemental Security income (dollars)	6,515	6,507	6,524	-	7,246	6,234
With public assistance income	28,886	19,423	5,158	-	1,573	2,732
Mean public assistance income (dollars)	4,616	4,647	4,630	-	4,371	4,511
With retirement income	85,662	62,909	10,857	29	4,251	7,616
Mean retirement income (dollars)	20,419	21,281	18,243	7,210	16,942	18,396
Per capita income (dollars)	21,525	21,998	18,791	13,757	20,301	22,033

Source: U.S. Census Bureau, Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000
 <<http://www.hawaii.gov/dbedt/census2k/profile-state/index.html>> accessed July 23, 2002.

**Table 13.18-- POVERTY STATUS OF PERSONS: 1969, 1975, AND
1979 TO 2000**

[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	1988	117,000	11.1
1975	67,000	7.9	1989	122,000	11.3
1979	91,618	9.9	1990	121,000	11.0
1989	88,408	8.3	1991	90,000	7.7
			1992	129,000	11.0
CPS: 1/					
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
1987	95,000	8.8	2000 2/	106,000	9.7

1/ Current Population Survey. Based on small samples and subject to considerable sampling variation.

2/ Standard error in 2000 was 1.71 for the poverty rate. For the entire United States in 2000, the poverty rate was 11.3 percent with a standard error of 0.19. Hawaii's poverty rate had a rank of 28 in 2000, 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); *1999* (p. 485) and *2000* (p. 444). For 1998 to 2000: 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 January 28, 2002 and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.19-- POVERTY STATUS IN 1999, FOR THE STATE AND COUNTIES: 2000

[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 1999 of families and persons surveyed in April 2000]

Subject	State total	City & County of Honolulu	Hawaii County	Kalawao County	Kauai County	Maui County
All families	22,101	14,477	4,084	-	1,224	2,316
Percent below poverty level	7.6	7.0	11.0	-	8.4	7.7
With related children under 18 years	17,182	11,108	3,334	-	995	1,745
Percent below poverty level	11.3	10.3	17.1	-	12.3	10.6
With related children under 5 years	8,470	5,476	1,556	-	434	1,004
Percent below poverty level	13.9	12.3	22.3	-	14.7	15.4
Female householder families	10,024	6,616	1,843	-	608	957
Percent below poverty level	20.6	19.2	28.1	-	24.5	18.9
With related children under 18 years	8,737	5,671	1,684	-	528	854
Percent below poverty level	29.5	28.3	37.0	-	30.5	25.6
With related children under 5 years	3,879	2,441	747	-	215	476
Percent below poverty level	37.4	34.2	49.7	-	38.7	40.9
All individuals	126,154	83,937	22,821	59	6,085	13,252
Percent below poverty level	10.7	9.9	15.7	40.1	10.5	10.5
18 years and over	85,612	57,782	14,619	59	3,985	9,167
Percent below poverty level	9.6	9.0	13.5	4.1	9.3	9.7
65 years and over	11,683	8,614	1,391	44	546	1,088
Percent below poverty level	7.4	7.4	7.2	60.3	6.8	7.5
With related children under 18 years	38,730	25,080	7,873	-	1,994	3,783
Percent below poverty level	13.5	12.4	21.0	-	13.2	12.0
With related children under 5 years	27,159	17,612	5,718	-	1,455	2,374
Percent below poverty level	12.9	12.0	19.8	-	12.6	10.1
Unrelated individuals 15 years and over	46,365	31,136	7,819	59	1,958	5,393
Percent below poverty level	24.4	23.8	30.4	50.0	22.0	22.1

Source: U.S. Census Bureau, Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000
<http://www.hawaii.gov/dbedt/census2k/profile-state/index.html> accessed July 23, 2002.

Table 13.20-- POVERTY INCOME GUIDELINES: 1993 TO 2002

[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	1	2	3	4 1/	5	6	7	8	Add'n member
Feb. 12, 1993	8,040	10,860	13,680	16,500	19,320	22,140	24,960	27,780	2,820
Feb. 10, 1994	8,470	11,320	14,170	17,020	19,870	22,720	25,570	28,420	2,850
Feb. 9, 1995	8,610	11,550	14,490	17,430	20,370	23,310	26,250	29,190	2,940
Mar. 4, 1996	8,910	11,920	14,930	17,940	20,950	23,960	26,970	29,980	3,010
Mar. 10, 1997	9,070	12,200	15,330	18,460	21,590	24,720	27,850	30,980	3,130
Feb. 24, 1998	9,260	12,480	15,700	18,920	22,140	25,360	28,580	31,800	3,220
Mar. 19, 1999	9,490	12,730	15,970	19,210	22,450	25,690	28,930	32,170	3,240
Feb. 15, 2000	9,590	12,930	16,270	19,610	22,950	26,290	29,630	32,970	3,340
Feb. 16, 2001	9,890	13,360	16,830	20,300	23,700	27,240	30,710	34,180	3,470
Feb. 14, 2002	10,200	13,740	17,280	20,820	24,360	27,900	31,440	34,980	3,540

1/ For 2002, corresponding levels for four-person families elsewhere in the United States were \$18,100 on the Mainland and \$22,630 in Alaska. For 2001, levels were \$17,650 on the Mainland and \$22,070 in Alaska. For 2000, \$17,050 on the Mainland and \$21,320 in Alaska. For 1999, \$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, February 16, 2001, and February 14, 2002. Also for 1994-1999 <http://www.access.gpo.gov/su_docs/aces/aces140.html>; for 2000, under Health and Human Services <http://www.access.gpo.gov/su_docs/fedreg/a000215c.html>; for 2001, under Health and Human Services <http://www.access.gpo.gov/su_docs/fedreg/a010216c.html>; for 2002, under Health and Human Services <http://www.access.gpo.gov/su_docs/fedreg/a020214c.html> accessed March 19, 2002.

Table 13.21-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU: 1993-1994 TO 1999-2000

[Annual averages for two-year periods. No data were released for 1995-1996]

Item	1993-94	1994-95	1996-97	1997-98	1998-99	1999-2000
Average annual expenditures	43,214	40,999	41,992	42,636	42,474	41,972
Food	6,815	5,918	5,672	6,206	6,300	5,771
Food at home	3,899	3,292	3,493	3,479	3,423	3,278
Cereals and bakery products	606	504	517	523	501	485
Meats, poultry, fish, and eggs	1,144	882	923	974	935	828
Dairy products	294	258	304	281	298	308
Fruits and vegetables	751	629	717	725	690	649
Other food at home	1,105	1,020	1,033	976	999	1,009
Food away from home	2,916	2,626	2,179	2,727	2,877	2,493
Alcoholic beverages	417	440	381	467	406	409
Housing	14,301	14,168	13,638	14,775	14,676	14,084
Shelter	9,957	9,720	9,371	10,233	10,079	9,717
Owned dwellings	5,399	5,244	5,458	6,290	6,156	5,704
Rented dwellings	3,896	3,734	3,584	3,602	3,403	3,404
Other lodging	662	742	329	341	520	610
Utilities, fuels, and public serv.	1,835	1,837	1,975	2,011	2,032	2,113
Household operations	532	653	387	419	514	630
Housekeeping supplies	489	446	526	540	554	497
Housefurnishings and equipment	1,489	1,511	1,379	1,571	1,497	1,127
Apparel and services	1,712	1,485	2,215	1,876	1,995	1,974
Transportation	2,259	6,350	7,955	6,845	5,354	5,775
Vehicle purchases (net outlay)	2,259	2,231	3,521	2,394	999	1,553
Gasoline and motor oil	937	911	1,046	1,111	1,060	1,071
Other vehicle expenses	2,246	2,329	2,357	2,427	2,262	2,101
Public transportation	942	879	1,032	913	1,033	1,050
Health care	1,910	1,848	1,618	1,905	2,188	2,211
Entertainment	1,870	1,958	2,041	1,906	2,083	1,997
Personal care prod. and services	528	502	709	617	638	702
Reading	233	230	216	207	193	182
Education	1,428	1,117	847	1,141	1,147	906
Tobacco prod. and smoking sup.	257	227	280	222	217	230
Miscellaneous	1,324	1,275	964	962	978	978
Cash contributions	1,253	1,113	892	782	1,410	1,926
Personal insurance and pensions	4,781	4,368	4,564	4,724	4,890	4,826
Life and other personal insur.	594	546	743	777	687	655
Pensions and Social Security	4,187	3,822	3,821	3,947	4,203	4,171

Continued on next page.

**Table 13.21-- AVERAGE ANNUAL EXPENDITURES AND OTHER
CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU:
1993-1994 TO 1999-2000--Con.**

Item	1993-94	1994-95	1996-97	1997-98	1998-99	1999-2000
Consumer unit characteristics:						
Number of consumer units	257,000	274,000	263,000	275,000	298,000	294,000
Income before taxes (dollars) 1/	52,064	51,847	49,255	53,461	53,537	51,906
Age of reference person	49.3	49.8	49.6	50.4	51.9	52.6
Number of persons	2.8	2.7	2.9	3.0	2.9	2.7
Number of children under 18	0.7	0.6	0.7	0.8	0.7	0.6
Number of persons 65 and over	0.4	0.4	0.3	0.4	0.4	0.4
Number of earners	1.7	1.6	1.5	1.5	1.5	1.5
Number of vehicles	1.7	1.6	1.7	1.8	1.7	1.6
Percent homeowner	52	51	54	56	57	56.0

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 <ftp://ftp.bls.gov/pub/special.requests/ce/msa/y9900/west.txt>.

Table 13.22-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR THE WESTERN UNITED STATES (INCLUDING HONOLULU): 1999-2000

[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	41,933	44,748	55,040	47,338	44,331	43,602	53,028	41,991	46,002	41,972	9
Food	5,508	5,490	7,442	5,243	5,655	6,543	6,964	5,486	5,676	5,771	4
Food at home	3,257	3,187	4,355	2,725	3,362	3,839	4,466	2,895	3,279	3,278	6
Cereals and bakery products	482	455	681	422	527	573	604	453	489	485	6
Meats, poultry, fish, and eggs	807	870	1,106	650	750	902	1,044	628	808	828	5
Dairy products	355	342	420	286	378	409	466	348	347	308	8
Fruits and vegetables	588	604	800	496	568	741	794	520	561	649	4
Other food at home	1,025	917	1,349	871	1,139	1,213	1,557	946	1,073	1,009	6
Food away from home	2,250	2,303	3,086	2,518	2,293	2,703	2,498	2,591	2,397	2,493	6
Alcoholic beverages	407	337	781	406	519	427	591	467	621	409	7
Housing	14,086	16,550	19,682	17,011	14,654	14,644	17,504	13,123	15,773	14,084	8
Shelter	8,746	10,293	12,963	10,996	9,095	9,489	10,720	7,793	10,110	9,717	6
Owned dwellings	5,393	5,958	8,266	6,423	6,100	5,781	6,360	4,974	5,910	5,704	8
Rented dwellings	2,788	3,828	3,963	4,102	2,359	2,896	3,264	2,341	2,916	3,404	4
Other lodging	565	507	734	471	636	812	1,096	478	1,284	610	6
Utilities, fuels, and public services	2,202	2,290	2,226	2,104	2,344	2,225	2,485	2,599	2,311	2,113	8
Household operations	864	1,429	1,477	1,013	812	660	900	577	794	630	8
Housekeeping supplies	492	481	595	479	451	636	738	538	473	497	5
Housefurnishings and equipment	1,781	2,056	2,421	2,419	1,953	1,634	2,661	1,616	2,084	1,127	9
Apparel and services	2,021	2,450	3,137	2,020	1,517	1,917	2,490	1,979	2,178	1,974	7
Transportation	7,873	7,701	9,726	9,982	7,800	7,401	9,812	8,858	8,340	5,775	9
Vehicle purchases (net outlay)	3,462	2,933	4,409	5,323	3,304	2,766	4,276	4,223	3,257	1,553	9
Gasoline and motor oil	1,291	1,383	1,424	1,349	1,248	1,300	1,334	1,118	1,196	1,071	9

Continued on next page.

Table 13.22-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR THE WESTERN UNITED STATES (INCLUDING HONOLULU): 1999-2000-- 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	2,605	2,924	2,992	2,684	2,658	2,657	3,172	2,965	3,141	2,101	9
Public transportation	515	461	900	625	590	679	1,030	552	746	1,050	1
Health care	1,982	1,833	2,030	1,927	1,984	2,514	2,530	2,168	2,045	2,211	3
Entertainment	2,181	1,962	2,290	2,888	2,718	2,301	3,392	2,042	2,548	1,997	8
Personal care products and services	582	674	692	669	485	579	710	627	599	702	2
Reading	173	148	230	210	215	209	274	181	193	182	7
Education	701	695	967	575	824	609	701	562	617	906	2
Tobacco products and smoking supplies	239	204	222	249	239	366	468	261	324	230	7
Miscellaneous	957	1,220	1,023	768	832	930	1,297	883	1,075	978	5
Cash contributions	1,297	1,447	904	810	2,265	1,061	1,837	1,584	1,103	1,926	2
Personal insurance and pensions	3,927	4,038	5,915	4,580	4,623	4,100	4,459	3,770	4,909	4,826	3
Life and other personal insurance	356	370	354	545	378	421	496	364	524	655	1
Pensions and Social Security	3,571	3,668	5,561	4,035	4,245	3,679	3,963	3,406	4,385	4,171	4
Consumer unit characteristics:											
Number of consumer units (thousands)	24,158	5,377	2,757	878	1,044	1,430	101	1,223	1,106	294	8
Income before taxes (dollars)	47,086	52,776	64,818	52,898	49,035	51,292	54,506	47,492	55,168	51,906	6
Age of reference person	47	47	48	48	47	49	44	47	44	53	1
No. of persons in consumer unit	2.6	2.8	2.5	2.6	2.5	2.4	2.6	2.5	2.5	2.7	2
No. of children under 18 in consumer unit	0.7	0.8	0.6	0.7	0.7	0.6	0.8	0.7	0.7	0.6	7
No. of persons 65 and over in consumer unit	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.4	1
No. of earners	1.4	1.5	1.4	1.4	1.4	1.4	1.5	1.3	1.5	1.5	4
No. of vehicles	2.0	1.9	1.8	2.0	2.2	2.3	2.5	1.8	2.3	1.6	9
Percent homeowner	60.0	52.0	60.0	55.0	64.0	64.0	60.0	64.0	64.0	56.0	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 Income of Consumer Units 1999-2000*, <ftp://ftp.bls.gov/pub/special.requests/ce/msa/y9900/west.txt> accessed January 22, 2002.

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 wealthholders	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 July 26, 2002.

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 July 26, 2002.

Table 13.25-- (NET) WORTH OF RICHEST RESIDENTS: 1997 TO 2001

Name	Residence	Age (years)	Net worth (million dollars)	Primary sources
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
2001 3/				
Anthony, Barbara Cox 1/	Honolulu	78	11,300	Inheritance (Cox Enterprises, newspapers, cable TV)

1/ Sisters Barbara and Anne Cox Chambers, of Atlanta, share a fortune. It was worth more than \$19 billion in 1999, \$20 billion in 2000 and \$23 billion in 2001. In 2001, the sisters tied at rank of 11 with net worth of \$23 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 was now correctly listed as "Hawaii". In 2001, the online list was limited to individuals and no individual Campbell was listed.

3/ David Howard Murdoch, owner of Castle & Cooke which owns most of Lanai, is ranked at 274 and 211 with net worth of \$1 and \$1.1 billion in 2000 and 2001 respectively. 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 <accessed August 5, 2001> and October, 2001 and <<http://www.forbes.com/tool/toolbox/rich400/>> accessed January 23, 2002.

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: 2001*, Section 14. Long-term trends for Hawaii are traced in *Historical Statistics of Hawaii*, Section 5.

**Table 14.01-- IMPLICIT PRICE DEFLATOR FOR GROSS STATE
PRODUCT FOR HAWAII AND UNITED STATES: 1977-2000**

[1996 = 100. The Implicit Price Deflator is calculated by dividing the Current dollar Gross State Product (GSP) by the Real 1996 chained dollar GSP multiplied by 100. See Table 13.03]

Year	Hawaii		United States	
	Deflator 1996 = 100	Percent change from year previous	Deflator 1996 = 100	Percent change from year previous
1977	40.0	(NA)	43.9	(NA)
1978	42.8	7.2	47.2	7.4
1979	46.2	7.8	50.9	8.0
1980	50.5	9.3	55.7	9.3
1981	55.7	10.3	61.0	9.6
1982	59.4	6.8	65.1	6.6
1983	62.6	5.3	67.7	4.0
1984	66.6	6.5	70.6	4.3
1985	70.0	5.1	72.8	3.2
1986	73.1	4.4	74.9	2.9
1987	75.8	3.7	77.1	3.0
1988	78.8	4.0	79.7	3.4
1989	81.6	3.6	82.8	3.8
1990	84.6	3.7	86.1	4.0
1991	88.3	4.3	89.1	3.5
1992	90.9	2.9	91.7	2.9
1993	93.6	3.0	94.1	2.7
1994	95.9	2.5	96.2	2.2
1995	98.1	2.3	98.3	2.2
1996	100.0	1.9	100.0	1.7
1997	102.3	2.3	101.6	1.6
1998	104.6	2.3	102.9	1.3
1999	106.9	2.2	104.1	1.1
2000	109.8	2.7	106.7	2.6

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry: 1977-2000, June 10, 2002 and <<http://www.bea.doc.gov/bea/regional/data.html>> accessed June 10, 2002; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.02-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS
(CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 2001**

[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

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**Table 14.02-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS
(CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES:
1940 TO 2001--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
2001	178.4	1.2	177.1	2.8

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. 1987-2001: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U] Honolulu, BLS FAX-on-Demand Code 9130 and 9225; for the U.S, Code 9210; and <<http://www.bls.gov/cpi/home.htm>> and for Honolulu <<http://stats.bls.gov/ro9news.htm>> accessed February 20, 2002.

Table 14.03-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUALLY, 1984 TO 2001

[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
2001	178.4	178.1	178.7	179.1	178.6	179.5
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
2001	1.2	1.3	1.1	1.5	1.5	1.5

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U] and Consumer Price Index-Urban Wage Earners and Clerical Workers [CPI-W], All Items, <<http://www.bls.gov/cpi/home.htm>> and for Honolulu <<http://stats.bls.gov/ro9news.htm>> accessed February 20, 2002; 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, 1997 TO 2001

[Unless otherwise specified, 1982-1984 average=100]

Group	1997	1998	1999	2000	2001
All items	171.9	171.5	173.3	176.3	178.4
Food and beverages	159.2	159.1	162.9	164.8	169.5
Food	159.5	159.1	163.0	164.8	169.5
Food at home	164.2	162.6	166.2	166.9	172.9
Cereals and bakery products	168.8	(NA)	(NA)	(NA)	(NA)
Meats, poultry, fish, and eggs	137.8	(NA)	(NA)	(NA)	(NA)
Meats, poultry, and fish	137.2	(NA)	(NA)	(NA)	(NA)
Dairy products	144.9	(NA)	(NA)	(NA)	(NA)
Fruits and vegetables	204.4	(NA)	(NA)	(NA)	(NA)
Other foods at home	172.5	(NA)	(NA)	(NA)	(NA)
Food away from home	152.6	153.3	158.3	160.0	164.0
Alcoholic beverages	155.2	158.8	161.9	163.9	168.1
Housing	177.1	176.0	175.8	177.9	179.1
Shelter	192.4	192.3	191.7	191.9	193.1
Renters' costs 1/	200.0	(NA)	(NA)	(NA)	(NA)
Rent, residential	185.7	183.5	181.7	180.3	181.6
Other renters' costs	242.8	(NA)	(NA)	(NA)	(NA)
Homeowners' costs 1/	197.9	(NA)	(NA)	(NA)	(NA)
Owners' equivalent rent 1/	199.0	198.3	197.0	196.3	197.7
Fuel and other utilities	137.1	131.0	133.4	147.4	146.6
Fuels	119.8	112.2	114.3	130.8	129.8
Gas (piped) and electricity	119.1	111.8	113.7	129.8	128.8
Electricity	118.6	111.4	113.4	129.1	128.1
Utility (piped) gas	116.1	107.5	109.2	126.8	127.2
Household furnishings and operation	150.0	145.8	146.4	152.4	155.8
Apparel and upkeep	117.3	112.2	105.4	103.5	101.0
Apparel commodities	113.8	(NA)	(NA)	(NA)	(NA)
Men's and boys' apparel	147.3	(NA)	(NA)	(NA)	(NA)
Women's and girls' apparel	94.6	(NA)	(NA)	(NA)	(NA)
Footwear	98.1	(NA)	(NA)	(NA)	(NA)
Transportation	166.0	162.5	162.2	169.6	174.5
Private transportation	167.2	161.7	160.4	166.9	170.6
Motor fuel	132.0	129.3	119.9	141.8	149.7
Gasoline	135.1	132.4	122.6	144.8	153.0
Unleaded, regular	141.9	138.6	128.8	151.7	160.1
Unleaded midgrade 2/	105.3	103.6	95.5	114.5	121.4
Unleaded, premium	123.8	121.9	112.4	132.7	140.3
Public transportation	156.9	(NA)	(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, 1997 TO 2001 -- Con.

Group	1997	1998	1999	2000	2001
Medical care	217.3	226.1	231.3	239.8	4/
Entertainment	147.9	(NA)	(NA)	(NA)	(NA)
Education & Communication 3/	(NA)	99.1	104.5	106.5	104.6
Recreation 3/	(NA)	100.8	101.9	102.8	101.6
Other goods and services	239.0	256.1	275.6	279.7	289.3
Personal care	169.2	(NA)	(NA)	(NA)	(NA)
All items	171.9	171.5	173.3	176.3	178.4
Commodities	148.3	147.5	148.2	150.3	152.8
Food and beverages	159.2	159.1	162.9	164.8	169.5
Commodities less food and beverages	139.6	138.2	136.6	138.9	139.7
Nondurables less food and beverages	143.2	142.9	141.0	146.1	148.6
Durables	134.2	131.0	129.7	128.5	127.1
Services	192.8	192.6	195.3	199.1	200.9
Medical care services	217.4	226.1	(NA)	(NA)	(NA)
Special indexes:					
All items less shelter	164.0	163.4	166.2	170.5	173.1
All items less medical care	169.4	168.6	170.2	173.0	174.9
All items less energy	176.7	176.6	178.7	180.7	182.8
Energy	126.3	121.0	117.9	137.0	140.0
All items less food and energy	181.4	181.3	183.0	185.1	186.5
Commodities less food	140.3	139.1	137.7	140.1	141.0
Nondurables less food	143.9	143.9	142.4	147.3	149.9
Nondurables	152.0	151.9	153.3	156.5	160.3
Services less rent of shelter 1/	195.4	195.3	202.0	210.4	213.1
Services less medical care	190.3	189.7	192.2	195.5	197.1

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.

4/ No data were available or data did not meet U.S. Bureau of Labor Statistics' publication criteria.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U]

<<http://www.bls.gov/cpi/home.htm>> and for Honolulu <<http://stats.bls.gov/ro9news.htm>>

accessed February 20, 2002.

**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 2000 AND 2001**

[Percent of all items. 2000 based on Consumer Expenditure Survey 1993-1995. 2001 based on the
1999-2000 Consumer Expenditures Survey]

Group	2000 CPI-U		2001 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
Relative importance of local area	100.000	0.414	100.000	0.325
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	16.198	17.857	15.719	16.202
Food	15.217	16.661	14.688	15.065
Food at home	9.560	9.313	8.468	8.567
Cereals and bakery products	1.522	(NA)	1.298	(NA)
Meats, poultry, fish, and eggs	2.573	(NA)	2.271	(NA)
Meats, poultry, and fish	2.457	(NA)	2.178	(NA)
Dairy products	1.050	(NA)	0.916	(NA)
Fruits and vegetables	1.454	(NA)	1.204	(NA)
Other foods at home	1.935	(NA)	1.811	(NA)
Food away from home	5.638	7.348	6.220	6.499
Alcoholic beverages	0.981	1.196	1.031	1.136
Housing	39.980	40.839	40.873	42.201
Shelter	30.251	33.384	31.522	35.365
Renters' costs	(NA)	(NA)	(NA)	(NA)
Rent, residential	7.079	8.523	6.421	8.174
Other renters' costs	(NA)	(NA)	(NA)	(NA)
Tenants' and household insurance	0.366	(NA)	0.353	(NA)
Homeowners' costs	(NA)	(NA)	(NA)	(NA)
Owners' equivalent rent	20.460	21.455	22.046	24.452
Lodging away from home	2.346	(NA)	2.461	(NA)
Fuel and other utilities	5.123	3.413	4.511	3.131
Fuels	4.199	2.565	3.654	2.337
Fuel oil, and other household fuel	0.361	(NA)	0.188	(NA)
Fuel oil	0.268	(NA)	0.121	(NA)
Other household fuel commodities	0.093	(NA)	0.068	(NA)
Gas (piped) and electricity	3.838	2.502	3.466	2.301
Electricity	2.453	2.302	2.521	2.140
Utility (piped) gas	1.385	0.201	0.945	0.160
Water and sewer and trash collection	0.924	(NA)	0.857	(NA)
Household furnishings and operation	4.605	4.041	4.840	3.700

Continued on next page.

**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 2000 AND 2001-- Con.**

Group	2000 CPI-U		2001 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
EXPENDITURE CATEGORY -- Con.				
Apparel and upkeep	(NA)	(NA)	(NA)	(NA)
Apparel commodities	4.453	3.340	4.399	5.255
Men's and boys' apparel	1.257	(NA)	1.122	(NA)
Women's and girls' apparel	1.787	(NA)	1.807	(NA)
Footwear	0.801	(NA)	0.874	(NA)
Infants' and toddlers' apparel	0.254	(NA)	0.203	(NA)
Jewelry and watches	0.354	(NA)	0.394	(NA)
Transportation	17.567	14.640	17.055	14.699
Private transportation	16.157	12.291	15.845	12.110
Motor fuel	3.482	2.341	2.564	3.192
Gasoline (all types)	3.458	2.318	2.536	3.126
Public transportation	1.410	(NA)	1.211	(NA)
Medical care	5.813	5.407	5.810	5.874
Entertainment	(NA)	(NA)	(NA)	(NA)
Recreation	5.908	6.143	6.019	5.806
Education and communication	5.311	7.314	5.813	5.255
Other goods and services	4.769	4.461	4.312	4.702
Personal care	3.461	(NA)	3.384	(NA)
COMMODITY AND SERVICE GROUP				
All items	100.000	100.000	100.000	100.000
Commodities	41.828	38.004	41.300	37.866
Food and beverages	16.198	17.857	15.719	16.202
Commodities less food and beverages	25.629	20.146	25.582	21.679
Nondurables less food and beverages	15.056	12.079	13.493	14.389
Durables	10.573	8.067	12.089	7.308
Services	58.172	61.996	58.700	62.129
Medical care services	4.552	(NA)	4.434	(NA)

Continued on next page.

**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 2000 AND 2001-- Con.**

Group	2000 CPI-U		2001 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
EXPENDITURE CATEGORY -- Con.				
Special indexes:				
All items less shelter	69.749	66.616	68.478	64.617
All items less medical care	94.187	94.593	94.190	94.125
All items less energy	92.319	95.094	93.782	94.557
All items less food and energy	77.102	78.433	79.094	79.483
Energy	7.681	4.906	6.218	5.495
Commodities less food	26.610	21.342	26.612	22.813
Nondurables less food	16.037	13.275	14.524	15.521
Nondurables	31.255	29.936	29.212	30.561
Services less rent of shelter	28.287	28.909	27.531	27.089
Rent of shelter	29.885	(NA)	31.169	(NA)
Services less medical care services	53.620	57.739	54.266	57.568

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Relative Importance of Components in the Consumer Price Index, Bulletin 2535*, April 2001 (pp. 2-6, 8, 20) and <http://www.bls.gov/cpi/cpiri_2001.pdf> accessed July 15, 2002.

**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 1982-1997 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.

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 1982-1997 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.

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 AND 2002**

[Standard City, an average cost hypothetical location of \$6,480 in 1999 and \$8,436 in 2002 and an index number set at 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
1999					
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
2002					
San Jose, CA	18,384	217.9	Salina, KS	5,720	67.8
San Francisco, CA	17,603	208.7	Paducah, KY	5,533	65.6
Boston, MA	15,833	187.7	Midland, TX	5,299	62.8
Washington, DC	15,271	181.0	Decatur, AL	5,222	61.9
New York, NY	14,405	170.8	Hobbs, NM	5,057	59.9
Honolulu, HI	13,851	164.2	Casper, WY	4,892	58.0

Source: Runzheimer International, "Apartment Rental Costs Nationwide"
 <<http://www.runzheimer.com/corpc/news/scripts/062199.asp>> accessed July 19, 2001 and
 <<http://www.runzheimer.com/corpc/news/scripts/072402.asp>> accessed July 25, 2002.

Table 14.10-- ANNUAL HOUSING COSTS IN HONOLULU AND SELECTED LOCATIONS IN THE UNITED STATES: 1995 TO 2002

[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. At Standard City, USA, an average cost location, the home market value is \$222,700 in 2002]

Category	1995	1998	2001	2002
Expensive Locations				
San Jose, CA	427,800	525,400	860,100	746,700
San Francisco, CA	420,800	455,400	746,500	768,100
Honolulu, HI	438,200	390,200	403,600	415,400
Washington, DC	348,000	309,000	393,500	469,800
Los Angeles, CA	290,800	281,100	371,100	407,100
Boston, MA	244,800	285,900	359,400	436,900
San Diego, CA	246,000	252,600	358,000	384,200
New York, NY (excluding Manhattan)	272,100	276,700	336,100	394,400
Denver, CO	211,100	235,700	318,400	383,500
Chicago, IL	239,100	260,000	297,000	(NA)
Inexpensive Locations				
Port Arthur, TX	97,300	79,600	83,600	(NA)
Hobbs, NM	90,900	99,800	93,300	(NA)
Towanda, PA	124,500	101,900	103,600	(NA)
Lubbock, TX	105,700	113,200	114,600	(NA)
New Johnsonville, TN	103,200	109,900	116,300	126,200
Dunkirk, NY	122,400	124,300	124,800	131,700
San Antonio, TX	147,600	129,900	125,600	124,800
Kinston, NC	117,400	115,700	125,800	129,400
Ponca City, OK	121,900	113,000	127,000	133,300
New Orleans, LA	123,500	131,300	130,200	(NA)
Dalton, GA	(NA)	(NA)	(NA)	138,900
Kissimmee, FL	(NA)	(NA)	(NA)	137,300
Paducah, KY	(NA)	(NA)	(NA)	136,300
Rangely, CO	(NA)	(NA)	(NA)	127,800
Hobbs, NM	(NA)	(NA)	(NA)	95,700

NA Not available.

Source: Runzheimer International, "Runzheimer Compares 1995 - 2001 Housing Values Nationwide: 1998 - 2001", March 19, 2001 <<http://www.runzheimer.com/corpc/news/scripts/031901.asp>> accessed July 19, 2001; and "Runzheimer Analyzes Home Market Values Nationwide: May 22, 2002" and <<http://www.runzheimer.com/corpc/news/scripts/052202.asp>> accessed July 30, 2002.

Table 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-- 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. Index numbers Honolulu = 100]

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
Index Numbers				
Atlanta, GA	88.1	75.5	73.7	106.6
Boston, MA	105.2	97.3	91.5	171.0
Chicago, IL	109.6	101.6	97.0	143.2
Dallas, TX	93.3	71.3	64.4	107.7
Honolulu, HI	100.0	100.0	100.0	100.0
Las Vegas, NV	77.8	61.7	66.1	86.3
Los Angeles, CA	109.6	94.1	86.0	120.2
New York, NY	151.1	138.3	143.2	220.2
Orlando, FL	63.7	48.9	53.8	95.6
Phoenix, AZ	57.0	41.5	47.9	109.3
Seattle, WA	78.5	67.0	68.6	126.8
St. Louis, MO	74.1	61.7	68.6	108.7
Washington, DC	121.5	114.9	110.2	147.0

Source: Runzheimer International, <<http://www.runzheimer.com/corpc/news/scripts/011000.asp>> accessed August 1, 2001 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

**Table 14.13-- COST OF LIVING ANALYSES FOR HONOLULU
AND THE UNITED STATES AVERAGE: JANUARY 1, 2002**

[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	18,914	39,364	73,935	106,223
Rent, utilities	9,651	18,452	30,646	39,762
Taxes: federal, state, payroll	2,221	5,784	11,908	20,527
Consumables	5,482	10,041	18,758	25,131
Transportation	823	2,524	6,002	9,987
Health services	737	1,356	2,239	2,554
Miscellaneous	...	1,207	4,382	8,262
U.S. National Average	10,712	24,000	48,000	72,000
Rent, utilities	4,135	8,143	14,410	19,203
Taxes: federal, state, payroll	1,836	4,920	10,420	18,151
Consumables	3,505	6,678	12,401	16,693
Transportation	621	1,908	4,509	7,538
Health services	615	1,144	1,878	2,153
Miscellaneous	...	1,207	4,382	8,262
Honolulu indexed to U.S. average	176.6	164.0	154.0	147.5
Rent, utilities	233.4	226.6	212.7	207.1
Taxes: federal, state, payroll	121.0	117.6	114.3	113.1
Consumables	156.4	150.4	151.3	150.5
Transportation	132.5	132.3	133.1	132.5
Health services	119.8	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 2002*, pgs. 117 and 300.

**Table 14.14-- 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/html/PressReleaseDetail.asp?ID=611>> accessed July 30, 2002.

**14.15-- HOUSING AFFORDABILITY: HONOLULU AND SELECTED
UNITED STATES LOCATIONS: 2001 THIRD QUARTER**

[Results from a survey conducted quarterly by the National Association of Home Builders]

Metropolitan Area	Median family income	Median sales price	Affordability Rank 2001 3rd quarter
Honolulu, HI	62,400	225,000	146
Most affordable			
Rockford, IL	57,100	99,000	1
Davenport-Moline-Rock Island, IA-IL	52,700	76,000	2
Kokomo, IN	57,600	99,000	3
Springfield, IL	61,100	100,000	4
Syracuse, NY	47,900	80,000	5
Least Affordable			
Santa Rosa, CA	61,800	325,000	182
San Jose, CA	87,300	450,000	183
Salinas, CA	52,600	305,000	184
San Francisco, CA	80,100	520,000	185
Santa Cruz-Watsonville, CA	65,500	420,000	186

Source: *Honolulu Advertiser*, "California homebuyer worst off", January 22, 2002 (p. D-1), and <<http://the.honoluluadvertiser.com/article/2002/Jan/22/bz/bz05a.html>> accessed on January 22, 2002 and National Association of Home Builders' <http://www.nahb.com/facts/hoi/2001_Q3/regional_alphaQ3.htm> accessed January 28, 2002.

**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.

**Table 14.17-- COMPARISON OF VEHICLE COSTS IN SELECTED
LOCATIONS IN THE UNITED STATES: 2001**

[The statewide averages shown are based on the blended average costs of 2001 model year compact, intermediate, and full-size vehicles. Operating costs include fuel, oil, tires, and maintenance. Fixed costs include insurance, depreciation, financing, taxes, and license & registration fees. These vehicles are driven 15,000 miles per year and traded-in after four years.

	Total Annual Costs	Operating Costs	Fixed Costs
Expensive Locations			
Michigan	8,669	2,070	6,599
New Jersey	8,619	2,115	6,504
Massachusetts	8,590	2,100	6,490
Rhode Island	8,448	2,115	6,333
California	8,376	2,310	6,066
Connecticut	8,370	2,220	6,150
Nevada	8,367	2,235	6,132
Hawaii	8,310	2,550	5,760
Colorado	8,137	2,100	6,037
New York	8,122	2,205	5,917
Inexpensive Locations			
Alabama	7,102	1,890	5,212
Vermont	7,127	1,980	5,147
Iowa	7,144	1,950	5,194
Tennessee	7,148	1,950	5,198
South Dakota	7,149	1,995	5,154
Oklahoma	7,178	1,875	5,303
North Carolina	7,213	1,935	5,278
Ohio	7,260	2,040	5,220
Wisconsin	7,276	2,100	5,176
Virginia	7,286	1,920	5,366

Source: Runzheimer International, "50-State Analysis of Vehicle Costs" and
<<http://www.runzheimer.com/corpc/news/scripts/110701.asp>> accessed November 26, 2001 and
calculations by Hawaii State Department of Business, Economic Development & Tourism.

**14.18 GASOLINE PRICES PER GALLON FOR STATES AND
THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE:
JULY 16, 2002**

[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	1.717	1.815	1.849	2.017
Hawaii Rank	1	1	1	1
U. S. average	1.396	1.482	1.535	1.364
Hawaii as percent of U.S. average	123.0	122.5	120.5	147.9
Alaska	1.585	1.678	1.774	1.453
Alabama	1.314	1.404	1.446	1.307
Arkansas	1.320	1.393	1.482	1.291
Arizona	1.457	1.519	1.607	1.446
California	1.639	1.745	1.774	1.565
Colorado	1.424	1.523	1.592	1.400
Connecticut	1.458	1.583	1.624	1.426
District of Columbia	1.494	1.591	1.639	1.539
Delaware	1.333	1.416	1.479	1.382
Florida	1.402	1.519	1.546	1.409
Georgia	1.233	1.326	1.385	1.240
Iowa	1.362	1.434	1.502	1.331
Idaho	1.427	1.506	1.548	1.431
Illinois	1.463	1.574	1.623	1.432
Indiana	1.391	1.497	1.539	1.317
Kansas	1.380	1.417	1.472	1.347
Kentucky	1.343	1.440	1.505	1.280
Louisiana	1.317	1.404	1.469	1.301
Massachusetts	1.393	1.498	1.555	1.443
Maryland	1.398	1.487	1.524	1.410
Maine	1.373	1.482	1.523	1.387
Michigan	1.490	1.578	1.641	1.380
Minnesota	1.415	1.471	1.509	1.328
Missouri	1.321	1.375	1.456	1.256
Mississippi	1.313	1.385	1.447	1.269
Montana	1.486	1.550	1.624	1.427
North Carolina	1.315	1.396	1.457	1.312
North Dakota	1.454	1.504	1.558	1.334
Nebraska	1.412	1.444	1.484	1.352
New Hampshire	1.361	1.474	1.526	1.372
New Jersey	1.303	1.397	1.450	1.297
New Mexico	1.373	1.463	1.526	1.343
New York	1.481	1.585	1.619	1.512
Nevada	1.567	1.651	1.711	1.526

Continued on next page.

**14.18 GASOLINE PRICES PER GALLON FOR STATES AND
THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE:
JULY 16, 2002-- Con.**

State	Regular	Mid	Premium	Diesel
Ohio	1.420	1.515	1.575	1.358
Oklahoma	1.295	1.340	1.414	1.221
Oregon	1.512	1.596	1.619	1.472
Pennsylvania	1.356	1.429	1.492	1.432
Rhode Island	1.445	1.537	1.588	1.460
South Carolina	1.249	1.328	1.392	1.250
South Dakota	1.419	1.510	1.572	1.362
Tennessee	1.316	1.393	1.460	1.300
Texas	1.312	1.388	1.438	1.290
Utah	1.397	1.474	1.538	1.382
Virginia	1.309	1.373	1.426	1.311
Vermont	1.362	1.465	1.528	1.440
Washington	1.480	1.534	1.610	1.429
Wisconsin	1.490	1.547	1.618	1.407
West Virginia	1.386	1.449	1.522	1.419
Wyoming	1.393	1.452	1.547	1.346

Source: AAA's Daily Fuel Gauge Report© Copyright, Oil Price Information Service <<http://198.6.95.31/sbsavg.asp>> released and accessed July 16, 2002.

**Table 14.19-- DOWNTOWN PARKING RATES HONOLULU AND
AVERAGE NORTH AMERICA: JUNE 2002**

[In number, dollars and percent]

Market	Segment	Honolulu	North America average	Honolulu as percent of North America average
Monthly unreserved	Parking rate – high	170.00	185.47	91.7
Monthly unreserved	Parking rate – low	140.00	108.04	129.6
Monthly unreserved	Parking rate – average	155.00	147.32	105.2
Monthly reserved	Parking rate – high	270.00	237.23	113.8
Monthly reserved	Parking rate – low	235.00	152.42	154.2
Monthly reserved	Parking rate – average	252.50	192.22	131.4
Daily parking	Rate – high	36.00	17.00	211.8
Daily parking	Rate – low	24.00	9.17	261.7
Daily parking	Rate – average	30.00	12.95	231.7
Garages offering additional services (percent)		15.0	22.2	67.6
Garages with waiting lists (percent)		5.0	22.8	21.9
Typical wait period (number of months)		(NA)	3.6	
Availability of parking		Fair		

Source: Colliers International: *North America CBD (Central Business District) Parking Rate Survey 2002: Highlights North America Monthly Parking Rates June 2002* ,

<[http://www.colliersmn.com/prod/ccgrd.nsf/Region/4BE64646FC92D0B385256BF000681F07/\\$File/NA+Parking+Rate+Survey+2002.pdf](http://www.colliersmn.com/prod/ccgrd.nsf/Region/4BE64646FC92D0B385256BF000681F07/$File/NA+Parking+Rate+Survey+2002.pdf)> accessed July 10, 2002

**Table 14.20-- 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 14.21-- 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 14.22-- COST OF LIVING IN SELECTED MAJOR CITIES IN THE UNITED STATES AND RANK WORLDWIDE: MARCH 2001 AND 2002

[The survey, which covers 144 cities worldwide, measures the comparative cost of over 200 items in each location, including housing, food, clothing, utilities, transportation, and entertainment costs. Listed in order of rank in 2002. Rank of 1 indicates most expensive city. New York City=100.0]

City	Index		Rank	
	2001	2002	2001	2002
New York City, NY	100.0	100.0	8	7
White Plains, NY	85.5	86.3	17	16
Los Angeles, CA	83.4	84.7	24	19
Chicago, IL	84.3	83.7	20	20
San Francisco, CA	84.4	83.6	19	21
Honolulu, HI	81.3	82.4	29	23
Miami, FL	83.0	81.8	25	25
San Juan, Puerto Rico	81.3	79.4	29	35
Houston, TX	77.2	78.5	41	36
Washington, DC	77.0	77.0	42	41
Boston, MA	77.3	76.7	39	42
Morristown, NJ	77.8	76.7	38	42
Atlanta, GA	73.9	74.0	47	48
Denver, CO	72.6	73.8	51	49
St. Louis, MO	72.9	73.6	49	50
Detroit, MI	71.4	72.3	55	53
Minneapolis, MN	72.1	71.9	52	56
Seattle, WA	72.7	70.6	50	57
Pittsburgh, PA	69.0	69.6	64	59
Cleveland, OH	68.8	68.6	65	67
Portland, OR	67.2	67.7	68	69
Winston Salem, NC	69.1	67.7	63	69

Source: William M. Mercer Companies, LLC, Mercer USA Center: Corporate Resource Group, "World-wide cost of living survey – 2002 – city rankings", <<http://www.mercerhr.com/pressrelease/details.jhtml?idContent=1060920#Americas>> and "US cities rise, fall in cost of living rankings", <<http://www.mercerhr.com/knowledgecenter/reportssummary.jhtml?idContent=1061495>> accessed August 1, 2002.

**Table 14.23-- PAY DIFFERENTIALS AND COST OF LIVING INDEXES FOR
FEDERAL EMPLOYEES IN HAWAII RELATIVE TO WASHINGTON, D.C.,
BY COUNTY: 1997 TO 2001**

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
November 9, 2001	All employees 4/	25.00	16.50	23.75	23.25
	INDEXES				
1996 Survey	Cost of Living Index 5/	121.95	111.89	121.36	121.36
1998 Survey	Cost Comparison Index 6/	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/ Final rule issued in Federal Register:

5/ 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.

6/ Similar explanation to footnote 4/ except the survey period was 1998 and publication 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.opm.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.opm.gov/oca/cola/html/c-rates.html> accessed March 19, 2002.

**Table 14.24-- 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 17, 2002.

Table 14.25-- 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
Hawaii						
Camp H M Smith	112	58	33	14	184	June 1, 2002
EASTPAC Naval Comp Tele Area	112	58	33	14	184	June 1, 2002
Ft. Derussey	112	58	33	14	184	June 1, 2002
Ft. Shafter	112	58	33	14	184	June 1, 2002
Hickam Air Force Base	112	58	33	14	184	June 1, 2002
Honolulu (Incl Nav & Mc Res Ctr)	112	58	33	14	184	June 1, 2002
Isle Of Hawaii: Hilo	108	55	32	14	177	June 1, 2002
Isle Of Hawaii: Other	89	43	26	11	143	May 1, 2000
Isle Of Kauai 5/1/2002 - 11/30/2002	158	70	39	18	246	June 1, 2002
Isle Of Kauai 12/1/2002 - 4/30/2003	203	74	41	19	296	June 1, 2002
Isle Of Kure	65	33	21	8	106	May 1, 1999
Isle Of Maui	159	71	40	18	248	June 1, 2002
Isle Of Oahu	112	58	33	14	184	June 1, 2002
Kekaha Pacific Missile Range Fac						
5/1/2002 - 11/30/2002	158	70	39	18	246	June 1, 2002
12/1/2002 - 4/30/2003	203	74	41	19	296	June 1, 2002
Kilauea Military Camp	108	55	32	14	177	June 1, 2002
Lualualei Naval Magazine	112	58	33	14	184	June 1, 2002
MCB Hawaii	112	58	33	14	184	June 1, 2002
NAS Barbers Point	112	58	33	14	184	June 1, 2002
Pearl Harbor [Incl All Military]	112	58	33	14	184	June 1, 2002
Schofield Barracks	112	58	33	14	184	June 1, 2002
Wheeler Army Airfield	112	58	33	14	184	June 1, 2002
[Other]	72	49	29	12	133	Jan. 1, 2000
Anchorage, Alaska						
May 1 - September 15	246	161	68	38	17	May 1, 2002
September 15 - April 30	162	85	62	35	15	May 1, 2002
Manila, Philippines	194	134	48	28	12	July 1, 1999
Tokyo, Japan	275	161	91	50	23	June 1, 2002

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>> accessed July 17, 2002.

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 15 and 25 of the *Statistical Abstract of the United States: 2001*.

**Table 15.01-- NUMBER OF FINANCIAL INSTITUTIONS, BY TYPES:
1991 TO 2001**

[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
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	-	-	40	157
1998	6	191	3	97	-	-	38	126
1999	6	187	3	97	-	-	35	103
2000	6	194	3	87	-	-	32	98
2001	6	196	3	90	-	-	33	93
TYPE OF CHARTER: 2001								
Federal	1	14	1	71	-	-	-	-
State	5	182	2	19	-	-	33	93
ISLANDS: 2001								
Hawaii	5	25	3	10	-	-	6	11
Maui	5	23	2	10	-	-	7	9
Lanai	2	2	-	-	-	-	-	-
Molokai	1	1	1	1	-	-	1	1
Oahu	6	130	3	62	-	-	30	67
Kauai	3	15	2	7	-	-	5	5
Niihau	-	-	-	-	-	-	-	-

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: 2000

[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	Number of employees 1/	Annual payroll (\$1,000)
	Total	1,375	18,369	783,884
522	Credit intermediation & related activities	677	10,561	394,582
5221	Depository credit intermediation	465	9,265	340,088
52211	Commercial banking	232	6,296	248,338
52212	Savings institutions	101	(G)	(D)
52213	Credit unions	132	(G)	(D)
5222	Nondepository credit intermediation	143	1,009	45,031
5223	Activities related to credit intermediation 2/	69	287	9,463
52231	Mortgage & nonmortgage brokers	33	197	7,005
523	Security, commodity contracts and like activities 2/	201	(G)	(D)
5231	Scrtcy & comdty contracts intermed & brokerage	90	812	75,276
524	Insurance carriers & related activities	490	(I)	(D)
5241	Insurance carriers 2/	145	3,914	173,397
52411	Direct life, health, medical insurance carriers	64	2,473	107,148
5242	Agencies & other insurance related activities 2/	345	(G)	(D)
52421	Insurance agencies and brokerages	295	1,634	65,945
525	Funds, trusts, & other financial vehicles (part)	7	(B)	(D)

B 20 to 99.

G 1,000 to 2,499.

I 5,000 to 9,999.

D Withheld to avoid disclosing data for individual companies.

1/ For week including March 12.

2/ Includes subgroups not shown separately.

Source: U.S. Census Bureau, *County Business Patterns 2000, Hawaii*, CBP/00-13 (May 2002), pp. 16-17
 <<http://www.census.gov/prod/www/abs/cbptotal.html>> accessed May 30, 2002.

**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	Scrtly & 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 <<http://www.census.gov/prod/ec97/97f52-hi.pdf>>.

Table 15.04-- CHARACTERISTICS OF STATE-CHARTERED FINANCIAL INSTITUTIONS, BY TYPES: 1999 TO 2001

[Includes out-of-State branches and facilities. Includes only institutions chartered by the State of Hawaii. As of December 31]

Subject	1999	2000	2001
BANKS			
Number of banks	5	4	4
Number of branches and facilities	191	204	196
Assets (million dollars)	22,705.2	23,560.4	22,558.4
Deposits (million dollars)	16,107.3	16,741.0	15,763.3
SAVINGS AND LOAN ASSOCIATIONS			
Number of associations	2	1	1
Number of branches and facilities	27	16	17
Assets (million dollars)	1,226.4	495.8	553.7
Withdrawable shares (million dollars)	741.7	335.3	404.2
FINANCIAL SERVICES LOAN COMPANIES 1/			
Number of companies	4	3	3
Number of branches	17	15	14
Assets (million dollars)	2/ 520.9	2/ 464.5	488.2

1/ Includes only financial services loan companies that issue investment certificates.

2/ Revised.

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, 2001**

[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 6,733 employees]

Subject	Million dollars	Subject	Percent of loans
ASSETS AND LIABILITIES		ASSET QUALITY OF LARGE COMMERCIAL BANKS	
Assets	23,418		
Foreign 1/	1,820	Loan loss reserve	2.023
Domestic 2/	21,598	Net chargeoffs	-0.034
Loans	14,118	Past due and non-accrual	2.033
Foreign 1/	881	Real estate	1.417
Domestic 2/	13,237	Commercial	2.728
Investment securities	4,268	Consumer	3.641
Liabilities	20,311	Agricultural	1.819
Deposits	16,454		
Foreign 1/	1,832		
Domestic 2/	14,622		
Other borrowings	2,048		
Equity capital	3,093		
Loan loss reserve	286		
Loan commitments	7,867		

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: 1996 TO 2001

[As of December 31]

Year	Number of credit unions	Assets (dollars)	Shares (dollars)	Loans (dollars)	Number of credit union members
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
2001	100	4,728,673,376	4,120,888,846	2,333,024,575	646,174

Source: Hawaii Credit Union League, records.

**Table 15.07-- INSURANCE BUSINESS TRANSACTED IN HAWAII:
1995 TO 2000**

[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)
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
2000	997	2,115,812	1,912,430	3,836,913

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:
1995 TO 2000**

[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)
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
2000	478	9,802,583	73,452,956	615,360	1,168,646

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: 2000

[Dollars]

Class of insurance	Premiums	Losses, claims, and benefits paid
All classes	2,115,811,805	1,912,429,506
Life 1/	609,589,563	1,165,534,155
Fraternal	5,770,676	3,111,636
Fire, marine, casualty, and miscellaneous:		
Accident and health	204,821,039	110,374,693
Fire	30,561,750	3,484,357
Allied lines	29,350,316	1,773,835
Multiple peril crop	1,129,667	1,204,404
Federal flood	10,294,902	441,086
Farmowners multiple peril	62,844	1,860
Homeowners multiple peril	132,178,877	23,691,921
Commercial multiple peril (fire & allied lines)	56,446,263	30,261,919
Commercial multiple peril (liability portion)	46,622,226	16,528,551
Mortgage guaranty	21,715,177	19,960,170
Ocean marine	7,880,985	3,246,756
Inland marine	17,456,793	4,707,099
Financial guaranty	3,174,071	-
Medical malpractice	24,944,983	10,638,940
Earthquake	2,712,073	-
Workers' compensation	175,068,053	118,203,719
Other liability	78,209,695	67,503,029
Products liability	6,000,357	2,629,482
Private passenger auto no-fault	63,127,523	43,087,856
Other private passenger auto liability	260,058,121	134,375,223
Commercial auto no-fault	4,037,986	3,214,470
Other commercial auto liability	58,413,810	28,010,223
Private passenger auto physical damage	132,180,585	79,917,709
Commercial auto physical damage	11,876,599	7,537,150
Aircraft	8,050,269	6,405,661
Fidelity	3,289,531	2,139,524
Surety	17,287,802	10,018,964
Burglary and theft	245,390	15,114
Boiler and machinery	2,227,678	3,841,502
Credit	1,614,801	706,123
Title	34,919,448	2,996,386
All other	5,102,737	3,426,334
Surplus lines	49,389,215	3,439,655

1/ Excludes annuities.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2001*, p. 6.

**Table 15.10-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY
LOCATION OF HOME OFFICE: 2000**

[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	997	21	962	14
Life incl. Fraternal Benefit Societies	478	5	467	6
Other than life	519	16	495	8
Financial condition, Dec. 31:				
Assets	3,751,291.4	1,480.8	3,708,410.9	41,399.7
Liabilities exc. capital and surplus	3,304,374.3	1,017.8	3,266,922.7	36,433.7
Policyholders' surplus incl. capital	446,917.1	462.9	441,488.2	4,966.0
Capital	7,983.6	55.0	7,906.1	22.4
Net gain or loss	42,647.9	35.0	41,748.1	864.8
Hawaii business:				
Direct premiums written	2,412.2	469.6	1,928.0	14.7
Claims and benefits paid	2,281.8	225.1	2,043.1	13.6
Investments in Hawaii, Dec. 31	3,836.9	137.7	3,665.7	33.4
Mortgage loans (principal indebtedness)	832.8	83.0	749.7	-
Collateral loans (amount loaned)	29.3	4.0	19.1	6.1
State and county bonds 4/	1,287.4	12.4	1,260.8	14.1
Utilities stocks and bonds 4/	325.5	-	325.5	-
Industrial and misc. stocks and bonds 4/	970.7	33.3	924.3	13.1
Real estate 5/	391.4	5.1	386.3	-
Balances in Hawaii banks	266.9	32.8	234.2	-

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, 2001*, pp. 15-43.

Table 15.11-- HEALTH PLANS: 1998 TO 2001

Subject	1998	1999	2000	2001
Hawaii Medical Service Association:				
Persons covered, Dec. 31 1/	524,561	499,706	491,257	2/ 629,331
Membership dues 3/ (\$1,000)	1,038,656	1,039,271	1,118,980	2/ 1,213,569
Health Plan Hawaii: 4/				
Persons covered, Dec. 31 1/	75,534	125,332	125,003	2/ 2,195
Membership dues 3/ (\$1,000)	87,619	139,393	204,865	2/ 158,253
Queen's Hawaii Care:				
Persons covered, Dec. 31 1/	45,465	43,788	5/ 40,889	5/ 14,758
Membership dues 3/ (\$1,000)	65,297	75,340	5/ 80,642	5/ 29,972
Kaiser Foundation Health Plan:				
Persons covered: 1/				
Annual average	209,913	210,421	213,099	222,934
Dec. 31	210,502	210,151	217,262	225,455
Membership dues 3/ (\$1,000)	324,196	342,061	358,509	388,535
University Health Alliance:				
Persons covered, Dec. 31 1/	10,033	14,005	19,290	30,043
Membership dues 3/ (\$1,000)	13,524	16,965	25,162	56,003
Commercial carrier premiums for accident and health insurance (\$1,000)	157,953	185,950	204,821	(NA)

NA Not available.

1/ Subscribers and dependents, whether on a group or individual basis.

2/ Beginning in July 2001, Health Plan Hawaii's (HPH) commercial membership was transitioned into HMSA as a line of business. The transition was completed on November 1, 2001, leaving only 2,195 HPH Classic members in Health Plan Hawaii on December 31, 2001. This explains the relative change in the membership and the membership dues of HMSA and HPH between 2001 and 2000.

3/ Includes both employers' and employees' contributions.

4/ Health Plan Hawaii is an HMSA affiliate HMO.

5/ Queen's Hawaii Care only. Queen's Island Care and Queen's Preferred Plan ceased operations effective April 1, 2001.

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 1998 TO 2000

[Health verification questions were added to the survey used to collect the 2000 data. Earlier estimates shown in this table were revised to reflect this survey change. Information shown in earlier Data Books, however, is not comparable]

Subject	Annual			Two-year moving average	
	1998 1/	1999 1/	2000	1998-1999 1/	1999-2000
Percent not covered 2/	8.9	10.3	1/ 10.1	9.6	1/ 10.2
Standard error	1.2	1.3	1.3	1.0	1.0
Rank 3/	4/ 5	5/ 15	12	5/ 7	5/ 12

1/ Revised. Revised 2000 figures reflect a revision released by the Census Bureau in January 2002 due to a November 2001 weighting correction.

2/ The 2000 annual U.S. percentage was 14.0. The 1999-2000 U.S. two-year moving average percentage was 14.2.

3/ Among 50 states, with lowest percentage ranking 1.

4/ Tied with two other states.

5/ Tied with another state.

Source: U.S. Census Bureau, "Health Insurance Coverage: 2000" (January 2002)

<<http://www.census.gov/hhes/hlthins/hlthin00/hi00td.html>> accessed July 5, 2002.

**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: 1997 TO 2001**

[Years ended June 30]

Subject and year	State total	Honolulu	Hawaii	Kauai	Maui
Number of fires:					
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
2001	4,304	2,910	637	266	491
Fire deaths:					
1997	12	11	-	-	1
1998	13	12	-	1	-
1999	2	2	-	-	-
2000	3	2	1	-	-
2001	3	2	-	-	1
Fire losses (\$1,000):					
1997	1/ 26,646	17,333	4,918	1/ 587	3,808
1998	1/ 24,727	13,252	6,447	1/ 1,080	3,948
1999	1/ 22,213	13,237	4,019	1/ 1,067	3,890
2000	1/ 20,860	11,979	5,302	1/ 706	2,873
2001	19,268	12,589	4,094	478	2,107

1/ Figures for Kauai County 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:
1990 TO 2000**

[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	
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	
2000	432,092	2,982,367	12,331,233	29,853	15,658	6,063	
	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
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
2000	4,067	2,494	953	430	121	42	25

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: 1999 AND 2000**

[Excludes government employees and self-employed persons]

Year and county	Number of establishments 1/	Number of employees 2/	Payroll (\$1,000)	
			First quarter	Annual
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
2000				
State total	29,853	432,092	2,982,367	12,331,233
Hawaii	3,629	44,147	260,507	1,094,151
Honolulu	20,637	315,862	2,283,433	9,391,505
Kauai	1,698	19,833	114,595	471,317
Maui	3,889	52,250	323,832	1,374,260

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *County Business Patterns 1999, Hawaii*, CBP/99-13 (April 2001), table 5
<<http://www.census.gov/prod/2001pubs/cbp99/cbp99-13.pdf>> accessed May 8, 2001 and
County Business Patterns 2000, Hawaii, CBP/00-13 (May 2002), table 5
<<http://www.census.gov/prod/2002pubs/00cbp/cbp00-13.pdf>> accessed May 30, 2002.

**Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS,
BY MAJOR GROUP: 2000**

[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	29,853	432,092	12,331,233
11	Forestry, fishing, hunting and agricultural support	48	(E)	(D)
21	Mining	13	(C)	(D)
22	Utilities	44	2,480	164,458
23	Construction	2,391	23,625	1,044,403
31-33	Manufacturing 3/	911	14,844	461,694
311	Food manufacturing	238	5,914	142,527
315	Apparel manufacturing	112	1,786	36,924
323	Printing & related support activities	111	1,312	39,710
42	Wholesale trade	1,809	18,714	626,690
44-45	Retail trade 3/	4,924	63,356	1,312,842
448	Clothing and clothing accessories stores	1,283	11,027	199,331
48-49	Transportation & warehousing	716	23,432	812,365
51	Information	533	8,393	346,823
52	Finance & insurance	1,375	18,369	783,884
53	Real estate & rental & leasing	1,807	14,246	423,162
54	Professional, scientific & technical services	2,751	18,804	787,866
55	Management of companies & enterprises	223	5,046	244,820
56	Admin., support, waste mgt., remediation	1,696	33,498	723,521
61	Educational services	432	13,182	322,570
62	Health care and social assistance 3/	3,007	50,479	1,787,261
621	Ambulatory health care services	2,380	18,707	791,784
71	Arts, entertainment & recreation	482	10,000	174,023
72	Accommodation & food services	3,021	84,935	1,645,323
81	Other services (except public admin.)	3,184	23,476	489,224
95	Auxiliaries (except corporate, subsidiary & regional mgt.)	88	4,183	153,584
99	Unclassified establishments	398	540	13,288

C 100 to 249.

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 other subgroups not shown separately.

Source: U.S. Census Bureau, *County Business Patterns 2000, Hawaii*, CBP/00-13 (May 2002), table 1
<<http://www.census.gov/prod/2002pubs/00cbp/cbp00-13.pdf>> accessed May 30, 2002.

Table 15.18-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, BY EMPLOYMENT-SIZE CLASS: 1999 AND 2000

[Excludes government employees and self-employed persons]

Employment-size class	Number of establishments		Number of employees		Annual payroll (\$1,000)	
	1999	2000	1999	2000	1999	2000
Total	29,569	29,853	419,047	432,092	11,661,968	12,331,233
1 to 4	15,520	15,658	28,059	28,336	898,475	917,931
5 to 9	6,111	6,063	40,186	39,995	1,029,327	1,025,466
10 to 19	3,948	4,067	53,116	54,739	1,346,585	1,443,517
20 to 49	2,474	2,494	74,375	75,509	1,921,317	1,949,302
50 to 99	924	953	62,438	64,904	1,604,704	1,746,385
100 to 249	412	430	60,237	63,503	1,702,890	1,876,246
250 to 499	115	121	38,334	40,182	1,059,145	1,158,651
500 to 999	43	42	29,773	28,307	895,222	891,790
1,000 or more	1/ 22	2/ 25	32,529	36,617	1,204,303	1,321,945

1/ 1,000-1,499 employees, 16 establishments; 1,500-2,499 employees, 5 establishments; 2,500-4,999 employees, 1 establishment.

2/ 1,000-1,499 employees, 17 establishments; 1,500-2,499 employees, 7 establishments; 2,500-4,999 employees, 1 establishment.

Source: U.S. Census Bureau, *County Business Patterns 1999, Hawaii*, CBP/99-13 (April 2001), pp. 3, 25, and 30 <<http://www.census.gov/prod/2001pubs/cbp99/cbp99-13.pdf>> accessed May 8, 2001 and *County Business Patterns 2000, Hawaii*, CBP/00-13 (May 2002), pp.3, 26, and 31 <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-13.pdf>> accessed May 30, 2002.

Table 15.19-- BUSINESS CLIMATE INDEXES: 1997 TO 2001

Index	1997	1998	1999	2000		2001	
				Index	Rank	Index	Rank
Economic performance	C	F	D	D	40	D	37
Business vitality	F	F	F	F	48	F	48
Development capacity	B	B	C	D	37	F	46

Source: Corporation for Enterprise Development, *Development Report Card for the States* (annual)
 <<http://drc.cfed.org>> accessed February 13, 2002.

Table 15.20-- CHARACTERISTICS OF BUSINESS AND PROFESSIONAL FIRMS, BY COUNTIES: 2002

Characteristic	State total	Honolulu	Maui	Kauai	Hawaii
All businesses	45,410	32,021	5,453	2,743	5,193
Business type, total 1/	24,458	17,343	2,950	1,385	2,780
Corporation	19,301	13,890	2,331	963	2,117
Partnership	801	520	125	56	100
Proprietorship	4,356	2,933	494	366	563
Employees, total 1/	13,515	10,037	1,290	794	1,394
1 to 4	5,813	4,077	592	440	704
5 to 9	2,940	2,211	279	150	300
10 to 19	2,005	1,535	184	96	190
20 to 49	1,493	1,169	132	65	127
50 to 99	569	472	44	22	31
100 to 199	320	270	25	8	17
200 to 299	113	92	10	4	7
300 to 499	105	84	10	4	7
500 to 999	83	61	9	5	8
1,000 and over	74	66	5	-	3
Sales volume, total 1/	10,731	8,083	958	590	1,100
Under \$500,000	6,068	4,395	515	388	770
\$500,000 to \$999,999	1,547	1,184	142	78	143
\$1.0 to \$4.9 million	1,838	1,456	190	81	111
\$5.0 to \$9.9 million	442	364	41	12	25
\$10.0 to \$24.9 million	355	286	35	12	22
\$25.0 million and over	481	398	35	19	29
Year established, total 1/	22,838	17,423	2,031	1,116	2,268
1821 to 1849	30	16	4	2	8
1850 to 1899	171	119	19	10	23
1900 to 1949	1,300	940	114	72	174
1950 to 1959	1,152	934	73	44	101
1960 to 1969	2,403	1,917	182	96	208
1970 to 1979	5,738	4,283	602	254	599
1980 to 1989	7,598	5,638	654	469	837
1990 to 1999	4,175	3,328	377	163	307
2000 and later	271	248	6	6	11

1/ Distributions exclude non-responding firms and those for which item (typically sales volume) was not applicable.

Source: HBD Inc., *Hawaii Business Directory 2002* (January 2002), pages ix and xi.

**Table 15.21-- REGISTERED CORPORATIONS AND PARTNERSHIPS:
1998 TO 2001**

[Excludes eleemosynary corporations]

Subject	1998	1999	2000	2001
Domestic (Hawaii) corporations:				
Formed 1/	2,938	2,672	2,661	2,923
Dissolved or merged 2/	2,957	3,243	3,414	3,295
On record, June 30 3/	38,231	37,612	37,038	37,565
Foreign (non-Hawaii) corporations:				
Qualified 1/	905	935	1,001	876
Withdrawn, merged, or cancelled 2/	429	513	424	974
On record, June 30 3/	7,731	7,890	8,323	8,164
Partnerships:				
Registered 1/	900	718	700	628
Dissolved or cancelled 2/	1,044	1,100	1,003	936
On record, June 30 3/	8,177	7,628	7,329	7,068
Domestic (Hawaii) Limited Liability Companies:				
Formed 1/	1,076	1,379	1,940	2,332
Dissolved or merged 2/	2	11	6	270
On record, June 30 3/	1,216	2,553	4,447	6,529
Foreign (non-Hawaii) Limited Liability Companies:				
Qualified 1/	184	267	239	322
Withdrawn or merged 2/	5	7	25	65
On record, June 30 3/	233	472	693	958
Domestic (Hawaii) Limited Liability Partnerships:				
Formed 1/	31	41	33	46
Dissolved or merged 2/	1	3	10	4
On record, June 30 3/	44	81	103	136
Foreign (non-Hawaii) Limited Liability Partnerships:				
Qualified 1/	8	6	3	-
Withdrawn or cancelled 2/	-	-	-	-
On record, June 30 3/	10	14	17	18

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 or conversion from another type of entity, reflecting inaccuracy in manual tabulation. A discrepancy does occur when a domestic corporation converts to a limited liability company because the statistic is reflected for the domestic corporation and included in the dissolved or merged statistic, but it is not reflected in the limited liability company's formed statistic.

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: 2000

[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	1,719.0	3,126
2	BancWest Corp.	1858/1974	1,525.9	5,000
3	Schuler Homes Inc.	1988	1,345.5	1,022
4	Pacific Century Financial Corp.	1897	1,320.9	4,162
5	Tesoro Hawaii Corp.	1904	1,300.0	682
6	Hawaii Medical Service Assn. (HMSA)	1938	1,122.0	1,535
7	Alexander & Baldwin Inc.	1870/1900	1,068.6	2,029
8	Kamehameha Schools	1884	936.0	1,250
9	Cheap Tickets Inc.	1986	665.5	1,051
10	Verizon Hawaii	1883	638.7	2,520

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 2001, p. 56.

**Table 15.24-- NET INCOME OR LOSS AND TOTAL REVENUES OF
SELECTED COMPANIES: 1999 AND 2000**

[Based on 2000 ranks for reporting companies]

Company	Net income or loss (\$1,000)		Sales (\$1,000,000)	
	1999	2000	1999	2000
Largest net incomes:				
BancWest Corp.	172,378	216,394	1,333.3	1,525.9
Pacific Century Financial Corp.	132,957	113,661	1,292.1	1,320.9
Alexander & Baldwin Inc.	62,579	90,574	1/ 959.3	1,068.6
Largest net losses:				
Hawaiian Airlines Inc.	(29,270)	(18,600)	488.9	607.2

1/ Revised figures from 2000 company reports were listed in the footnotes of the *Hawaii Business* table, but were not updated in their table.

Source: "The Hawaii Business Top 250," *Hawaii Business*, August 2001, p. 100.

**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/			
		Total	Black- owned	Hispanic- owned 2/	Owned by Asians and others 3/
1992					
All firms:					
Number	79,050	41,111	717	3,192	38,392
Sales and receipts (\$1,000)	10,724,000	4,928,642	27,382	187,717	4,766,788
Firms with paid employees:					
Number	10,420	5,555	42	277	5,301
Sales and receipts (\$1,000)	8,806,000	3,926,269	16,794	131,663	3,804,639
Employees	99,280	44,712	211	2,357	42,461
Annual payroll (\$1,000)	1,799,000	760,387	2,513	39,300	724,331
1997					
All firms:					
Number	93,981	54,250	638	4,153	51,092
Sales and receipts (\$1,000)	55,361,257	14,822,367	34,165	277,047	14,571,305
Firms with paid employees:					
Number	23,415	12,719	168	360	12,264
Sales and receipts (\$1,000)	52,869,179	13,569,934	20,562	178,206	13,408,466
Employees	412,304	125,771	561	2,276	123,787
Annual payroll (\$1,000)	10,418,079	3,057,851	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* <<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* <<http://www.census.gov/epcd/mwb97/hi/HI.html>> accessed May 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: 2001*, Section 24.

Table 16.01-- INFORMATION ESTABLISHMENTS: 2000

[Excludes most government employees, and self-employed persons]

NAICS code	Industry	No. of establishments	No. of employees for week including March 12 1/	Annual Payroll (\$1000)
51	Information	533	8,393	346,823
511	Publishing industries	99	2,119	96,239
51111	Newspaper publishers	23	G	D
51112	Periodical publishers	39	E	D
51113	Book publishers	8	B	D
51114	Database and directory publishers	5	B	D
51119	Other publishers	10	69	2,229
5112	Software publishers	14	B	D
5121	Motion picture & video industries	99	G	D
5122	Sound recording industries	13	B	D
513	Broadcasting & telecommunications	243	4,420	210,249
5131	Radio & television broadcasting	37	F	D
5132	Cable network & program distribution	17	F	D
5133	Telecommunications	189	2,897	145,436
51331	Wired telecommunication carriers	110	1,952	101,611
51332	Wireless telecom carriers (exc. satellite)	71	F	D
	Other	8	B	D
5141	Information services	48	310	10,468
5142	Data processing services	31	C	D

D Withheld to avoid disclosing data for individual companies.

1/ Employment-size classes:

B 20 to 99,

C 100 to 249,

E 250 to 499,

F 500 to 999,

G 1,000 to 2,499.

Source: U.S. Census Bureau, *County Business Patterns Hawaii: 2000*, CBP-00-13 (May 2002), table 2 <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-13.pdf>> accessed June 12, 2002.

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 <<http://www.census.gov/epcd/www/97EC51.HTM>>.

**Table 16.03-- NUMBER OF POST OFFICES AND STATIONS, BY ISLANDS:
SEPTEMBER 10, 2000**

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G 2/	H-J 3/	K 4/	L 5/	Classified 6/	Contract 7/
State total	135	35	27	10	-	34	29
Hawaii	32	9	12	4	-	2	5
Maui	14	9	1	-	-	2	2
Lanai	1	-	1	-	-	-	-
Molokai	4	1	1	3	-	-	-
Oahu	63	12	4	1	-	27	19
Kauai	20	4	8	2	-	3	3
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-- NUMBER OF POST OFFICES AND STATIONS, BY ISLANDS:
SEPTEMBER 10, 2001**

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G 2/	H-J 3/	K 4/	L 5/	Classified 6/	Contract 7/
State total	135	36	26	10	-	34	29
Hawaii	32	9	12	4	-	2	5
Maui	14	9	1	-	-	2	2
Lanai	1	-	1	-	-	-	-
Molokai	4	1	-	3	-	-	-
Oahu	63	12	4	1	-	27	19
Kauai	21	5	8	2	-	3	3
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 16.05-- POSTAL SERVICE: 1996 TO 2001

[Years ended September 30]

Subject	1996	1997	1998	1999	2000	2001
Post offices, September 30	72	72	72	72	72	72
Stations, September 30 1/	61	59	58	61	63	63
Gross postal receipts (\$1,000)	172,686	172,714	171,816	174,958	176,923	179,182
Pieces of mail 2/ (millions)	530	549	556	560	551	542

1/ Includes both classified and contract stations (see preceding table).

2/ Originating in Hawaii.

Source: U.S. Postal Service, Honolulu District, records.

Table 16.06-- TELEPHONE STATISTICAL SUMMARY: 1995 TO 2001

Subject	Number or percent
Telephone revenues (million dollars):	
1995	775
1996	841
1997	930
1998	969
1999	1,009
2000	1,177
Carrier's carrier	247
End user	930
Telephone penetration: 1/	
1984	93.5
1999	96.3
July 2001	96.9
Mobile wireless telephone subscribers:	
Dec. 1999	288,425
June 2000	454,364
Dec. 2000	524,291
June 2001	543,283

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; Trends in Telephone Service (May 2002)

<http://www.fcc.gov/Bureaus/Common_Carrier/Reports/FCC-State_link/IAD/trend502.pdf> accessed July 25, 2002.

**Table 16.07-- 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 16.08-- 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 16.09-- 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 16.10-- 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 16.11-- CELLULAR TELEPHONE COMPANY REVENUES, BY ISLANDS: 1989 TO 2001

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	201,495	(NA)	(NA)	(NA)	(NA)
2001	10	1/				

NA Not available, due to confidentiality of these reports.

1/ Annual Utility Financial Reports are due on March 31, 2002.

Additional extension until July 31, 2002, may also be requested.

Source: Hawaii State Public Utilities Commission, records.

**Table 16.12-- 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/ftn00/Falling.htm>>.

Table 16.13-- 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 16.14-- RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, 1925 TO 2001, AND BY COUNTIES, 2001

Date and county	Commercial			Public or educational		
	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
2001	28	40	23	1	7	2
COUNTIES: 2001						
Hawaii	5	10	7	-	1	-
Maui	4	10	5	-	1	1
Honolulu 2/	17	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, *2002 Working Press of the Nation*, Vol. 3, TV & Radio Directory, 52nd edition, and previous editions.

**Table 16.15-- 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 16.16-- 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 16.17-- 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/	2	2	1	1	1	1
Korean	-	-	1	1	2	2
Place of publication:						
Honolulu, Oahu	6	5	5	5	6	6
Hilo, Hawaii	1	1	1	1	1	1
Kailua-Kona, Hawaii	-	-	1	1	1	1
Lihue, Kauai	-	-	1	1	1	1
Wailuku, Maui	-	-	1	1	1	1

1/ Includes English section.

Source: Aloha United Way, *Hawaii Media Guide* for 1977-1985; *Hawaii All-Media Publicity Guide*, 1987, 1991, 1996 and 1997; Helen G. Chapin, *Guide to Newspapers of Hawai'i 1834-2000* (Hawaiian Historical Society, 2000).

Table 16.18-- 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: Robert C. Schmitt, *Historical Statistics of Hawaii* (The University Press of Hawaii, 1977), table 18.5; Helen G. Chapin, *Guide to Newspapers of Hawai'i 1834-2000* (Hawaiian Historical Society, 2000), pp. 127-226.

Table 16.19-- AVERAGE PAID CIRCULATION OF DAILY AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 1997-1998 TO 2000-2001

[Averages for 12-month periods ended in March. Foreign-language daily newspapers, not included in this table, are the *Hawaii Hochi*, Japanese and English; *The Joong-Ang Daily News*, *Korea Times/Han Kook Ilbo* and *Korea Central Daily*, Korean; and *United Chinese Press*, Chinese]

Newspaper	1997-98	1998-99	1999-2000	2000-2001
Daily				
<i>The Honolulu Advertiser</i> 1/	104,233	104,602	107,495	150,277
<i>Honolulu Star-Bulletin</i> 2/	69,188	67,124	63,480	(NA)
<i>Hawaii Tribune-Herald</i> (Hilo) 3/	(NA)	19,069	(NA)	20,213
<i>West Hawaii Today</i> (Kailua-Kona) 3/	10,938	11,667	11,206	12,146
<i>Maui News</i> (Wailuku) 4/	17,142	16,970	17,225	18,959
<i>Garden Island</i> (Lihue) 5/	8,352	8,790	8,379	8,478
Sunday morning				
<i>The Honolulu Advertiser</i>	190,349	188,556	187,277	170,009
<i>Honolulu Star Bulletin</i>	(X)	(X)	(X)	(NA)
<i>Hawaii Tribune-Herald</i> (Hilo)	(NA)	22,851	(NA)	23,780
<i>West Hawaii Today</i> (Kailua-Kona)	13,981	14,610	14,617	16,069
<i>Maui News</i> (Wailuku)	24,098	24,220	24,365	24,563
<i>Garden Island</i> (Lihue)	9,293	9,395	9,210	9,461

NA Not available.

X Not applicable.

1/ Morning and afternoon, Monday through Saturday. The afternoon edition began on March 15, 2001.

2/ Afternoon, Monday through Saturday. New owner Oahu Publications began to publish on March 15, 2001. Morning, midday, and final editions, different areas, Monday through Saturday. The Sunday edition began on April 1, 2001.

3/ Morning, Monday through Thursday.

4/ Afternoon, Monday through Friday. The *Maui News* became a morning paper on July 24, 2000. The Saturday edition began on March 10, 2001.

5/ Afternoon, Monday through Friday. As of September 2000, The *Garden Island* added a Saturday morning edition.

Source: <<http://www.starbulletin.com>> May 2, 2002; *Maui News*, records; *Garden Island*, records.

**Table 16.20-- POSTAGE RATES AND NEWSPAPER PRICES, FOR
HONOLULU: 1990 TO 2002**

[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	50	175
2002	37	23	23	50	2/ 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). The *Honolulu Star-Bulletin*, under new owner Oahu Publications, began to publish on March 15, 2001, with the first Sunday edition on April 1, 2001.

2/ For the *Honolulu Star-Bulletin* the street price is 75 cents.

Source: Postal rates from *Statistical Abstract of the United States: 2001*, table 1117, and U.S. Postal Service, *Domestic Rates and Fees*. Newspaper rates from *The Honolulu Advertiser* and Oahu Publications.

**Table 16.21-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE
UNIVERSITY OF HAWAII PRESS: 1991 TO 2001**

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		
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
2001	1,748	1,003	84	12	316,978	3,583,534

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* 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: 2001*, Sections 16 and 19.

**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	16,844	27	(NA)	(NA)	(NA)
1965	0	0	22,478	105	(NA)	(NA)	(NA)
1970	0	0	34,105	108	(NA)	(NA)	(NA)
1975	0	0	37,097	89	(NA)	(NA)	(NA)
1980	0	3	43,562	86	(NA)	(NA)	(NA)
1985	46	2	40,091	86	(NA)	(NA)	(NA)
1990	28	3	48,714	79	(NA)	(NA)	(NA)
1991	37	3	45,606	71	(NA)	(NA)	(NA)
1992	47	3	44,439	61	(NA)	(NA)	(NA)
1993	73	3	38,814	56	(NA)	(NA)	(NA)
1994	86	3	41,396	141	(NA)	(NA)	(NA)
1995	192	3	40,947	98	(NA)	(NA)	(NA)
1996	169	3	38,811	105	(NA)	(NA)	(NA)
1997	145	3	37,134	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.

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	94.6	0.3	0.0	0.0	94.9
1965	0.0	0.0	129.3	1.1	0.2	0.0	130.6
1970	0.0	0.0	195.4	1.1	0.4	0.0	197.0
1975	0.0	0.0	212.9	0.9	0.6	0.0	214.4
1980	0.0	3.0	249.6	0.9	11.9	0.0	265.4
1985	1.1	2.7	232.6	0.9	14.2	0.4	251.9
1990	0.7	3.0	284.4	0.8	6.6	1.3	296.8
1991	0.9	2.9	265.6	0.7	6.7	1.4	278.3
1992	1.2	2.9	258.8	0.6	7.0	1.3	271.7
1993	1.8	2.8	224.0	0.6	6.8	4.4	240.4
1994	1.8	2.9	237.2	1.5	6.9	5.4	255.7
1995	4.1	2.9	234.7	1.0	8.0	6.3	257.0
1996	3.6	2.8	221.4	1.1	16.0	6.5	251.4
1997	3.3	2.7	213.7	1.2	14.8	6.2	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.

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	20.6	61.8	17.6
1965	10.1	6.8	34.7	79.0	27.6
1970	16.4	11.6	43.7	125.3	43.2
1975	19.6	13.8	50.4	130.5	58.8
1980	23.2	20.8	74.7	146.7	69.7
1985	20.9	20.3	67.5	143.3	70.0
1990	26.1	34.3	79.4	156.9	86.1
1991	24.3	28.2	74.3	151.4	79.2
1992	24.1	32.8	71.9	142.9	74.6
1993	20.9	22.7	70.0	126.8	66.2
1994	20.6	25.4	74.3	135.3	64.7
1995	21.0	24.4	76.2	135.4	66.5
1996	21.7	23.8	85.9	120.0	68.2
1997	21.6	24.2	79.4	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

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: 1991 TO 2000

Year	Primary energy consumption		Electricity sales by utilities	
	Total (trillion Btu)	Per capita 1/ (million Btu)	Total (1,000 kWh)	Per capita 1/ (kWh)
1991	322.95240	2/ 258.999	8,564,032	2/ 6,868
1992	339.09120	2/ 268.486	8,643,562	2/ 6,844
1993	307.74649	2/ 244.920	8,657,905	2/ 6,890
1994	2/ 327.47782	2/ 256.610	8,948,458	2/ 7,012
1995	2/ 315.11859	2/ 245.854	9,187,429	2/ 7,168
1996	315.94920	2/ 245.953	9,378,962	2/ 7,301
1997	315.99270	2/ 242.027	9,345,281	2/ 7,158
1998	302.87730	2/ 231.316	9,261,071	2/ 7,073
1999	308.40090	235.846	9,379,808	7,173
2000 3/	325.21084	243.059	9,690,599	7,243

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:
1988 TO 2000**

[Trillion Btu]

Year	Total	Petroleum	Biomass	Solar hot water
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	302.8773	269.1272	7.5220	3.1225
1999	308.4009	272.4720	9.2784	3.5483
2000 1/	325.2108	290.2354	7.1331	3.5483

Year	Hydroelectric	Coal	Wind	Geothermal	Solid waste
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	0.7654	14.7665	0.2159	2.2782	5.0796
1999	1.2410	14.5187	0.1738	2.0255	5.1432
2000 1/	0.9481	15.4724	0.1794	2.5855	5.1086

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: 1991 TO 2000**

[Millions of dollars]

Year	Total energy expenditures	Fuel expenditures			Less: electric utility fuel expenditures	Plus: electricity purchased by end-user
		Total	Electric utility	Other		
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	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	2,442.9	1,580.2	210.9	1,369.3	210.9	1,073.6
1999	2,544.6	1,656.2	234.7	1,421.5	234.7	1,123.1
2000 1/	3,383.0	2,417.4	394.2	2,023.2	394.2	1,359.8

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 17.09-- ELECTRIC UTILITIES: 1990 TO 2001

Year	Customers, Dec. 31 1/			Power sold (1,000 kWh)		
	Total	Residen- tial 2/	Other	Total	Residen- tial 2/	Other
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
2001	436,150	376,054	60,096	9,776,882	2,802,432	6,974,450

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
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
2001	7,452	116,055	0.16336	0.13095	1,371,113	457,797	913,317

Footnotes and source on next page.

Table 17.09-- ELECTRIC UTILITIES: 1990 TO 2001 -- 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: 2001

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	436,150	376,054	60,096	(X)	9,776,882	2,802,432	6,974,450
Oahu	280,911	247,672	33,239	1,233	7,276,681	1,924,443	5,352,238
Hawaii	65,241	54,453	10,788	178.1	959,607	361,285	598,323
Kauai	31,158	23,922	7,236	71.1	406,521	137,264	269,257
Maui County	58,840	50,007	8,833	(X)	1,134,072	379,440	754,633
Lanai	1,509	1,306	203	5.2	26,905	7,068	19,838
Maui	54,405	46,320	8,085	191.0	1,071,486	360,025	711,462
Molokai	2,926	2,381	545	6.5	35,681	12,348	23,333
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	7,452	116,055	1.16336	0.13095	1,371,113	457,797	913,317
Oahu	7,770	161,023	0.14255	0.11359	882,308	274,321	607,986
Hawaii	6,635	55,462	0.21910	0.19062	193,209	79,157	114,052
Kauai	5,738	37,211	0.23684	0.22001	91,750	32,510	59,240
Maui County	7,588	85,433	0.18925	0.17497	203,847	71,809	132,038
Lanai	5,412	97,722	0.24415	0.24555	6,597	1,726	4,871
Maui	7,773	87,998	0.18656	0.17125	189,003	67,166	121,837
Molokai	5,186	42,814	0.23631	0.22841	8,247	2,918	5,330

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: 1991 TO 2001

[Excludes bottled gas]

Year	Customers, Dec. 31			Gas sold (1,000 therms)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
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
2001	36,431	32,833	3,598	34,159	5,401	28,758

Year	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues (\$1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
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
2001	165	7,993	2.59225	1.56297	58,949	14,001	44,948

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: 2001

[Excludes bottled gas]

County or island	Customers, December 31			Gas sold (1,000 therms)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
State total	36,431	32,833	3,598	34,159	5,401	28,758
Oahu	33,654	30,425	3,229	31,071	4,990	26,081
Hawaii	1,640	1,350	290	2,126	234	1,891
Kauai	658	658	-	85	85	-
Maui	408	329	79	863	77	786
Molokai	71	71	-	15	15	-
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	165	7,993	2.59225	1.56297	58,949	14,001	44,948
Oahu	164	8,077	2.55260	1.56851	53,647	12,738	40,908
Hawaii	174	6,521	3.32148	1.53245	3,677	779	2,898
Kauai	129	-	3.05001	-	259	259	-
Maui	234	9,947	2.43086	1.45250	1,329	187	1,141
Molokai	205	-	2.62590	-	38	38	-
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: 1991 TO 2001**

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					
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
2001	280,911	247,672	7,643,288	7,276,681	7,816	0.14255	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: 1991 TO 2001**

Calendar year	Customers, Dec. 31		Gas sold 1/ (1,000 therms)		Average annual residential usage 1/ (therms)
	Total	Residential	Total	Residential	
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	30,027	5,287	176
1994	33,597	30,344	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
2001	33,625	30,403	31,071	4,990	164

1/ Includes liquefied petroleum gas.
Source: The Gas Company, records.

Table 17.15-- LIQUID FUEL TAX BASE: 1991 TO 2001

[In thousands of gallons. Liquid fuel sold in a given month is usually reported the following month month. Annual totals accordingly refer to fuel sold during a 12-month period ending November 30]

Year reported	All types		Gasoline	Diesel oil	
	Total	Excluding aviation		Non-hwy.	Hwy. use
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
2001	962,973	627,076	409,910	179,000	34,018

Year reported	Liquefied petroleum gas		Aviation fuel	Small boats	
	Off-hwy.	Hwy. use		Gasoline	Diesel oil
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
2001	3,783	310	335,897	9	47

Source: Hawaii State Department of Taxation, Tax Research & Planning, "Liquid Fuel Tax Base and Tax Collections" (annual release).

Table 17.16-- LIQUID FUEL TAX BASE, BY COUNTIES: 2001

[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	962,973	701,471	107,449	111,155	42,899
Gasoline	409,910	264,461	56,585	64,634	24,230
Diesel oil, non-hwy.	179,000	121,126	25,580	21,397	10,897
Diesel oil, hwy. use	34,018	20,337	4,151	7,897	1,633
Liq. pet. gas, off hwy.	3,783	1,645	590	1,171	376
Liq. pet. gas, hwy. use	310	272	16	6	15
Small boats, gasoline	9	9	-	-	-
Small boats, diesel oil	47	7	-	40	-
Aviation fuel	335,897	293,614	20,525	16,009	5,749

Source: Hawaii State Department of Taxation, Tax Research & Planning, "Liquid Fuel Tax Base and Tax Collections, Calendar Year Ending December 31, 2001" (annual release).

**Table 17.17-- GASOLINE SERVICE STATIONS WITH PAYROLL, BY
COUNTIES: 1987, 1992, 1997 AND 2000**

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
2000 2/	328	207	61	20	40

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; *1997 Economic Census, Retail Trade, Hawaii*, EC97R44A-HI (November 1999), tables 1 and 3; U.S. Census Bureau, *County Business Patterns Hawaii: 2000*, CPB/00-13 (May 2002), tables 1 and 6 <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-13.pdf>> accessed June 12, 2002.

**Table 17.18-- BOILERS AND PRESSURE VESSELS, BY ISLANDS:
DECEMBER 31, 2001**

Island	Total	Power boilers	Heating boilers	Pressure vessels
State total	9,907	590	2,567	6,750
Hawaii	1,303	96	302	905
Maui	1,398	84	353	961
Lanai	48	4	13	31
Molokai	66	6	23	37
Oahu	6,587	358	1,781	4,448
Kauai	505	42	95	368

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	3/ 4.63	-
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.

3/ Revised.

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 in survey	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	151	454	22	9,761	106	454	3,999,005	1,816
Bio sciences	22	22	64	38	2,400	16	64	1,036,684	66
Earth, ocean, space sciences	33	32	96	17	1,632	25	96	2,046,160	196
Energy related (excluding traditional)	20	19	58	15	841	16	58	4,325,290	251
Medical, healthcare; dual-use; distance learning	16	15	47	68	3,201	9	47	3,996,222	188
Total	247	239	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 < <http://www.htdc.org/bussurvey/2001/images/2k1figures/table3.gif>>.

**Table 17.21-- FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
AND FOR R&D PLANT IN HAWAII: 1994 TO 1999**

[Millions of dollars. For fiscal years ended September 30]

Type of obligation	1994	1995	1996	1997	1998	1999
Obligations for R&D	140.3	139.3	147.6	150.7	1/ 164.5	198.8
Obligations for R&D plant	14.3	0.5	1.7	3.0	1/ 1.5	9.3

1/ Revised.

Source: National Science Foundation/Division of Science Resources Studies, *Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000 and 2001*

<<http://www.nsf.gov/sbe/srs/nsf01334/pdf/start.htm#geog>> accessed February 25, 2002.

**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 2000-01**

[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
2000-01	1,255	160,859,800	835	132,833,308	570	83,400,610

Source: Office of Research Services, University of Hawaii, *2000-2001 Extramural Awards* (2001), p. i.

**Table 17.25-- RESEARCH AND DEVELOPMENT EXPENDITURES AT
DOCTORATE-GRANTING INSTITUTIONS: FISCAL YEARS 1991 TO 2000**

[In thousands of dollars]

	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	1/ 66,902	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	-
2000	161,300	95,419	35,474	11,158	19,249	-

1/ Revised.

Source: National Science Foundation/SRS, Academic Research and Development Expenditures. Fiscal Year 2000 (NSF 02-308) <<http://www.nsf.gov/sbe/srs/usf02308/>> accessed August 6, 2002.

**Table 17.26-- PATENTS ISSUED TO HAWAII RESIDENTS:
1980 TO 2001**

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	2001	107

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)
<http://www.uspto.gov/web/offices/ac/ido/oeip/taf/cst_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, 1997 Economic Census, 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: 2001*, Section 23.

Table 18.01-- HIGHWAY DISTANCES: 2000

Route		Route	
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	8.0
Hilo-Mauna Loa summit	52.4	Kaunakakai-Halawa	27.6
Hilo-Volcano House	30.7	Airport-Sheraton Hotel	11.5
Hilo-Kailua, via Naalehu	123.0		
Hilo-Kailua, via Saddle Rd.	84.0	OAHU 1/	
Hilo-Kailua, via Hamakua	98.1		
Hilo-Waimea, via Saddle Rd.	60.9	Honolulu-Ala Moana Center	1.5
Hilo-Waimea, via Hamakua	55.7	Honolulu-UH, via King Street	3.2
Hilo-Upolu Pt., via Hamakua	89.6	Honolulu-Waikiki	3.2
Hilo-Kawaihae, via Hamakua	67.5	Honolulu-Waimanalo, via Koko Head	21.2
Waimea-Hawi	20.2	Honolulu-Waimanalo, via Nuuanu	16.0
Waimea-Kawaihae	10.0	Honolulu-Kailua, via Nuuanu	13.0
Kawaihae-Hawi	17.3	Honolulu-Kaneohe, via Kalihi	12.0
Kawaihae-Kailua	34.3	Honolulu-Kahuku, via Kahaluu	38.0
Kailua-Keahole Airport	7.3	Honolulu-Kahuku, via Wahiawa	48.0
Kailua-Keauhou	5.7	Honolulu-Kaena Pt., via Wahiawa	43.4
		Honolulu-Kaena Pt., via Waianae	43.7
MAUI		Honolulu-Wahiawa	23.0
		Honolulu-Pearl Harbor Shipyard	8.0
Wailuku-Kahului	2.3	Honolulu-Honolulu Airport	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		
Wailuku-Lahaina, via Olowalu	20.9	KAUAI	
Kahului-Kihei	8.2		
Lahaina-Wailea	32.4	Lihue-Haena	38.2
Lahaina-Napili	8.9	Lihue-Wailua	5.9
Lahaina-Kaanapali	3.7	Lihue-Lihue Airport	2.0
		Lihue-Poipu	11.9
LANAI		Lihue-Mana	32.9
		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/ 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: 1990 TO 2000

[Excludes private thoroughfares and military roads not regularly open to public use]

Category	1990	1994	1997	1998	1999	2000
Total mileage	4,101	4,100	4,164	4,218	4,256	4,299
Paved	3,887	3,902	3,966	4,020	4,056	4,127
Unpaved	214	198	198	198	198	172

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-- CONDITION OF BRIDGES: 1998 AND 2000

Area	Total Number	Deficient and obsolete					
				Structurally deficient		Functionally absolute	
		Number	Percent	Number	Percent	Number	Percent
1998							
U.S.	582,984	172,582	29.6	93,076	16.0	79,506	13.6
Hawaii	1,060	541	51.0	127	12.0	414	39.1
2000							
U.S.	587,755	167,993	28.6	87,106	14.8	80,887	13.8
Hawaii	1,066	550	51.6	201	18.9	349	32.7

Source: U.S. Federal Highway Administration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2000 (table 1016), and 2001 (table 1078)
 <<http://www.census.gov/prod/2002pubs/01statab/trans.pdf>> accessed March 11, 2002.

Table 18.06-- 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 18.07-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:
1991 TO 2001**

[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
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
2001	986,555	967,146	775,737	53	2,847
		Motor vehicles -- continued			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers
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
2001	168,414	495	314	19,286	19,409

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 18.08-- MOTOR VEHICLES REGISTERED, BY COUNTIES:
1991 TO 2001**

[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
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
2001	967,146	631,232	136,786	62,655	136,473

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 18.09-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR COUNTIES: 2001

[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	986,555	643,974	137,802	65,233	139,546
Motor vehicles	967,146	631,232	136,786	62,555	136,473
Passenger vehicles 1/	775,737	519,566	105,008	45,284	105,879
Ambulances	53	31	10	-	12
Buses	2,847	2,269	257	13	308
Trucks 1/	168,414	95,562	28,587	16,397	27,868
Truck tractors	495	256	108	32	99
Truck cranes	314	197	42	13	62
Motorcycles, motorscooters 2/	19,286	13,351	2,774	916	2,245
Trailers and semi-trailers	19,409	12,742	1,016	2,578	3,073

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 18.10-- VEHICLE REGISTRATION, BY TAXATION STATUS, FOR COUNTIES: 2001

[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	947,865	617,886	134,012	61,739	134,228
Taxable vehicles	880,692	554,026	132,711	60,926	133,029
Exempt vehicles	67,173	63,860	1,301	813	1,199
Federal government	369	348	16	1	4
State government	5,326	5,325	1	-	-
County government	6,692	4,545	627	557	963
Fire department	236	60	113	34	29
Police department	1,647	1,281	364	-	2
Consulates	60	60	-	-	-
Disabled veterans	142	83	10	45	4
Military non-resident	52,209	51,901	93	167	48
Farm	330	119	62	6	143
Horseless carriage	55	42	11	2	-
Electric vehicles	107	96	4	1	6

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.11-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTIES: 2000**

Vehicles available	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
Occupied units	403,240	52,985	286,450	115	20,183	43,507
None	44,280	3,655	36,614	13	1,221	2,777
1	149,369	19,499	107,393	63	6,770	15,644
2	143,919	21,017	97,752	39	8,229	16,882
3 or more	65,672	8,814	44,691	-	3,963	8,204

Source: U.S. Bureau of the Census, Census 2000, Table DP-4, Profile of Selected Housing Characteristics: 2000.

Table 18.12-- 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 18.13-- 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 18.14-- 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 18.15-- 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 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTIES:
1991 TO 2001**

[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
2001	787,820	542,244	106,557	45,424	93,595

Source: Hawaii State Department of Transportation.

**Table 18.17-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE
AND SEX: DECEMBER 31, 2000 AND 2001**

Age	Both sexes		Male		Female	
	2000	2001	2000	2001	2000	2001
Total	769,383	787,820	405,584	415,555	363,799	372,265
15 to 19 years	40,698	33,598	21,879	17,969	18,819	15,629
20 to 24 years	66,100	69,631	35,351	37,349	30,749	32,282
25 to 34 years	144,257	147,395	74,961	76,858	69,296	70,537
35 to 44 years	167,841	168,672	85,957	86,666	81,884	82,006
45 to 54 years	158,032	164,116	82,438	85,493	75,594	78,623
55 to 64 years	94,036	101,920	50,492	54,736	43,544	47,184
65 to 74 years	62,563	64,079	33,258	34,054	29,305	30,025
75 to 84 years	31,678	33,762	18,377	19,343	13,301	14,419
85 years and over	4,178	4,647	2,871	3,087	1,307	1,560
Median age (years)	43	43	43	44	43	43

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.18-- 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 18.19-- 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 18.20-- ROADWAY CONGESTION FOR THE HONOLULU URBANIZED
AREA AND THE AVERAGE OF URBANIZED AREAS IN THE
UNITED STATES: 1997 AND 1999**

Subject	Honolulu		U.S. (average)	
	1997	1999	1997 1/	1999 2/
Freeway daily vehicle miles of travel (1,000)	5,720	5,715	15,030	15,960
Per lane-mile of freeway	14,300	14,290	15,240	15,890
Annual person hours of delay	13,220	13,420	63,560	65,930
Per person	19	19	35	36
Annual congestion cost:				
Per person (dollars)	325	345	585	625
Delay and fuel cost (mil. dol.)	230	240	1,060	1,145
Fuel wasted (gal. per person)	30	30	(NA)	55

NA Not available.

1/ 68 urbanized areas.

2/ 41 urbanized areas.

Source: Texas Transportation Institute, as cited in *Statistical Abstract of the United States: 2000*, table 1034, and *Statistical Abstract of the United States: 2001*, table 1089,
<<http://www.census.gov/prod/2002pubs/01statab/trans.pdf>> accessed March 11, 2002
<<http://mobility.tamu.edu/ums/study/cities>> accessed May 9, 2002.

Table 18.21-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1990 TO 2000, AND BY COUNTIES, 1999 AND 2000

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
1990	26,640	154	14,036	176
1991	21,840	119	12,799	135
1992	21,835	121	13,403	128
1993	21,471	121	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	12,445	117	11,190	131
1998	11,543	113	10,303	120
1999	10,632	90	9,604	98
2000	(NA)	(NA)	(NA)	(NA)
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
COUNTIES: 2000				
Honolulu	7,122	58	6,084	66
Hawaii	2,201	34	1,805	38
Kauai	483	4	441	5
Maui	(NA)	(NA)	(NA)	(NA)

NA Not available.

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.

Source: Hawaii State Department of Transportation, Highways Division, Traffic Safety Section, records.

**Table 18.22-- TRAFFIC FATALITIES AND HIGHEST BLOOD ALCOHOL CONCENTRATION (BAC)
IN THE CRASH: 1998**

Area	All fatalities	Any alcohol						
		No alcohol BAC = 0.00g/dl 1/		Low alcohol BAC = 0.01 g/dl		High alcohol BAC = 0.10 g/dl		
		Number	Percent	Number	Percent	Number	Percent	
U.S.	41,717	62	15,976	38	3,523	8	12,453	30
Hawaii	98	56	43	44	11	12	31	32

1/ Blood alcohol content (BAC) is measured in grams per deciliter (g/dl). One decileter = 1/10 liter.

Source: U.S. National Highway Traffic Safety Administration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States: 2001*, table 1098 <<http://www.census.gov/prod/2002pubs/01statab/trans.pdf>> accessed March 11, 2002.

**Table 18.23-- REGISTERED TAXICABS AND BICYCLES, BY ISLANDS:
1999 TO 2001**

[As of December 31]

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	1999	2000	2001	1999	2000	2001
Hawaii	163	170	159	4,654	4,693	4,551
Maui	216	200	216	4,057	3,247	2,225
Lanai	-	-	-	74	55	24
Molokai	-	-	-	237	183	45
Oahu	1,213	1,359	1,636	3/ 91,635	116,459	24,777
Kauai	-	-	-	3/ 1,770	1,095	488

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 18.24-- 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 18.25-- MOTOR CARRIER CHARACTERISTICS, BY COUNTIES:
SEPTEMBER 2001**

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
State total	1,869	8,695	209,832	5,474	34,522
Hawaii	220	1,404	43,843	1,113	5,743
Maui	308	1,914	44,052	892	4,448
Honolulu	1,219	4,721	106,197	2,997	22,456
Kauai	122	656	15,740	472	1,875

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 18.26-- PUBLIC TRANSIT, FOR OAHU: 1991 TO 2001

[As of June 30. Tables in previous Data Book editions were based on calendar year. Service provided by City and County of Honolulu bus system]

Year	Number of buses	Bus mileage 1/	Total passengers 2/	Revenues (dollars)
1991	510	18,063,079	72,815,706	18,757,312
1992	475	18,185,305	72,980,668	19,534,923
1993	470	18,120,044	75,557,318	19,837,616
1994	501	18,396,694	77,338,147	23,897,154
1995	508	19,031,466	72,745,086	25,058,736
1996	523	19,090,912	68,923,459	30,420,976
1997	524	19,452,526	68,634,884	29,804,091
1998	525	19,665,805	71,822,553	29,197,402
1999	525	19,639,602	66,236,147	27,819,265
2000	525	20,359,607	66,602,820	27,055,656
2001	529	21,710,838	70,384,025	26,963,518

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 18.27-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2002

[In dollars]

Effective date	Cash fares 1/		Monthly passes	
	Adult	Student	Adult	Student
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 July 31, 2002.

**Table 18.28-- STEAM RAILROAD MILEAGE AND PASSENGERS:
1987 TO 2001**

[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
					2001	(NA)	(NA)	7.0	14,982

NA Not available.

1/ Data incomplete.

Source: Lahaina Kaanapali & Pacific Railroad, records <<http://www.statesrail.com>>; Hawaiian Railway, records.

**Table 18.29-- 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 18.30-- RANK OF HONOLULU INTERNATIONAL AIRPORT IN OPERATIONS AND ENPLANED PASSENGERS: 1997 TO 2000

Subject	Rank		Number			
	1999	2000	1997	1998	1999	2000
Aircraft operations	29	30	357,970	336,672	346,477	345,496
Passenger enplanements	23	23	11,596,316	10,946,354	10,974,390	11,174,701

Source: U.S. Department of Transportation, Federal Aviation Administration, 2001 Aviation Capacity Enhancement Plan - Appendix B <http://www.faa.gov/ats/asc/publications/01_ACE/APPEND_B.PDF> accessed July 26, 2001.

Table 18.31-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2000 AND 2001

[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
2000					
Honolulu International	345,771	206,870	31,539	91,484	15,878
Kahului	174,855	63,799	77,779	29,983	3,294
Kona International	98,052	29,561	9,547	47,021	11,923
Lihue	113,850	33,645	57,883	17,800	4,522
Hilo International	115,546	22,266	48,680	32,908	11,692
Molokai	44,691	1,484	27,385	11,869	3,953
Kalaeloa	160,157	-	532	133,466	26,159
2001					
Honolulu International	327,006	186,000	37,676	86,283	17,047
Kahului	160,324	55,937	69,635	31,816	2,936
Kona International	107,793	27,183	10,926	55,094	14,590
Lihue	103,655	30,593	55,586	12,230	5,246
Hilo International	96,238	19,450	42,426	25,077	9,285
Molokai	43,806	1,138	26,890	12,532	3,246
Kalaeloa	183,600	-	264	159,631	23,705

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2001*.

**Table 18.32-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2001**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu Inter- national Airport	Hilo Inter- national Airport 1/	Kona International Airport 2/	Kahului Airport	Lihue Airport	Molokai Airport
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
2000	345,771	115,546	98,052	174,855	113,850	44,691
2001	327,006	96,238	107,793	160,324	103,655	43,806

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; *Airport Activity Statistics Calendar Year 2001*.

Table 18.33-- 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 18.34-- 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 18.35-- 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. 31	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 18.36-- SELECTED STATISTICS FOR ALOHA AND HAWAIIAN AIRLINES: 1999 AND 2000

Subject	Aloha Airlines		Hawaiian Airlines	
	1999	2000	1999	2000
Number of aircraft	21	21	27	28
Employees, full-time equivalent	1,995	2,216	2,766	3,115
Aircraft departures	76,508	79,143	60,815	64,270
Passengers (1,000)	5,077	5,177	5,410	5,887
Revenue passenger miles (million)	702	933	4,021	4,196
Passenger revenues (million dollars)	193	242	400	475
Cargo revenues (million dollars)	29	35	21	6
Operating revenues (million dollars)	230	283	489	607
Operating profit/loss (million dollars)	(4)	(6)	(40)	(14)
Net profit/loss (million dollars)	(2)	(4)	(29)	(19)

Source: Air Transport Association, annual report <<http://www.air-transport.org/public/industry>>.

Table 18.37-- HAWAII LOCATIONS AMONG THE TOP 30 DOMESTIC AIRLINE MARKETS: 1998 TO 2000

[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
2000		
8	Honolulu - Kahului	2,607
16	Honolulu - Lihue	1,733
24	Honolulu - Kona	1,466

Source: Air Transport Association, annual report <<http://www.air-transport.org/public/industry>>.

**Table 18.38-- 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 18.39-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2000

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	2/ 7,959,325	7,981,640	179,881	160,251	29,740	55,198
Honolulu	2/ 6,642,705	6,553,097	165,247	151,299	28,773	55,166
Kahului	965,586	1,009,205	7,390	6,688	641	32
Kona 3/	254,670	316,211	7,244	2,180	326	-
Lihue	96,364	103,127	-	84	-	-
Hilo	-	-	-	-	-	-
INTERISLAND						
Total	10,378,775	10,378,775	71,190	71,190	30,384	30,384
Honolulu	4,629,187	4,795,326	46,543	26,118	20,158	3,538
Kahului	2,146,703	2,080,900	6,147	17,872	2,730	7,607
Kona 3/	1,194,754	1,076,462	888	4,911	1,213	4,911
Lihue	1,345,787	1,338,243	4,827	10,373	4,827	10,457
Hilo	783,254	805,473	11,909	9,896	1,169	2,547
Upolu	-	-	-	-	-	-
Waimea-Kohala	2,283	2,322	5	15	8	733
Hana	3,779	3,533	25	10	-	-
Kapalua	61,695	60,966	273	316	273	316
Molokai	126,810	131,165	485	847	5	171
Kalaupapa	3,110	2,981	12	190	-	5
Lanai	81,409	81,383	76	642	1	99
Dillingham (USA)	-	-	-	-	-	-
Princeville 4/	4	21	-	-	-	-

1/ Revenue and non-revenue, excluding Military Airlift Command (MAC).

2/ Excludes overseas passengers in transit (407,359, passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2001*.

Table 18.40-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2001

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	2/ 7,263,415	7,270,532	121,478	102,294	25,340	51,291
Honolulu	2/ 5,781,553	5,691,752	107,781	94,939	23,331	51,147
Kahului	1,067,849	1,079,015	7,919	5,511	1,133	136
Kona 3/	275,062	356,118	5,778	1,785	876	8
Lihue	138,951	143,485	-	59	-	-
Hilo	-	162	-	-	-	-
INTERISLAND						
Total	9,169,182	9,169,182	75,037	75,037	21,433	21,433
Honolulu	4,498,754	3,904,023	48,099	25,121	16,306	5,115
Kahului	1,449,602	2,132,627	6,135	17,321	1,977	7,176
Kona 3/	1,054,349	954,789	4,223	9,754	948	4,077
Lihue	1,200,676	1,195,805	3,490	9,995	975	2,270
Hilo	733,107	747,329	12,187	10,907	1,126	2,415
Upolu	-	-	-	-	-	-
Waimea-Kohala	1,242	1,230	-	1	69	278
Hana	2,933	2,781	51	16	-	-
Kapalua	47,609	47,781	278	304	-	-
Molokai	106,898	108,740	486	836	22	62
Kalaupapa	1,295	1,252	15	170	1	3
Lanai	72,714	72,822	73	612	9	37
Dillingham (USA)	-	-	-	-	-	-
Princeville 4/	3	3	-	-	-	-

1/ Revenue and non-revenue, excluding Military Airlift Command (MAC).

2/ Excludes overseas passengers in transit (275,853 passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2001*.

Table 18.41-- 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 18.42-- NON-STOP FLIGHTS TO DEPART HONOLULU INTERNATIONAL AIRPORT, BY DESTINATION: JULY 2001

[Transpacific flights to depart from Honolulu during a one-week period, including scheduled and chartered flights]

Destination	Flights during week
Transpacific	541
U.S.	332
West	258
Anchorage	2
Las Vegas	9
Los Angeles	113
Oakland	7
Orange County	7
Phoenix	2
Portland	7
San Diego	7
San Francisco	71
San Jose	7
Seattle	26
East	74
Atlanta	7
Chicago	9
Dallas	15
Houston	12
Minneapolis	14
Newark	7
New York	2
St. Louis	8
Canada	17
Toronto	6
Vancouver	11

Continued on next page.

Table 18.42-- NON-STOP FLIGHTS TO DEPART HONOLULU INTERNATIONAL AIRPORT, BY DESTINATION: JULY 2001 -- Con.

Destination	Flights during week
Japan	135
Fukuoka	7
Hiroshima	2
Nagoya	21
Niigata	1
Osaka	28
Sapporo	7
Sendai	6
Tokyo-Haneda	5
Tokyo-Narita	58
Korea	7
Seoul	7
Australia / New Zealand	19
Auckland	4
Sydney	15
Other	31
Apia	2
Christmas Island	1
Guam	12
Johnston Island	2
Manila	3
Marshall Islands	1
Midway Islands	1
Nadi	3
Pago Pago	3
Papeete	2
Tongatapu	1

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.43-- 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 18.44-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY HAWAIIAN AIRLINES: 1997 TO 2001

[As of July 1. Prior to May 21, 1997, fares were identical between Honolulu and each of the Neighbor Islands]

Category	1997 1/		1998	1999	2000	2001
	Zone 1	Zone 2				
Regular fare	78	80	88	94.75	94.50	95.25
Kamaaina fare: 2/						
Monday - Thursday	45	47	3/ 55	61.75	61.50	65.25
Friday - Sunday	47	49	3/ 57	63.75	63.50	68.25

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 18.45-- 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 18.46-- STATE COMMERCIAL HARBORS: 2001

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	87	1,223
Molokai:							
Kaunakakai	23	23	1,500	600	691	7.4	129
Lanai:							
Kaunapala	60	20-60	1/ (NA)	1/ (NA)	400	-	100
Oahu:							
Honolulu Main	} 45	40	{ 3,300	1,520	} 29,347	1,303	9,209
Kapalama							
Barbers Point	42	38	2,100	1,800	2/ 2,190	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

NA Not available.

1/ As defined by the federal project limits.

2/ Revised.

Source: Hawaii State Department of Transportation, Harbors Division, unpublished data.

Table 18.47-- HARBOR DEPTHS: 2000

[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, *2000 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

**Table 18.48-- SMALL CRAFT MOORING FACILITIES,
BY ISLANDS: DECEMBER 31, 2001**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,716	1,488	407	332	501	325
Hawaii	324	308	74	73	74	73
Maui	133	105	125	110	141	102
Oahu	1,143	966	197	142	174	144
Kauai	116	109	11	7	112	6

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.49-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLANDS:
2001**

[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 18.50-- UNDOCUMENTED STATE-REGISTERED VESSELS:
DECEMBER 31, 2001**

Subject	Number	Subject	Number
Certificates outstanding		Type of vessel:	
Length:		Cabin motorboat	2,454
Under 16 feet	5,370	Open motorboat	5,334
16 to less than 26 feet	7,248	Runabout	
26 to less than 40 feet	1,483	Sail/inboard }	1,136
40 to 65 feet	166	Sail/outboard }	
Over 65 feet	6	Sail only	616
Hull material:		Motor vessel over 65 feet	2
Wood	681	Thrill craft under 16 feet	1,027
Fiberglass	12,122	Uses:	
Metal	499	Pleasure	12,777
Inflatable	787	Commercial fishing	407
Other	184	Charter fishing	15
Propulsion:		Commercial passenger	227
Inboard	4,210	Other commercial	138
Outboard	4,786	Livery	337
Inboard/outboard	2,107	Dealer or manufacturer	46
Sail/inboard	594	Youth group	67
Sail/outboard	551	Government	256
Sail only	589	Other	32
Manual	308	Island where vessel is kept:	
Waterjet	1,080	Hawaii	2,328
Other	48	Kauai	1,647
Type of storage:		Lanai	78
Moored on water	3,989	Maui	1,500
Moored on land	10,306	Molokai	199
		Oahu	8,543

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration* (annual).

**Table 18.51-- DOCUMENTED AND NUMBERED VESSELS REGISTERED IN
HAWAII: 1995 TO 2001**

Category	1995	1996	1997	1998	1999	2000	2001
Documented 1/ Numbered 2/	(NA) 14,470	(NA) 15,177	(NA) 15,138	(NA) 15,138	(NA) 15,481	(NA) 14,874	(NA) 14,273

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 18.52-- BOATING ACCIDENTS: 1991 TO 2001

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured, not fatally		
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
2001	19	3	3	5	18	46.0

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 18.53-- VESSEL ARRIVALS, BY DRAFT: 1999 AND 2000

[Excludes domestic fishing craft]

Harbor	1999			2000		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	934	788	35	900	846	54
Kawaihae	639	623	16	820	812	2
Kahului	1,442	1,160	282	1,453	1,198	255
Kaunakakai	1/ 771	1/ 771	-	1/ 572	1/ 572	-
Kalaupapa	20	20	-	3	3	-
Honolulu	7,666	6,003	1,663	7,430	6,352	1,078
Barbers Point	1,922	1,759	163	1,909	1,808	101
Nawiliwili	647	601	46	672	621	51
Port Allen	1,040	1,040	-	30	30	-

1/ 21 feet and less.

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2000 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

Table 18.54-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1984 TO 2001

[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	1/ 7,561,828	2,215	1/ 1,872,440
2001	1,744	7,768,135	2,280	1,862,353

1/ Revised.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.55-- OVERSEAS AND INTERISLAND PASSENGER ARRIVALS
AND DEPARTURES, FOR HONOLULU HARBOR: 1996 TO 2001**

[Fiscal years ended June 30]

Type of passenger	1996	1997	1998	1999	2000	2001
Overseas:						
In	14,851	18,262	25,570	45,494	31,767	48,429
Out	16,128	17,527	28,932	44,389	31,845	46,922
Interisland:						
In	44,982	46,825	43,522	47,950	52,570	47,870
Out	45,159	40,558	43,754	47,782	52,883	71,816

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.56-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1990 TO 2000**

[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
2000	1,651	1,310	3,477	15,797	7,141	1,581

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2000 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

Table 18.57-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC, FOR SPECIFIED HARBORS: 2000

[In thousands of short tons]

Category	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
All freight traffic	1,651	1,310	3,477	15,797	7,141	1,581
Foreign						
Imports	-	-	-	4,167	3,480	-
Exports	-	-	-	582	177	-
Canadian						
Imports	-	-	-	105	18	-
Exports	-	-	-	-	-	-
Domestic, total						
Coastwise	1,651	1,310	3,477	10,942	3,467	1,581
Receipts	1,228	842	2,185	5,792	2,067	917
Shipments	423	468	1,291	5,085	1,278	664
Internal & intraport	-	-	-	66	121	-

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2000 Waterborne Commerce of the United States*, Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

**Table 18.58-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2000**

[In thousands of short tons]

Port and commodity	Total	Receipts 1/	Shipments 2/
Hilo	1,651	1,228	423
Petroleum and petroleum products	441	441	-
Primary manufactured goods	729	435	293
Food and farm products	147	102	45
Manufactured equipment, machinery and products	256	190	66
Kawaihae	1,310	842	468
Primary manufactured goods	896	537	359
Food and farm products	90	81	9
Manufactured equipment, machinery and products	246	174	72
Kahului	3,477	2,185	1,291
Petroleum and petroleum products	541	541	-
Primary manufactured goods	1,687	980	707
Food and farm products	501	165	336
Manufactured equipment, machinery and products	504	333	171
Honolulu	15,797	10,064	5,733
Petroleum and petroleum products	4,798	4,041	758
Lumber	328	177	151
Primary manufactured goods	4,696	2,214	2,482
Food and farm products	1,793	1,048	745
Manufactured equipment, machinery and products			
Vehicles and parts	3,231	2,009	1,222
Barbers Point	7,141	5,565	1,576
Petroleum and petroleum products	6,537	5,023	1,514
Cement and concrete	245	184	62
Nawiliwili	1,581	917	664
Primary manufactured goods	912	514	397
Food and farm products	260	85	175
Manufactured equipment, machinery and products	280	192	88
Kaunakakai	159	(NA)	(NA)
Port Allen	1	(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, 2000 *Waterborne Commerce of the United States*, Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

**Table 18.59-- 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 18.60-- 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 17 of the *Statistical Abstract of the United States: 2001*.

**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

NA Not Available.

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
	dollars	50,651	162,460	122,808	159,287
Crops, including nursery and greenhouse crops	\$1,000	129,018	103,477	52,832	116,084
Livestock, poultry, and their products	\$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 2000**

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
2000	5,500	1,440	3,100	1,000	7,800

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 Hawaii 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 2000

[\$1,000]

Year	All crops and livestock 1/ 2/	Crops				Livestock 1/
		All crops 2/	Sugar (unprocessed cane)	Pine-apples (fresh equiv.)	Other crops 2/ 3/	
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	488,159	420,360	85,500	91,721	243,139	67,799
1998	493,442	420,734	87,400	92,776	240,558	72,708
1999	512,992	443,111	86,800	101,448	254,863	69,881
2000	499,239	430,961	62,600	101,530	266,831	68,278

1/ 1999 Total livestock sales figures have been revised from previous year databook table.

2/ 1997 Total crops sales figures have been revised from previous year databook table.

3/ 1999 Total crops sales figures have been revised from previous year databook table.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii 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: 1990, 1998, 1999, AND 2000

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:					
1990	4,600	1,710	2,500	1,000	9,600
1998	5,500	1,440	2,700	1,200	7,400
1999	5,500	1,440	3,000	1,200	7,600
2000	5,500	1,440	3,100	1,000	7,800
Hawaii County:					
1990	2,650	1,005	1,550	600	3,500
1998	3,300	870	1,750	650	2,550
1999	3,300	870	1,850	600	2,400
2000	3,300	870	1,800	550	2,700
Maui County:					
1990	600	355	250	150	2,500
1998	800	290	350	150	1,950
1999	800	290	450	200	2,200
2000	800	290	500	150	2,000
Oahu:					
1990	950	125	450	250	2,450
1998	900	80	450	250	2,100
1999	900	80	500	300	2,100
2000	900	80	500	200	2,200
Kauai County:					
1990	400	225	200	50	1,150
1998	500	200	200	100	800
1999	500	200	250	100	900
2000	500	200	300	50	950

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 Hawaii 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: 1990, 1998, 1999 AND 2000**

[\$1,000]

County or island and year	All crops and livestock 1/	Crops				Livestock 1/
		All crops 1/	Sugar (unpro- cessed cane)	Pine- apples 2/ (fresh equiv.)	Other crops 2/	
State total:						
1990	588,844	500,400	213,800	99,255	187,345	88,444
1998	493,442	420,734	87,400	92,776	240,558	72,708
1999	512,992	443,111	86,800	101,448	254,863	69,881
2000	499,239	430,961	62,600	101,530	266,831	68,278
Hawaii County:						
1990	197,997	168,580	55,000	(Z)	113,580	29,417
1998	142,522	121,676	-	(Z)	121,676	20,846
1999	144,470	121,939	-	(Z)	121,939	22,531
2000	154,454	128,379	-	(Z)	128,379	26,075
Maui County:						
1990	144,488	135,654	69,600	36,975	29,079	8,834
1998	135,373	124,816	58,700	28,413	37,703	10,557
1999	131,265	125,375	60,200	28,325	36,850	5,890
2000	116,998	110,603	43,900	29,445	37,258	6,395
Oahu:						
1990	181,083	135,899	36,800	62,280	36,819	45,184
1998	160,819	124,630	-	64,363	60,267	36,189
1999	179,299	142,407	-	73,123	69,284	36,917
2000	181,494	149,538	-	72,085	77,453	31,956
Kauai County:						
1990	65,276	60,267	52,400	(Z)	7,867	5,009
1998	54,728	49,612	28,700	(Z)	20,912	5,116
1999	57,933	53,390	26,600	(Z)	26,790	4,543
2000	46,293	42,441	18,700	(Z)	23,741	3,852

Z Less than \$50,000.

1/ 1999 data have been revised from previous year databook table.

2/ County data may fail to add exactly to State total.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii 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:
1990, 1998, 1999, AND 2000**

Subject	1990	1998	1999	2000
Acreage in crop (1,000 acres):				
Sugarcane	162.0	67.6	67.0	60.0
Pineapples (land used for pineapple)	30.9	21.0	21.0	20.7
Vegetables and melons (harvested acreage)	5.3	6.6	8.2	6.4
Fruits, excluding pineapples 1/	7.0	7.6	8.0	7.1
Coffee	5.3	7.4	7.7	7.9
Macadamia nuts	22.6	20.2	19.9	18.4
All other crops	4.6	15.9	16.2	15.9
Number of crop farms:				
Sugar	55	4	4	3
Pineapples	10	15	15	15
Vegetables and melons	485	880	1,020	580
Fruits (excluding pineapples)	735	1,515	1,373	1,254
Coffee	620	610	650	670
Macadamia nuts 1/	690	800	750	650
Taro	140	180	190	185
Flowers and nursery products 1/	710	745	765	755
Volume of crop marketings:				
Sugar, unprocessed cane (1,000 tons)	6,538	(2/)	(2/)	(2/)
Pineapples, fresh equivalent (1,000 tons)	575	(2/)	(2/)	(2/)
Vegetables and melons (1,000 lb.)	84,920	(2/)	(2/)	(2/)
Fruits, excluding pineapples (1,000 lb.)	105,310	(2/)	(2/)	(2/)
Coffee, parchment (1,000 lb.)	2,700	(2/)	(2/)	(2/)
Macadamia nuts, in shell (1,000 lb.)	50,000	(2/)	(2/)	(2/)
Taro (1,000 lb.)	5,800	(2/)	(2/)	(2/)
Value of crop sales (\$1,000):				
Sugar (unprocessed cane)	213,800	87,400	86,800	62,600
Pineapples (fresh equivalent)	99,255	92,776	101,448	101,530
Vegetables and melons	35,805	51,149	56,438	59,761
Fruits (excluding pineapples) 1/	23,779	24,530	28,525	31,364
Coffee (parchment)	7,020	24,700	21,000	23,055
Macadamia nuts (in shell)	41,000	37,375	37,855	29,500
Taro	2,262	3,180	3,604	3,710
Seed Crops 1/ 3/	(NA)	25,300	30,500	35,400
Flowers and nursery products 1/	70,347	73,207	75,725	83,380

NA Not Available

1/ 1999 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 Hawaii 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: 2000

Subject	Hawaii County	Maui County	Oahu	Kauai County
Acreage in crop (1,000 acres):				
Sugarcane	-	36.9	-	23.1
Pineapples (land used for pineapple)	(1/)	11.6	9.1	(1/)
Vegetables and melons (harvested acreage)	1.8	1.3	3.1	.2
Fruits, excluding pineapples	4.1	0.3	1.7	1.0
Coffee	3.3	(D)	(D)	(D)
Macadamia nuts	(D)	(D)	(D)	(D)
All other crops	1.9	1.9	11.0	1.1
Number of crop farms:				
Sugar	-	1	-	2
Pineapples	5	5	2	3
Vegetables and melons	250	120	160	50
Fruits (excluding pineapples)	705	231	162	156
Coffee	650	(D)	(D)	(D)
Macadamia nuts	(D)	(D)	(D)	(D)
Taro	85	15	15	70
Flowers and nursery products	365	140	215	35
Value of crop sales (\$1,000):				
Sugar (unprocessed cane)	-	43,900	-	18,700
Pineapples (fresh equivalent)	(2/)	29,445	72,085	(2/)
Vegetables, ginger root, herbs, and melons	17,910	9,569	30,836	1,446
Fruits (excluding pineapples)	17,522	1,102	8,985	3,755
Coffee (parchment)	15,200	(D)	(D)	(D)
Macadamia nuts (in shell)	(D)	(D)	(D)	(D)
Taro	506	(D)	(D)	2,520
Seed crops	(D)	(D)	(D)	(D)
Flowers and nursery products	47,811	9,947	24,161	1,461

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 Hawaii Agriculture* (annual); and <http://www.nass.usda.gov/hi/stats/t_of_c.htm>.

Table 19.09-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 2000

[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 (2000-01)	6,800	1.3	8,700	265.0	23,055
Fresh herbs	...	...	2,900	...	5,380
Ginger roots	270	50.0	13,500	66.0	8,910
Macadamia nuts (2000-01)	18,400	2.8	56,000	59.0	29,500
Seed crops (2000-01)	2,750	...	4,450	...	35,400
Fruits:					
Bananas	1,550	18.7	29,000	36.0	10,440
Guavas	680	...	15,900	12.9	2,051
Papayas	1,650	33.0	54,500	29.4	16,007
Vegetables:					
Beans, Snap	210	5.7	1,200	91.0	1,092
Cabbage, Chinese	320	22.5	7,200	21.0	1,512
Cabbage, head	540	27.0	14,600	19.0	2,774
Corn, sweet	440	5.5	2,400	55.0	1,320
Cucumbers	400	14.3	5,700	44.0	2,508
Onions, dry	340	12.6	4,300	71.0	3,053
Onions, green	150	10.0	1,500	86.0	1,290
Peppers, green	200	14.0	2,800	55.0	1,540
Potatoes, sweet	260	9.6	2,500	60.0	1,500
Squash, Italian	180	12.2	2,200	47.0	1,033
Taro	1/ 470	...	7,000	53.0	3,710
Tomatoes	500	33.0	16,500	52.0	8,580
Watercress	1/ 45	...	970	110.0	1,067
Watermelons	560	22.5	12,600	25.0	3,150

1/ Acreage in crop.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii 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 2001**

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	-	-
2001	50,410	50,410	-	-

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-- LIVESTOCK INVENTORY, 1984 TO 2000, AND BY
GEOGRAPHIC AREAS, 2000**

[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
2000	164	8	26	722	7
GEOGRAPHIC AREAS: 2000					
Hawaii County	114.4	(NA)	4.0	(D)	(NA)
Maui County	26.3	(NA)	5.2	(D)	(NA)
Oahu	12.8	(NA)	15.0	570	(NA)
Kauai County	10.5	(NA)	1.8	(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 Hawaii Agriculture* (annual);
and <http://www.nass.usda.gov/hi/stats/t_of_c.htm>.

Table 19.12-- NUMBER OF LIVESTOCK OPERATIONS, VOLUME OF LIVESTOCK MARKETINGS, AND VALUE OF LIVESTOCK SALES: 1990, 1998, 1999, AND 2000

Subject	1990	1998	1999	2000
Number of livestock operations, Dec. 31:				
Cattle 1/ 2/	900	830	800	800
Hogs	500	250	230	230
Milk	80	50	50	50
Eggs	55	55	55	55
Honey	12	29	28	33
Volume of livestock marketings:				
Beef (dressed weight; 1,000 lb.) 3/	29,071	(4/)	(4/)	(4/)
Pork (dressed weight; 1,000 lb.)	6,850	(4/)	(4/)	(4/)
Milk (million lb.)	148.6	(4/)	(4/)	(4/)
Eggs (million)	227.5	(4/)	(4/)	(4/)
Honey (1,000 lb.)	1,570	(4/)	(4/)	(4/)
Value of livestock sales (\$1,000):				
Cattle 1/ 5/	28,735	16,861	16,806	19,204
Hogs 5/	7,252	5,235	5,072	4,425
Milk	30,760	33,293	31,270	28,102
Eggs	16,115	11,220	10,803	10,636
Honey 1/	738	708	512	635

1/ 1999 data have been revised from previous year databook table.

2/ Includes beef, dairy, and dairy replacement operations.

3/ Includes slaughter cattle, but excludes calves shipped out-of-state.

4/ This data series discontinued in 1998.

5/ Excludes interfarm sales; includes out-of-state sales of slaughter cattle and feeder calves.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture* (annual); and <http://www.nass.usda.gov/hi/stats/t_of_c.htm>.

Table 19.13-- NUMBER OF LIVESTOCK OPERATIONS AND VALUE OF LIVESTOCK SALES, BY COUNTIES OR ISLANDS: 2000

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	(D)	(D)	10	(D)
Eggs	(D)	(D)	15	(D)
Value of livestock sales (\$1,000):				
Cattle 2/	14,138	3,230	556	1,280
Hogs 2/	475	935	2,637	378
Milk	(D)	(D)	19,387	(D)
Eggs	(D)	(D)	7,509	(D)

D Withheld to avoid disclosure of individual operations.

1/ Includes beef, dairy, and dairy replacement operations.

2/ Excludes interfarm sales; includes out-of-state sales of slaughter cattle and feeder calves.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture* (annual); and <http://www.nass.usda.gov/hi/stats/t_of_c.htm>.

**Table 19.14-- FLORICULTURE AND NURSERY PRODUCTS, 1994 TO 2001,
AND BY ISLANDS, 1998 TO 2001**

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:							
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	745	2,679	2,810	24,200	9	2,050	73,207
1999 1/	765	2,712	2,910	25,695	15	2,040	75,725
2000	735	2,719	3,235	25,180	7	2,060	82,684
2001	790	3,049	3,175	26,660	9	2,355	87,976
Islands, 1998:							
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: 1/							
Hawaii	355	1,568	1,970	21,450	15	1,015	42,462
Kauai	35	93	90	265	0	85	1,547
Maui/Molokai	150	498	365	620	0	475	9,851
Oahu	225	553	485	3,360	0	465	21,865
Islands, 2000:							
Hawaii	335	1,456	2,425	20,675	6	920	47,499
Kauai	50	140	70	340	1	495	1,266
Maui/Molokai	145	539	345	685	0	130	9,918
Oahu	205	584	395	3,480	0	515	24,001
Islands, 2001:							
Hawaii	360	1,621	2,265	22,010	9	1,055	51,283
Kauai	60	164	115	295	0	155	1,911
Maui/Molokai	150	592	425	730	0	565	9,866
Oahu	220	672	370	3,625	0	580	24,916

1/ Data have been revised from previous year databook table.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary* (May 22, 2002), pp. 10 and 13.

**Table 19.15-- FLORICULTURE AND NURSERY PRODUCTS, BY
COMMODITY: 2000**

[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	64	1,000 dozens	1,010	7,357
Bird of Paradise	26	1,000 dozens	101	690
Ginger, pink	46	1,000 dozens	81	542
Ginger, red	53	1,000 dozens	137	750
Heliconias	54	1,000 dozens	65	671
Proteas	25	1,000 stems	1,915	1,392
Roses	9	1,000 stems	5,144	2,057
Orchids:				
Sprays: Dendrobium	49	1,000 dozens	340	2,335
Sprays: Oncidiums	37	1,000 dozens	56	536
Potted: Dendrobiums	74	1,000 pots	1,065	6,528
Potted: Phalaenopsis	24	1,000 pots	143	1,030
Lei or individual flowers:				
Dendrobiums	26	Million blooms	19.9	615
Plumerias	12	Million blooms	21.7	538
Tuberoses	7	Million blooms	22.1	987
Vanda, Miss Joaquim	7	Million blooms	14.0	503
Foliage:				
Potted, dracaena	31	...	(NA)	6,648
Potted, palms	44	...	(NA)	8,434
Unfinished foliage stock	12	...	(NA)	702
Potted flowering plants:				
Anthuriums	28	1,000 pots	182	677
Bromeliads	18	1,000 pots	111	593
Chrysanthemums	6	1,000 pots	178	738
Poinsettias	31	1,000 pots	334	1,292
Plant rentals	37	...	(NA)	3,374
Landscape plants	98	...	(NA)	10,601

NA Not available.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary*, (May 22, 2002), pp. 3-9.

**Table 19.16-- FLORICULTURE AND NURSERY PRODUCTS, BY
COMMODITY: 2001**

[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	62	1,000 dozens	992	6,904
Bird of Paradise	28	1,000 dozens	103	695
Ginger, red	55	1,000 dozens	142	755
Heliconias	52	1,000 dozens	62	598
Proteas	26	1,000 stems	1,278	1,122
Orchids:				
Sprays: Dendrobium	49	1,000 dozens	415	2,990
Sprays: Oncidiums	35	1,000 dozens	83	813
Potted: Dendrobiums	76	1,000 pots	1,176	6,608
Potted: Phalaenopsis	24	1,000 pots	154	926
Lei or individual flowers:				
Dendrobiums	26	Million blooms	21.0	672
Plumerias	13	Million blooms	30.1	723
Tuberoses	6	Million blooms	18.8	915
Foliage:				
Potted, dracaena	32	...	(NA)	8,443
Potted, palms	45	...	(NA)	8,280
Potted flowering plants:				
Anthuriums	25	1,000 pots	177	609
Bromeliads	18	1,000 pots	139	616
Chrysanthemums	5	1,000 pots	176	737
Poinsettias	35	1,000 pots	328	1,272
Plant rentals	42	...	(NA)	3,098
Landscape plants	109	...	(NA)	12,851

NA Not available.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary*, (May 22, 2002), pp. 3-9.

Table 19.17-- OUT-OF-STATE SALES OF FLORICULTURE AND NURSERY PRODUCTS: 1997 TO 2001

[\$1,000. Based on F.O.B. island value. Includes both wholesale and retail sales]

Type	1997	1998	1999	2000	2001
Total sales	41,400	47,180	45,945	49,450	54,870
Anthuriums, cut	10,945	9,795	10,685	10,600	11,000
Dendrobiums, sprays	3,545	3,820	2,875	3,395	3,500
Foliage, potted	10,320	12,220	12,785	13,525	16,200
Heliconias	820	955	970	1,400	1,270
Dendrobiums, potted	3,510	4,360	4,120	3,850	4,930
Proteas	2,025	2,405	2,130	1,930	1,480
Other flowers, nursery products	10,235	13,625	12,380	14,750	16,490

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary*, (May 22, 2002), p. 14.

Table 19.18-- AGRICULTURAL LABOR: WORKERS ON FARMS, STATE OF HAWAII, 1993-2001

[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
2001	11,800	3,300	1,100	7,400	800	1,200	5,500

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:
1990 TO 2001**

[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
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
1993	474,861	1997	505,557	2001	499,896

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 2000

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
2000	85	(NA)	2,898	22,170

NA Not available.

Source: Hawaii State Department of Land and Natural Resources, Aquaculture Development Program (1970-1997), records and Hawaii Agricultural Statistics Services, Statistics of Hawaii Agriculture (annual) and <http://www.nass.usda.gov/hi/stats/t_of_c.htm> (1998-2000).

**Table 19.22-- AQUACULTURE OPERATIONS, ACREAGE, PRODUCTION,
AND VALUE, BY COUNTIES: 1999 AND 2000**

Subject	State total	Hawaii	Maui	Honolulu	Kauai
1999					
Number of operations	100	42	10	44	4
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)
2000					
Number of operations	85	37	9	35	4
Production (1,000 lb.)	2,898.0	1,583.0	(D)	(D)	(D)
Shellfish	1,190.0	450.0	(D)	359.0	(D)
Finfish	440.0	(D)	(D)	72.0	(D)
Algae	1,268.0	1,035.0	(D)	(D)	(D)
Value (\$1,000)	22,170.0	16,009.0	(D)	2,985.0	(D)
Shellfish	7,677.0	3,571.0	(D)	2,123.0	(D)
Finfish	2,302.0	(D)	(D)	349.0	(D)
Algae	8,447.0	7,653.0	(D)	(D)	(D)
Other 1/	3,744.0	(D)	(D)	(D)	(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 Agricultural Statistics Service, *Statistics of Hawaii Agriculture* (annual);
and <http://www.nass.usda.gov/hi/stats/t_of_c.htm>.

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: 2001*, Sections 18.

**Table 20.01-- FOREST AND NATURAL AREA ACREAGE, BY ISLANDS:
JUNE 30, 2001**

Island	Conservation district forest land		Natural areas 3/	
	Forest reserve land 1/	Private forest land 2/	Number of areas	Acres
2001				
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 have 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:
1999 TO 2001**

[Years ended June 30]

County	Number of Fires			Acres burned		
	1999	2000	2001	1999	2000	2001
State total	161	107	116	22,051	22,483	288
Hawaii	64	71	48	2,551	21,031	88
Maui	63	11	53	17,743	319	103
Honolulu	15	12	12	1,615	1,100	97
Kauai	19	13	3	142	33	1

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:
1999 TO 2001**

County	Number of Fires			Acres burned		
	1999	2000	2001	1999	2000	2001
State total	132	125	108	20,375.8	2,931.3	1,080.3
Lighting	1	1	-	20.0	2.0	-
Campfire	3	3	8	1.6	0.3	6.3
Smoking	5	13	13	83.7	9.7	16.3
Debris burning	14	22	7	290.9	241.7	17.7
Arson	25	18	13	14,173.9	74.1	117.6
Equipment	8	11	5	572.3	2,197.6	61.5
Railroads	-	-	-	-	-	-
Children	4	13	3	7.4	12.7	11.6
Miscellaneous	72	44	59	5,226.0	393.2	849.3

Source: Hawaii State Department of Land and Natural Resources, Division of Forestry and Wildlife, records.

Table 20.05-- COMMERCIAL FISHING: 1989 TO 2001

[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	3,796	26,874,045	25,845,545	54,848,585
2000 2/	3,898	26,844,548	26,064,726	60,473,528
2001	3,465	20,328,390	19,600,065	43,702,502

1/ Represents the total catches of all licensed commercial fishers. Includes both sea and pond catches.

2/ Revised from previous Data Book.

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: 2000

[Revised from previous year databook. Year ended June 30, 2000]

Species	Pounds caught	Pounds sold	Value (dollars)
Total catch	26,844,548	26,064,726	60,473,528
Sea catch, all species	26,843,099	26,063,466	60,469,474
Tunas	14,644,914	14,416,859	34,873,695
Aku (Skipjack)	1,416,271	1,336,628	1,841,859
Tombo	3,186,004	3,174,557	3,618,885
Bigeye (ahi)	6,085,372	6,063,364	20,527,141
Yellowfin (ahi)	3,929,673	3,817,472	8,776,905
Billfishes	6,230,299	6,085,416	13,665,516
Blue marlin	1,009,965	906,769	1,013,877
Shortnose spearfish	385,155	370,123	422,479
Striped marlin	701,218	687,485	1,105,305
Swordfish	4,111,018	4,100,506	11,098,050
Miscellaneous pelagic species	3,340,273	3,190,331	6,141,586
Mahimahi	1,412,383	1,325,293	2,896,623
Monchong	241,069	240,680	448,612
Ono	673,151	612,455	1,451,296
Opah	950,944	950,765	1,243,056
Deep bottom fishes	474,200	420,576	1,555,532
Ehu	25,411	23,101	101,686
Hapuupuu	12,805	12,038	43,599
Opakapaka	162,541	152,757	675,957
Uku	89,359	84,216	217,939
Ulaula (onaga)	69,589	64,027	371,043
Akule/opelu	1,476,025	1,366,139	2,123,603
Akule	1,166,840	1,083,538	1,623,155
Opelu	256,186	245,483	442,389
Jacks	35,150	26,728	58,178
Inshore fishes	278,950	261,789	552,825
Sharks	184,543	142,896	269,563
Lobsters	74,706	73,593	851,995
Spiny	33,972	32,931	479,326
Slipper	40,734	40,662	372,669
Crabs	30,925	25,945	104,965
Shrimps	16,301	7,916	53,261
Seaweeds	8,221	7,504	24,843
Miscellaneous	48,592	37,774	193,913
Pond landings, all species	1,449	1,260	4,054

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 20.07-- COMMERCIAL FISH CATCH, BY SPECIES: 2001

[Year ended June 30, 2001]

Species	Pounds caught	Pounds sold	Value (dollars)
Total catch	20,328,390	19,600,065	43,702,502
Sea catch, all species	20,318,331	19,590,011	43,685,595
Tunas	12,746,884	12,536,041	30,419,831
Aku (Skipjack)	1,515,854	1,436,181	1,813,731
Tombo	2,768,872	2,756,851	3,314,222
Bigeye (ahi)	4,213,137	4,204,405	14,610,538
Yellowfin (ahi)	4,240,026	4,133,077	10,669,880
Billfishes	2,456,521	2,309,385	4,092,496
Blue marlin	965,386	861,776	953,952
Shortnose spearfish	271,909	254,960	243,217
Striped marlin	558,116	533,610	785,609
Swordfish	632,280	631,941	2,079,360
Miscellaneous pelagic species	2,997,803	2,822,197	5,023,078
Mahimahi	1,230,321	1,147,584	2,139,220
Monchong	186,622	185,902	322,199
Ono	891,313	800,958	1,527,874
Opah	572,251	572,036	848,777
Deep bottom fishes	382,913	338,317	1,268,270
Ehu	25,097	22,748	99,427
Hapuupuu	15,038	14,379	49,775
Opakapaka	118,150	110,440	494,038
Uku	64,510	61,540	165,311
Ulaula (onaga)	59,061	55,285	326,022
Akule/opelu	1,209,303	1,110,940	1,773,745
Akule	938,871	850,226	1,307,667
Opelu	254,186	245,266	438,536
Jacks	41,310	33,999	69,173
Inshore fishes	253,693	240,166	505,506
Sharks	122,295	118,199	112,232
Lobsters	8,703	7,752	89,887
Spiny	8,589	7,645	88,876
Slipper	114	107	1,011
Crabs	18,318	14,381	51,064
Shrimps	6,436	6,395	53,266
Seaweeds	14,093	13,109	35,323
Miscellaneous	60,059	39,130	191,723
Pond landings, all species	10,059	10,054	16,908

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 2001* and records.

Table 20.08-- COMMERCIAL SEA LANDINGS, BY ISLANDS: 2000 AND 2001

[Years ended June 30]

Island	Pounds landed	Pounds sold	Value (dollars)
2000 1/			
State total	26,843,099	26,063,466	60,469,474
Hawaii	3,874,661	3,678,247	6,824,323
Maui	579,553	452,918	1,373,787
Lanai	17,956	12,921	31,461
Molokai	48,407	36,983	124,906
Oahu	21,548,334	21,215,842	50,521,281
Kauai and Niihau	774,188	666,555	1,593,717
2001			
State total	20,318,331	19,590,011	43,685,595
Hawaii	2,850,529	2,644,551	5,289,382
Maui	522,437	391,329	1,191,983
Lanai	16,447	13,452	32,803
Molokai	30,366	24,049	92,038
Oahu	16,284,439	16,013,805	35,737,305
Kauai and Niihau	614,113	502,825	1,342,085

1/ Revised from previous year Data Book.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, records.

**Table 20.09-- COMMERCIAL SEA LANDINGS, BY FISHING METHOD:
2000 AND 2001**

[Years ended June 30]

Fishing method	Pounds landed	Pounds sold	Value (dollars)
2000 1/			
All methods	26,843,099	26,063,466	60,469,474
Aku pole and line	1,019,507	1,018,649	1,417,696
Longline	17,463,802	17,400,020	43,062,089
Handline	4,128,242	3,967,835	8,309,494
Trolling	2,692,193	2,260,621	4,582,451
Net	1,276,131	1,180,840	1,759,296
Trap	147,371	138,345	919,996
All other methods	115,853	97,156	418,453
2001			
All methods	20,318,331	19,590,011	43,685,595
Aku pole and line	973,796	962,987	1,397,560
Longline	12,671,943	12,652,159	29,800,237
Handline	2,813,498	2,713,012	6,118,315
Trolling	2,640,542	2,157,024	4,396,936
Net	1,049,496	961,088	1,452,874
Trap	48,277	47,602	135,673
All other methods	120,779	96,139	384,000

1/ Revised from previous year Data Book.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii--Fiscal Years 2000-2001* and records.

**Table 20.10-- FISH POPULATIONS AROUND SELECTED SHORELINE
AREAS: YEAR ENDED JUNE 30, 2001**

Location	Species	Fish per acre	Pounds per acre
Marine Life Conservation Districts:			
Hanauma Bay, Oahu:			
Inshore	59	3,067	1,473
Offshore	87	3,166	943
Pupukea, Oahu	89	8,123	1,717
Waikiki, Oahu	42	1,230	246
Molokini Shoal, Maui	58	4,234	623
Honolua-Mokuleia Bay, Maui	37	5,190	682
Manele-Hulopoe Bays, Lanai	62	7,462	1,368
Kealakekua Bay, Hawaii	43	2,138	274
Lapakahi, Hawaii	41	2,617	118
Wailea Bay, Hawaii	41	1,976	255
Old Kona Airport, Hawaii	19	2,003	208
Artificial reefs:			
Maunalua Bay Tire Reef, Oahu	32	5,056	810
Maunalua Bay "Cee Bee 24 Barge," Oahu	45	2,821	321
Maunalua Bay "Mud Scow Barge," Oahu	39	3,906	273
Maunalua Bay "Keehi Barge," Oahu	39	5,148	525
Maunalua Bay "Landing Craft," Oahu	25	833	82
Waianae "Z-Slabs," Oahu	34	1,368	155
Waianae "Landing Craft," Oahu	27	1,098	135
Waianae "Mahi," Oahu	42	7,227	881
Keawakapu Tire Reef, Maui	(NA)	3,814	540
Fisheries Management Areas:			
Waikiki-Diamond Head, Oahu 1/	44	461	56
Waikiki-Diamond Head, Oahu 2/	66	1,304	217
Puako Bay and Pualo Reef, Hawaii	34	1,973	336
Red Hill, Hawaii	29	5,017	184
Kiholo Bay, Hawaii	36	2,091	200
Papawai Bay, Hawaii	34	4,957	449
Other areas:			
Honaunau Bay	28	1,588	167

1/ Survey taken on December 28, 2000, during the open fishing period.

2/ Survey taken on June 25, 2001, during the closed 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, 2000 to June 30, 2001*.

Table 20.11-- MOST ABUNDANT AND HEAVIEST FISH SPECIES AT SPECIFIED LOCATIONS: YEAR ENDED JUNE 30, 2001

[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	958	3	137
Yellow-eye damsel (<i>Eupomacentrus fasciolatus</i>)	2	221	(1/)	(NA)
Aholehole (<i>Kuhlia sandvicensis</i>)	3	203	9	48
Redlipped parrot (<i>Scarus rubroviolaceus</i>)	(1/)	(NA)	1	414
Clown tang (<i>Naso lituratus</i>)	10	78	2	212
Honolua-Mokuleia Bay MLCD:				
Maiii/lavender tang (<i>Acanthurus nigrofuscus</i>)	1	1,416	1	127
Saddle-back wrasse (<i>Thalassoma duperrey</i>)	2	1,325	4	54
Kole (<i>Ctenochaetus strigosus</i>)	3	647	3	92
Clown tang (<i>Naso lituratus</i>)	(1/)	(NA)	2	102
Kealakekua Bay MLCD:				
Kole (<i>Ctenochaetus strigosus</i>)	1	303	6	15
Agile damsel (<i>Chromis agilis</i>)	2	283	3	30
Blackfin damsel (<i>Chromis vanderbilti</i>)	3	277	(1/)	(NA)
Yellow tang (<i>Zebrasoma flavescens</i>)	4	277	1	34
Parrotfishes (Family Scaridae)	(1/)	(NA)	2	33

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, 2000 to June 30, 2001.*

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: 1998 TO 2000

[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	1998	1999 1/	2000 2/
QUANTITY (1,000 METRIC TONS)			
Cement:			
Masonry	3	3	3
Portland	251	254	280
Gemstones	(NA)	(NA)	(NA)
Sand and gravel (construction)	368	508	500
Stone (crushed)	5,500	5,870	6,000
VALUE (\$1,000)			
Total	84,500	86,400	91,400
Cement:			
Masonry 3/	329	298	300
Portland 3/	25,600	24,700	27,000
Gemstones	77	55	113
Sand and gravel (construction)	4,590	5,840	5,900
Stone (crushed)	53,900	55,500	58,100

NA Not available.

1/ Revised.

2/ Preliminary.

3/ For 1998 to 2000, data have been estimated.

Source: U.S. Geological Survey, Bureau of Mines, "The *Mineral Industry of Hawaii*"

<<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 20 of the *Statistical Abstract of the United States: 2001*.

**Table 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTIES:
1997 TO 2001**

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
NUMBER ISSUED					
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/ 19,074	12,443	3,254	1/ 1,083	2,294
2001	2/ 19,466	2/ 12,929	3,288	1,237	2,012
ESTIMATED VALUE (\$1,000)					
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/ 1,513,073	694,223	321,704	1/ 141,786	355,360
2001	2/ 1,585,739	2/ 682,660	380,249	210,094	312,737

1/ Kauai County data for November consisted of residential data only. Also, Kauai County total for additions and alterations was revised.

2/ Revised as of July 17, 2002.

Source: Compiled monthly from county building departments by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.02-- VALUE OF BUILDING PERMITS, BY TYPE, BY COUNTIES:
1999 TO 2001**

[In thousands of dollars]

Category	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
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/ 1,513,073	694,223	321,704	1/ 141,786	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	1/ 466,712	319,423	35,855	1/ 27,541	83,894
2001					
Total	2/ 1,585,739	2/ 682,660	380,249	3/ 210,094	312,737
Residential	2/ 882,444	2/ 308,622	253,021	3/ 134,253	186,548
Hotel	73,267	-	6,600	32,667	34,000
Non-residential	255,841	106,652	78,080	18,491	52,619
Additions and alterations	374,186	267,385	42,548	24,682	39,570

1/ Kauai County data for November consisted of residential data only. Also, Kauai County value for additions and alterations was revised.

2/ Revised as of July 17, 2002.

3/ Includes time share units valued at about \$29.6 million.

Source: Compiled monthly from county building departments by the Hawaii State Department of Business, Economic Development & Tourism.

Table 21.03-- ACCEPTED VALUE PER HOUSING UNIT, BY TYPE OF STRUCTURE, FOR BUILDING PERMITS ISSUED BY THE CITY AND COUNTY OF HONOLULU: 1996 TO 2001

[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	1996	1997	1998	1999	2000	2001
One-family	149,807	151,064	151,049	157,762	160,503	169,121
Two-family	139,824	141,816	152,019	140,481	1/ 84,598	1/ 128,273
Multi-family	100,344	123,611	75,343	79,813	1/ 64,729	1/ 98,081

1/ Not comparable to data shown for years prior to 2000 due to changes in the statistical reporting system.

Source: City and County of Honolulu Department of Planning and Permitting, *Monthly Bulletin - Building Permits, Building Permits Issued from January 1, 2001 to December 31, 2001*
 <<http://www.honoluludpp.org/daily/calendaryear/yearly01.pdf>> accessed April 12, 2002; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 21.04-- GENERAL EXCISE TAX BASE FOR CONTRACTING:
1991 TO 2001**

[In thousands of dollars. Data are on a cash basis accounting]

Year 1/	Amount	Year 1/	Amount	Year 1/	Amount
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	2001	3,766,404
1994	3,322,339	1998	3,015,977		

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), Tables 1, 2 and 3
<<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 <<http://www.census.gov/prod/ec97/97c23-hi.pdf>>.

**Table 21.07-- PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION
AUTHORIZED BY PERMITS, BY COUNTIES: 1996 TO 2001**

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai 1/	Maui
New 1-family dwellings:						
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
2001	(NA)	1,573	(NA)	1,129	320	(NA)
New duplex units:						
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
2001	(NA)	78	(NA)	22	20	(NA)
New apartments:						
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
2001	(NA)	275	(NA)	236	2/ 144	(NA)
Units demolished: 3/						
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
2001	(NA)	351	(NA)	40	13	(NA)

NA Not available.

1/ Kauai County figures for 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/ Includes 118 time share units.

3/ 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: 1991 TO 2001

[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/
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	129.3	132.7	125.3	119.3	111.8	126.0
1998	129.0	131.4	126.5	119.4	111.4	127.4
1999	129.8	(NA)	(NA)	121.1	111.4	131.3
2000	135.2	(NA)	(NA)	126.6	(NA)	(NA)
2001	142.6	(NA)	(NA)	134.1	(NA)	(NA)

NA Not available.

1/ Wages and benefits.

Source: First Hawaiian Bank, Research Department, records; Hawaii State Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, records.

**Table 21.09-- CONDOMINIUM ASSOCIATIONS AND APARTMENTS
REGISTERED: FISCAL YEARS 1992 TO 2001**

[Biennial registration was started in June 1997]

Fiscal year	Associations registered	Apartments represented	Fiscal year	Associations registered	Apartments represented
1992	968	87,127	1997	1,277	106,052
1993	1,049	91,424	1998 1/	1,339	112,832
1994	1,114	95,827	1999	1,361	114,449
1995	1,171	101,628	2000	1,389	2/ 116,750
1996	1,249	107,580	2001	1,419	118,209

1/ 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.

2/ Revised.

Source: Hawaii Real Estate Commission, *2001 Annual Report*, p. 21 <<http://www.state.hi.us/hirec/>> accessed June 4, 2002.

Table 21.10-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE OF HAWAII: 1997 TO 2001

[Fiscal years ended June 30]

Subject	1997	1998	1999	2000	2001
Projects	201	226	211	225	210
Individual units	2,765	2,025	2,363	1,693	2,918

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: 1997 TO 2001

[Fiscal years ended June 30. 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	1997	1998	1999	2000	2001
All types	92	117	85	109	111
Residential	1/ 40	84	47	64	66
2 units or fewer	13	52	13	17	17
3 to 15 units	13	19	18	26	27
16 to 50 units	8	10	11	17	12
More than 50 units	6	3	5	4	10
Commercial and other	25	5	11	18	15
Agricultural	27	28	27	27	30

1/ Revised figures for the total and subcategories obtained from the Hawaii Real Estate Commission. Figures differ from those shown in the *2001 Annual Report*.

Source: Hawaii Real Estate Commission, *2000 Annual Report*, pp. 19 and 21
 <<http://www.state.hi.us/hirec/>> accessed June 4, 2002.

**Table 21.12-- HOUSING UNITS CONVERTED FROM RENTAL UNITS TO
CONDOMINIUM UNITS: 1997 TO 2001**

[Fiscal years ended June 30]

Subject	1997	1998	1999	2000	2001
Projects	66	54	73	55	44
Housing units	981	665	368	342	454

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: 2001

Subject	State total	Oahu	Hawaii	Kauai	Maui	Molokai
Properties	72	10	13	18	30	1
Registered units 1/	4,830	973	883	1,611	1,356	7
Operated units 2/	4,299	702	883	1,599	1,108	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, *2001 Visitor Plant Inventory*, pp. 64-65.

**Table 21.14-- NUMBER OF TAXPAYERS CLAIMING HOME EXEMPTIONS:
1996 TO 2001**

[As of January 1. Based on number of taxpayers claiming home exemptions]

Tenure and county	1996	1997	1998	1999	2000	2001
TOTAL OWNER-OCCUPIED						
State total	184,662	185,208	188,570	189,954	189,756	(NA)
Honolulu	129,542	128,489	130,823	130,959	129,506	128,836
Maui	18,449	18,903	19,166	19,537	19,951	(NA)
Hawaii	26,899	27,912	28,536	29,293	29,966	(NA)
Kauai	9,772	9,904	10,045	10,165	10,333	10,325
FEE SIMPLE						
State total	171,767	173,237	176,973	178,933	179,344	(NA)
Honolulu	118,304	118,157	120,843	121,560	120,748	120,580
Maui	17,695	18,161	18,437	18,828	19,226	(NA)
Hawaii	26,250	27,260	27,881	28,615	29,254	(NA)
Kauai	9,518	9,659	9,812	9,930	10,116	10,108
LEASEHOLD						
State total	12,895	11,971	11,597	11,021	10,412	(NA)
Honolulu	11,238	10,332	9,980	9,399	8,758	8,256
Maui	754	742	729	709	725	(NA)
Hawaii	649	652	655	678	712	(NA)
Kauai	254	245	233	235	217	217

NA Not available.

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) and

"Number and Amount of Exemption by Type and County for Fiscal Year 2001-02"

<http://www.co.honolulu.hi.us/rpa/01_ex.pdf> accessed June 19, 2002.

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-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTIES: 2000

[Data include some condominium units used or intended for use by transients]

Characteristic	State total	Hawaii	Honolulu	Kauai	Maui 1/
All housing units	460,542	62,674	315,988	25,331	56,549
Percent--					
Structure built 1990-2000	18.1	26.0	14.6	29.4	23.8
Structure built before 1940	4.7	6.7	4.4	5.3	4.1
Lacking complete plumbing	1.0	2.7	0.6	0.9	1.0
Lacking complete kitchen facilities	1.4	3.0	1.2	1.6	1.1
Percent with no telephone service 2/	2.0	3.3	1.7	2.2	2.4
Median number of rooms	4.3	4.6	4.3	4.6	3/ 4.0
All occupied units	403,240	52,985	286,450	20,183	43,622
Percent householder moved into unit--					
1999 to March 2000	20.2	19.7	20.1	17.7	22.2
Before 1980	22.6	20.1	23.8	21.7	17.8
Percent of units with occupants per room of 1.51 or more	7.8	5.7	8.2	5.4	8.2
Specified owner-occupied units	173,861	29,914	113,155	10,839	19,953
Median value (dollars)	272,700	153,700	309,000	216,100	249,900
With a mortgage	122,128	19,167	81,606	7,224	14,131
Median monthly costs (dollars)	1,571	1,133	1,653	1,375	1,572
Monthly costs were 35 percent or more of household income	38,510	5,970	24,904	2,435	5,201
Not mortgaged	51,733	10,747	31,549	3,615	5,822
Median monthly costs (dollars)	271	212	289	269	260
Specified renter-occupied units	174,458	18,382	129,907	7,735	18,434
Median gross rent (dollars)	779	645	802	739	3/ 788
Rent was 35 percent or more of household income	50,848	5,637	37,543	2,320	5,348

1/ Includes Kalawao County (172 housing units), not shown separately.

2/ Telephone service not available in the unit from which calls could be made and received. This includes cellular telephones.

3/ Maui County, not including Kalawao County. Median number of rooms for Kalawao County was 2.0. Median gross rent for Kalawao County was \$788. No median available for combined area of Maui and Kalawao County.

Source: U.S. Census Bureau, Census 2000 Summary File 3 "Table DP-4. Profile of Selected Housing Characteristics: 2000" (May 2002) <<http://www.census.gov/Press-Release/www/2002/demoprofiles.html>> accessed June 19, 2002.

**Table 21.17--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	-	-	-	-	-
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	-	-	-	-	-

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 21.18-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
1990 AND 2000**

Neighborhood Board 1/ (see maps)	1990	2000	Percent change
Oahu total 1/	281,683	315,988	12.2
1 Hawaii Kai	9,234	10,175	10.2
2 Kuliouou-Kalani Iki	5,175	6,488	25.4
3 Waialae-Kahala	4,014	3,095	-22.9
4 Kaimuki	6,383	6,632	3.9
5 Diamond Head/Kapahulu/ St. Louis Heights	8,734	8,649	-1.0
6 Palolo	4,208	4,583	8.9
7 Manoa	6,904	7,420	7.5
8 McCully/Moilili	14,046	14,098	0.4
9 Waikiki	17,198	18,370	6.8
10 Makiki/Lower Punchbowl/ Tantalus	15,328	16,368	6.8
11 Ala Moana/Kakaako	6,779	9,440	39.3
12 Nuuanu/Punchbowl	5,982	6,584	10.1
13 Downtown	5,911	7,342	24.2
14 Liliha/Kapalama	6,838	6,852	0.2
15 Kalihi-Palama	11,107	11,108	0.0
16 Kalihi Valley	4,146	4,169	0.6
17 Moanalua	3,624	3,462	-4.5
18 Aliamanu/Salt Lake/ Foster Village	12,217	12,927	5.8
19 Airport	5,996	5,627	-6.2
20 Aiea	10,867	11,044	1.6
21 Pearl City	13,899	14,812	6.6
22 Waipahu	14,202	17,897	26.0
23 Ewa	6,971	15,845	127.3
24 Waianae Coast	10,711	12,378	15.6
25 Mililani/Waipio/Melemanu	10,738	11,445	6.6
26 Wahiawa	2/ 11,260	12,115	7.6
27 North Shore	5,287	6,648	25.7
28 Koolauloa	4,422	4,473	1.2
29 Kahaluu	4,409	4,682	6.2
30 Kaneohe	12,452	11,821	-5.1
31 Kailua	2/ 13,679	15,280	11.7
32 Waimanalo	2,204	2,792	26.7
33 Mokapu	2,030	2,388	17.6
34 Makakilo/Kapolei/ Honokai Hale	4,720	4,937	4.6
35 Mililani Mauka-Launani Valley	8	4,042	50,425.0

Footnotes and source on next page.

**Table 21.18-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS:
1990 AND 2000 -- Cont.**

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries.

2/ Revised.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, Community Profiles for Neighborhood Areas <<http://honoluludpp.org/planning/demographics/cp-toc.pdf>> accessed June 13, 2002.

**Table 21.19-- HOUSING CHARACTERISTICS OF OAHU
NEIGHBORHOODS: 2000**

Neighborhood Area 1/ (see maps)	Total housing units	Occupied		Home- ownership rate	Vacancy rate	
		Owner	Renter		Home- owner	Rental
Oahu total	315,988	156,290	130,160	54.6	1.6	8.6
1 Hawaii Kai	10,175	7,669	1,997	79.3	1.0	3.7
2 Kuliouou-Kalani Iki	6,488	5,175	1,029	83.4	0.9	2.6
3 Waialae-Kahala	3,095	2,032	696	74.5	1.4	5.9
4 Kaimuki	6,632	4,193	2,169	65.9	0.8	4.7
5 Diamond Head/Kapahulu/ St. Louis Heights	8,649	4,053	3,645	52.7	3.3	8.6
6 Palolo	4,583	2,489	1,884	56.9	0.9	5.9
7 Manoa	7,420	4,224	2,827	59.9	0.8	6.3
8 McCully/Moiliili	14,098	3,596	9,074	28.4	1.5	9.2
9 Waikiki	18,370	3,819	7,578	33.5	3.0	30.3
10 Makiki/Lower Punchbowl/Tantalus	16,368	5,856	9,142	39.0	2.0	7.9
11 Ala Moana/Kakaako	9,440	2,475	5,322	31.7	8.4	8.1
12 Nuuanu/Punchbowl	6,584	3,617	2,563	58.5	0.6	7.0
13 Downtown	7,342	1,554	5,264	22.8	4.6	5.8
14 Liliha/Kapalama	6,852	3,669	2,826	56.5	1.0	6.1
15 Kalihi-Palama	11,108	2,945	7,313	28.7	1.1	7.2
16 Kalihi Valley	4,169	2,363	1,578	60.0	0.8	6.0
17 Moanalua	3,462	1,615	1,604	50.2	0.6	3.0
18 Aliamanu/Salt Lake/ Foster Village	12,927	5,687	6,045	48.5	1.3	10.1
19 Airport	5,627	87	4,914	1.7	7.4	0.6
20 Aiea	11,044	6,188	4,392	58.5	0.9	5.5
21 Pearl City	14,812	10,177	4,192	70.8	0.7	3.9
22 Waipahu	17,897	10,847	6,090	64.0	2.0	7.2
23 Ewa	15,845	9,948	4,376	69.4	2.6	5.6
24 Waianae Coast	12,378	6,101	4,453	57.8	2.9	16.7
25 Mililani/Waipio/Melemanu	11,445	8,061	2,977	73.0	1.0	5.7
26 Wahiawa	12,115	3,350	7,253	31.6	2.6	5.4
27 North Shore	6,648	2,595	3,298	44.0	1.1	5.7
28 Koolauloa	4,473	1,801	1,881	48.9	2.0	9.9
29 Kahaluu	4,682	3,154	1,322	70.5	0.7	4.8
30 Kaneohe	11,821	8,051	3,297	70.9	0.9	4.7
31 Kailua	15,280	10,308	4,320	70.5	0.7	4.7
32 Waimanalo	2,792	1,856	801	69.9	0.9	3.0
33 Mokapu	2,388	29	2,303	1.2	-	2.1

Continued on next page.

**Table 21.19-- HOUSING CHARACTERISTICS OF
OAHU NEIGHBORHOODS: 2000 -- Cont.**

Neighborhood Area 1/ (see maps)	Total housing units	Occupied		Home- ownership rate	Vacancy rate	
		Owner	Renter		Home- owner	Rental
34 Makakilo/Kapolei/ Honokai Hale	4,937	3,301	1,288	71.9	2.9	6.9
35 Mililani Mauka-Launani Valley	4,042	3,405	447	88.4	2.2	9.7

1/ Data in this table pertain to neighborhood areas whose boundaries are very close but do not match exactly to the neighborhood board boundaries. Neighborhood area boundaries for 2000 may not be the same as boundaries for 1990.

Source: City and County of Honolulu Planning and Permitting Department, Planning Division, Community Profiles for Neighborhood Areas <<http://honolulu.dpp.org/planning/demographics/cp-toc.pdf>> accessed June 13, 2002.

**Table 21.20-- VACANCY AND HOMEOWNERSHIP RATES, FOR THE STATE
AND HONOLULU MSA: 1991 TO 2001**

Year	Rental vacancy rate		Homeowner vacancy rate		Homeownership rate	
	State total	Honolulu MSA 1/	State total	Honolulu MSA 1/	State total	Honolulu MSA 1/
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
2001	8.2	8.0	0.8	0.6	55.5	55.4
Standard error	1.0	1.2	0.2	0.2	1.1	1.3
U.S. 2001	8.4	3/ 8.0	1.8	3/ 1.7	67.8	3/ 67.8

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: 2001"

<<http://www.census.gov/hhes/www/housing/hvs/annual01/ann01ind.html>> accessed June 19, 2002.

**Table 21.21-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE
FOR THE METROPOLITAN HONOLULU OFFICE MARKET,
BY SUBMARKET: 1993 TO 2001**

[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/	1993	1994	1995	1996	1997	1998	1999	2000	2001
Downtown 2/	13.9	15.4	16.4	16.1	15.2	14.2	14.1	12.2	13.5
Suburban 3/	7.8	11.1	12.1	12.9	12.5	14.5	13.7	13.8	13.9

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 21.22-- HOUSING AND COMMUNITY DEVELOPMENT
CORPORATION OF HAWAII PUBLIC HOUSING OPERATIONS:
1999 TO 2001**

[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	1999	2000	2001
Total units owned by HCDCH, June 30	6,577	6,577	1/ 6,577
Occupied	5,985	5,726	5,193
Population in units, June 30	16,445	15,724	13,784
Per occupied unit	2.70	2.74	2.65
Operating revenues of HCDCH, fiscal year: 2/ Gross (\$1,000)	23,145	22,758	23,123
Net (\$1,000)	4,197	85	2,249
Operating revenues per unit per month, fiscal year (dollars) 2/	357	351	399
Rent charged per unit per month, fiscal year (dollars) 2/	184	197	227

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 21.23-- REAL ESTATE LICENSES, ACTIVE AND INACTIVE, BY TYPE
OF LICENSE AND LOCATION: MARCH 11, 2002**

[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	9,737	4,796	Oahu	6,059	2,805
			Hawaii	1,278	520
Broker:			Maui	1,610	594
Individual	3,461	577	Kauai	723	333
Corporation or partnership	937	60	Molokai	28	3
Limited Liability Corporation/ Limited Liability Partnership	113	6	Lanai	9	4
			U.S. mainland	29	506
Salesman	5,226	4,153	Foreign	1	31

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

Table 21.24-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1991 TO 2001

[Data include single family, condominium/cooperative, vacant, multi-family, commercial/industrial, business opportunities]

Year	Number listed	Number sold	Percent sold	Average sales price (dollars)
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
2001	12,339	7,953	64.5	265,047

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.25-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, BY TYPE OF PROPERTY, FOR OAHU: 1999 TO 2001

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Mean	Median
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
2001					
Total	12,339	7,953	64.5	265,047	...
Single family	5,183	3,406	65.7	375,857	299,900
Condominium/cooperative	6,179	4,261	69.0	168,013	133,000
Vacant land	503	181	36.0	315,921	214,000
Multi-family	208	68	32.7	552,794	445,000
Commercial/industrial	149	24	16.1	669,533	515,000
Business opportunities	117	13	11.1	77,308	65,000

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

**Table 21.26-- MULTIPLE LISTING SERVICE SINGLE-FAMILY HOUSES SOLD,
BY SELLING PRICE RANGE, FOR OAHU: 1999 TO 2001**

Selling price range	1999	2000	2001
All properties	2,853	3,181	3,406
On leased land	62	71	65
Percent	2.2	2.2	1.9
Less than \$100,000	54	79	89
\$100,000 to \$149,999	138	155	166
\$150,000 to \$199,999	347	410	395
\$200,000 to \$249,999	478	516	557
\$250,000 to \$299,999	476	458	499
\$300,000 to \$349,999	351	377	414
\$350,000 to \$399,999	276	305	367
\$400,000 to \$449,999	163	200	220
\$450,000 to \$499,999	145	142	155
\$500,000 to \$549,999	83	83	100
\$550,000 to \$599,999	48	62	72
\$600,000 to \$649,999	51	62	44
\$650,000 to \$699,999	47	41	69
\$700,000 to \$799,999	64	72	73
\$800,000 to \$899,999	37	46	58
\$900,000 to \$999,999	16	36	21
\$1.0 to \$1.9 million	49	90	79
\$2.0 to \$2.9 million	17	24	13
\$3.0 to \$3.9 million	5	11	9
\$4.0 to \$4.9 million	4	2	5
\$5.0 million or more	4	10	1
Median value (dollars)	290,000	295,000	299,900
Mean value (dollars)	377,497	406,331	375,857

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

**Table 21.27-- MULTIPLE LISTING SERVICE COOPERATIVE AND
CONDOMINIUM UNITS SOLD, BY SELLING PRICE RANGE, FOR OAHU:
1999 TO 2001**

Selling price range	1999	2000	2001		
			Total	Fee simple	Leasehold
All properties	3,298	3,926	4,261	3,063	1,198
Less than \$50,000	294	461	362	175	187
\$50,000 to \$74,999	354	432	459	259	200
\$75,000 to \$99,999	513	607	631	471	160
\$100,000 to \$124,999	449	443	487	345	142
\$125,000 to \$149,999	394	402	464	328	136
\$150,000 to \$174,999	292	298	336	249	87
\$175,000 to \$199,999	245	256	339	270	69
\$200,000 to \$224,999	196	206	271	209	62
\$225,000 to \$249,999	118	184	222	184	38
\$250,000 to \$274,999	79	97	149	122	27
\$275,000 to \$299,999	82	101	100	85	15
\$300,000 to \$349,999	90	123	140	126	14
\$350,000 to \$399,999	53	97	81	62	19
\$400,000 to \$449,999	37	51	69	51	18
\$450,000 to \$499,999	22	34	29	26	3
\$500,000 to \$599,999	29	47	38	28	10
\$600,000 to \$699,999	21	28	27	25	2
\$700,000 to \$799,999	7	10	15	12	3
\$800,000 to \$899,999	13	16	16	16	-
\$900,000 to \$999,999	3	14	16	14	2
\$1,000,000 or more	7	19	10	6	4
Median value (dollars)	125,000	125,000	133,000	145,000	109,900
Mean value (dollars)	157,418	165,674	168,013	179,928	137,397

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.28-- 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 21.29-- 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 21.30-- NUMBER OF DEEDS FILED AND RECORDED AND APPROXIMATE VALUE OF LAND CONVEYED: 1997 TO 2001

[For calendar years. Data include leases, agreement of sales assignments, subleases, timeshares, etc., as well as deeds]

Subject	1997	1998	1999	2000	2001
Number of deeds filed and recorded	61,518	70,057	76,331	80,001	83,229
Approximate value of land conveyed (\$1,000)	6,298,003	7,440,642	8,311,047	9,689,367	10,167,267

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

**Table 21.31-- APPROXIMATE VALUE OF LAND TRANSFERS,
BY COUNTIES: 1999 TO 2001**

[In dollars. For calendar years. Totals include leases, agreement of sales assignments,
subleases, etc., as well as deeds]

County	1999	2000	2001
State total	8,311,046,800	9,689,367,480	10,167,267,210
Honolulu	4,836,187,300	5,138,547,380	5,447,027,600
Maui	1,683,687,900	2,316,618,400	2,131,622,500
Hawaii	1,201,547,300	1,548,501,300	1,786,101,410
Kauai	589,624,300	685,700,400	802,515,700

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

**Table 21.32-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:
1996 TO 2001**

Year	State total	First Circuit 1/	Second Circuit 2/	Third Circuit 3/	Fifth Circuit 4/
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
2001	1,913	1,390	197	246	80

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 21.33-- ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES:
DECEMBER 31, 2001**

Facility	State total	Oahu	Hawaii		Maui	Molo-kai	Lanai	Kauai
			Hilo	Kona				
Total	6,108	4,848	179	238	587	4	21	231
Elevators	5,047	3,977	130	217	505	1	20	197
Hydro (Under 9 stories)	1,598	1,059	69	112	220	1	9	128
Roped:								
Under 9 stories	1,606	1,167	50	105	219	-	11	54
9 to 18 stories	1,137	1,045	11	-	66	-	-	15
19 to 28 stories	404	404	-	-	-	-	-	-
29 to 38 stories	214	214	-	-	-	-	-	-
39 stories or more	88	88	-	-	-	-	-	-
Escalators & moving walks/ speed ramps	421	396	6	-	17	-	-	2
Inclined lifts	11	4	3	1	-	-	1	2
Private industrial elevators	28	2	2	3	13	-	-	8
Manlifts	8	8	-	-	-	-	-	-
Handicap/chairlifts	259	183	21	15	23	3	-	14
Dumbwaiters	334	278	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 21.34-- TALLEST STRUCTURES, BY ISLANDS: MARCH 2002

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 Manufacturing*, 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 21 of the *Statistical Abstract of the United States: 2001*.

**Table 22.01-- STATISTICAL SUMMARY OF MANUFACTURES:
1995 TO 2000**

Subject	1995	1996	1997	1998	1999	2000
All employees:						
Number (1,000)	17.3	17.1	15.1	15.4	1/ 15.2	14.6
Payroll (million dollars)	2/ 508.1	509.4	404.6	395.5	409.4	420.0
Production workers:						
Number (1,000)	10.7	10.1	9.9	10.4	1/ 10.0	9.6
Hours (millions)	21.6	19.7	18.3	19.2	1/ 18.0	18.0
Wages (million dollars)	260.1	250.6	231.3	228.0	1/ 217.2	233.7
Value added by manufacture (million dollars)	1,485.6	1,608.5	1,261.3	1,141.2	1/ 1,236.1	1,352.6
Cost of materials 2/ (million dollars)	1,909.2	1,546.7	1,939.9	1,669.0	1/ 1,810.6	2,444.1
Value of shipments 2/ (million dollars)	3,435.5	3,145.5	3,189.9	2,833.4	1/ 3,024.5	3,732.3
Total capital expenditures (million dollars)	112.8	79.0	100.7	94.1	89.9	105.4

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; *2000 Annual Survey of Manufactures, Geographic Area Statistics*, M00 (AS)-3 (March 2002), table 2 <<http://www.census.gov/prod/2002pubs/m00as-3.pdf>> accessed July 25, 2002.

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: 2000

[Data are preliminary and subject to revision. Excluded are SIC codes with data that do not meet the disclosure standards of the Bureau of Labor Statistics or the State of Hawaii]

SIC code	Manufacturing	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
	Total	1,082	17,267	594,056	34,404
2013	Sausages and other prepared meats	13	134	2,855	21,251
2033	Canned fruits and vegetables	13	761	23,815	31,285
2035	Pickles, sauces, and salad dressings	12	146	2,764	18,922
2051	Bread, cake, and related products	37	926	23,602	25,491
2064	Candy and other confectionery products	21	459	10,792	23,524
2082	Malt beverages	4	52	1,038	19,902
2087	Flavoring extracts and syrups, nec	4	31	1,170	37,377
2095	Roasted coffee	6	338	9,671	28,584
2097	Manufactured ice	10	75	1,642	21,993
2098	Macaroni and spaghetti	9	160	2,539	15,908
2099	Food preparations, nec	58	987	16,085	16,295
2321	Men's and boys' shirts	13	368	8,825	23,996
2326	Men's and boys' work clothes	12	51	680	13,249
2329	Men's and boys' clothing, nec	11	212	3,389	16,018
2335	Women's, juniors', and misses' dresses	31	743	17,190	23,128
2339	Women's and misses' outerwear, nec	28	192	2,757	14,360
2361	Girls' and children's dresses	3	47	640	13,662
2391	Curtains and draperies	6	17	224	13,510
2392	Housefurnishings, nec	4	17	170	9,938
2394	Canvas and related products	9	26	826	31,252
2395	Pleating and stitching	8	34	673	20,101
2396	Automotive and apparel trimmings	47	479	12,572	26,247
2431	Millwork	7	58	1,924	32,979
2434	Wood kitchen cabinets	23	223	7,476	33,589
2439	Structural wood members, nec	5	71	2,445	34,562
2499	Wood products, nec	13	47	767	16,487
2511	Wood household furniture	6	39	1,442	36,975
2673	Bags, plastics, laminated, and coated	3	65	1,894	28,997
2711	Newspapers	39	1,658	75,601	45,586
2721	Periodicals	50	301	11,800	39,224
2741	Miscellaneous publishing	27	256	11,313	44,118
2752	Commercial printing, lithographic	58	674	23,579	34,967
2759	Commercial printing, nec	25	180	4,885	27,203
2841	Soap and other detergents	3	29	563	19,195
2844	Toilet preparations	8	24	556	23,597

continued on next page.

Table 22.05-- PRIVATE INDUSTRY MANUFACTURING EMPLOYMENT AND WAGES, ANNUAL AVERAGES: 2000 - Con.

[Data are preliminary and subject to revision. Excluded are SIC codes with data that do not meet the disclosure standards of the Bureau of Labor Statistics or the State of Hawaii]

SIC code	Manufacturing	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
2875	Fertilizers, mixing only	10	245	9,935	40,564
3089	Plastics products, nec	8	73	2,144	29,240
3229	Pressed and blown glass, nec	3	3	50	17,774
3231	Products of purchased glass	5	36	815	22,681
3271	Concrete block and brick	3	57	2,291	40,547
3272	Concrete products, nec	17	256	10,511	41,072
3273	Ready-mixed concrete	10	414	22,188	53,541
3281	Cut stone and stone products	9	66	1,735	26,282
3442	Metal doors, sash, and trim	8	62	1,920	30,754
3449	Miscellaneous metal work	3	40	1,818	45,833
3599	Industrial machinery, nec	6	36	1,016	28,021
3713	Truck and bus bodies	3	9	399	44,795
3731	Ship building and repairing	13	443	17,760	40,061
3732	Boat building and repairing	11	55	1,474	26,671
3911	Jewelry, precious metal	39	448	10,159	22,668
3931	Musical instruments	6	55	1,480	26,951
3949	Sporting and athletic goods, nec	23	77	1,647	21,503
3993	Signs and advertising specialities	13	85	2,218	26,192
3999	Manufacturing industries, nec	11	25	476	18,978

nec Not elsewhere classified.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages Annual Averages, 2000* (October 2001), Bulletin 2546, table 5.

**Table 22.06-- GENERAL EXCISE TAX BASE FOR MANUFACTURING:
1987 TO 2001**

[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	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	2001	611,292

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.

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**

[As of August 31, 2001]

Subject	State total	Hawaii	Maui	Oahu	Kauai
Number of parks and areas	19	4	3	11	1
Acres					
Total	4,625	1,698	691	2,176	60
Developed	1/ 2,658	651	2/ 97	3/ 1,891	19

1/ Excluding Lahaina Business Park and Halawa Business Park.

2/ Excluding Lahaina Business Park (total 37 acres).

3/ Excluding Halawa Business Park (total 39 acres).

Source: Pacific Business News, August 31, 2001.

**Table 22.08-- PINEAPPLE COMPANIES AND CANNERIES, AND
SUGAR COMPANIES AND MILLS, 1940 TO 2001,
AND BY ISLANDS, 2000 AND 2001**

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	3	1	3	4
2001	3	1	2	2
ISLANDS: 2000				
Hawaii	-	-	-	-
Maui	1	1	1	2
Oahu	2	-	-	-
Kauai	-	-	2	2
ISLANDS: 2001				
Hawaii	-	-	-	-
Maui	1	1	1	1
Oahu	2	-	-	-
Kauai	-	-	1	1

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: 1991 TO 2001

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	
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
2001	50,410	19,293	1,876,613	246,203	230,101	85,894

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 2000**

[In millions of dollars]

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
2000	60.8	71.4	93.1	2.8

1/ Value of canned fruit and juices and by-product shipped out-of-State and sold within State.

2/ Includes "fresh cut". 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/stats/t_of_c.htm> accessed June 19, 2002.

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: 2001*, Section 22 and 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 2001**

[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
2001	17,823,297	6,426,452	249,098	322,183	9,171,140

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
(NAICS 44-45) 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 (NAICS 44-45) 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 (NAICS 44-45) 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: 2000**

SIC code	Retail trade	No. of establishments	Average employment	Total wages (\$1,000)	Average wage
	Total	7,439	115,379	2,103,475	18,231
5231	Paint, glass, and wallpaper stores	13	129	4,617	35,721
5251	Hardware stores	51	1,397	31,614	22,634
5311	Department stores	60	10,963	209,323	19,094
5331	Variety stores	18	276	5,138	18,598
5399	Misc. general merchandise stores	56	525	7,719	14,693
5411	Grocery stores	382	11,139	222,154	19,944
5421	Meat and fish markets	48	335	5,955	17,797
5441	Candy, nut, and confectionery stores	38	256	2,979	11,644
5461	Retail bakeries	125	1,206	17,335	14,380
5499	Misc. food stores	96	853	12,658	14,838
5511	New and used car dealers	76	3,939	167,628	42,560
5521	Used car dealers	20	124	5,351	43,065
5531	Auto and home supply stores	182	1,669	39,997	23,963
5541	Gasoline service stations	267	3,202	52,674	16,450
5551	Boat dealers	18	96	2,038	21,250
5571	Motorcycle dealers	22	179	5,278	29,571
5611	Men's and boys' clothing stores	55	616	9,139	14,842
5621	Women's clothing stores	254	2,152	38,221	17,762
5632	Women's accessory and specialty stores	87	593	14,183	23,921
5641	Children's and infants' wear stores	19	130	1,479	11,405
5651	Family clothing stores	112	2,216	36,176	16,325
5661	Shoe stores	95	1,075	20,250	18,832
5699	Misc. apparel and accessory stores	181	1,390	21,250	15,290
5712	Furniture stores	90	709	21,523	30,349
5713	Floor covering stores	29	276	8,564	30,991
5714	Drapery and upholstery stores	13	24	636	26,506
5719	Misc. homefurnishing stores	40	361	5,678	15,741
5722	Household appliance stores	39	237	6,244	26,364
5731	Radio, TV, and electronic stores	87	678	14,962	22,073
5734	Computer and software stores	41	475	14,177	29,877
5735	Record and prerecorded tape stores	35	396	4,989	12,600
5736	Musical instrument stores	17	112	2,187	19,471
581	Eating and drinking places	2,766	50,137	692,864	13,819
5912	Drug stores and proprietary stores	160	3,861	105,998	27,452
5932	Used merchandise stores	72	361	5,630	15,577
5941	Sporting goods and bicycle shops	164	1,250	21,667	17,330
5942	Book stores	62	752	11,402	15,166

Continued on next page.

**Table 23.07-- PRIVATE INDUSTRY RETAIL EMPLOYMENT AND WAGES,
ANNUAL AVERAGES: 2000 - Con.**

SIC code	Retail trade	No. of establishments	Average employment	Total wages (\$1,000)	Average wage
5943	Stationery stores	29	195	4,065	20,893
5944	Jewelry stores	360	2,183	59,930	27,452
5945	Hobby, toy, and game shops	33	406	5,280	13,015
5946	Camera and photographic supply stores	6	27	564	20,623
5947	Gift, novelty, and souvenir shops	352	3,459	72,697	21,017
5948	Luggage and leather goods stores	29	391	12,326	31,566
5949	Sewing, needlework, and piece goods	22	253	3,486	13,761
5963	Direct selling establishments	48	181	4,471	24,679
5992	Florists	119	634	8,364	13,186
5995	Optical goods stores	51	304	6,829	22,470
5999	Misc. retail stores, not elsewhere classified	309	1,772	41,851	23,617

Source: U.S. Department of Labor, *Employment and Wages Annual Averages* (annual).

**Table 23.08-- RETAIL TRADE AND FOOD SERVICES SALES, BY
TYPE OF STORE: 2000**

[In millions of dollars; data are estimates]

Kind of store	NAICS code 1/	2000
All stores 2/		11,902
Total Retail sales and food and drink		13,915
Motor vehicle and parts dealers	441	2,265
Furniture and home furnishings	442	192
Electronics and appliances	443	213
Building and material supply	444	660
Food and beverage stores	445	2,179
Health and personal care	446	854
Gasoline service stations	447	687
Clothing and accessories	448	1,578
Sporting goods, hobby, book, & music stores	451	362
General merchandise	452	2,344
Miscellaneous store	453	482
Nonstore retailers	454	86
Food services & drinking establishments	722	2,013

1/ Datatable has been altered from previous year, table no longer use SIC code for classification purposes.

2/ Includes other types of stores, not shown separately.

Source: Market Statistics (a division of Claritas Inc., Arlington VA), estimates cited in *Statistical Abstract of the United States: 2001*, pp. 646-647.

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
Waikele 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: 1997 TO 2000

Characteristic	1997	1998	1999	2000
Number	182	182	184	190
Gross leasable area (mil. sq. ft.)	19	19	20	20
Retail sales (bil. dol.)	3.9	4.2	4.6	5.1

Source: *Statistical Abstract of the United States: 2001* (p. 656) 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 2001

[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	1994	413,417,555
1986	270,891,959	1995	419,548,514
1987	369,788,429	1996	425,824,748
1988	445,072,755	1997	355,636,355
1989	451,185,041	1998	271,692,798
1990	413,932,037	1999	192,429,772
1991	378,587,469	2000	229,392,900
1992	421,953,644	2001	215,257,193
1993	397,322,968		

Source: DFS Hawaii, records, for 1995-2001 data Hawaii State Department of Transportation, Airport Division records.

Table 23.14-- ALCOHOLIC BEVERAGE SALES, BY TYPE: 1999 TO 2001

Category	Wine gallons of 128 fluid ounces			Wholesale value, 2001 (dollars)
	1999	2000	2001	
All types	32,933,885	33,707,562	33,773,901	340,352,839
Distilled spirits	1,337,880	1,434,126	1,467,944	65,662,179
Sparkling wine	259,422	208,264	214,201	11,529,851
Still wine	2,715,869	2,793,299	2,824,342	85,801,306
Cooler beverage	216,118	206,902	229,674	3,054,167
Draft beer	1,735,885	1,927,724	1,976,106	8,846,862
Beer other than draft	26,668,711	27,137,247	27,061,634	165,458,474

Source: Hawaii State Department of Taxation, Tax Research and Planning, records.

**Table 23.15-- MERCHANDISE LINE SALES FOR RETAIL TRADE
IN HAWAII: 1997**

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
	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
(NAICS 42), BY BROAD GEOGRAPHIC AREAS: 1997**

Subject	State total	Oahu	Neighbor Islands
Number of establishments	1,872	1,463	409
Sales (\$1,000)	7,147,462	6,079,891	1,067,571
Annual payroll (\$1,000)	575,955	486,975	88,980
First quarter payroll (\$1,000)	138,454	117,329	21,125
Paid employees for pay period including March 12 (number)	18,532	15,423	3,109
Operating expenses (\$1,000)	1,213,543	1,017,689	195,854
Inventories (\$1,000):			
Beginning of year	691,610	604,482	87,128
End of year	734,465	642,470	91,995

Source: U.S. Census Bureau, 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 (NAICS 54) 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 (NAICS 56) 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
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 (NAICS 61) 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
(NAICS 71) 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 (NAICS 81) 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 (NAICS 72), 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 2001

[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
2001	72,204	36,824	9,944	7,202	18,234

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 2001

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
2001	914	712	202	72,204	56,021	16,183

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 1999-2001.

**Table 23.36-- VISITOR ACCOMMODATIONS, BY TYPE AND BY ISLANDS:
2000 AND 2001**

Year and island	Properties			Units		
	Total	Hotels 1/	Condo- miniums 2/	Total	Hotels 1/	Condo- miniums 2/
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
2001						
State total	914	712	202	72,204	56,021	16,183
Oahu	205	180	25	36,824	33,579	3,245
Waikiki/Honolulu	117	95	22	32,016	28,932	3,084
Rest of Oahu	88	85	3	4,808	4,647	161
Other islands	709	532	177	35,380	22,442	12,938
Hawaii	185	156	29	9,944	7,988	1,956
Maui	251	144	107	17,574	9,587	7,987
Lanai	6	6	-	368	368	-
Molokai	10	6	4	292	176	116
Kauai	257	220	37	7,202	4,323	2,879

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: 2001

[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	914	205	709	72,204	36,824	35,380
Apartment-hotel	22	15	7	744	647	97
Bed and breakfast	149	15	134	553	42	511
Condominium	202	25	177	16,183	3,245	12,938
Hotel	161	82	79	50,114	31,546	18,568
Other 1/	380	68	312	4,610	1,344	3,266

1/ Hostel, lodge, etc.

Source: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *Visitor Plant Inventory* (annual).

**Table 23.38-- HOTELS AND OTHER LODGING PLACES (NAICS 7211),
BY COUNTIES: 1995 TO 2000**

County	1995 1/	1996 1/	1997 1/	1998	1999	2000
State total	283	282	291	298	295	273
Hawaii	38	41	41	48	48	47
Honolulu	147	137	138	133	130	122
Kauai	32	31	31	38	36	32
Maui	66	73	81	79	81	72

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: 2001

[Accommodation type grouped differently than in previous years]

Island and type of accommodation	All levels	\$100 or less	\$101 to \$250	\$251 to \$500	Over \$500
Number reporting	70,834	14,685	31,131	20,822	4,196
Island:					
Oahu	36,269	8,984	17,106	9,169	1,010
Hawaii	9,713	1,946	4,090	2,580	1,097
Kauai	7,122	1,032	3,257	2,229	604
Maui	17,070	2,654	6,564	6,558	1,294
Molokai	292	62	104	126	-
Lanai	368	7	10	160	191
Type of accommodation:					
Apartment, apartment-hotel	736	571	161	2	2
Bed and breakfast	492	287	198	7	-
Condominium	15,619	3,116	9,849	2,462	192
Hostel	412	412	-	-	-
Hotel	50,081	9,146	20,107	16,937	3,891
Individual vacation unit	1,252	750	415	63	24
Other	2,242	404	400	1,350	88

Note: Based on 804 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, *Visitor Plant Inventory* (annual).

**Table 23.40-- HOTEL ROOMS, OCCUPANCY RATES, AND DAILY ROOM
AND GUEST RATES: 1989 TO 2001**

[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	71,157	35,861	35,296	72.9	144.53	2.09
2000 3/	71,506	36,303	35,203	70.0	159.78	2.08
2001	72,204	36,824	35,380	61.1	159.28	2.05

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 2000 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: 2001**

[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	71.94	157.99	113.66
Oahu	72.87	120.79	88.02
Waikiki	73.14	122.04	89.26
Other Oahu	70.45	109.23	76.95
Hawaii	67.74	182.21	123.43
Hilo	61.48	72.87	44.80
Kona	72.63	94.53	68.66
Kohala	66.85	246.17	164.57
Maui	74.50	210.29	156.66
Kaanapali	77.87	186.66	145.35
West Maui	72.42	195.81	141.80
Other	73.05	237.53	173.52
Kauai	68.33	172.72	118.01
North	67.98	223.94	152.24
Central	66.59	116.44	77.54
South	70.15	212.63	149.17
Molokai	47.36	92.09	43.62

Source: PKF-Hawaii, *Trends in the Hotel Industry, Hawaii*, December 2001.

**Table 23.42-- GENERAL EXCISE TAX BASE FOR RENTALS:
1985 TO 2001**

[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
2001	6,360,999	2,421,813	3,939,186

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.

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 of 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: 2001*. 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 2001**

[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	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
2001	(NA)	(NA)	(NA)	369.9	319.1

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.

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 2001; *U.S. Merchandise Trade*, FT900 Supplement, December 1989 to 2001; 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 July 19, 2002.

**Table 24.03-- FOREIGN TRADE THROUGH THE HAWAII
CUSTOMS DISTRICT, BY CLASSIFICATION: 1997 TO 2001**

[In millions of dollars]

Classification	1997	1998	1999	2000	2001
General imports by district of entry:					
Customs value 1/	3,176.79	2,515.31	2,598.73	3,439.88	(NA)
C.i.f. value 2/	3,326.44	2,634.90	2,721.29	3,601.73	(NA)
General imports by district of unloading:					
Customs value 1/	4,063.49	3,393.45	4,256.43	5,630.19	(NA)
C.i.f. value 2/	4,249.72	3,550.39	4,435.21	5,849.93	(NA)
Imports for consumption by district of entry (customs value 1/)	2,694.98	2,217.22	2,298.69	2,875.65	(NA)
Exports of domestic and foreign merchandise by district of export (f.a.s. value 3/)	1,627.98	1,042.27	1,182.73	702.72	(NA)
Exports of merchandise by location of exporter 4/					
Commodities	303.2	211.4	243.5	368.8	319.1
Manufactured commodities	162.4	177.1	210.4	267.2	270.3
Non-manufactured commodities	123.2	126.4	173.5	209.9	227.3
Reexports 5/	39.2	50.7	36.9	57.8	43.0
Reexports 5/	140.8	34.2	33.1	101.2	48.8
Exports of merchandise by origin of movement 6/					
Commodities	334.0	276.4	273.6	386.8	369.9
Manufactured commodities	205.2	234.6	234.5	312.9	340.3
Non-manufactured commodities	145.0	171.7	191.6	241.7	279.6
Reexports 5/	60.2	62.9	42.9	71.2	60.7
Reexports 5/	128.8	41.8	39.1	73.8	29.5

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 1995-2001 exhibit 2 and 2A at <http://www.census.gov/foreign-trade/www/press.html>, accessed July 19, 2002. 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 July 19, 2002.

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	5,630.19	1,734.27	3,833.91	6,436.23	30.32
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:
1998 TO 2001**

[Fiscal year ended September 30. Subzone No. 9-C, Dole Packaged Foods Co.
deactivated on February 26, 1996]

Subject	1998	1999	2000	2001
Zone No. 9, General Purpose:				
Firms using zone	274	269	253	298
User employment at zone 1/	200	202	351	462
Value of merchandise (\$1,000): 2/				
In/out 3/	412,973	373,336	616,204	564,644
Exports 3/	183,726	146,775	212,789	217,008
Revenue 4/ (\$1,000)	1,325	1,421	1,474	1,153
Expenditures 4/ (\$1,000)	1,286	1,231	1,253	1,174
Subzone No. 9-A, Tesoro Hawaii, Corp. 5/ 6/:				
User employment at subzone 1/	372	372	332	205
Employment at subzone				
Support employment off-site				
Value (\$1,000): 2/				
Merchandise, in/out	938,017	942,673	1,557,329	1,855,447
Exports	141,790	103,211	149,704	131,774
Subzone No. 9-B, HFM:				
User employment at subzone	16	7/	7/	7/
Value (\$1,000): 2/				
Merchandise, in/out	42	7/	7/	7/
Exports	25	7/	7/	7/
Subzone No. 9-D, Maui Pineapple Co. Ltd.:				
User employment at subzone 1/	557	565	563	559
Value (\$1,000): 2/				
Merchandise, in/out	104,697	111,295	109,488	109,525
Exports	3,299	1,482	2,071	1,578
Subzone No. 9-E, Chevron U.S.A. Products Co. Hawaii Refinery:				
User employment at subzone 1/	180	179	184	186
Value (\$1,000): 2/				
Merchandise, in/out	567,598	547,221	1,007,560	1,116,821
Exports	46,417	45,579	43,129	58,111

Continued on next page.

**Table 24.05-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS:
1998 TO 2001 -- Con.**

Subject	1998	1999	2000	2001
Subzone No. 9-F, Citizens Utilities Company dba The Gas Company's Synthetic Natural Gas (SNG) Facility 6/				
User employment at subzone 1/	35	35	33	32
Value (\$1,000):				
Merchandise, in/out	26,555	29,232	39,610	40,152
Exports	...	...	...	...

1/ For firms occupying facilities on a continuing basis only. Revised to count employment at the Zone, therefore, excludes 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; and for 2001 <<http://www.hawaii.gov/dbedt/ftz/ftz2001.pdf>> accessed January 31, 2002.

**Table 24.06--AGRICULTURAL EXPORTS ESTIMATED VALUE
FOR HAWAII AND THE UNITED STATES: 1997 TO 2001**

[In millions of dollars. Reported for fiscal year]

	Hawaii	Hawaii Rank	United States
1997	132.1	39	57,269.1
1998	128.4	40	53,652.9
1999	131.8	38	49,043.3
2000	147.3	38	50,743.8
2001	162.7	38	52,734.9

Source: U.S. Department of Agriculture, Economic Research Service, "Fiscal 2001 U.S. Agricultural Exports Rose, but Exports by State Showed Both Gains and Losses from 2000" (August 1, 2002)
<<http://www.ers.usda.gov/publications/fau/july02/fau6602/fau6602.pdf>> accessed August 2, 2002.

Table 24.07-- AGRICULTURAL EXPORTS, BY COMMODITY GROUP FOR HAWAII AND THE UNITED STATES: 1997 TO 2001

[In millions of dollars. Reported for fiscal year]

Export	1997	1998	1999	2000	2001
Hawaii Total	132.1	128.4	131.8	147.3	162.7
Fruits and preparations	47.3	58.2	63.9	65.7	56.0
Tree nuts	13.3	7.4	7.9	11.3	11.5
Vegetables and preparations	-	-	-	1.2	1.1
Live animals and meat, exc. poultry	-	-	-	-	1.9
Hides and skins	-	-	-	-	0.6
Poultry and products	-	-	-	-	0.6
Fats, oils, and greases	-	-	-	-	0.1
Feeds and fodders	-	-	-	-	0.3
Seeds	-	-	-	0.3	0.3
Other 1/	71.4	62.8	59.9	68.8	90.3
United States Total	57,269.1	53,652.9	49,043.3	50,743.8	52,734.9
Fruits and preparations 2/	3,418.2	3,217.9	3,285.5	3,380.2	3,501.6
Tree nuts	1,280.0	1,213.2	1,077.7	977.7	1,128.3
Vegetables and preparations	4,081.0	4,167.9	4,253.3	4,440.4	4,513.5
Live animals and meat, exc. poultry	5,054.6	5,165.1	5,111.7	6,191.4	6,070.2
Hides and skins	1,693.2	1,358.3	1,110.1	1,428.4	1,942.7
Poultry and products	2,870.5	2,710.7	2,061.5	2,235.4	2,521.5
Fats, oils, and greases	523.4	635.8	543.9	421.5	319.5
Feeds and fodders	2,191.0	2,149.7	2,077.6	2,343.9	2,741.4
Seeds	912.9	827.3	794.2	771.8	727.2
Other 1/	6,284.9	5,715.6	5,561.5	5,912.4	7,166.4

1/ Other includes miscellaneous oilseeds, sugar and tropical products, nursery and greenhouse, essential oils, beverages other than juice, and miscellaneous animal products.

2/ Estimate of exports of apples and apple juice is assumed to equal the previous year as current year production data has not yet been released.

Source: U.S. Department of Agriculture, Economic Research Service, "U.S. agricultural exports: Estimated value, by commodity group and State, FY 1997-2001"

<<http://www.ers.usda.gov/Data/FATUS/DATA/16010.xls>> accessed August 2, 2002.

**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:
1994 TO 2001**

[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]

Subject	Parcels							
	1994	1995	1996	1997	1998	1999	2000	2001
All property 1/ 3/	236,138	240,652	245,257	250,320	252,587	254,282	256,839	258,162
Foreign holdings	5,833	5,150	4,406	3,968	3,081	2,708	2,431	2,151
Percent 3/	2.4	2.1	1.8	1.6	1.2	1.1	1.1	0.8
Foreign holdings by land class:								
Improved residential	678	597	545	501	448	381	336	304
Apartment	4,284	3,792	3,067	2,804	2,151	1,780	1,584	1,420
Commercial	212	222	188	169	153	128	116	96
Industrial	22	21	19	15	15	13	13	11
Agricultural	38	33	20	20	20	18	4	4
Conservation	20	18	11	7	4	4	2	2
Hotel and resort	571	460	550	448	288	382	374	313
Unimproved residential	8	7	6	4	2	2	2	1
Subject	Assessed value (millions of dollars) 1/							
	1994	1995	1996	1997	1998	1999	2000	2001
All property 1/ 3/	88,772	89,059	88,077	86,985	83,375	78,066	72,766	70,753
Foreign holdings	6,491	4,867	3,796	3,075	2,585	2,307	2,036	1,665
Percent 3/	7.3	5.5	4.4	3.7	3.3	3.2	2.8	2.4
Foreign holdings by land class:								
Improved residential	712	509	435	387	332	274	250	225
Apartment	1,471	1,178	916	789	557	419	371	335
Commercial	1,730	929	567	306	214	140	125	119
Industrial	192	173	113	91	84	65	65	52
Agricultural	53	51	4	4	4	3	2/	0
Conservation	91	68	38	1	1	1	1	1
Hotel and resort	2,223	1,946	1,710	1,487	1,390	1,402	1,222	932
Unimproved residential	18	14	12	8	2	2	2	1

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); 2000 (tables dated February 8, 2001); and 2001 (email July 10, 2002) 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 2001**

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]

Country	1996	1997	1998	1999	2000	2001
Total	4,406	3,968	3,081	2,708	2,431	2,151
Argentina	1	1	1	1	1	1
Australia	31	26	20	17	14	10
Austria	2	2	2	2	2	2
Bahamas	-	1	1	6	6	6
Barbados	1	1	1	1	1	0
Belgium	1	1	1	1	1	1
Bermuda	16	14	12	10	8	7
British Virgin Isle	4	4	4	4	4	3
British West Indies	1	1	1	1	1	1
Canada	228	207	146	138	109	99
Cayman Island(s)	1	1	1	1	1	1
China	49	42	41	32	31	27
Dominican Republic	1	1	1	1	1	1
England	40	36	29	27	25	23
France	45	44	39	33	32	29
French Polynesia	6	6	5	5	5	5
Germany	13	13	10	9	8	7
Guam	-	-	-	-	-	-
Holland	4	4	3	3	3	3
Hong Kong	73	63	55	57	52	46
India	2	2	2	2	2	2
Indonesia	8	8	8	8	8	6
Italy	1	1	1	1	1	1
Japan	3,669	3,299	2,533	2,198	1,979	1,756
Korea	51	45	38	36	33	27
Lebanon	2	2	2	2	0	0
Liberia	6	6	6	4	4	4
Macau	1	1	-	-	-	-
Malaysia	4	4	3	2	2	2
Micronesia	2	2	2	2	1	0
Netherlands Antilles	10	9	9	12	12	11
New Zealand	7	5	5	4	3	2

Continued on next page.

**Table 24.11-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON OAHU
BY COUNTRY, NUMBER OF PARCELS: 1996 TO 2001 -- Con.**

Country	1996	1997	1998	1999	2000	2001
Panama	1	1	1	1	1	1
Philippines	30	29	25	22	22	18
Portugal	1	1	1	1	1	1
Saudi Arabia	3	3	3	3	3	1
Singapore	10	10	7	6	6	5
Sweden	4	4	3	3	1	1
Switzerland	10	9	6	4	4	3
Tahiti	11	11	10	11	11	10
Taiwan	46	38	34	30	26	24
Thailand	9	9	9	7	6	4
United Arab Emirates	1	1	-	-	-	-

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); 2000 (tables dated February 8, 2001); and 2001 (email July 10, 2002) submitted to the Honolulu City Council.

**Table 24.12-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON
OAHU BY COUNTRY, ASSESSED VALUE: 1996 TO 2001**

[Value in thousands of dollars. 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	2001
Total	3,795,599.8	3,074,944.5	2,584,680.4	2,307,046.9	2,036,049.6	1,664,670.4
Argentina	164.3	123.2	117.0	117.0	114.2	114.2
Australia	14,027.8	12,266.4	9,777.7	8,049.2	7,777.7	3,874.4
Austria	585.3	519.4	493.2	484.5	511.7	511.7
Bahamas	-	8,245.4	8,287.7	11,882.9	12,184.2	12,184.2
Barbados	1,657.0	1,643.9	1,660.7	1,831.3	1,972.9	0.0
Belgium	172.0	172.0	154.8	154.8	156.1	156.1
Bermuda	28,887.1	16,825.1	12,819.6	10,002.6	8,804.5	8,187.5
British Virgin Isle	2,034.1	2,032.0	1,869.6	1,782.0	2,106.0	1,639.9
British West Indies	254.1	254.1	203.3	194.9	204.5	204.5
Canada	52,773.2	42,886.7	28,168.2	25,118.0	21,939.0	20,843.2
Cayman Island(s)	1,303.9	1,303.9	1,238.7	959.6	949.7	949.7
China	13,385.4	10,200.6	8,938.9	6,047.1	5,967.3	5,233.2
Dominican Republic	262.2	248.2	224.8	210.7	238.7	238.7
England	13,031.5	11,174.9	9,033.8	7,176.9	7,382.8	7,121.1
France	22,821.2	22,918.7	20,779.8	18,341.2	18,229.4	17,686.2
French Polynesia	1,847.8	1,814.7	1,500.6	1,392.6	1,395.5	1,395.5
Germany	4,404.2	4,153.5	3,049.6	2,686.5	2,289.8	2,160.5
Holland	999.8	839.9	698.2	676.6	670.0	670.0
Hong Kong	40,255.6	34,066.1	29,395.7	15,672.0	13,995.3	12,890.7
India	540.5	477.2	416.1	422.4	462.2	462.2
Indonesia	1,893.6	1,656.9	1,443.1	1,425.8	1,484.8	1,082.6
Italy	123.3	111.0	88.8	75.3	73.7	73.7
Japan	3,513,238.5	2,832,862.2	2,388,443.0	2,140,081.8	1,878,367.2	1,524,695.5
Korea	20,027.3	17,505.5	14,649.4	12,983.8	12,518.0	10,486.6
Lebanon	826.6	612.8	584.2	555.8	0.0	0.0
Liberia	2,745.3	2,660.1	2,537.2	833.2	933.1	933.1
Macau	258.7	219.9	-	-	-	-
Malaysia	1,113.5	622.6	1,049.0	307.9	310.4	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	13,035.5
New Zealand	1,948.2	1,123.5	962.6	835.1	703.0	463.0
Panama	259.4	259.4	198.0	209.6	193.6	193.6
Philippines	8,387.9	7,180.2	5,394.8	4,193.0	3,990.4	3,154.4
Portugal	441.4	397.3	394.8	354.9	354.8	354.8

Continued on next page.

**Table 24.12-- REAL PROPERTY HOLDINGS OF FOREIGN PERSONS ON OAHU BY
COUNTRY, ASSESSED VALUE: 1996 TO 2001 -- Con.**

Country	1996	1997	1998	1999	2000	2001
Saudi Arabia	616.9	576.3	490.8	473.8	466.2	213.4
Singapore	2,860.4	2,516.9	1,336.8	1,172.3	1,175.4	752.9
Sweden	1,148.4	1,085.1	798.6	810.3	91.8	91.8
Switzerland	2,782.8	2,450.4	1,277.0	1,057.4	1,099.4	699.4
Tahiti	2,175.2	1,914.3	1,458.2	1,533.1	1,561.1	1,433.0
Taiwan	19,448.8	15,039.3	12,258.1	10,669.9	10,040.9	9,213.1
Thailand	3,254.9	2,984.1	2,945.8	1,668.1	1,514.7	960.1
Turkey	-	-	-	-	-	-
United Arab Emirates	183.3	150.6	-	-	-	-

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); *2000* (tables dated February 8, 2001); and 2001 (email July 10, 2002) 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 1999

[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 1998 are revised. Data for 1999 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	11,377	10,962	33	382	152	985	299	128
1999	11,363	9,852	9,429	35	388	118	988	273	132

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>> accessed January 30, 2002; 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 1999

[Data for Hawaii nonbank affiliates owned 10 percent or more, directly or indirectly, by a foreign person. Employment in thousands. Data for 1998 are revised. Data for 1999 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	(D)	(D)	1.5	6.8	4.0	1.2
1999	44.4	31.4	29.8	3/	(NA)	0.9	7.3	3.7	1.1

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>> accessed January 30, 2002; 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 1999

[Investment by Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or foreign by country of ultimate beneficial owner. In millions of dollars. Data for 1996 are the last year presented to the International Survey Industry based on the 1987 Standard Industrial Classification. Data for 1998 are preliminary. See Table 24.16a for detailed 1997-99 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)
1999	11,363	(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>> accessed January 30, 2002; 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: 1997-99

[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. 1998 data are revised. 1999 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
1999	11,363	299	177	939	238	58	3,113	2	6,538
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
1999	44.4	2.6	1.7	6.6	0.8	1.0	1.7	0.2	29.8

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>> accessed January 30, 2002; 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 1999**

[Data for Hawaii nonbank affiliates of U.S. business enterprises owned 10 percent or more, directly or indirect 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. 1998 data are revised. 1999 data are preliminary. See Table 24.16 for detailed 1997-99 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)
1999	44.4	(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>> accessed January 30, 2002; and Hawaii State Department of Business, Economic Development & Tourism calculations.

BIBLIOGRAPHY

This volume is the 34th of its type compiled 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 published for the counties of Hawaii, Maui and Kauai. The Hawaii County Department of Research and Development issued its *2000 County of Hawaii Data Book*, a 483 page compendium, in October 2001 <http://www.hawaii-county.com/databook_current/dbooktoc.htm>. *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 <<http://www.hawaii-sbdc.org/brl/mcdb/mcdb.htm> - Table>. *Statistical Abstract of the Kauai Economy, 1994 Edition* (80 pages), prepared by the Kauai County Office of Economic Development, appeared in September 1994. A new edition for Kauai will be released shortly and will be available on the Kauai County Internet site.

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* <<http://www.census.gov/statab/www/>>. The *Abstract* is an annual publication of the U.S. Census Bureau, initiated in 1878. The current edition is the 121st, dated 2001; copies are available from the Superintendent of Documents, U.S. Government Printing Office, Pittsburgh, PA 15250. 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 Census website <<http://www.census.gov/>>.

**Table A.-- PRINTING HISTORY OF THE STATE OF HAWAII DATA BOOK:
1991 TO 2001**

[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		
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
2001	7/	744	7/	7/	7/	7/

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 *State of Hawaii Data Book* was not printed. It is 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.

ON-LINE AVAILABILITY OF DATA BOOK TABLES TO THE PUBLIC

Since 1996, the *Data Book* and other DBEDT publications and information have been made available at the Internet site <<http://www.state.hi.us/dbedt/>>. *Data Book* tables may be viewed or downloaded from this web site. Updates and revisions to the tables will also be accessible throughout the year on the DBEDT Internet site.

For further information about available data and sources, users should call the DBEDT Library at (808) 586-2424.



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