State Population Total	1,244,898
City & County of Honolulu	896,019
Hawaii County	154,794
Kauai County	59,946
Maui County	134,139

2002

The State of Hawaii

DATA BOOK

A Statistical Abstract

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

2002

The State of Hawaii

DATA BOOK

A Statistical Abstract

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

October 2003

Copyright © 2003 by the State of Hawaii, Department of Business,
Economic Development & Tourism.

This report has been cataloged as follows:

Hawaii. Dept. of Business, Economic Development and Tourism. Research and Economic Analysis Division. Statistics and Data Support Branch.
State of Hawaii data book; a statistical abstract. Honolulu: 1967-.

Annual.
None published for 1969.
1972 edition accompanied by supplement.
1999, 2001 and 2002 editions available only on the Internet.
Continues same series under Department's earlier names.

1. Hawaii-Statistics. I. Data Book.
HA4007.H356.2002

CONTENTS

About this edition
State of Hawaii, counties and districts maps
Guide to tabular presentation
Neighborhood statistics program area maps
Census tract maps

SECTIONS

1. Population
2. Vital statistics and health
3. Education
4. Law enforcement, courts, and prisons
5. Geography and environment
6. Land use and ownership
7. Recreation and travel
8. Elections
9. Government finances and employment
10. National defense
11. Social insurance and human services
12. Labor force, employment, and earnings
13. Income, expenditures, and wealth
14. Prices
15. Banking, insurance, and business enterprise
16. Information and Communications
17. Energy and science
18. Transportation
19. Agriculture
20. Forests, fisheries, and mining
21. Construction and housing
22. Manufactures
23. Domestic trade and services
24. Foreign and interstate commerce

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, Greg Leong, Tam Yee, Angeline Aniya, David Hiromoto and the DBEDT Library. The Office of Planning, DBEDT, produced the maps.

The report is available <http://www.hawaii.gov/dbedt>.

ABOUT THIS EDITION

The Department of Business, Economic Development & Tourism is pleased to present the 2002 edition of the *State of Hawaii Data Book*, the official summary of statistics on the social, economic, and political organization of our state.

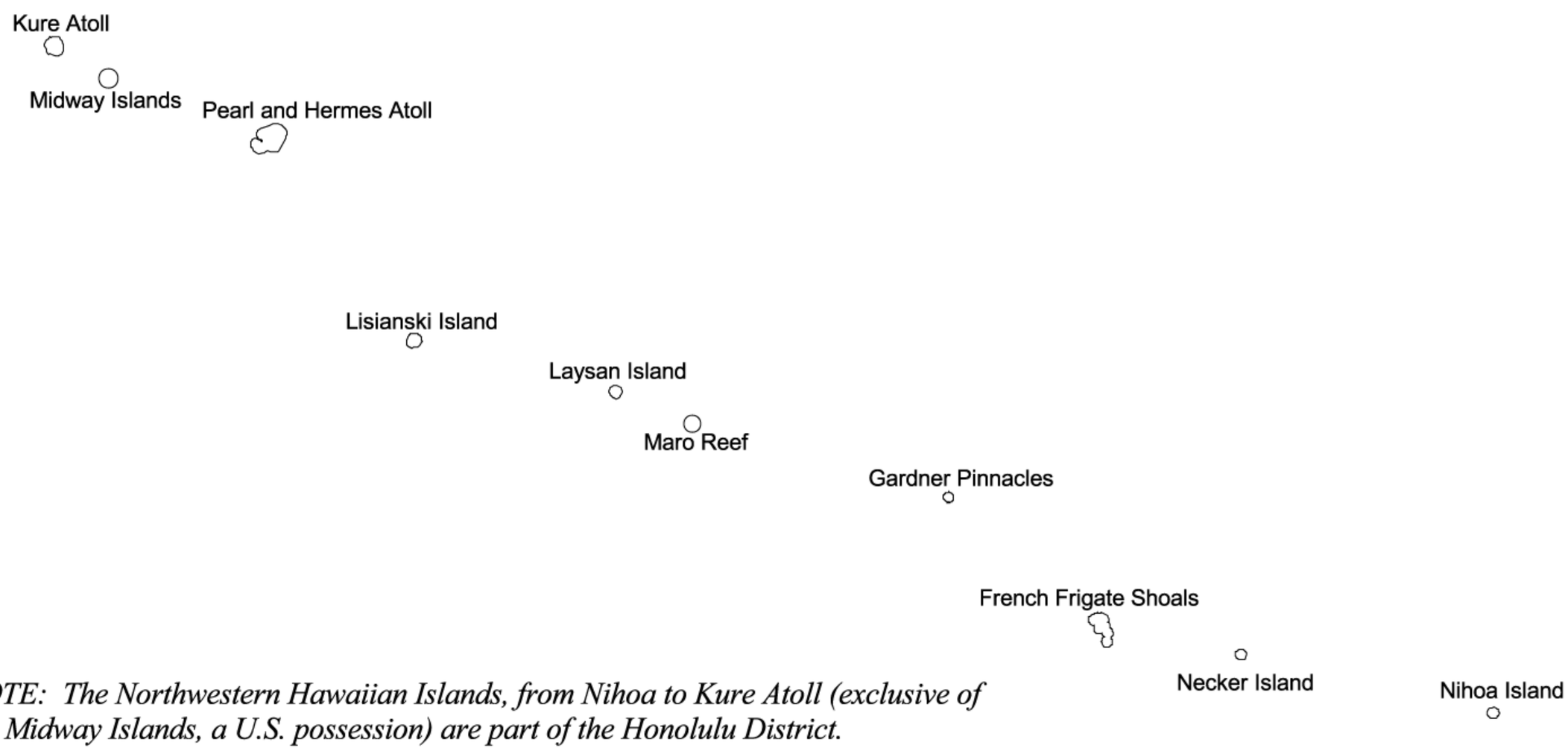
This edition, the 35th in the series, closely follows the organization and format of its counterpart, the *Statistical Abstract of the United States*, to facilitate comparison of state and national data. It places the major emphasis on statewide data and less so on counties, islands, urban places, and 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.

Linda Lingle
Governor of Hawaii

Ted E. Liu
Director of Business,
Economic Development &
Tourism

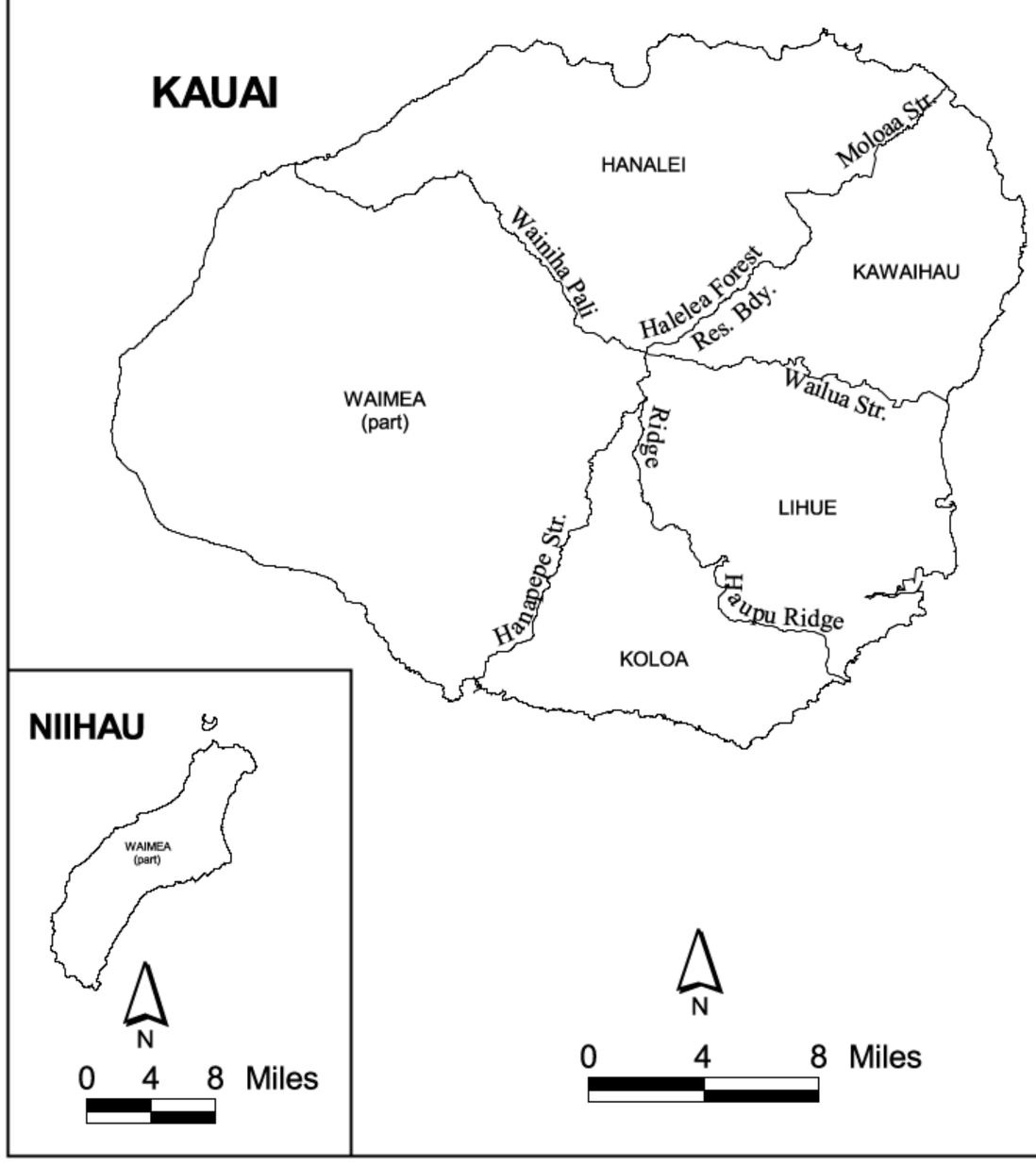
STATE OF HAWAII
COUNTIES and DISTRICTS



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.

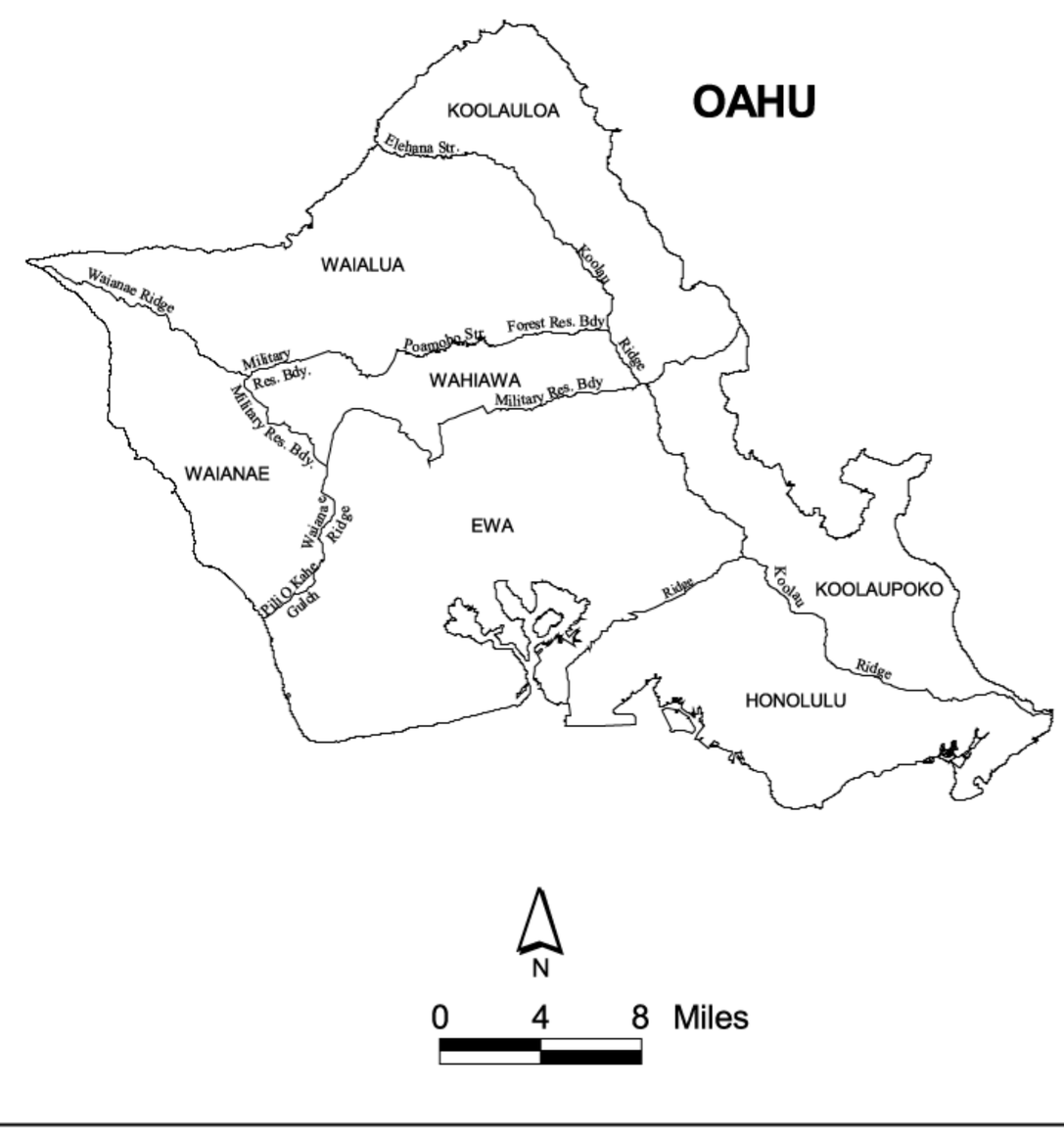
INSET A

KAUAI
COUNTY



INSET B

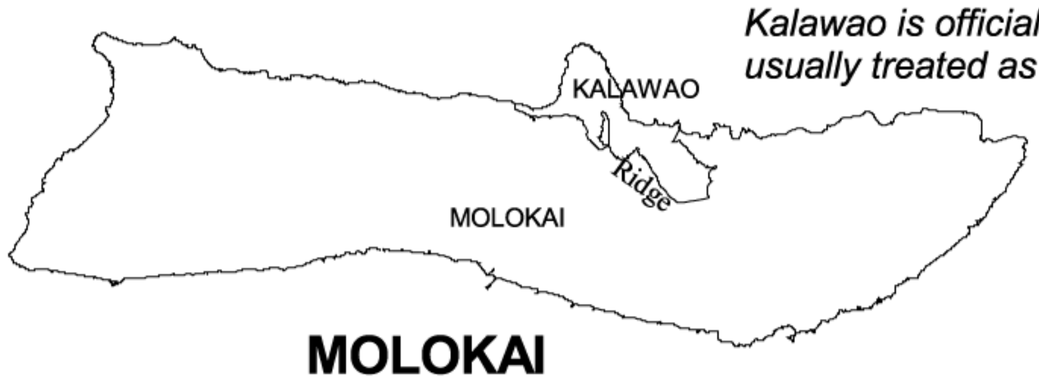
HONOLULU
CITY AND COUNTY



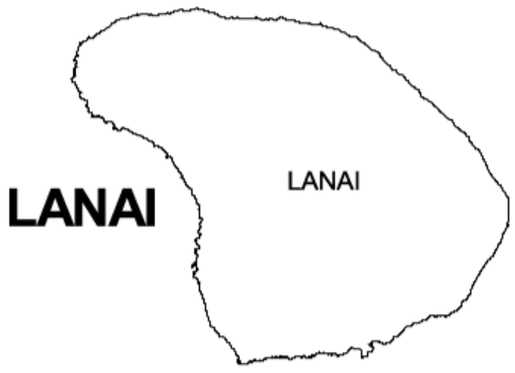
Kalawao is officially designated as a separate county but is usually treated as a district of Maui for statistical purposes.

INSET C

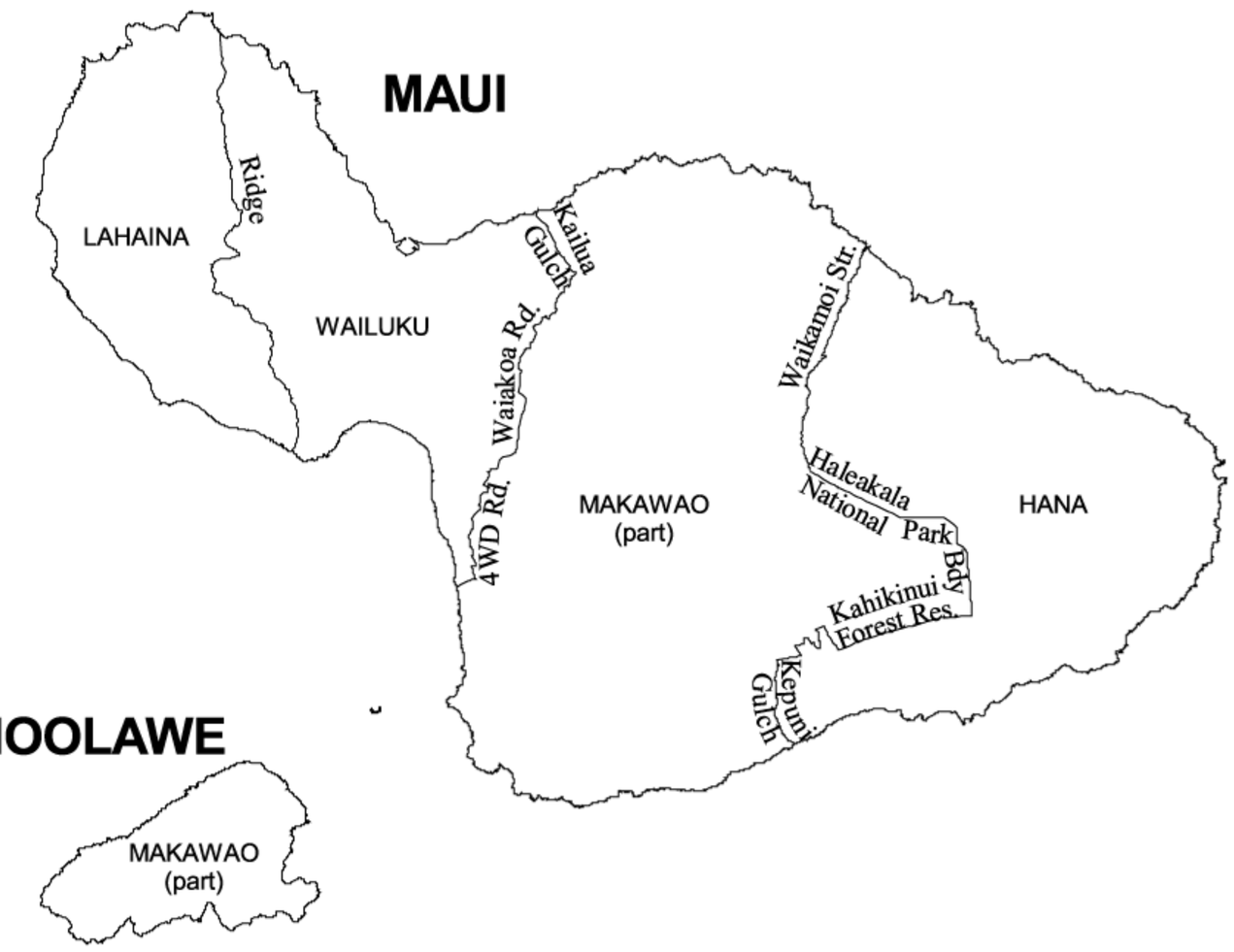
MAUI COUNTY

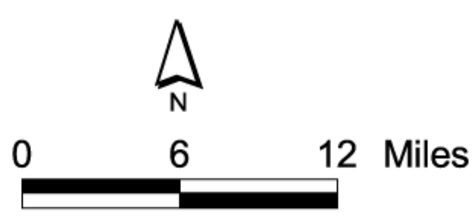


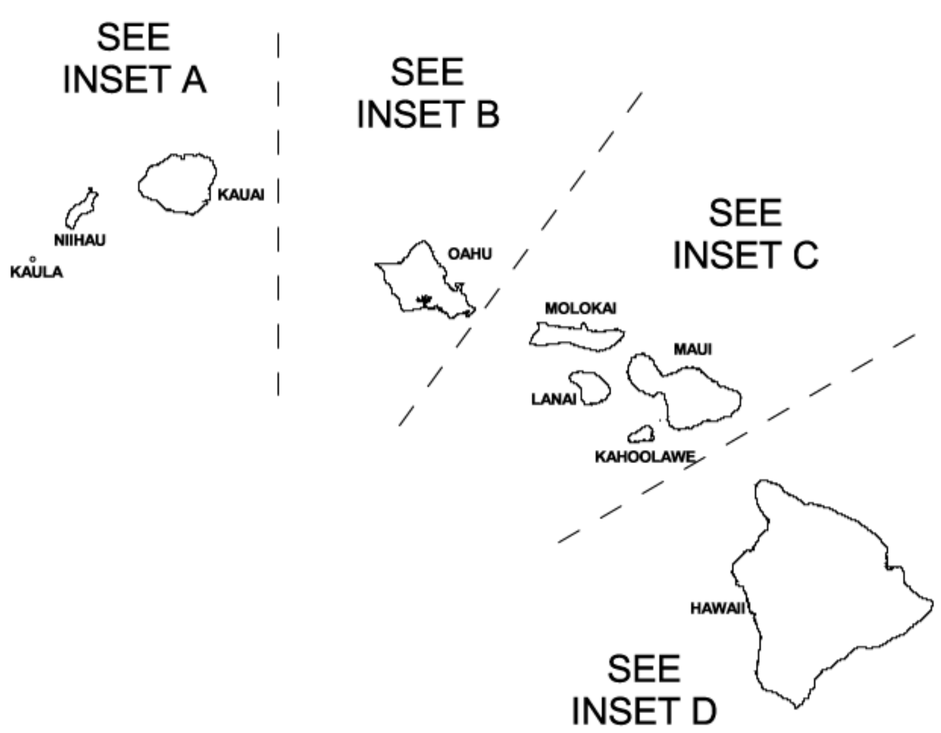
MOLOKAI

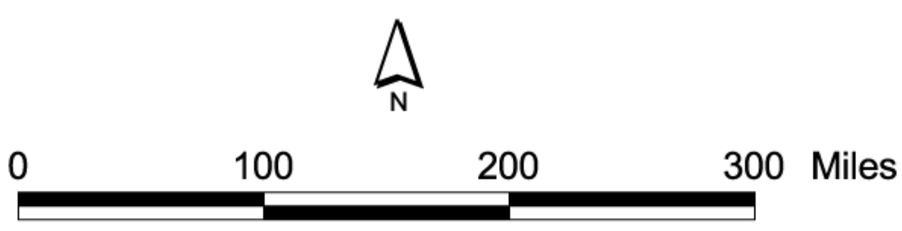


LANAI



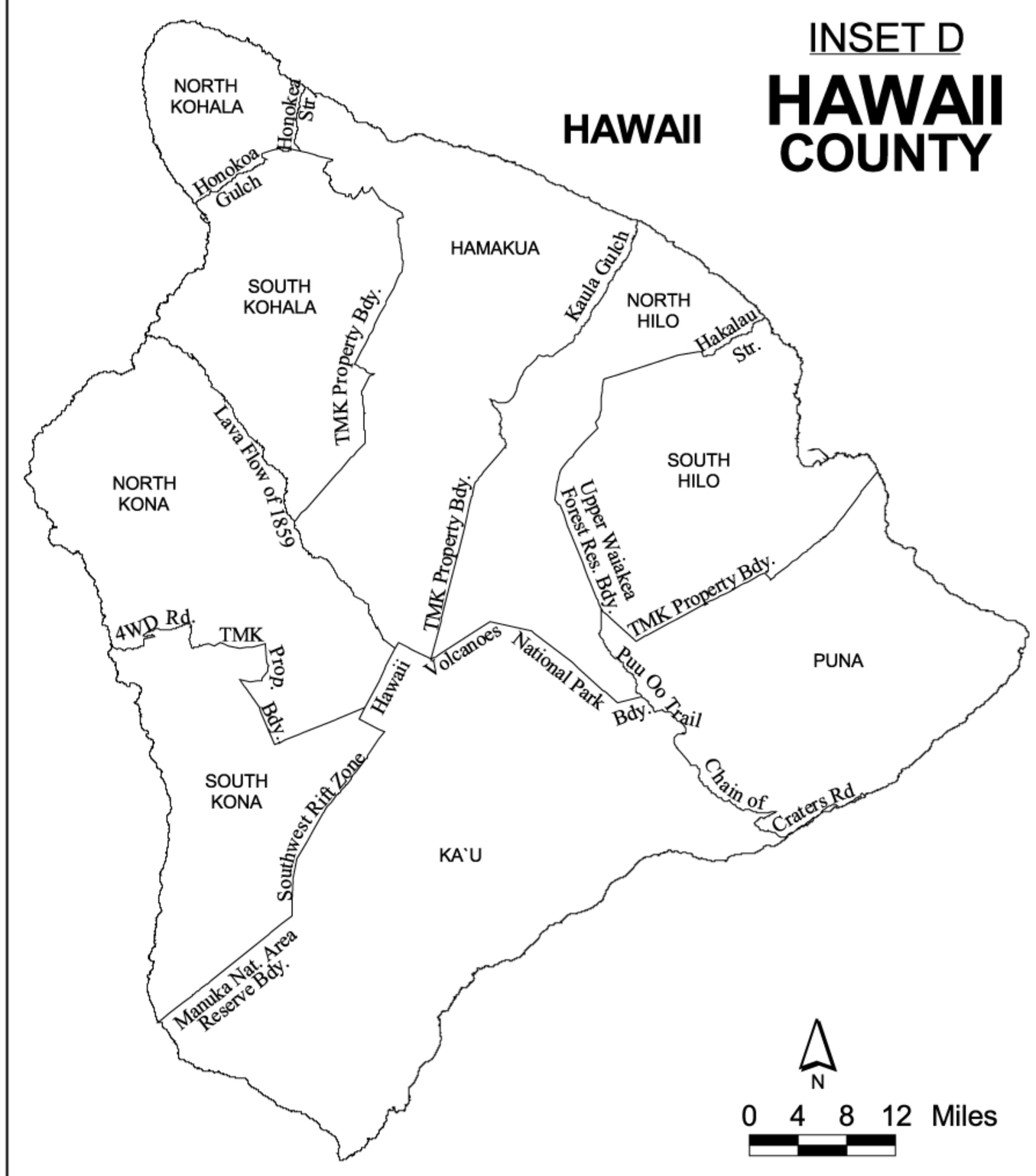






INSET D

HAWAII COUNTY



STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

OFFICE OF PLANNING

2001

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 l950. 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 --

(l) 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: 2002.*

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	91.6	101.0	20.3	3/ 39.3	56.9	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 Summary File 1 Hawaii (July 25, 2001) and Census 2000 Summary File 3 Hawaii (September 25, 2002).

Table 1.03-- RESIDENT POPULATION, BY MILITARY STATUS: 1990 TO 2002

[Excludes visitors present but includes residents temporarily absent]

Year	Total resident population 1/	Armed forces 2/	Civilian population		
			All civilians 1/	Military dependents 3/	Not military dependents 1/
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	4/ 54,130	4/ 1,080,561
1995: July 1	1,196,854	50,729	1,146,125	4/ 46,311	4/ 1,099,814
1996: July 1	1,203,755	47,986	1,155,769	4/ 54,882	4/ 1,100,887
1997: July 1	1,211,640	44,542	1,167,098	4/ 55,082	4/ 1,112,016
1998: July 1	1,215,233	44,984	1,170,249	4/ 60,022	4/ 1,110,227
1999: July 1	1,210,300	41,361	1,168,939	4/ 43,950	4/ 1,124,989
2000: April 1	1,211,537	39,036	1,172,501	4/ 43,090	4/ 1,129,411
July 1	1,212,670	40,796	1,171,874	4/ 45,053	4/ 1,126,821
2001: July 1	1,227,024	42,449	1,184,575	4/ 52,906	4/ 1,131,669
2002: July 1	1,244,898	43,618	1,201,280	49,044	1,152,236

1/ Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures. The revisions were released April 19, 2002. Population estimates after 1999 were based on data released December 20, 2002 and may differ somewhat from earlier figures cited in other tables. Figures for "all civilians" and for "civilian population - not military dependent" may also differ from earlier figures as a result of these population revisions.

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, Population Division, Table ST-2002EST-01 - State Population Estimates: April 1, 2000 to July 1, 2002 (December 20, 2002) <http://eire.census.gov/popest/data/states/tables/ST-EST2002-01.php> accessed December 20, 2002 and decennial censuses; Hawaii State Department of Business, Economic Development & Tourism, annual survey of local commanding officers; and the U.S. Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, *Worldwide Manpower Distribution by Geographical Area* (quarterly) <http://web1.whs.osd.mil/mmid/pubs.htm> accessed August 4, 2003.

Table 1.04-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 1990 TO 2002

Year	Resident population 1/		De facto population 3/		De facto-resident ratio
	Total	Temporarily absent 2/	Total	Visitors present 4/	
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	1,212,670	46,151	1,335,156	168,637	1.101
2001 July 1	1,227,024	46,566	1,338,705	158,247	1.091
2002 July 1	1,244,898	46,757	1,362,713	164,572	1.095

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.

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 <http://eire.census.gov/popest/estimates.php> accessed December 31, 2002; 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 2002

[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 1/	City and County of Honolulu	Hawaii County	Kauai County	Maui County 2/
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	1,212,670	875,881	149,261	58,560	128,968
2001: July 1	1,227,024	884,176	151,709	59,105	132,034
2002: July 1	1,244,898	896,019	154,794	59,946	134,139

1/ Population estimates after April 1, 2000 are based on revisions released in April 2003 and may differ somewhat from earlier figures cited in other tables.

2/ Including Kalawao County (Kalaupapa Settlement). Kalawao had 130 in 1990, 147 in 2000, and 132 in 2002.

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 <http://eire.census.gov/popest/data/counties/tables/CO-EST2002/CO-EST2002-01-15.php> accessed April 17, 2003.

Table 1.07-- DE FACTO POPULATION, BY COUNTIES: 1980 TO 2002

[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	1,335,156	925,444	166,446	74,726	168,540
2001: July 1	1,338,705	928,134	168,150	73,970	168,451
2002: July 1	1,362,713	942,193	172,468	75,246	172,806

1/ Including Kalawao County (Kalaupapa Settlement). The 2002 de facto population of Kalawao was 132.

Source: U.S. Census Bureau, Federal-State Cooperative Program for Population Estimates; <http://eire.census.gov/popest/data/counties/tables/CO-EST2002/CO-EST2002-01-15.php> accessed September 17, 2003; Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch <http://www.hawaii.gov/dbedt/latest.html> accessed September 17, 2003; 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	Percent change 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)
Paauilo	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 2002

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

Comparison 1/	Resident population, 2002	Ranking		
		Population 2/		Percent change, 2000-2002 3/
		2000	2002	
State of Hawaii:				
Among the 50 States and D.C.	1,244,898	42	42	17
Among the 50 States	1,244,898	42	42	17
Honolulu MSA: 4/	5/ 896,019			
Among all MSAs and CMSAs	5/ 896,019	56	(NA)	(NA)
City and County of Honolulu: 6/				
Among all counties	896,019	48	48	7/ 796
Among all incorporated places	896,019	12	12	107
Honolulu CDP: 8/				
Among all incorporated places	378,155	47	45	131
Hawaii County 9/	154,794	363	351	394
Kalawao County 9/	132	3,140	10/ 3,140	10/ 3,139
Kauai County 9/	59,946	818	814	701
Maui County 9/	134,007	422	416	320

Footnotes and source on next page.

Table 1.12-- POPULATION RANKING OF THE STATE, HONOLULU, AND COUNTIES: 2000 AND 2002 -- Con.

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 2000-2002 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/ Latest MSA figures for the United States were for April 1, 2000. Figure displayed is the July 1, 2002 population estimate for the City and County of Honolulu. See footnote 4.

6/ The City and County of Honolulu consists of Oahu and the Northwestern Hawaiian Islands (except Midway). There are 3,141 U.S. counties and 242 incorporated places with a population of over 100,000.

7/ Tied with two other states.

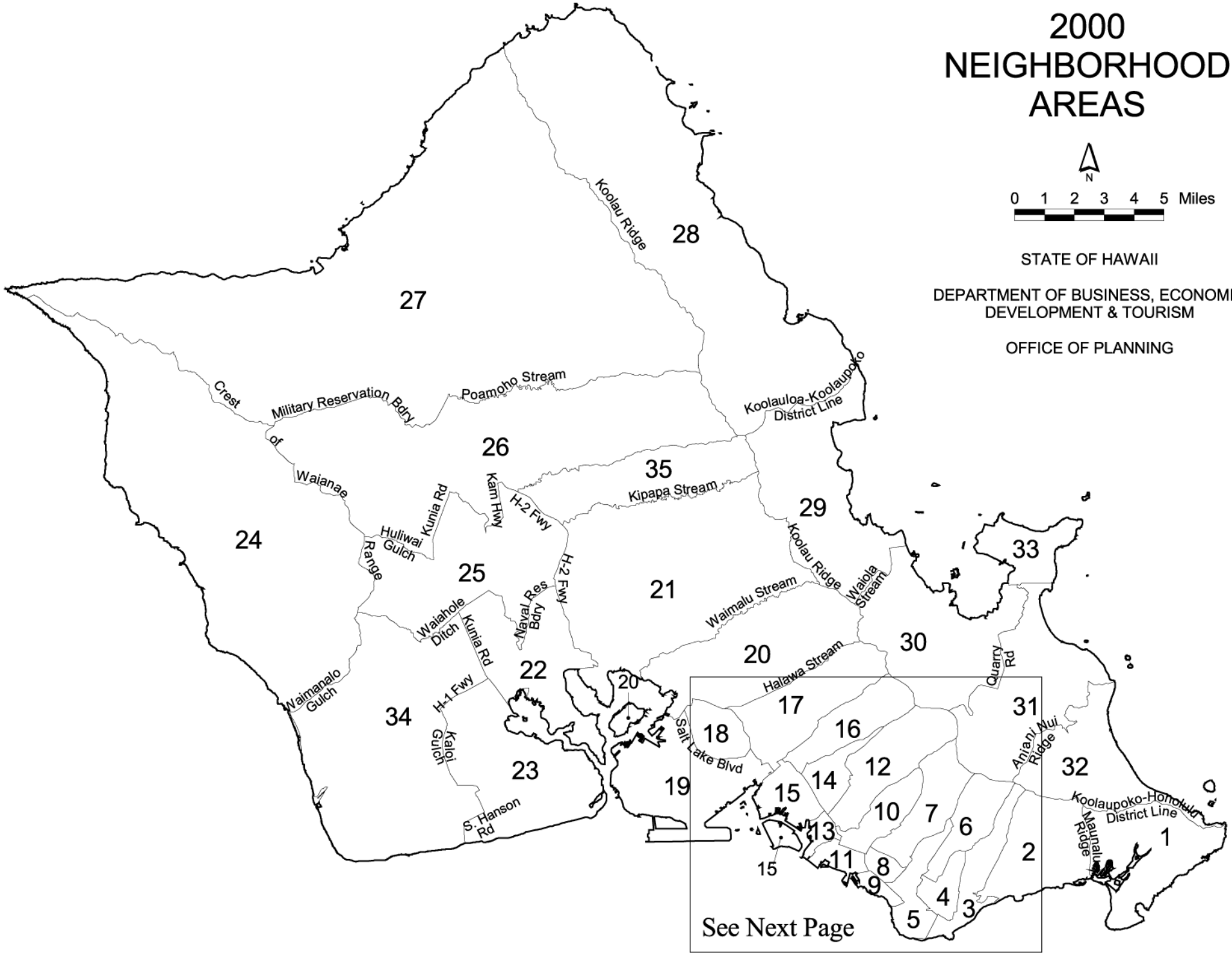
8/ The Honolulu CDP consists of Honolulu District, comprising the area between Red Hill and Makapuu Point, south and southwest of the crest of the Koolau Mountains, and the Northwestern Hawaiian Islands (except Midway). Honolulu and Arlington are the only CDPs for which postcensal population estimates are calculated by the U.S. Census Bureau. There are 242 incorporated places with a population of over 100,000.

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

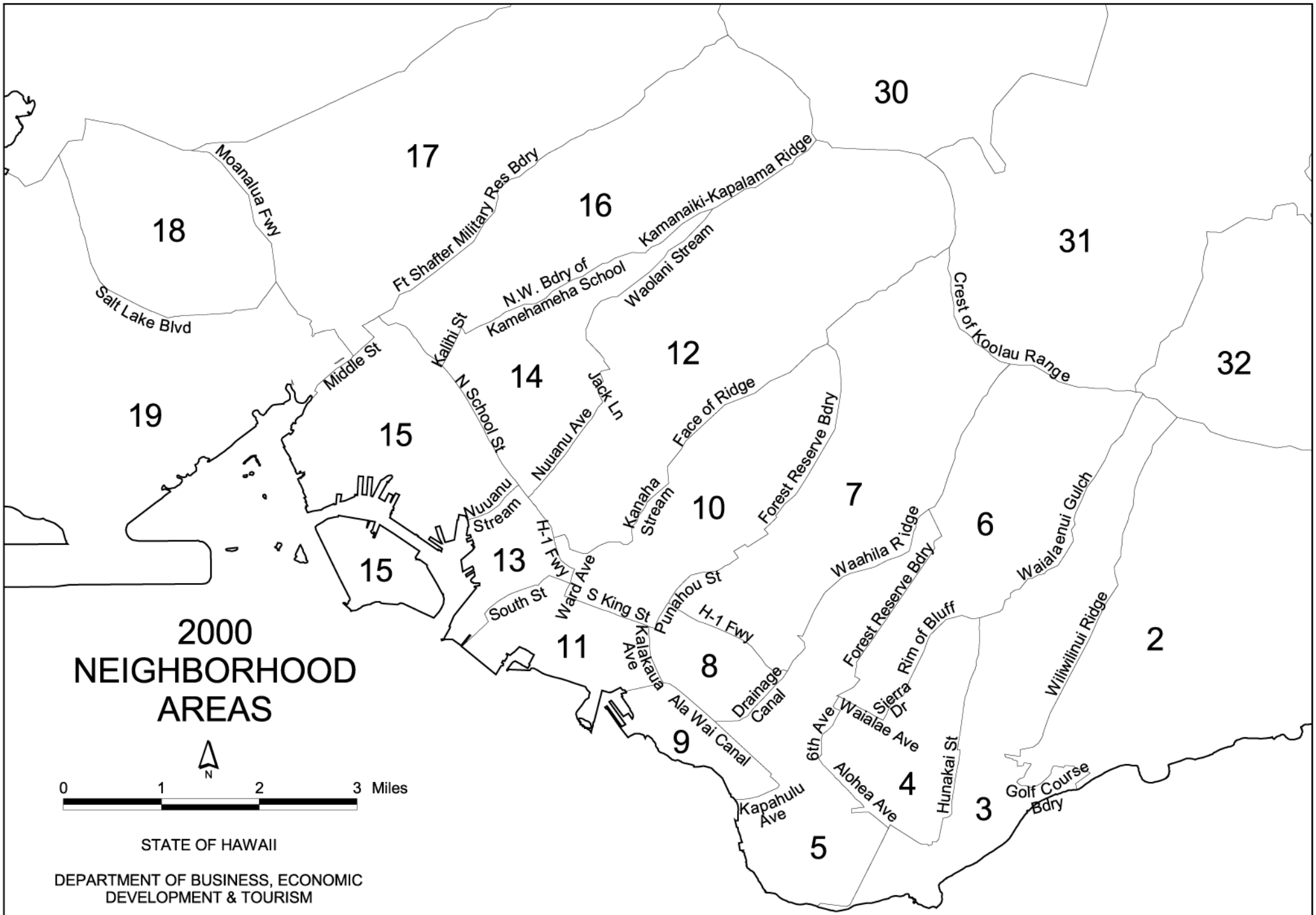
10/ Kalawao County has the second lowest county population in the United States. The county with the lowest population is Loving, Texas with a population of 64. Kalawao County has the third lowest growth rate with Lake and Peninsula Borough, Alaska and Stonewall County, Texas having the second lowest and the lowest growth rates, respectively.

Source: U.S. Census Bureau, Population Division <http://eire.census.gov/popest/estimates.php> accessed July 14, 2003.

2000 NEIGHBORHOOD AREAS



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 .



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 -- Con.

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

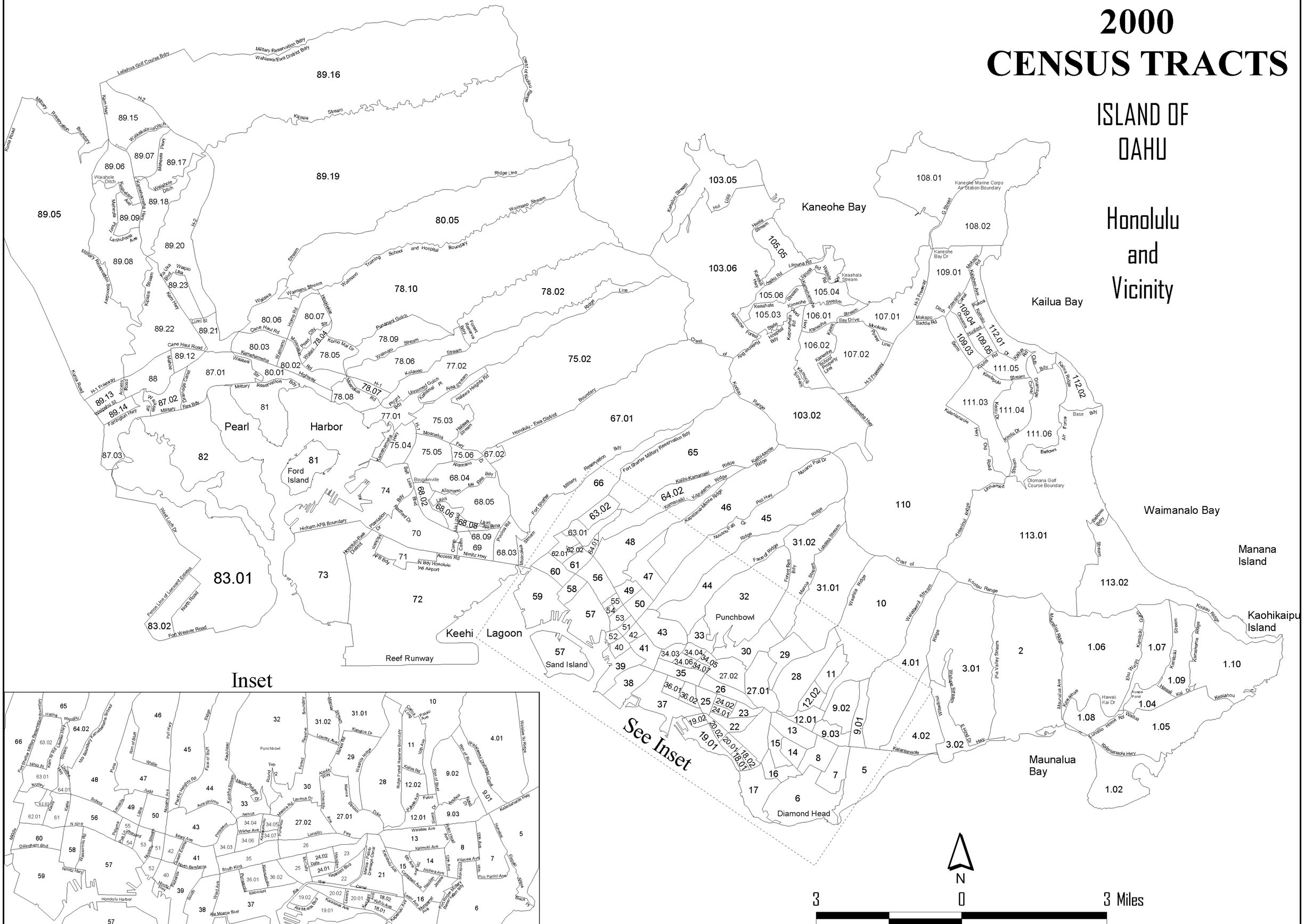
ISLAND OF OAHU

Prepared by Office of Planning, Dept. of Business, Economic Development and Tourism, State of Hawaii

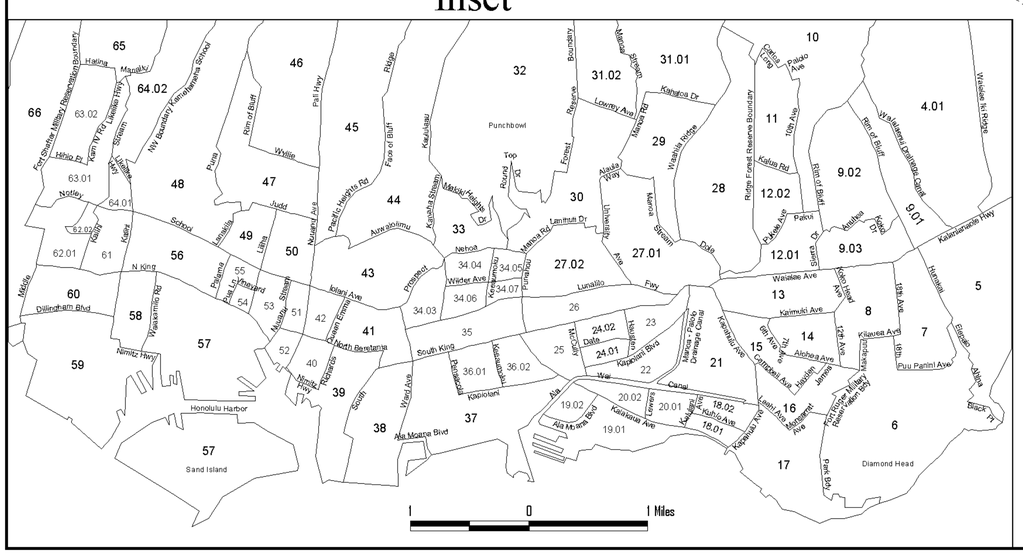
2000 CENSUS TRACTS

ISLAND OF OAHU

Honolulu and Vicinity

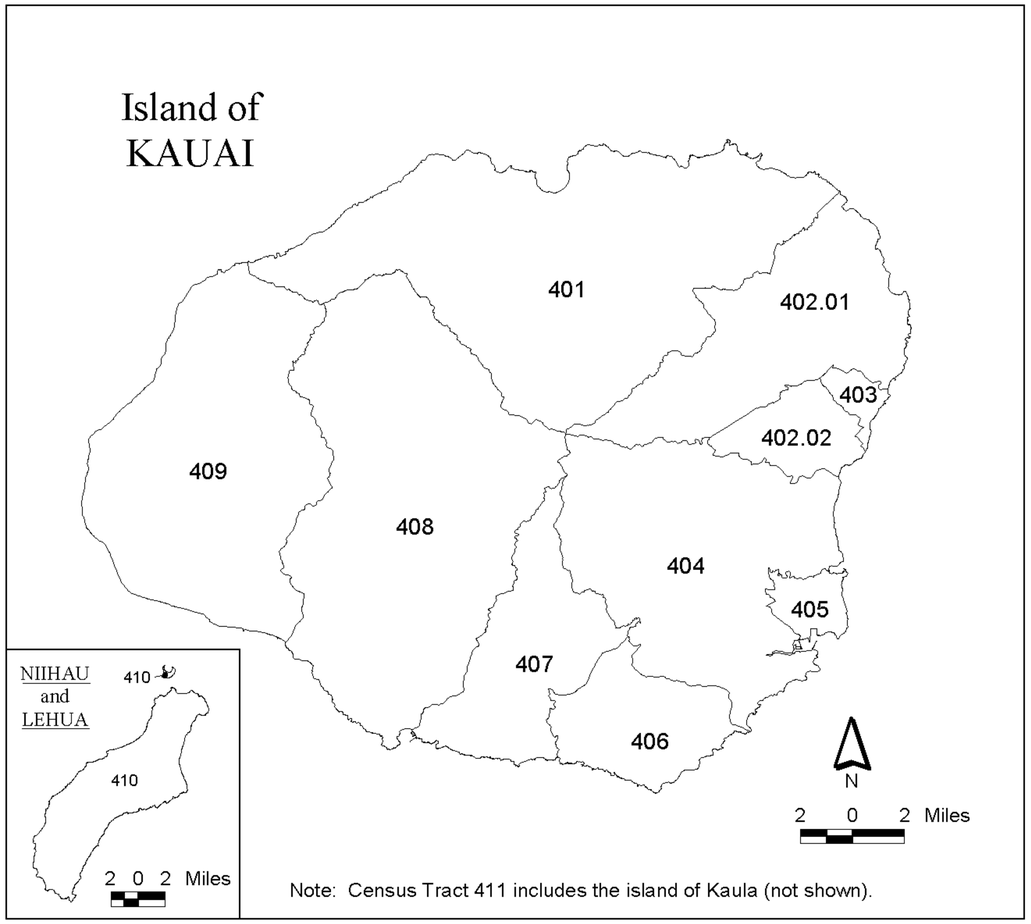


Inset

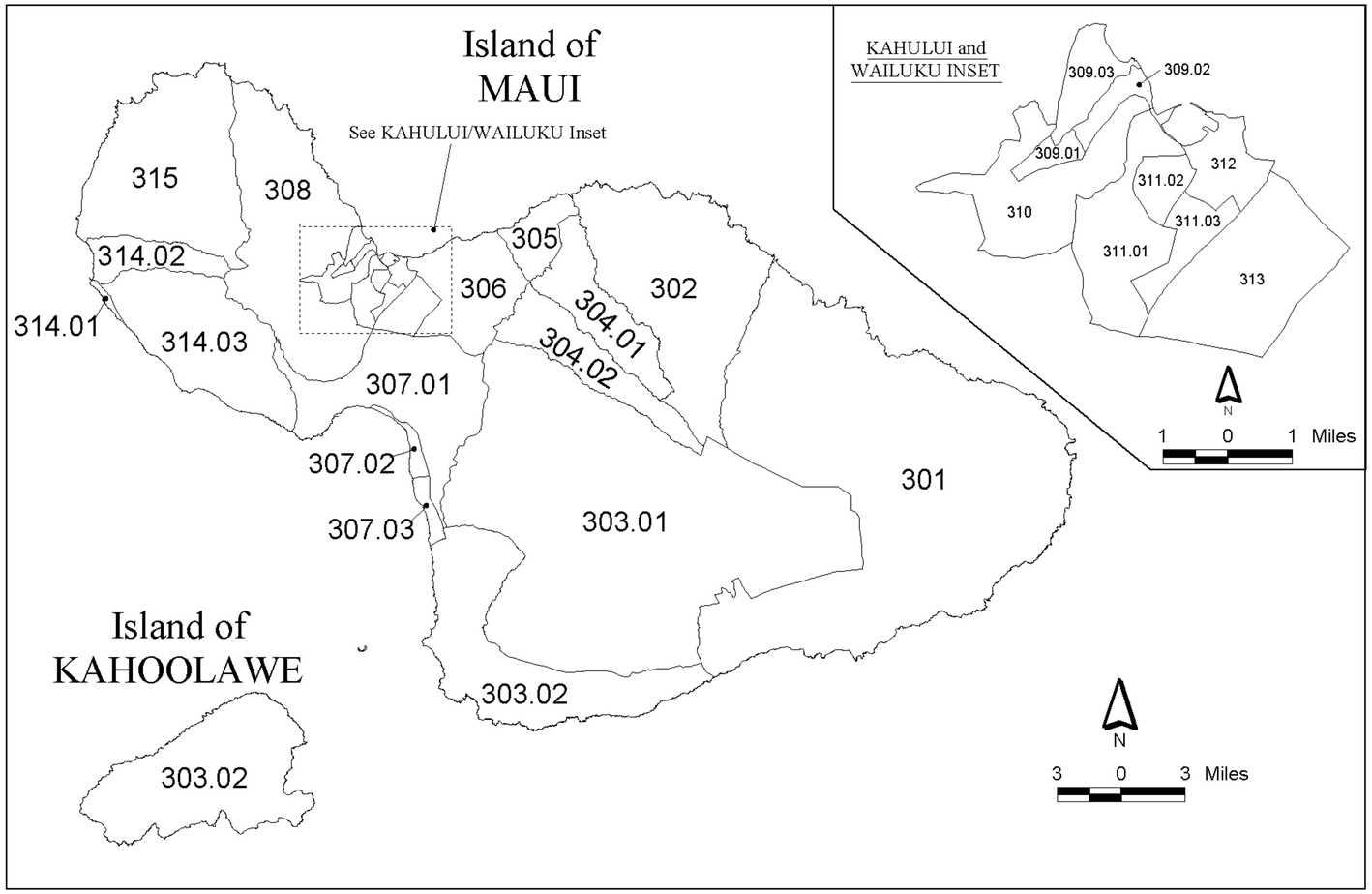


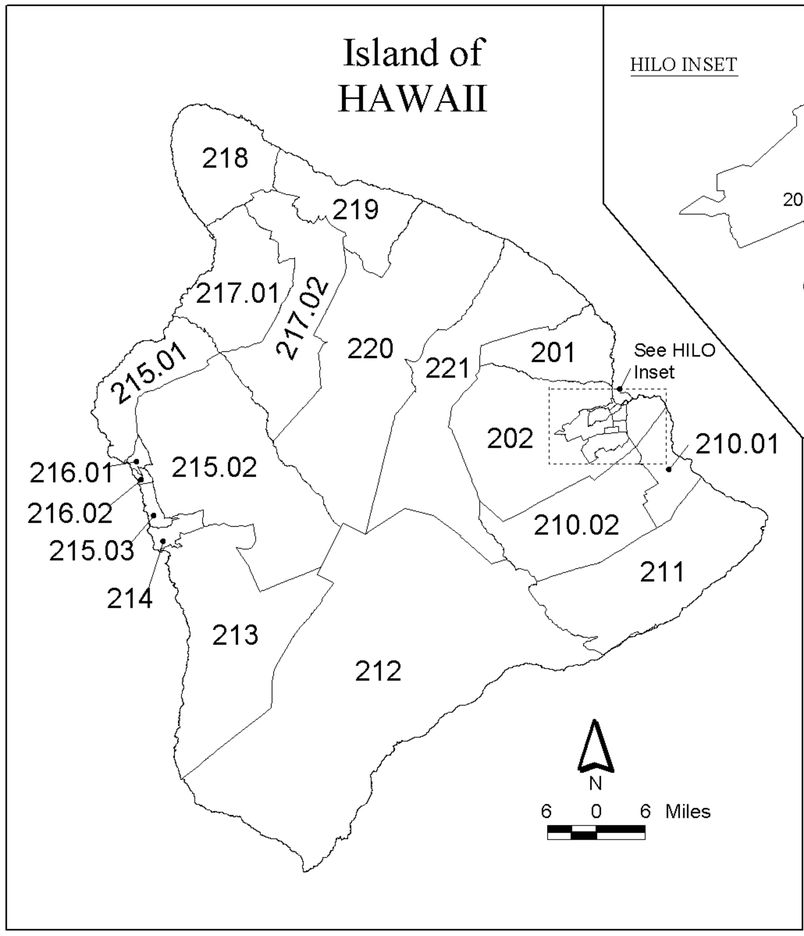
Note: Census Tract 114.98 (not shown) consists of the Northwestern Hawaiian Islands, exclusive of Midway Islands.

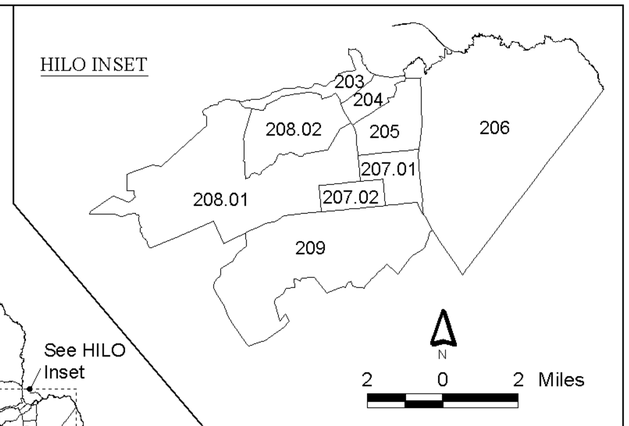
Prepared by Office of Planning, Dept. of Business, Economic Development and Tourism, State of Hawaii

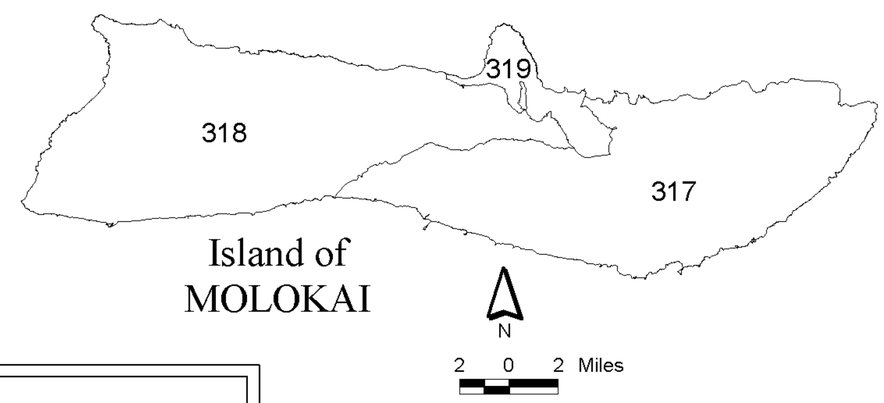


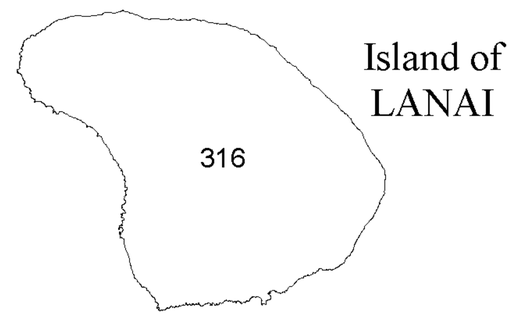
Note: Census Tract 411 includes the island of Kaula (not shown).











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 Waialae-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 -- Con.

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/	Lunalilo Park Subdivision		2,171
	1.09 3/	Kamiloiki-Kamehame		2,639
1.04			8,376	
	1.10 3/	Kalama Valley		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			5,617	
	3.02 3/	Wailupe		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/	Sheridan Street	-	2,386
36.97			2,369	
36.98	36.02 3/	Kaheka Street	5,235	4,961
37	37	Ala Moana	2,325	3,745
38	38	Kakaako	721	2,871
39	39	Civic Circle	181	1,690
40	40	Central Business District	991	1,295
41	41	Queen's Hospital	4,742	4,610
42	42	Queen Emma Gardens	2,672	2,609
43	43	Puowaina	5,632	5,473
44	44	Pauoa	5,429	5,173
45	45	Pacific Heights-Dowsett	5,264	5,218
46	46	Puunui-Nuuanu	3,687	3,640

Continued on next page.

Table 1.15-- 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/	Iwilei-Anuenue	1,867	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
68.07	68.08 3/	Ala Ilima High Rise-Mauka	10,084	4,638
	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
78.03	78.09 3/	Newtown	9136	3,873
	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	84.01 3/	Ewa Gentry-East	9,677	3,300
	84.02 3/	Ewa Beach		8,087
	84.03 3/	Ocean Pointe		2,249
	84.04 3/	Ewa Gentry-West		8,690
85	85 4/	Barbers Point	4,529	1,311
86.98 (pt.)			(NA)	
86.99			23	

Continued on next page.

Table 1.15-- 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
89.01	89.13 3/	Robinson Heights	8,084	3,750
	89.14 3/	Punawai		4,311
89.04	89.15 3/	Waipio Acres	5,183	5,219
	89.16 3/	Mililani Mauka		11,181
89.10	89.17 3/	Mililani Town Center--Makaunulau	10,444	4,879
	89.18 3/	Mililani-Nob Hill		5,768
89.11	89.19 3/	Waiawa	11,893	-
	89.20 3/	Waipio Gentry Industrial-Koa Ridge Makai		4,704
	89.21 3/	Seaview-Crestview		2,568
	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
Waialua			11,549	14,027
99.01	99.01	Waialua-Mokuleia	5,792	5,731
99.02	99.02	Haleiwa	3,956	3,958
100	100	Haleiwa-Kawailoa	1,801	4,338
Koolauloa			18,443	18,899
101	101	Waimea-Kahuku	6,909	7,487
102.01	102.01	Hauula-Kaaawa	4,608	5,312
102.02	102.02	Laie	6,926	6,100
Koolaupoko			117,694	117,994
103.02	103.02	Kapunahala	3,745	3,398
103.03	103.03	Waiahole Forest Reserve	4,660	4,537
103.05	103.05	Okana- Puu Maelieli	4,663	4,894
103.06	103.06	Ahuimanu- Haiku	6,562	6,480
105.03	105.03	Kaneohe Playground	2,111	1,991
105.04	105.04	Waikalua Road	5,373	5,153
105.05	105.05	Heeia Kea	3,612	3,512
105.06	105.06	Windward Mall	7,804	8,001

Continued on next page.

Table 1.15-- 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	108.01 3/	Mokapu-West	11,662	3,906
	108.02 3/	Mokapu-East		7,921
109.01	109.01	Puu Papaa	3,208	3,161
109.03	109.03	Oneawa-Kawainui	4,253	4,186
109.04	109.04	Kalama Street	3,391	3,404
109.05	109.05	Ulupaina Street	2,568	2,527
110	110	Maunawili-Kawainui	3,910	3,614
111.03	111.03	Olomana	3,884	4,050
111.04	111.04	Enchanted Lakes	4,937	4,797
111.05	111.05	Kailua Mall	3,732	3,790
111.06	111.06	Keolu Hills	5,774	5,774
112.01	112.01	Kalaheo Avenue	4,687	4,539
112.02	112.02	Lanikai	1,536	1,765
113.01	113.01	Waimanalo	4,859	5,775
113.02	113.02	Waimanalo Beach-Homesteads	4,196	4,386

pt. Part.

NA Not available.

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

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

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

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

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

Table 1.16-- 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/	Hilo: Keaukaha-Panaewa	3,902	4,909
206.99			-	
207.01	207.01	Hilo: Puainako	4,399	4,535
207.02	207.02	Hilo: Kawailani	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/	Kaumalumau-Kealakekua	104	4,095
215.98			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/	Kailua	9,661	5,987
	216.02 1/	Kahului-Kaumalumalu		5,268
South Kohala			9,140	13,131
217	217.01 1/	Kawaihae-Waikoloa	9,140	6,015
	217.02 1/	Waimea-Puu Anahulu		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	Paauhau-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			8,372	
	309.03 1/	North Wailuku		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			9,189	
	314.03 1/	South Lahaina		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.):			
				Waimanu	-	-	-
Hawaii	4,522	1,965	3,538	Waiohinu	-	-	-
Honokaia	-	-	-				
Honokohau	-	-	-	Maui	961	468	739
Honomu-Kuhua	8	-	3	Kahikinui	12	-	4
Humuula	-	-	-	Keanae	-	-	-
Kalaoa	-	-	-	Kula	45	5	12
Kamaoa-Puueo	29	15	25	Lahaina	-	-	-
Kamoku-Kapulena	39	-	7	Paukukalo	753	384	616
Kaniohale	602	260	504	Puunene	-	-	-
Kaumana	-	-	-	Ulupalakua	1	-	1
Kawaihae	103	38	69	Waiehu	150	79	106
Kealakehe	-	-	-	Wailua	-	-	-
Keaukaha	1,454	761	1,258	Wailuku	-	-	-
Keoniki	-	-	-				
Lalamilo	-	-	-	Kahoolawe	-	-	-
Makuu	59	14	38				
Nienie	60	11	14	Lanai	-	-	-
Olaa	18	-	4				
Panaewa	1,362	564	1,055	Molokai	1,741	1,022	1,453
Pauahi	10	-	4	Hoolehua-Palaau	1,086	668	952
Pihonua	7	-	-	Kalamaula	232	108	186
Ponohawai	117	25	97	Kalaupapa	122	55	56
Puna	-	-	-	Kamiloloa	56	16	40
Puukapu	629	273	451	Kapaakea	204	162	198
Waiakea	15	4	9	Makakupia	35	13	16
Waikoloa-Waialeale	8	-	-	Ualapue	6	-	5
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	Population total	Native Hawaiian		Island and Hawaiian Home Land	Population total	Native Hawaiian	
		Race alone	Race alone or in combination			Race alone	Race alone or in combination
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
Moiliili	-	-	-	Kapaa	4	-	-
Nanakuli	5,099	2,382	4,429	Kekaha	225	104	184
Shafter Flats	-	-	-	Moloaa	-	-	-
				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
State total		1,211,537
Hawaii		
96704	Captain Cook	6,617
96710	Hakalau	370
96718	Hawaii National Park	29
96719	Hawi	2,615
96720	Hilo (Main Office)	42,916
96725	Holualoa	2,956
96727	Honokaa	4,435
96728	Honomu	587
96737	Ocean View	2,112
96738	Waikoloa	5,269
96740	Kailua-Kona	25,132
96743	Kamuela	8,546
96749	Keaau	11,553
96750	Kealakekua	2,629
96755	Kapaau	2,973
96760	Kurtistown	2,070
96764	Laupahoehoe	795
96771	Mountain View	4,410
96772	Naalehu	1,930
96773	Ninole	182
96774	Ookala	187
96776	Paauilo	1,396
96777	Pahala	1,466
96778	Pahoa	10,653
96780	Papaaloa	524
96781	Papaikou	1,573
96783	Pepeekeo	1,895
96785	Volcano	2,855
Maui		
96708	Haiku	8,595
96713	Hana	1,612
96732	Kahului	19,390
Maui (con.):		
96753	Kihei	22,437
96761	Lahaina (Main Office)	18,518
96768	Makawao/ Pukalani	15,877
96779	Paia	2,753
96790	Kula	6,690
96793	Wailuku	21,762
Lanai		
96763	Lanai City	3,189
Molokai		
96729	Hoolehua	1,075
96742	Kalaupapa	147
96748	Kaunakakai	4,692
96757	Kualapuu	858
96770	Maunaloa	630
Oahu		
96701	Aiea	41,423
96706	Ewa Beach	43,874
96707	Kapolei	25,054
96712	Haleiwa	7,699
96717	Hauula	5,063
96730	Kaawa	1,543
96731	Kahuku	2,716
96734	Kailua	51,081
96744	Kaneohe	54,415
96759	Kunia	667
96762	Laie	4,883
96782	Pearl City	37,879
96786	Wahiawa	41,605
96789	Mililani Town	45,093
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		96751	Kealia	209
	(P.O. Box)	54,856	96752	Kekaha	2,930
96819	Kapalama	47,299	96754	Kilauea	2,075
96821	Waialae Kahala	18,655	96756	Koloa	5,312
96822	Makiki	43,921	96766	Lihue	12,011
96825	Hawaii Kai	27,657	96769	Makaweli	638
96826	Makiki	31,187	96796	Waimea	2,205
96862	(NA)	-			
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	9,898	14,136.3	12,645.4
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, 1970-1980, 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 Census 2000 Summary File 3 (September 25, 2002); and *Data Book 1987,* table 380.

Table 1.20-- POPULATION AND LAND AREA, URBAN AND RURAL, BY COUNTIES: 2000

[Based on "urban" area criteria used prior to 2002]

Subject	State total	Honolulu	Hawaii	Kauai	Maui 1/
Land area (square miles)	6,422.6	599.8	4,028.0	622.4	1,172.4
Urban	(NA)	(NA)	(NA)	(NA)	(NA)
Rural	(NA)	(NA)	(NA)	(NA)	(NA)
Resident population	1,211,537	876,156	148,677	58,463	128,241
Urban	1,109,179	862,498	86,965	47,512	112,204
Percent 2/	91.6	98.4	58.5	81.3	87.5
Rural	102,358	13,658	61,712	10,951	16,037
Percent 2/	8.4	1.6	41.5	18.7	12.5

NA Not available.

1/ Maui County includes Kalawao County.

2/ Percent of state population for "state total" column; percent of county population for all other columns.

Source: U.S. Census Bureau, Census 2000 Redistricting Data (P.L. 94-171), Census 2000 Summary File 3, and records.

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/	1,211,535	39,035	1,172,500	43,090	1,129,410	82,125

NA Not available.

1/ Figures for Armed Forces, military dependents and other civilians were obtained from a special tabulation of the census data. As a result, they are subject to rounding rules used in all special tabulations from the Census Bureau. The rounding rules sometimes cause figures from the special tabulations to differ from those obtained from the regular Census 2000 datasets. The figure for total resident population from the Census 2000 Summary File 1 was 1,211,537 and the Armed Forces population from the Census 2000 Summary File 3 was 39,036. Both of these figures differ from the numbers obtained in the special tabulation. Figures for 2000 in this table were obtained from the special tabulation so data for total resident population, Armed Forces, and all civilians differ from the figures presented in last year's *Data Book.*

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

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/2025/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: 2000 AND 2001

[Includes armed forces stationed or homeported in Hawaii. The 2001 estimates are provisional]

Age group	April 1, 2000			July 1, 2001		
	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,211,537	608,671	602,866	1,227,024	615,444	611,580
Under 5 years	78,163	40,110	38,053	80,433	41,256	39,177
5 to 9 years	84,980	43,739	41,241	81,932	42,234	39,698
10 to 14 years	83,106	42,740	40,366	83,786	42,973	40,813
15 to 19 years	81,002	42,200	38,802	83,676	43,918	39,758
20 to 24 years	83,409	45,709	37,700	83,457	45,615	37,842
25 to 29 years	84,000	44,016	39,984	81,311	42,663	38,648
30 to 34 years	87,159	44,391	42,768	86,884	44,368	42,516
35 to 39 years	95,935	48,760	47,175	94,219	47,603	46,616
40 to 44 years	95,242	47,817	47,425	95,746	47,869	47,877
45 to 49 years	90,404	45,130	45,274	92,360	46,025	46,335
50 to 54 years	80,575	40,523	40,052	84,467	42,305	42,162
55 to 59 years	60,561	29,905	30,656	65,994	32,641	33,353
60 to 64 years	46,400	22,293	24,107	48,472	23,418	25,054
65 to 69 years	42,847	19,503	23,344	42,387	19,425	22,962
70 to 74 years	42,415	18,919	23,496	42,069	18,462	23,607
75 to 79 years	35,386	16,020	19,366	36,511	16,457	20,054
80 to 84 years	22,389	9,626	12,763	24,176	10,333	13,843
85 and over	17,564	7,270	10,294	19,144	7,879	11,265
5 to 17	217,604	112,115	105,489	214,422	110,417	104,005
18 to 24	114,893	62,273	52,620	118,429	64,323	54,106
25 to 44	362,336	184,984	177,352	358,160	182,503	175,657
45 to 64	277,940	137,851	140,089	291,293	144,389	146,904
16 years and over	949,184	473,683	475,501	964,840	480,736	484,104
18 years and over	915,770	456,446	459,324	932,169	463,771	468,398
21 years and over	867,329	430,630	436,699	880,549	435,948	444,601
65 years and over	160,601	71,338	89,263	164,287	72,556	91,731
85 years and over	17,564	7,270	10,294	19,144	7,879	11,265
Median age	36.2	35.1	37.4	36.8	35.5	38.0
Mean age	37.0	36.1	38.0	37.4	36.3	38.4

Source: U.S. Census Bureau, Population Division, "Table 2. Hawaii Population Estimates by Age and Sex: April 1, 2000 to July 1, 2002" <http://eire.census.gov/popest/data/states/tables/ST-EST2002-ASRO-02-15.xls> and download dataset at <http://eire.census.gov/popest/data/states/stasro.php?PHPSESSID=de6ce7fac03987d993f81d48371eccd7> accessed September 18, 2003.

Table 1.28-- RESIDENT POPULATION, BY AGE AND SEX: 2000 AND 2002

[Includes armed forces stationed or homeported in Hawaii. The 2002 estimates are provisional]

Age group	April 1, 2000			July 1, 2002		
	Both sexes	Male	Female	Both sexes	Male	Female
Total	1,211,537	608,671	602,866	1,244,898	624,098	620,800
Under 5 years	78,163	40,110	38,053	83,507	42,830	40,677
5 to 9 years	84,980	43,739	41,241	79,610	40,845	38,765
10 to 14 years	83,106	42,740	40,366	83,999	43,220	40,779
15 to 19 years	81,002	42,200	38,802	85,271	44,987	40,284
20 to 24 years	83,409	45,709	37,700	86,172	47,186	38,986
25 to 29 years	84,000	44,016	39,984	81,211	42,721	38,490
30 to 34 years	87,159	44,391	42,768	87,106	44,504	42,602
35 to 39 years	95,935	48,760	47,175	92,895	46,764	46,131
40 to 44 years	95,242	47,817	47,425	96,502	48,343	48,159
45 to 49 years	90,404	45,130	45,274	93,494	46,276	47,218
50 to 54 years	80,575	40,523	40,052	87,109	43,582	43,527
55 to 59 years	60,561	29,905	30,656	70,141	34,707	35,434
60 to 64 years	46,400	22,293	24,107	50,971	24,747	26,224
65 to 69 years	42,847	19,503	23,344	42,163	19,420	22,743
70 to 74 years	42,415	18,919	23,496	41,493	17,950	23,543
75 to 79 years	35,386	16,020	19,366	37,348	16,799	20,549
80 to 84 years	22,389	9,626	12,763	25,553	10,872	14,681
85 and over	17,564	7,270	10,294	20,353	8,345	12,008
5 to 17	217,604	112,115	105,489	212,007	109,095	102,912
18 to 24	114,893	62,273	52,620	123,045	67,143	55,902
25 to 44	362,336	184,984	177,352	357,714	182,332	175,382
45 to 64	277,940	137,851	140,089	301,715	149,312	152,403
16 years and over	949,184	473,683	475,501	981,627	488,892	492,735
18 years and over	915,770	456,446	459,324	949,384	472,173	477,211
21 years and over	867,329	430,630	436,699	894,378	442,262	452,116
65 years and over	160,601	71,338	89,263	166,910	73,386	93,524
85 years and over	17,564	7,270	10,294	20,353	8,345	12,008
Median age	36.2	35.1	37.4	37.0	35.7	38.3
Mean age	37.0	36.1	38.0	37.5	36.5	38.6

Source: U.S. Census Bureau, Population Division, "Table 2. Hawaii Population Estimates by Age and Sex: April 1, 2000 to July 1, 2002" <http://eire.census.gov/popest/data/states/tables/ST-EST2002-ASRO-02-15.xls> and download dataset at <http://eire.census.gov/popest/data/states/stasro.php?PHPSESSID=de6ce7fac03987d993f81d48371eccd7> accessed September 18, 2003.

Table 1.29-- 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 1.30-- RESIDENT POPULATION, BY AGE AND SEX, BY COUNTIES: 2002

[Revised figures as of September 2003]

Age group	State total	City and County of Honolulu	Other counties		
			Hawaii	Kauai	Maui 1/
Total persons	1,244,898	896,019	154,794	59,946	134,139
Under 5	83,507	60,421	10,090	3,713	9,283
5 to 13	147,382	102,766	20,503	7,743	16,370
14 to 17	64,625	43,729	9,649	3,684	7,563
18 to 24	123,045	90,622	15,355	5,266	11,802
16 years and over	981,627	710,911	119,368	46,598	104,750
18 years and over	949,384	689,103	114,552	44,806	100,923
15 to 44	529,157	389,658	60,064	23,067	56,368
65 years and over	166,910	122,463	20,875	8,278	15,294
85 years and over	20,353	14,956	2,428	1,110	1,859
Under 18 years	295,514	206,916	40,242	15,140	33,216
18 to 64 years	782,474	566,640	93,677	36,528	85,629
65 years and over	166,910	122,463	20,875	8,278	15,294
Percent:					
Under 18 years	23.7	23.1	26.0	25.3	24.8
18 to 64 years	62.9	63.2	60.5	60.9	63.8
65 years and over	13.4	13.7	13.5	13.8	11.4

1/ Includes Kalawao.

Source: U.S. Census Bureau, Population Division, "Hawaii County Population Estimates by Selected Age Categories and Sex: July 1, 2002"
<http://eire.census.gov/popest/data/counties/tables/CO-EST2002-ASRO-01-15.pdf>
accessed September 18, 2003.

TABLE 1.31-- DIFFERENCE IN POPULATION BY MAJOR RACES: 1990 AND 2000

Subject	1990 Census		2000 Census		Difference between 1990 and 2000			
					Using race alone for Census 2000		Using race alone or in combination for Census 2000	
	Number	Percent of total population	Race alone 1/	Race alone or in combination 2/	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 1.32-- 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 1.33-- 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 combin-ation
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 1.34-- DIFFERENCE IN POPULATION BY DETAILED ASIAN RACE: 1990 AND 2000

Subject	1990 Census		2000 Census		Difference between 1990 and 2000			
					Using race alone for Census 2000		Using race alone or in combination for Census 2000	
	Number	Percent of total population	Race alone 1/	Race alone or in combination 2/	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 1.35-- 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			
					Using race alone for Census 2000		Using race alone or in combination for Census 2000	
	Number	Percent of total population	Race alone 1/	Race alone or in combination 2/	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
Samoan	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	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 1.36-- ETHNIC STOCK BY COUNTIES: 2002

[Excludes persons in institutions, military barracks, households without telephones, the homeless, and Ni`ihau. Weighted data based upon a sample survey of 15,516 persons. Because of updates by the Census Bureau for estimations of the population of Hawaii, the weighted numbers of the prior year's tables (2000 and 2001) are being revised]

Ethnic stock 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
All groups	1,200,697	855,774	152,227	59,241	133,455
Unmixed (except Hawaiian)	735,318	543,494	79,711	35,552	76,561
Caucasian	294,280	188,395	45,266	17,115	43,504
Black	18,989	18,165	575	68	181
Japanese	192,966	152,034	20,745	7,044	13,143
Chinese	47,854	45,574	1,082	356	842
Filipino	164,059	123,662	11,393	10,851	18,153
Korean	12,439	11,484	433	97	425
Samoan/Tongan	4,731	4,180	217	21	313
Mixed (except Hawaiian) 2/	220,067	153,894	31,630	11,158	23,385
Hawaiian/part Hawaiian	245,312	158,386	40,886	12,531	33,509

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 (48,486). The figure shown is the weighted figure. Tables in previous *Data Books* showed the unweighted figure in the footnote.

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

Table 1.37-- 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 combina-tion 2/	Race alone	Race alone or in combina-tion
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 1.38-- ANCESTRY: 2000

Ancestry group	Persons	Ancestry group	Persons
Total responses 1/	1,373,593	Norwegian	9,632
		Polish	10,770
Czech 2/	2,437	Portuguese	48,527
Danish	3,058	Russian	4,930
Dutch	7,221	Scotch-Irish	9,100
English	51,653	Scottish	13,014
French (except Basque) 2/	17,818	Swedish	8,985
German	70,384	United States or American	17,045
Irish 2/	53,005	Welsh	3,919
Italian	22,094	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 1.39-- 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 1.40-- 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	50,485
Midwest	60,236	68,961	59,874
South	58,189	67,570	60,914
West	83,629	102,376	108,618
Born outside United States	157,949	194,205	242,590
Puerto Rico	1,182	1,502	1,572
U.S. island areas (outlying area)	7,323	7,492	9,582
Born abroad of American parent(s)	12,428	22,507	19,207
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	1/ 917,212
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.

1/ Revised.

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 Summary File 3 Hawaii (September 2002).

Table 1.41-- LANGUAGE SPOKEN AT HOME BY PERSONS FIVE YEARS OLD AND OVER, BY AGE: 2000

Language spoken at home	Total	Less than 18 years	18 to 64 years	65 years and over
Persons 5 years and over	1,134,351	217,139	756,071	161,141
Speak English only	832,226	177,581	556,067	98,578
Other Pacific Islands 1/	90,111	16,323	61,478	12,310
Tagalog	60,967	6,264	44,658	10,045
Japanese	56,225	3,999	25,005	27,221
Chinese	29,363	3,835	19,137	6,391
Spanish and Spanish Creole	18,820	2,423	15,042	1,355
Korean	18,337	2,719	13,620	1,998
Vietnamese	8,270	1,731	6,029	510
German	3,986	296	2,966	724
French (incl. Patois, Cajun)	3,310	330	2,517	463
Laotian	1,920	484	1,340	96
Thai	1,496	229	1,231	36
Other Indo-European 2/	1,288	234	878	176
Portuguese and Portuguese Creole	1,238	99	845	294
All others 3/	6,794	592	5,258	944

1/ Other Pacific Islander languages which are not listed individually in footnote 3.

2/ Other Indo-European languages which are not listed individually in footnote 3.

3/ Includes the following languages: French Creole, Italian, Other West Germanic, Scandinavian, Greek, Hungarian, Hindi, Russian, Polish, Persian, Serbo-Croatian, Gujarathi, Urdu, Other Indic, Miao Hmong, Mon-Khmer-Cambodian, Other Asian, Navajo, Other Native American Language, Arabic, Hebrew, African languages, Yiddish, Other Slavic, Armenian, unspecificed languages and other languages.

Source: U.S. Census Bureau, Census 2000 Sample Data File; extracted by the Hawaii State Department of Business, Economic Development & Tourism, Hawaii State Data Center.

Table 1.42-- 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 1.43-- 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 1.44-- 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 1.45-- HOUSING UNITS, HOUSEHOLDS, AND PERSONS PER HOUSEHOLD: ANNUALLY, 1991 TO 2001

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

Date 1/	Housing units	Households	Persons per household
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
2000	461,830	(NA)	(NA)
2001	466,978	(NA)	(NA)

NA Not available.

1/ As of July 1 unless otherwise specified.

Source: U.S. Bureau of the Census, Population Division, *Estimates of Housing Units, Households, Households by Age of Householder, and Persons per Household of States: Annual Time Series, July 1, 1991 to July 1, 1998 (includes revised April 1 census housing and population counts),* ST-98-51 (December 8, 1999), at http://www.census.gov/population/estimates/housing/sthuhh6.txt and U.S. Census Bureau, Population Division, Table HU-EST2001-00 *Time Series of State Housing Unit Estimates: April 1, 2000 to July 1, 2001* (December 20, 2002) <http://eire.census.gov/popest/data/household/tables/HU-EST2001-00.php> accessed December 27, 2002.

Table 1.46-- 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 1.47-- 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 1.48-- 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 1.49 -- MARRIED COUPLES, UNMARRIED COUPLES, AND SUBFAMILIES: 1970 TO 2000

Subject	1970	1980	1990	2000
Married couples	154,678	198,398	227,853	235,835
Married couple families 1/	147,326	188,933	215,835	220,144
Married couple subfamilies 2/	7,352	9,465	12,018	15,691
Percent	4.8	4.8	5.3	6.7
Unmarried couples	(NA)	9,963	3/ 15,473	22,631
Subfamilies 2/	10,111	13,319	25,318	30,290
Married couple subfamilies	7,352	9,465	12,018	15,691
Mother-child subfamilies	2,288	3,132	10,264	10,015
Other subfamilies	471	722	3,036	4,584

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.

3/ Revised.

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; and U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002).

Table 1.50-- 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	1/ 481,768	1/ 484,107
Never married	152,188	106,715	166,715	125,609
Now married, except separated	241,961	237,260	258,532	254,359
Separated	6,425	7,539	6,837	8,468
Widowed	9,053	38,530	10,728	47,439
Divorced	31,793	38,739	38,956	48,232

1/ Revised.

Source: U.S. Bureau of the Census, 1990 Census of Population, *General Population Characteristics, Hawaii,* 1990 CP-1-13 (June 1992), table 39 and U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002).

Table 1.51--SINGLE, WIDOWED, OR DIVORCED PERSONS, BY SEX: 1970 TO 2000

[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
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
2000	216,399	221,280	97.8	166,715	125,609	132.7

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), pp. 31-32; U.S. Bureau of the Census, *1980 Census of Population, General Population Characteristics, Hawaii,* PC80-1-B13 (July 1982), table 21and *1990 Census of Population, General Population Characteristics, Hawaii,* 1990 CP-1-13 (June 1992), table 39; and U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002).

Table 1.52-- CHURCH MEMBERSHIP, FOR SELECTED DENOMINATIONS: 1982 TO 2001

Denomination	1982	1990	1999 1/	2001
Buddhist:				
Honpa Hongwanji	21,500	2/ 10,308	(NA)	(NA)
All Buddhist sects	(NA)	(NA)	100,000	(NA)
Christian: 3/				
Assembly of God	7,000	13,005	11,000	(NA)
Church of Jesus Christ of Latter-day Saints	31,027	38,303	56,000	(NA)
Episcopal	10,541	10,396	10,000	(NA)
Lutheran	4,604	3,944	6,000	(NA)
International Church of the Foursquare Gospel	(NA)	4,726	(NA)	(NA)
Roman Catholic	209,000	232,780	215,000	(NA)
Seventh-Day Adventists	4,147	5,931	(NA)	(NA)
Southern Baptist Convention	11,340	20,331	17,000	(NA)
United Church of Christ	17,485	22,852	19,000	(NA)
United Methodist	6,242	8,348	7,000	(NA)
Jewish:				
Total Jewish population	4/ 6,000	7,000	7,000	7,000

NA Not available.

1/ Estimated.

2/ 1987 data.

3/ Total Christian church adherents which includes full members, their children and the estimated number of other regular participants who are not considered as communicant, confirmed or full members was estimated at 391,000 for 1990 and 431,000 for 2000 according to the *Statistical Abstract of the United States* . The *Statistical Abstract* , however, did not have data for detailed categories. Detailed category data for 1990 in this table was obtained from another source.

4/ 1983 data.

Source: Geography Department, University of Hawaii, *Atlas of Hawaii,* 2nd ed. (1983), p. 133; *The Honolulu Advertiser,* August 20, 1998 (p. A-8), April 30, 1994 (p. B-4), and Nov. 29, 1999 (p. 3); *Statistical Abstract of the United States: 1985,* p. 52; *Statistical Abstract of the United States: 1992,* p. 60; *Statistical Abstract of the United States: 2001, p. 56;* and *Statistical Abstract of the United States: 2002* , p. 56.

Table 1.53-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION, BY MILITARY STATUS: 1990 TO 2000 AND 2000 TO 2002

Period and component	All groups	Armed forces	Civilian population			
			Military dependents	Not military dependents		
				Number	Annual average	Percent distrib.
1990 TO 2000 1/						
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 2/ Net migration 3/	-9,803	-14,720	-49,964	54,881	5,488	40.1
2000 TO 2002 4/						
Net change	33,361	4,582	5,954	22,825	10,144	100.0
Natural increase	20,056	-403	6,085	14,374	6,388	63.0
Live births	38,734	-	6,241	32,493	14,441	...
Deaths	18,678	403	156	18,119	8,053	...
Net mil. separations 2/ Net migration 3/	13,305	4,985	-131	8,451	3,756	37.0

1/ April 1, 1990 to March 31, 2000.
2/ Separations less inductions for armed forces.
3/ Includes error of closure.
4/ April 1, 2000 to June 30, 2002.

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

Table 1.54-- 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 1.55-- COMPONENTS OF CHANGE IN THE RESIDENT POPULATION, BY COUNTIES: 2000 TO 2002

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, 2002 (estimate)	1,244,898	896,019	154,794	59,946	134,139
Net change	33,361	19,863	6,117	1,483	5,898
Resident births	42,549	31,129	4,948	1,767	4,705
Resident deaths	17,398	12,320	2,468	874	1,736
Foreign migrants (net) 2/	15,330	12,244	1,061	408	1,617
Domestic migrants (net) 3/	-6,797	-10,932	2,589	218	1,328
Residual change 4/	-323	-258	-13	-36	-16

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

4/ 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> accessed July 18, 2003.

Table 1.56-- INTENDED RESIDENTS ARRIVING IN HAWAII, DOMESTIC AND INTERNATIONAL: 1992 TO 2002

Year	Total	Domestic	International
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)
2002	(NA)	44,016	(NA)

NA Not available.

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

Table 1.57-- IMMIGRANTS ADMITTED, BY COUNTRY OF BIRTH: 1997 TO 2001

[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	1997	1998	1999	2000	2001
All countries	6,867	5,465	4,299	6,056	6,313
Canada	70	49	58	106	120
Hong Kong	118	(NA)	(NA)	(NA)	(NA)
Japan	540	(NA)	(NA)	(NA)	585
Korea	287	286	186	305	286
Mexico	83	75	70	62	116
People's Republic of China	479	482	368	551	530
Philippines	4,266	3,140	2,472	3,053	3,341
Taiwan	57	48	43	72	65
Vietnam	214	101	148	196	228
Other countries	753	1,284	954	1,711	1,042

NA Not available.

Source: U.S. Immigration and Naturalization Service, Office of Policy and Planning, *Statistical Yearbook of the Immigration and Naturalization Service* (annual) at <http://www.ins.usdoj.gov/graphics/aboutins/statistics/ybpage.htm> accessed December 12, 2002.

Table 1.58-- PERSONS NATURALIZED, BY COUNTRY OF FORMER ALLEGIANCE: 1995 TO 2000

[Years ended September 30]

Year	All countries	China and Taiwan	Korea	Philippines	United Kingdom	Vietnam	Other countries
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
2000	4,372	507	431	1,813	3	346	5/ 1,272

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.

5/ Mexico, 99; others, 1,173.

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> accessed December 12, 2002.

Table 1.59-- DOMESTIC INMIGRATION: 1995 to 2000

[Population 5 years and over. State of residence in 2000 was Hawaii, but different state of residence in 1995. Data based on a sample]

State	Number of inmigrants	State	Number of inmigrants
Total	125,160	Maryland	2,900
		Illinois	2,892
California	32,321	Ohio	2,159
Washington	8,128	Pennsylvania	2,116
Texas	7,792	Michigan	2,021
Virginia	5,801	Nevada	1,853
Florida	5,639	New Jersey	1,707
New York	5,030	Massachusetts	1,695
Georgia	3,541	Alaska	1,671
North Carolina	3,529	South Carolina	1,649
Oregon	3,486	Tennessee	1,623
Arizona	3,186	Utah	1,615
Colorado	3,173	All others	19,633

Source: U. S. Census Bureau, Census 2000 PHC-T-22. *Migration for the Population 5 Years and Over for the United States, Regions, States, Counties, New England Minor Civil Divisions, Metropolitan Areas, and Puerto Rico: 2000, Table 3. State of Residence in 2000 for the Population 5 Years and Over by State of Residence in 1995"* (August 6, 2003) <http://www.census.gov/population/www/cen2000/phc-t22.html> accessed August 6, 2003.

Table 1.60-- DOMESTIC OUTMIGRATION: 1995 to 2000

[Population 5 years and over. State of residence in 1995 was Hawaii, but different state of residence in 2000. Data based on a sample]

State	Number of outmigrants	State	Number of outmigrants
Total	201,293	Maryland	4,140
		New York	3,988
California	44,192	Illinois	3,519
Washington	17,491	Utah	3,218
Texas	13,127	Tennessee	2,908
Nevada	12,079	Ohio	2,684
Virginia	10,593	Missouri	2,639
Florida	9,820	Oklahoma	2,444
Oregon	6,812	Pennsylvania	2,314
Arizona	6,700	South Carolina	2,290
Georgia	6,313	Alaska	2,287
Colorado	6,110	Michigan	2,272
North Carolina	6,085	All others	27,268

Source: U. S. Census Bureau, Census 2000 PHC-T-22. *Migration for the Population 5 Years and Over for the United States, Regions, States, Counties, New England Minor Civil Divisions, Metropolitan Areas, and Puerto Rico: 2000, Table 3. State of Residence in 2000 for the Population 5 Years and Over by State of Residence in 1995"* (August 6, 2003) <http://www.census.gov/population/www/cen2000/phc-t22.html> accessed August 6, 2003.

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: 2002* contain data for the nation as a whole.

Table 2.01-- BIRTHS AND DEATHS: 1980 TO 2001

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	14.4	6.7
2001	17,043	8,252	13.9	6.7	330.7	11.4	6.2

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. 20, 2002. 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: 1997 TO 2001

[Place of occurrence basis]

Subject	All groups	Armed forces	Civilians 1/			Armed forces and dependents
			All civilians	Military dependents	Other civilians	
Live births:						
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
2001	17,129	-	17,129	2,800	14,329	2,800
Deaths:						
1997	8,016	151	7,865	2/ 77	2/ 7,788	2/ 228
1998	8,297	175	8,122	2/ 84	2/ 8,038	2/ 259
1999	8,445	195	8,250	62	8,188	257
2000	8,511	199	8,312	63	8,249	262
2001	8,609	192	8,417	74	8,343	266
Birth rates: 3/						
1997	13.1	0	13.6	2/ 56.8	11.6	2/ 31.4
1998	13.2	0	13.7	2/ 50.2	11.9	2/ 28.7
1999	12.8	0	13.2	2/ 62.7	11.5	2/ 32.3
2000	13.2	0	13.6	2/ 61.7	11.9	2/ 32.4
2001	12.8	0	13.2	52.9	11.5	29.4
Death rates: 3/						
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
2001	6.4	4.5	6.5	1.4	6.7	2.8

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/ Revised.

3/ 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 20, 2002 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: 1996 TO 2001

[Place of residence basis]

Calendar year	Total deliveries		Live births	Standard fetal deaths	Elective abortions
	Number	Rate 1/			
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
2001	21,764	17.7	17,043	759	3,962

1/ Per 1,000 resident population, July 1. Based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 20, 2002. Population estimates for 1996 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: 1998 TO 2001

[Place of occurrence]

Event and year	Total	Resident	Nonresident	Not reported
Births:				
1998	17,628	17,567	61	-
1999	17,102	17,032	70	-
2000	17,638	17,514	122	2
2001	17,129	17,043	84	2
Deaths:				
1998	8,297	7,969	321	7
1999	8,445	8,125	307	13
2000	8,511	8,163	340	8
2001	8,609	8,252	350	7

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

Table 2.05-- CHARACTERISTICS OF RESIDENT BIRTHS: 1999 TO 2001

[Excludes births to Hawaii residents occurring out of state]

Subject	1999	2000	2001
Number of resident births	17,032	17,514	17,043
City and County of Honolulu	12,546	12,962	12,547
Percent on Oahu	73.7	74.0	73.6
Hawaii County	1,926	1,947	1,959
Kauai County	751	746	777
Maui County (incl. Kalawao)	1,809	1,859	1,760
Percent attended by M.D. or D.O. in hospital	95.3	96.0	95.5
Males per 100 females	107.5	108.7	102.9
Median weight of single births (grams)	3,315	3,315	3,295
Percent low birth weight (under 2,500 grams)	7.6	7.5	8.1
Percent single births under 40 weeks gestation	61.2	60.0	64.4
Percent plural	2.2	2.2	2.7
Percent with 1 or more congenital malformations	9.3	4.8	5.0
Percent to unmarried mothers	32.9	32.3	33.1
Percent with prenatal visit in first three months	82.4	83.4	82.1
Percent first child born to mother 1/	30.8	30.7	30.7
Percent first child born alive to mother	42.6	41.4	41.8
Median age of mothers (years)	27	28	27
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: 2000

[Excludes births to nonresidents of the United States]

Type of rate	United States	Hawaii	Rank 1/
Births per 1,000 estimated population	14.7	14.9	2/ 15
Fertility rate 3/	67.5	72.3	9

1/ Among 50 States and D.C., highest rate ranking 1.
2/ Tied with one state.
3/ Births per 1,000 women aged 15 to 44.
Source: U.S. Census Bureau, *Statistical Abstract of the United States: 2002* , p. 61.

Table 2.07-- RESIDENT BIRTHS, MIXED AND UNMIXED RACE, BY MILITARY STATUS OF PARENTS: 2001

Military status of parents	Total births	Unmixed	Mixed 1/	Not reported 2/	Percent mixed 3/
Total	17,043	6,783	9,311	949	57.9
Military	2,779	1,865	847	67	31.2
Civilian	12,770	4,908	7,854	8	61.5
Status not reported	1,494	10	610	874	98.4

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: 2001

[A total of 7,757 first names, including variant spellings, was reported for the 17,129 babies born in Hawaii in 2001]

Rank	Boys' names		Girls' names	
	Name	Number	Name	Number
1	Joshua	106	Taylor	66
2	Jacob	90	Kayla	64
3	Matthew	77	Madison	47
4	Noah	76	Alyssa	46
5	Dylan	71	Sarah	45
6	Elijah	68	Ashley	42
7	Micah	66	Alexis	41
8	Isaiah (tied)	65	Emily	39
9	Michael (tied)	65	Chloe	38
10	Ryan (tied)	65	Jessica (tied)	35
			Malia (tied)	35

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

Table 2.09-- MOST COMMON SURNAMES ON BIRTH AND DEATH CERTIFICATES: 2001

Rank	Birth certificates		Death certificates	
	Surname	Births	Surname	Deaths
1	Lee	97	Lee	65
2	Wong	64	Wong	53
3	Smith	48	Kim	36
4	Garcia	47	Chang	31
5	Brown (tied)	46	Ching	30
6	Kim (tied)	46	Higa (tied)	27
7	Williams	45	Nakamura (tied)	27
8	Johnson	41	Smith	26
9	Davis	40	Chun	25
10	Ramos	38	Tanaka (tied)	24
			Watanabe (tied)	24

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 2000

[Average expectation of life (e_o) 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
2000	76.9	74.1	79.5	(NA)	(NA)	(NA)

NA Not available.

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

Source: U.S. Department of Health and Human Services, National Center for Health Statistics, "United States Life Tables, 2000", *National Vital Statistics Reports,* Vol. 51, No. 3, December 19, 2002, table 12 <http://www.cdc.gov/nchs/products/pubs/pubd/nvsr/51/51_03.htm> accessed August 15, 2003; 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: 1999 TO 2001

[Place of residence basis. Excludes deaths to Hawaii residents occurring out of state]

Subject	1999	2000	2001
Number of resident deaths	8,125	8,163	8,252
City and County of Honolulu	5,800	5,737	5,882
Hawaii County	1,105	1,146	1,141
Kauai County	449	445	419
Maui County (incl. Kalawao)	771	835	810
Males per 100 females	133.4	127.7	122.1
Median age (years)	76	77	77
Centenarian deaths: Male	16	20	15
Female	57	52	68
Oldest (years): Male	112	106	104
Female	110	110	110
Percent married	46.2	44.8	43.5
Deaths under 1 year	118	133	100
Per 1,000 live births	6.9	7.6	5.9
Fetal deaths 1/	5,234	4,726	4,721
Per 1,000 deliveries	235	213	217
Fetal deaths, 20 or more weeks gestation 2/	3/ 181	3/ 158	194
Per 1,000 live births	3/ 10.6	3/ 9.0	11.4
Standard fetal deaths 4/	903	825	759
Elective abortions	4,331	3,901	3,962
Per 1,000 live births	254.3	222.7	232.5

1/ Includes elective abortions.
2/ Includes elective abortions if 20 weeks or more.
3/ Data changed from previous *Data Book* tables and are now based upon residence instead of place of occurrence.
4/ Excludes elective abortions.
Source: Hawaii State Department of Health, Office of Health Status Monitoring, records.

Table 2.15-- CAUSE OF DEATH, BY SEX: 2001

[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	8,252	4,536	3,716
Malignant Neoplasm:	2,001	1,121	880
of Stomach	95	56	39
of Colon, Rectum and Anus	212	125	87
of Pancreas	135	69	66
of Trachea, Bronchus and Lung	469	285	184
of the Female Breast	137	-	137
of Cervis Uteri, Corpus Uteri and Ovary	94	-	94
of Prostate	111	111	-
of Urinary Tract	74	51	23
Non-Hodgkin's Lymphoma	75	48	27
Leukemia	74	38	36
Other Malignant Neoplasms	525	338	187
Diabetes Mellitus	171	92	79
Alzheimer's Disease	122	44	78
Diseases of the Heart	2,269	1,282	987
Hypertensive Heart Disease	63	25	38
Ischemic Heart Disease	1,287	785	502
Other Forms of Heart Disease	919	472	447
Hypertension	72	23	49
Cerebrovascular Disease	756	355	401
Atherosclerosis	18	10	8
Other Circulatory System Diseases	103	66	37
Influenza/Pneumonia	202	104	98
Chronic Lower Respiratory Diseases	275	147	128
Peptic Ulcer	17	10	7
Chronic Liver Disease and Cirrhosis	83	51	32
Nephritis and Nephrosis	123	66	57
Perinatal Conditions	47	30	17
Congenital Anomalies	29	12	17
Symptoms and Ill-Defined Conditions	94	44	50
Other Diseases 1/	1,301	666	635
Motor Vehicle Accidents	116	87	29
All Other and Unspecified Accidents and Adverse Effects	252	178	74
Intentional Self-Harm (Suicide)	134	101	33
Assault (Homicide)	30	21	9
All Other External Causes	37	26	11

1/ Includes Tuberculosis, HIV Disease, 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 2003

[Complete through July 28, 2003]

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: 1993 TO 2003

[Includes all accidents, natural disasters, and other events causing five or more deaths. Complete through July 28, 2003]

Date	Place	Kind of disaster	Deaths
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, 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
2003 July 23	Waialeale, Kauai	Helicopter crash	5

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 2001

Method	1970	1980	1990	1999	2000	2001
All methods	4,197	5,204	7,055	8,445	8,511	8,609
Burial	2,197	2,343	2,798	2,785	2,767	2,689
Cremation	1,509	2,241	3,564	5,027	5,092	5,241
Removal	470	567	656	569	591	608
Entombment	13	44	35	17	19	18
Medical science	3	-	-	46	40	50
Other	-	1	-	-	-	-
Unknown	5	8	2	1	2	3

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

Table 2.19-- PERSONS ON THE STATE BLIND REGISTER, BY COUNTIES: 1998 TO 2002

Date	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
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
2002: June 30 1/	2,896	2,176	347	119	254

1/ Figures for June 30, 2002 reflect administrative efforts to review the database. Therefore, differences between 2001 and 2002 are mainly due to these administrative efforts to register previously served but unregistered persons.

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

Table 2.20-- SELECTED CHRONIC CONDITIONS: 2001 AND 2002

[Provisional data. Excludes persons in institutions, military barracks, households without telephones, the homeless, and Ni`ihau. Weighted data based upon a sample survey of 16,938 persons in 2001 and 15,516 persons in 2002]

Selected chronic conditions	Prevalence of condition		Conditions per 1,000 persons 1/	
	2001	2002	2001	2002
Diabetes	58,088	58,688	49	49
Hypertension	154,448	163,458	131	136
High blood cholesterol	159,728	164,487	136	137
Asthma	105,838	102,487	90	85
Arthritis	80,904	92,292	69	77

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: 1997 TO 2001

[2001 data reported as of December 2002; earlier data not updated]

Disease	1997	1998	1999	2000	2001
Cases:					
AIDS	98	163	103	108	133
Campylobacteriosis	823	622	884	834	755
E. coli 0157:H7	11	19	15	14	22
Fish poisoning 1/	92	111	84	92	126
Giardiasis	162	123	117	105	118
Gonorrhea	507	469	463	446	605
Hansen's Disease 2/	26	19	22	15	24
Hepatitis A	148	54	24	22	17
Hepatitis B (Acute)	11	18	16	15	22
Influenza 3/	1,051	1,290	985	503	980
Leptospirosis 4/	60	46	52	23	21
Malaria 5/	13	9	12	10	13
Measles (Rubeola) 6/	6	1	3	6	8
Meningitis, bacterial 7/	7	5	10	8	13
Mumps 8/	27	26	16	23	42
Pertussis (whooping cough) 9/	19	26	51	41	42
Pneumococcal disease	52	81	61	160	120
Rubella 10/	9	2	-	-	3
Salmonellosis	387	295	338	237	356
Shigellosis	65	51	35	38	59
Syphilis (Primary & Secondary)	1	1	3	2	12
Tuberculosis	167	181	184	136	151
Deaths: 11/					
AIDS	38	23	28	27	25
Hepatitis A	-	-	<5	<5	-
Hepatitis B (Acute)	11	7	7	7	5
Influenza	<5	10	6	<5	-
Pneumococcal disease	-	<5	<5	<5	<5
Salmonellosis	-	-	<5	<5	-
Tuberculosis	10	<5	<5	<5	6
Meningitis, bacterial	-	<5	-	-	-
Shigellosis	-	<5	-	-	-

Footnotes and source on next page.

Table 2.21--SPECIFIED COMMUNICABLE DISEASES: 1997 TO 2001 -- Con.

1/ Scombroid, ciguatera and hallucinogenic fish poisoning.

2/ Excludes reinstated cases.

3/ In 1997, of the 1,051 reported cases, 252 cases were confirmed illnesses and 799 were influenza-like illnesses. In 1998, of the 1,290 reported cases, 205 cases were confirmed illnesses and 1,085 were influenza-like illnesses. In 1999, of the 985 reported cases, 311 cases were confirmed illnesses and 674 were influenza-like illnesses. In 2000, of the 503 reported cases, 146 cases were confirmed illnesses and 357 were influenza-like illnesses. In 2001, of the 980 reported cases, 802 cases were confirmed illnesses and 178 were influenza-like illnesses.

4/ Includes previously unreported cases.

5/ In 1997, of the 13 reported cases, 1 case was indigenous, 9 cases were imported, and 3 cases were unknown. In 1998, all cases were imported. In 1999, of the 12 reported cases, 2 cases were indigenous, 9 cases were imported, and 1 case was unknown. In 2000, all cases were imported. In 2001, of the 13 reported cases, 12 cases were imported and 1 case was unknown.

6/ In 1997, of the 6 reported cases, 2 cases were indigenous and 4 cases were imported. In 1998, the single case was indigenous. In 1999, all cases were imported. In 2000, of the 6 reported cases, 2 cases were indigenous and 4 cases were imported. In 2001, of the 8 reported cases, 2 cases were indigenous and 6 cases were imported.

7/ Category changed from "meningitis, all types" to "meningitis, bacterial". Viral meningitis is no longer reported.

8/ In 1997, of the 27 reported cases, 22 cases were imported and 5 cases were unknown. In 1998, of the 26 reported cases, 6 cases were indigenous and 20 cases were imported. In 1999, of the 16 reported cases, 2 cases were indigenous, 11 cases were imported, and 3 cases were unknown. In 2000, of the 23 reported cases, 6 cases were indigenous, 16 cases were imported, and 1 case was unknown. In 2001, of the 42 cases, 13 cases were indigenous, 28 cases were imported, and 1 case was unknown.

9/ In 1997, of the 19 cases, 15 were lab confirmed and 4 were clinically diagnosed. In 1998, of the 26 cases, 20 were lab confirmed and 6 were clinically diagnosed. In 1999, of the 51 cases, 23 were lab confirmed and 28 were clinically diagnosed. In 2000, of the 41 cases, 12 were lab confirmed and 29 were clinically diagnosed. In 2001, of the 42 cases, 19 were lab confirmed and 23 were clinically diagnosed.

10/ In 1997, of the 9 reported cases, 2 cases were indigenous and 7 cases were imported. In 1998, all cases were indigenous. In 2001, of the 3 reported cases, 1 case was indigenous and 2 cases were imported.

11/ Resident data. For the years shown, no deaths were reported from campylobacteriosis, fish poisoning, giardiasis, gonorrhea, Hansen'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-- HEALTH RISK BEHAVIORS AND CONDITIONS FOR PERSONS 18 YEARS AND OLDER: 1999 TO 2002

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

Risk factor 1/	1999	2000	2001	2002
Seatbelt non-use	(NA)	(NA)	(NA)	0.8
Binge drinking 2/	14.0	(NA)	10.4	11.9
Drinking and driving	2.3	(NA)	(NA)	6.3
High cholesterol	27.6	(NA)	25.1	(NA)
Hypertension	22.7	(NA)	24.1	(NA)
Lack of exercise 3/	25.5	23.2	18.9	16.1
Poor nutrition 4/	(NA)	(NA)	78.4	79.6
Diabetes	5.2	5.2	7.2	7.2
Current smokers 5/	18.5	19.7	20.5	21.0
Overweight 6/	(NA)	50.2	51.4	53.1
Obese 7/	15.7	15.7	17.9	17.1

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. Category name was "Acute drinking" for years prior to 2001.

3/ 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.

4/ Less than five fruits and vegetables a day.

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

6/ 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.

7/ 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 July 21, 2003.

Table 2.23-- NUMBER AND BED CAPACITY OF STATE-APPROVED FACILITIES AND CARE HOMES, BY TYPE OF FACILITY: 1996 TO 2001

Category and year	Facilities				Care homes	
	Total 1/	Acute care	Long-term care	Specialty care	Type I 2/	Type II 3/
Number of facilities:						
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
2001	73	24	45	22	529	16
Number of licensed beds: 5/						
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
2001	7,625	2,519	4,137	969	2,645	387

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, *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); Hawaii State Health Planning & Development Agency, *Inpatient Facilities Utilization Report 2001 Data* (October 2002) <http://www.state.hi.us/health/shpda/shzrptoc.htm> accessed December 27, 2002; and Office of Health Care Assurance, records.

Table 2.24-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES: 1996 TO 2001

[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:				
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
2001	103,607	1,693	6.0	67.2
Long-term care:				
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
2001	6,263	3,781	220	91.4

Source: Hawaii State Department of Health, 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); Hawaii State Health Planning & Development Agency, *Inpatient Facilities Utilization Report 2001 Data* (October 2002) <http://www.state.hi.us/health/shpda/shzrptoc.htm> accessed December 27, 2002; Hawaii State Health Planning & Development Agency, revised tables; and state total calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.25-- NUMBER AND BED CAPACITY OF STATE-APPROVED CIVILIAN FACILITIES AND CARE HOMES, BY TYPE OF FACILITY, BY ISLANDS: DECEMBER 2001

[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	73	24	45	22	529	16
Oahu	49	11	28	17	442	13
Hawaii	10	6	8	-	53	-
Kauai	5	3	5	-	16	2
Maui	6	2	2	4	13	-
Molokai	2	1	1	1	5	1
Lanai	1	1	1	-	-	-
NUMBER OF LICENSED BEDS 4/						
State total	7,625	2,519	4,137	969	2,645	387
Oahu	5,463	1,965	2,625	873	2,210	319
Hawaii	939	255	684	-	265	-
Kauai	419	93	326	-	80	54
Maui	746	198	466	82	65	-
Molokai	44	8	22	14	25	14
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 Utilization Report 2001 Data* (October 2002) <http://www.state.hi.us/health/shpda/shzrptoc.htm> accessed December 27, 2002; and the Office of Health Care Assurance, records.

Table 2.26-- OCCUPANCY CHARACTERISTICS OF STATE-APPROVED ACUTE AND LONG-TERM CARE CIVILIAN FACILITIES, BY ISLANDS: 2001

[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	103,607	1,693	6.0	67.2
Oahu	75,275	1,315	6.4	66.9
Hawaii	12,233	176	5.2	69.0
Kauai	5,639	51	3.3	54.7
Maui	10,289	151	5.4	76.3
Molokai	171	1	2.2	13.1
Lanai	-	-	(X)	(X)
LONG-TERM CARE				
State total	6,263	3,781	220	91.4
Oahu	4,272	2,421	207	92.2
Hawaii	942	604	234	88.2
Kauai	557	286	187	87.6
Maui	433	447	377	95.9
Molokai	14	15	374	65.2
Lanai	45	10	80	70.5

X Not applicable.

Source: Hawaii State Department of Health, Hawaii State Health Planning & Development Agency, *Inpatient Facilities Utilization Report 2001 Data* (October 2002) <http://www.state.hi.us/health/shpda/shzrptoc.htm> accessed December 27, 2002; Hawaii State Health Planning & Development Agency, revised tables; and state total calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 2.27-- ADULT PATIENTS SERVED BY STATE MENTAL HEALTH FACILITIES: 1992 TO 2002

[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:				
1992	198	394	355	553
1993	195	446	449	644
1994	199	275	271	470
1995 1/	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
2002	164	182	169	320
State-supported outpatient community mental health centers:				
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
2002	3,156	1,158	1,126	4,043

1/ 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 2.28-- HAWAII STATE HOSPITAL BEDS AND OCCUPANCY: 1998 TO 2002

Year	Number of beds, June 30 1/	Admissions 2/		Patients in hospital 4/	
		Total	First 3/	Average 2/	June 30
1998	202	113	106	164	163
1999	202	132	115	164	162
2000	168	137	5/ 122	151	149
2001	168	183	5/ 149	158	157
2002	168	169	161	152	137

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 2002, about .2% of the patients were on leave or absent without leave.

5/ Revised.

Source: Hawaii State Hospital, records.

Table 2.29-- HANSEN'S DISEASE PATIENTS REGISTERED: 1997 TO 2001

Subject	1997	1998	1999	2000	2001
Patients on register, Dec. 31	357	346	320	321	316
Department of Health's Hansen's Disease Community Program 1/	297	293	270	274	272
Kalaupapa	60	53	50	47	44
Hale Mohalu at Leahi	-	-	-	-	
New cases	26	19	22	15	24
Deaths	6	13	6	3	1

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 2.30-- 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 2.31-- 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/	Mari-juana	Any illicit drug other than mari-juana	Ciga-rettes	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 2.32-- PREVALENCE OF VARIOUS SUBSTANCES WITH HAWAII STUDENTS: 1987 TO 2002

[In percentages. Use of substance at least once in the student's lifetime]

Substance	1987	1989	1991	1993	1996	1998	2000	2002
Any illicit drug, include inhalants 1/								
6th grade	14.4	11.5	9.2	12.4	13.4	13.7	8.3	9.5
8th grade	27.1	22.3	21.6	27.3	29.6	26.3	23.3	22.0
10th grade	38.7	33.3	33.5	38.7	41.3	42.9	36.9	40.4
12th grade	50.5	41.4	39.3	42.0	47.7	50.3	48.4	49.4
Any illicit drug, exclude inhalants 2/								
6th grade	-	-	-	-	6.4	6.6	4.2	5.2
8th grade	-	-	-	-	23.0	20.9	18.5	18.2
10th grade	-	-	-	-	37.8	40.7	35.2	38.6
12th grade	-	-	-	-	45.9	48.9	47.8	48.5
Marijuana								
6th grade	3.0	2.5	1.7	2.4	5.1	4.9	2.4	2.6
8th grade	16.5	13.1	12.3	16.7	21.5	19.2	15.9	15.9
10th grade	32.9	26.2	25.7	31.4	36.5	39.2	33.2	35.8
12th grade	46.0	36.2	34.3	37.1	44.7	47.7	45.8	46.2
Methamphetamine 3/								
6th grade	-	1.4	1.0	1.3	1.4	1.8	0.5	0.4
8th grade	-	6.1	4.3	4.9	4.4	4.6	2.3	2.0
10th grade	-	9.9	7.0	7.8	5.9	6.7	4.5	4.2
12th grade	-	11.7	8.9	8.4	7.5	7.7	5.8	5.3
Any alcohol use								
6th grade	47.6	34.6	31.1	34.9	29.8	31.6	24.2	20.0
8th grade	64.7	57.3	55.8	57.4	54.0	52.6	49.2	42.5
10th grade	76.1	71.1	72.9	73.3	73.4	72.3	67.1	64.7
12th grade	85.9	80.5	79.8	79.2	79.7	81.2	77.2	75.4
Any tobacco use								
6th grade	-	-	-	-	24.2	22.2	12.7	10.5
8th grade	-	-	-	-	46.6	44.1	37.2	28.2
10th grade	-	-	-	-	58.4	58.0	50.5	43.2
12th grade	-	-	-	-	64.7	63.6	60.0	50.5

1/ Includes use of marijuana, inhalants, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ectasy/MDMA, GHB, Rohypnol, or ketamine. Ectasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

2/ Includes the use of marijuana, cocaine, methamphetamine, heroin or other opiates, sedatives or tranquilizers, hallucinogens, steroids, ecstasy/MDMA, GHB, Rohypnol, or ketamine. Ectasy was first added to the survey in 1998. GHB, Rohypnol, and ketamine were first added to the survey in 2002.

3/ Commonly known as "Ice".

Source: Hawaii State Department of Health, Alcohol and Drug Abuse Division, *The 2002 Hawaii Student Alcohol, Tobacco and Other Drug Use Study (1987-2002) Hawaii Adolescent Prevention and Treatment Needs Assessment Executive Summary* (2003), table 1.

Table 2.33-- PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS LICENSED IN HAWAII, BY PLACE OF ADDRESS: JULY 29, 2002

[Excludes inactive licenses]

Place of address	Physicians and surgeons 1/	Dentists	Registered nurses	Pharmacists
Total licensed	5,970	1,316	12,922	1,496
Hawaii addresses	3,251	997	9,936	876
Hawaii	303	94	1,086	84
Maui	251	72	894	74
Lanai	2	-	11	1
Molokai	7	3	32	2
Oahu	2,566	788	7,471	673
Kauai	122	40	442	42
Mainland U.S.	2,672	300	2,808	612
Foreign	47	19	178	8

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 2.34-- 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	Establish-ments (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	Establish-ments (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 2001

[Place of occurrence basis]

Calendar year	Marriages		Divorces and annul-ments 2/	Rates per 1,000 resident population 3/		Percent of marriages	
	Total	Resident 1/		Resident marriages	Divorces, annul-ments 2/	Nonresi-dent 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
2001	24,477	9,126	4,857	7.4	4.0	62.7	6/ 55.7

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. 20, 2002. 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. For years prior to 2001, marriages where both bride and groom are in the "Part Hawaiian" or "Other races" categories were classified as non-interracial.

6/ Definition of "interracial" marriages for this table was changed beginning in 2001. From 2001, marriages where either the bride or groom are "Part Hawaiian" were classified as "Interracial" and marriages where both the bride and groom were "Other races" were classified as "Unknown" (based on number reporting). In the years prior to 2001, marriages in which both the bride and groom were "Part Hawaiian" or "Other races" were classified as non-interracial. For 2001, the percent of "interracial" marriages would have been 42.6 (based on number reporting) if the definition from the years prior to 2001 was used.

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 2000

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
2000	221,280	262,827	9,220	42	4,668	18

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

2/ Averages of the previous and current calendar year period which includes April 1. 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; Census 2000 Summary File 3 dataset <http://factfinder.census.gov/servlet/BasicFactsServlet> accessed August 28, 2003 ; Hawaii State Department of Health, Annual Report, Statistical Supplement for 1969, 1970, 1979, 1980, and Office of Health Status Monitoring, records.

Table 2.38-- CHARACTERISTICS OF MARRIAGES AND DIVORCES: 1998 TO 2001

[Place of occurrence basis]

Subject	1998	1999	2000	2001
MARRIAGES				
Number	20,974	23,067	25,376	24,477
Percent on Oahu	45.7	44.4	42.7	44.1
Percent Hawaii residents:				
Both bride and groom	38.2	36.7	33.3	34.1
One partner only	3.5	3.2	3.0	3.2
Neither bride nor groom	58.3	60.0	63.7	62.7
Not reported 1/	-	-	<0.1	-
Median age (years):				
Groom	33	33	33	33
Bride	30	30	30	31
Percent previously married:				
Groom	38.8	39.0	38.0	38.3
Bride	39.5	39.6	38.7	38.7
DIVORCES AND ANNULMENTS				
Number	4,919	4,620	4,716	4,857
Divorces	4,899	4,611	4,704	4,845
Annulments	17	5	12	12
Not reported	3	4	-	-
Percent occurring on Oahu	73.9	72.7	74.0	74.2
Percent Hawaii residents:				
Both partners	74.3	74.7	75.5	75.0
One partner only	24.4	23.6	22.8	23.5
Neither partner	<0.1	<0.1	<0.1	<0.1
Not reported 1/	1.3	1.7	1.7	1.5
Median age (years):				
Husband	37	38	38	38
Wife	35	36	36	36
Percent interracial 2/	2/ 42.4	2/ 43.7	2/ 45.1	3/ 49.4
Percent with children under 18 years	49.5	51.8	51.1	50.6
Median years married	6.8	7.2	7.4	7.5

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

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

3/ Definition of "interracial" divorces for this table was changed beginning in 2001. From 2001, divorces where either the husband or wife are "Part Hawaiian" were classified as "interracial" and divorces where the husband or wife were "Other race" were classified as "Unknown." In the years prior to 2001, divorces in which both the husband and wife were "Part Hawaiian" or "Other race" were classified as non-interracial. For 2001, the percent of "interracial" divorces would have been 43.8 (based on the number reporting) if the definition for the years prior to 2001 was used.

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: 2001

Race mixture and type of ceremony	Total	At least one partner Hawaii resident	Both partners nonresidents
All marriages	24,477	9,126	15,351
Race of partners:			
Both partners same race 1/	15,475	3,652	11,823
Different 2/	6,590	4,598	1,992
Not reported 3/	2,412	876	1,536
Percent different 4/	29.9	55.7	14.4
Type of ceremony:			
Civil ceremony	2,922	2,409	513
Religious ceremony	21,555	6,717	14,838

1/ Definition of "same race" was changed. It no longer includes marriages where both partners are of unknown race. These types of marriages are now included in the category "not reported".

2/ Includes marriages where either partner is Part Hawaiian.

3/ One or both partners with unspecified race (unless one was Part Hawaiian), or both partners classified as "Other".

4/ Based on number reporting

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

Table 2.40-- MARITAL DISSOLUTION: 1990 TO 2001

[Based on resident population]

Subject	1990	2000	2001	Percent		
				1990	2000	2001
Married couples	210,468	216,077	217,068	100.0	100.0	100.0
Marriages ended	8,292	8,365	8,435	3.9	3.9	3.9
By divorce 1/	5,172	4,707	4,845	2.5	2.2	2.2
By death	3,120	3,658	3,590	1.5	1.7	1.7
Husbands	2,234	2,574	2,528	1.1	1.2	1.2
Wives	886	1,084	1,062	0.4	0.5	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, *1990 Census of Population,* 1990 CP-1-13, table 30; U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002) and "2001 Supplementary Survey Profile Hawaii" (May 2002).

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: 2002* presents comparable information for the nation as a whole.

Table 3.01-- SCHOOL ENROLLMENT, BY TYPE OF SCHOOL AND AGE, BY GEOGRAPHIC AREAS: 2000

Subject	State total	Oahu	Other islands
TYPE OF SCHOOL			
Persons 3 years and over enrolled	320,842	234,038	86,804
Preprimary school	17,909	12,975	4,934
Public school	7,529	5,299	2,230
Elementary or high school	223,185	155,556	67,629
Public school	188,699	127,241	61,458
College	79,748	65,507	14,241
Public college	58,987	47,057	11,930
AGE			
Persons 3 years and over enrolled	320,842	234,038	86,804
3 and 4 years	15,460	11,122	4,338
5 to 9 years	81,782	58,220	23,562
10 to 14 years	82,233	56,952	25,281
15 to 17 years	46,795	31,820	14,975
18 and 19 years	18,336	13,745	4,591
20 to 24 years	27,771	23,442	4,329
25 to 34 years	22,542	19,461	3,081
35 years and over	25,923	19,276	6,647
Percent enrolled in school:			
3 and 4 years	49.9	49.8	50.1
5 to 9 years	96.0	96.0	96.0
10 to 14 years	98.7	98.8	98.4
15 to 17 years	96.2	96.6	95.3
18 and 19 years	58.2	59.4	54.8
20 to 24 years	33.4	35.7	24.5
25 to 34 years	13.4	15.1	7.8
35 years and over	4.1	4.3	3.6

Source: U.S. Bureau of the Census, Census 2000 Summary File 3 Hawaii (September 25, 2002).

Table 3.02-- EDUCATIONAL ATTAINMENT, BY GEOGRAPHIC AREA: 2000

Age and educational attainment	State total	Oahu	Other islands
Persons 18 to 24 years	114,735	88,716	26,019
High school graduate (includes equivalency)	44,985	33,964	11,021
Some college or associate degree	46,703	37,810	8,893
Bachelor's degree or higher	6,802	5,997	805
Persons 25 years and over	802,477	579,998	222,479
Less than 5th grade	19,319	15,149	4,170
5th to 8th grade	38,486	26,938	11,548
9th to 12th grade, no diploma	66,006	45,801	20,205
High school graduate (includes equivalency)	228,832	161,348	67,484
Some college, no degree	175,092	123,521	51,571
Associate degree	64,701	45,595	19,106
Bachelor's degree	142,493	109,571	32,922
Master's degree	43,665	33,897	9,768
Professional school degree	16,523	12,534	3,989
Doctorate degree	7,360	5,644	1,716
Percent:			
Less than 5th grade	2.4	2.6	1.9
High school graduate or higher	84.6	84.8	83.9
Male	85.6	86.3	83.7
Female	83.6	83.4	84.0
Some college or higher	56.1	57.0	53.5
Bachelor's degree or higher	26.2	27.9	21.8
Male	26.9	28.9	21.8
Female	25.5	26.9	21.7

Source: U.S. Bureau of the Census, Census 2000 Summary File 3 Hawaii (September 25, 2002).

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: 2001

[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	179,959	82.1	0.2	25.5	0.3
Hawaii	784	86.0	0.7	26.6	1.3
Rank 2/	42	18	...	17	...

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, 2001 Supplementary Survey, Tabular profiles (social), from website http://www.census.gov accessed on March 17, 2003.

Table 3.06-- PRIVATE EDUCATIONAL SERVICES (NAICS 61), BY TYPE OF SERVICE: 1997

NAICS code	Type of service	Establish-ment (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 611), BY TYPE OF SERVICE: 2001

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	444	89	13,870	354,502
6111	Elementary & secondary schools	117	60	7,590	228,043
6112	Junior colleges	7	4	332	10,945
6113	Colleges, universities & professional schools	18	7	4,211	81,698
6114	Business schools, & computer & management training	36	1	137	2,922
6115	Technical & trade schools	33	2	233	5,493
6116	Other schools & instruction	215	13	1,184	17,360
6117	Educational support services	18	2	183	8,041

Source: U.S. Bureau of the Census, *County Business Patterns 2001, Hawaii,* CBP/01-13 (April 2003), p. 31.

Table 3.08-- EXPENDITURES AND PER PUPIL EXPENDITURES BY EDUCATION LEVEL & FUNCTION 2001-2002

[In dollars]

Education Level	Instruction	Instructional Support	Leadership	Operations	Other Commit-ments
Total Expenditure	591,067,735	287,457,147	83,722,886	165,916,842	202,906,491
Total Per Pupil	3,219	1,565	456	904	1,105
Elementary Schools					
Total expenditure	312,404,587	136,874,156	41,525,804	83,087,668	101,408,197
Total per pupil	3,366	1,475	447	895	1,093
Middle Schools					
Total expenditure	90,693,579	42,082,464	14,733,391	27,335,941	33,668,209
Total per pupil	2,992	1,388	486	902	1,111
High Schools					
Total expenditure	134,135,640	74,204,403	19,274,059	39,289,454	50,682,863
Total per pupil	2,957	1,636	425	866	1,117
Combined Schools					
Total expenditure	53,833,929	34,296,124	8,189,631	16,203,780	17,147,221
Total per pupil	3,555	2,265	541	1,070	1,132

Source: Hawaii State Department of Education website <http://165.248.10.76/hsers02/hsers02a.htm> accessed July 29, 2003.

Table 3.09-- PUBLIC SCHOOL ENROLLMENT BY GRADES, BY COUNTIES: SEPTEMBER 2002

Grade	State total 1/ 2/	Hawaii 3/	Maui 3/	Honolulu 1/ 3/	Kauai 3/
All grades	183,829	25,112	21,561	123,387	10,313
Nursery	1,031	143	73	752	50
Kindergarten	12,682	1,571	1,549	8,598	651
1	13,576	1,677	1,523	9,398	679
2	13,309	1,628	1,509	9,232	665
3	13,440	1,565	1,464	9,381	745
4	13,212	1,649	1,509	9,088	731
5	13,090	1,710	1,479	8,937	695
6	13,106	1,745	1,437	8,930	796
7	12,573	1,673	1,452	8,527	737
8	11,786	1,600	1,384	7,921	682
9	13,648	1,854	1,509	9,183	823
10	11,642	1,730	1,462	7,502	721
11	10,874	1,713	1,320	6,996	657
12	9,052	1,529	1,159	5,695	539
Specials 4/	20,808	3,325	2,732	13,247	1,142

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://lilinote.k12.hi.us/STATE/COMM/DOEPRESS.NSF/a1d7af052e94dd120a2561f7000a037c/53dccf9837744c220a256c4200038d4e/$FILE/2002-03%20State%20Enrollment.pdf> accessed May 21, 2003.

Table 3.10-- 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 3.11-- HAWAII STATE HIGH SCHOOL GRADUATES BY PUBLIC AND PRIVATE HIGH SCHOOL: 1982 TO 2002

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 1/	13,380	10,671	2,709
2001 1/	12,946	10,330	2,616
2002	13,355	10,766	2,589

1/ Data have been revised from previous year databook table.
Source: University of Hawaii, Institutional Research Office, records.

Table 3.12-- 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 3.13-- SCHOLASTIC ASSESSMENT TEST SCORE AVERAGES: 2001 AND 2002

[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	
	2001	2002	2001	2002
Mathematical	515	520	514	516
Verbal	486	488	506	504

Source: *Honolulu Star Bulletin, August 27, 2002* and *The Honolulu Advertiser, August 27, 2002.*

Table 3.14-- STANFORD ACHIEVEMENT TEST RESULTS FOR PUBLIC SCHOOL GRADES 3, 5, 8, AND 10: SPRING 2002

Subject and level	U.S. Average	Hawaii results , by grade			
		Grade 3	Grade 5	Grade 8	Grade 10
Reading:					
Low	23	20.0	21.3	22.3	30.9
Average	54	58.3	58.0	54.5	62.3
High	23	21.7	20.7	23.2	6.8
Math:					
Low	23	17.7	18.1	25.3	29.5
Average	54	53.6	47.5	55.5	52.0
High	23	28.7	34.4	19.3	18.6

Source: *The Honolulu Advertiser* , February 7, 2003.

Table 3.15-- HAWAII STATE ASSESSMENT RESULTS FOR PUBLIC SCHOOL GRADES 3, 5, 8, AND 10: SPRING 2002

Subject and level	Hawaii results , by grade			
	Grade 3	Grade 5	Grade 8	Grade 10
Reading:				
Well Below	8.9	8.3	8.4	7.7
Approaches	46.5	46.5	44.4	41.8
Meets	40.3	42.1	40.2	35.9
Exceeds	2.0	1.3	1.6	1.1
Not Tested	2.3	1.8	5.4	13.5
Math:				
Well Below	21.8	21.6	22.2	16.6
Approaches	56.8	55.4	53.3	50.9
Meets	18.6	19.9	18.2	16.4
Exceeds	1.6	1.9	1.5	0.9
Not Tested	1.2	1.2	4.9	15.2

Source: *The Honolulu Advertiser* , February 7, 2003.

Table 3.16-- HEADCOUNT ENROLLMENT AT THE UNIVERSITY OF HAWAII, BY CAMPUS: FALL 1991 TO 2002

[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		Unclassified 1/		
			Undergraduates	Graduates			
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
2002	48,173	18,706	12,242	4,834	1,630	3,040	834

Year	Community Colleges 3/							
	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
2002	25,593	4,478	7,041	5,918	1,761	2,182	1,224	2,989

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: 1992 TO 2002

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/	No data
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	-	2,508	1,040	152	129	112	1
2001	-	2,311	921	144	142	85	-
2002	-	2,326	837	105	135	51	-

Year ended June 30	University of Hawaii at Hilo 3/			Univ. of Hawaii-West Oahu: Bachelor's	Community Colleges 3/		
	Certifi-cates 4/	Bachelor's degree	Master's 6/		Certifi-cates 5/	Asso-ciate's degree	No data
1992	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	45	421	-	199	372	2,304	-
1998	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
2002	48	405	1	179	349	2,204	-

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/ 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.

4/ Professional Certificates in Education.

5/ Certificates of Achievement.

6/ MA in Hawaiian Language and Literature added in Fall 1997.

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

Table 3.18-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES, AND FACULTY AND STAFF: 2000 TO 2002

Subject		2000	2001	2002
Curricula offered at Manoa Campus,		288	291	279
Bachelor's degree programs		87	90	87
Master's degree programs		89	89	86
Doctoral programs		57	57	53
Other programs 1/		55	55	53
Tuition per semester (full-time undergraduate, regular session) (dollars): 2/				
Manoa Campus:	Resident	1,512	1,560	1,608
	Nonresident	4,752	4,800	4,848
Hilo (upper division):	Resident	1,140	1,152	1,164
	Nonresident	3,924	3,936	3,948
West Oahu:	Resident	948	984	1,020
	Nonresident	3,516	3,552	3,588
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)		666,253	788,998	856,091
Current fund expenditures ($1,000)		701,604	766,156	765,517
Faculty and staff, October 4/		8,131	8,353	8,646
Board of Regents appointees		6,397	6,616	6,933
Full-time		4,199	4,355	4,499
Part-time		2,198	2,261	2,434
Civil Service personnel		1,734	1,737	1,713
Full-time		1,682	1,689	1,672
Part-time		52	48	41

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. 2002 = AY 2002-2003). 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.

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

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

Table 3.19-- ENROLLMENT AND EARNED DEGREES CONFERRED, FOR PRIVATE COLLEGES AND UNIVERSITIES: 1997 TO 2002

[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	Asso-ciate's	Bache-lor's	Master's
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
2002, total	13,466	11,623	1,843	351	1,847	488
Brigham Young	2,529	2,529	-	10	499	-
Chaminade	2,800	2,195	605	138	279	166
Hawaii Pacific	8,137	6,899	1,238	203	1,069	322

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: 1997 TO 2002

Subject	1997	1998	1999	2000	2001	2002
Library locations, June 30	49	49	50	50	50	50
Oahu	23	23	23	23	23	23
Other islands	26	26	27	27	27	27
Personnel, June 30 1/	512.05	512.05	512.05	512.05	527.05	527.05
Librarians	159.00	159.00	157.00	159.00	160.00	160.00
All others	353.05	353.05	355.05	353.05	367.05	367.05
Hours open 2/	53	53	53	53	53	53
Collections, June 30 (1,000)	3,197	3,201	3,317	3,305	3,299	3,355
Circulation, year ended June 30 (1,000)	7,602	7,781	7,345	6,926	6,748	7,156
Patron Visits (1,000)	(NA)	(NA)	(NA)	(NA)	6,143	5,590
Reference Questions (1,000)	(NA)	(NA)	(NA)	(NA)	1,223	1,147
Internet Users	(NA)	(NA)	(NA)	(NA)	105,768	118,820
Library Programs	(NA)	(NA)	(NA)	(NA)	9,582	9,632
Attendance	(NA)	(NA)	(NA)	(NA)	235,570	236,807

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: 2002

District	Library locations, June 30	Personnel, June 30 1/	Circulation,year ended June 30
Total system	50	527.05	7,155,643
Oahu	23	307.50	4,758,546
Other islands	27	132.05	2,397,097
Hawaii Library District	13	57.55	1,058,095
Kauai Library District	6	30.50	552,122
Maui Library District 2/	8	44.00	786,880
Administration/Other 3/	…	87.50	…

	Collections, June 30			
District	Books	Periodical subscriptions		Sound recordings
Total system	3,068,567	5,714	72,068	214,651
Oahu	1,982,516	3,290	39,478	62,062
Other islands	1,061,656	2,299	32,460	36,843
Hawaii Library District	481,453	1,014	14,333	13,788
Kauai Library District	233,796	441	9,222	8,845
Maui Library District 2/	346,407	844	8,905	14,210
Library for the Blind and Physically Handicapped 5/	24,395	125	130	115,746

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: 2001 AND 2002

Campus	Number of volumes, June 30		Circulation, year ended June 30	
	2001 1/	2002	2001	2002
All campuses	3,926,198	4,010,220	517,375	632,152
University of Hawaii at Manoa 2/ 3/	3,180,383	3,234,973	361,717	464,704
UH Manoa Law Library	114,063	116,697	6,849	4,113
University of Hawaii-West Oahu	23,639	25,950	3,375	4,449
University of Hawaii at Hilo 4/	262,727	266,113	61,616	53,756
Community colleges, total 4/	345,386	366,487	83,818	105,130
Honolulu	55,567	55,977	5,384	8,239
Kapiolani	72,158	71,856	24,702	14,386
Leeward	67,266	85,646	14,257	15,926
Windward	46,722	46,878	10,905	10,058
Kauai	53,257	55,000	6,490	7,089
Maui 5/ 6/	50,416	51,130	22,080	49,432

1/ Data has been revised from previous year databook.

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

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

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

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

6/ 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: 2002*, Section 5.

Table 4.01-- ACTUAL MAJOR (INDEX) OFFENSES KNOWN TO THE POLICE, BY COUNTIES: 1991 TO 2001

[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 manslaughter]

Year	State total		City and County of Honolulu	Hawaii County	Kauai County	Maui County
	Number	Rate 1/				
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/	3/ 63,019	52.0	3/ 46,691	6,425	2,578	7,325
2001 2/	65,947	53.7	48,442	6,985	2,346	8,174

1/ Annual rate per 1,000 resident population based on July 1 estimates by the U.S. Census Bureau, as revised through Dec. 20, 2002. Population estimates for 1991 through 1999 were revised based upon the April 1, 2000 figures which were released April 19, 2002.

2/ Excludes arson.

3/ Revised.

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: 1992 TO 2001

[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	1992	1993	1994	1995	1996
All Index Offenses	71,258	73,934	79,187	85,824	78,314
Murder	42	45	50	56	40
Forcible rape	440	394	359	336	326
Robbery	1,151	1,214	1,221	1,553	1,606
Aggravated assault	1,365	1,408	1,461	1,564	1,350
Burglary	13,006	13,310	14,029	13,832	12,781
Larceny-theft	50,544	51,912	55,260	59,907	54,701
Motor vehicle theft	4,351	5,283	6,383	8,199	7,157
Arson	359	368	424	377	353

Offense	1997	1998	1999	2000	2001
All Index Offenses	71,872	63,997	1/ 57,324	1/ 62,987	1/ 65,947
Murder	47	24	44	35	32
Forcible rape	371	352	354	346	409
Robbery	1,403	1,225	1,044	1,123	1,142
Aggravated assault	1,478	1,345	1,343	1,450	1,534
Burglary	12,741	11,169	9,421	10,665	11,162
Larceny-theft	48,984	43,914	40,458	43,254	44,925
Motor vehicle theft	6,468	5,594	4,660	6,114	6,743
Arson	380	374	1/ 352	1/ 389	517

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: 1991 TO 2001

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/
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
2001	4/ 65,947	109,697	4/ 8,134	60,032	4/ 12.3	54.7

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 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	3/ 63,019	3/ 113,382	3/ 9,029	3/ 72,082	14.3	3/ 63.6
Honolulu	3/ 46,691	3/ 68,385	3/ 5,947	3/ 45,000	12.7	3/ 65.8
Hawaii	6,425	3/ 17,572	1,707	3/ 13,753	26.6	3/ 78.3
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.
3/ Revised.
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 OFFENSES KNOWN TO POLICE AND OFFENSES CLEARED BY ARREST OR OTHERWISE, BY CLASS OF OFFENSE, BY COUNTIES: 2001

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	65,947	109,697	8,134	60,032	12.3	54.7
Honolulu	48,442	66,523	5,304	39,670	10.9	59.6
Hawaii	6,985	16,285	1,682	11,761	24.1	72.2
Kauai	2,346	4,121	366	1,628	15.6	39.5
Maui	8,174	22,768	782	6,973	9.6	30.6

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 4.06-- ACTUAL INDEX OFFENSES KNOWN TO POLICE AND INDEX OFFENSES CLEARED BY ARREST OR OTHERWISE, FOR THE STATE AND OAHU: 2001

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/	65,947	48,442	8,134	5,304	12.3	10.9
Murder	32	20	30	20	93.8	100.0
Forcible rape	409	293	237	161	57.9	55.0
Robbery	1,142	999	313	252	27.4	25.2
Aggravated assault	1,534	1,141	711	468	46.3	41.0
Burglary	11,162	7,340	896	432	8.0	5.9
Larceny-theft	44,925	33,052	5,288	3,593	11.8	10.9
Motor vehicle theft	6,743	5,597	659	378	9.8	6.8
Arson	517	396	19	14	3.7	3.5

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 4.07-- PERSONS ARRESTED FOR INDEX AND PART II OFFENSES, BY AGE AND SEX, AND BY COUNTIES: 2001

Subject	State total	Honolulu	Hawaii	Maui	Kauai
INDEX OFFENSES 1/					
Total	8,735	6,339	1,130	837	429
Juveniles	2,598	1,869	355	232	142
Male	1,773	1,251	265	159	98
Female	825	618	90	73	44
Adults	6,137	4,470	775	605	287
Male	4,552	3,369	550	438	195
Female	1,585	1,101	225	167	92
PART II OFFENSES (EXCLUDE TRAFFIC)					
Total	51,450	34,094	8,447	5,889	3,020
Juveniles	9,395	6,701	1,377	675	642
Male	5,290	3,658	830	387	415
Female	4,105	3,043	547	288	227
Adults	42,055	27,393	7,070	5,214	2,378
Male	33,189	21,862	5,487	3,998	1,842
Female	8,866	5,531	1,583	1,216	536

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 4.08-- CHILD ABUSE AND NEGLECT REPORTS: 1972 TO 2001

[Number of reports accepted for investigation. There may be several reports for one child or several children in one report. Data prior to 2000 were based on report date, while data from 2000 onward were based on disposition date. The disposition date is when it is determined whether the report is a confirmed, unconfirmed, or unsubstantiated report]

Year	Reported	Confirmed	Year	Reported	Confirmed	Year	Reported	Confirmed
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
1980	2,106	1,059	1990	4,407	2,392	2000	6,184	3,533
1981	2,360	1,137	1991	4,365	2,318	2001	7,210	3,930

Source: Hawaii State Department of Human Services, Management Services Office, *A Statistical Report on Child Abuse and Neglect in Hawaii* (annual) <http://www.state.hi.us/dhs> accessed December 30, 2002.

Table 4.09-- CHARACTERISTICS OF CHILD ABUSE AND NEGLECT VICTIMS: 2000 AND 2001

[Confirmed, unduplicated count of children. A child is only counted once, regardless of how many times he/she was reported]

Subject	2000	2001
Total	3,286	3,665
Type 1/:		
Physical abuse	477	522
Neglect	493	605
Medical neglect	58	71
Sexual abuse	242	272
Psychological abuse	113	163
Threatened harm	2,778	3,189
County:		
Hawaii	673	690
Honolulu	2,095	2,483
Kauai	159	188
Maui	359	304
Victim characteristics:		
Age (percent)		
Less than one year to 4 years	36.4	39.4
5 to 11 years	39.1	36.6
12 to 17 years	23.7	23.5
Unknown	0.8	0.5
Percent females	51.4	52.0
Race (percent):		
Hawaiian or part Hawaiian	40.7	42.7
Mixed	15.7	17.1
White	10.6	7.8
Other	33.0	32.4

1/ Each type of abuse and neglect is counted only once, regardless of how many times they have been reported. Each child may have one or more type of abuse in the report year, however, so the sum of the types exceeds the total unduplicated count of children whose reports were confirmed.

Source: Hawaii State Department of Human Services, Management Services Office, *A Statistical Report on Child Abuse and Neglect in Hawaii* (annual) <http://www.state.hi.us/dhs> accessed December 30, 2002.

Table 4.10-- VALUE OF PROPERTY REPORTED STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY CATEGORY: 1991 TO 2001

Year	Locally stolen motor vehicles			Other stolen property		
		Value recovered 1/			Value recovered 1/	
	Value stolen ($1,000)	Amount ($1,000)	Percent	Value stolen ($1,000)	Amount ($1,000)	Percent
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
2001	12,801.3	8,558.9	66.9	48,731.3	2,288.1	4.7

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-- VALUE OF PROPERTY STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED, BY COUNTIES: 2001

Subject	State total	Honolulu	Hawaii	Maui	Kauai
Value of property stolen (1,000)					
Motor vehicles	12,801.3	6,251.9	842.7	5,205.4	501.1
Other property	48,731.3	37,042.6	3,843.3	6,560.8	1,284.7
Value of stolen property recovered 1/ ($1,000)					
Motor vehicles	8,558.9	4,334.4	502.3	3,415.4	306.7
Other property	2,288.1	1,501.9	210.4	494.8	81.0
Percent of value recovered					
Motor vehicles	66.9	69.3	59.6	65.6	61.2
Other property	4.7	4.1	5.5	7.5	6.3

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 4.12-- CRIME RATES FOR THE UNITED STATES AND HAWAII: 2000 AND 2001

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

Type of offense	U.S. rate		Hawaii rate		Hawaii rank 1/	
	2000	2001	2000	2001	2000	2001
All Index Offenses 2/	4,124.0	4,160.5	5,198.9	5,386.1	6	3
Violent crime	506.1	504.4	243.8	254.6	43	42
Property crime	3,617.9	3,656.1	4,955.1	5,131.5	2	2

1/ Out of 50 states, with highest crime rate ranking 1.
2/ 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 4.13-- AUTHORIZED POLICE PERSONNEL, BY COUNTIES: DECEMBER 2002

Year and status	State total	Honolulu	Hawaii	Kauai	Maui
Total	4,309	3,096	585	161	467
Sworn, active	2,926	2,054	400	120	352
Sworn, reserve	120	100	20	-	-
Training pool	402	375	23	4	-
Not sworn (civilian)	861	567	142	37	115
Police radio dispatcher	235	1/ 143	35	21	36
Matron	2	2	-	-	-

1/ Excludes operators who handle 911 calls only.
Source: County police departments, records.

Table 4.14-- COURTS, JUDGES, MAGISTRATES, AND ATTORNEYS: 2000 TO 2002

[As of June 30]

Subject	2000	2001	2002
Federal judges and magistrates: 1/			
U.S. Bankruptcy Court	1	1	1
U.S. District Court	6	6	6
State justices and judges: 1/			
Supreme Court	5	5	5
Intermediate Court of Appeals	4	4	4
Circuit Courts 2/	29	31	31
Assigned to Family Court	2	3	3
District Courts 3/	36	37	39
Assigned to Family Court	14	15	17
Land Court	(4/)	(4/)	(4/)
Tax Appeal Court	(4/)	(4/)	(4/)
Attorneys licensed in Hawaii 5/	6,750	6,366	6,414
Active	4,254	4,159	4,201
Inactive	2,496	2,207	2,213

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 2000 data are as of December 4, 2000; the 2001 data are as of April 1, 2002; and the 2002 data are as of June 30, 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 4.15-- UNITED STATES DISTRICT COURT CASES: 2000 TO 2002

[Years ended September 30]

Subject	2000	2001	2002
Civil cases:			
Commenced (filings)	892	838	841
Terminated	999	873	895
Pending, end of period 1/	1,134	2/ 1,082	3/ 1,028
Criminal cases:			
Commenced (filings)	477	472	447
Terminated	432	443	448
Pending, end of period 4/	503	2/ 499	498
Bankruptcy:			
Commenced (filings), total	4,667	4,975	4,684
Business	58	75	57
Nonbusiness	4,609	4,900	4,627
Terminated	4,791	4,552	4,819
Pending, end of period	2,479	2/ 2,903	2,768

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

2/ Revised.

3/ At the time of publication, the pending totals for some districts were under review. Pending totals may be revised in subsequent publications.

4/ 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 July 21, 2003.

Table 4.16-- 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 4.17-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION: 2000 TO 2002

[Years ended June 30]

Court and type of action	2000	2001	2002
Supreme Court 1/	3,554	3,295	3,272
Primary cases	646	606	561
Appeals	579	542	497
Original proceedings	67	64	64
Supplemental proceedings	2,908	2,689	2,711
Intermediate Court of Appeals 2/	406	339	422
Primary cases	239	224	260
Appeals	239	224	260
Supplemental proceedings	167	115	162
Circuit Courts Proper	13,480	13,070	12,595
Primary proceedings	13,480	13,070	12,595
Civil actions	6,032	5,497	4,770
Probate proceedings	1,312	1,132	1,384
Guardianship proceedings	359	372	339
Miscellaneous proceedings	1,351	1,363	1,258
Criminal actions	4,426	4,706	4,844
Part I offenses	1,709	1,820	2,002
Part II offenses	2,717	2,886	2,842
Family Courts	51,414	3/ 34,181	3/ 34,241
Primary proceedings and referrals	32,671	34,181	34,241
Marital actions and proceedings	5,488	5,651	5,710
Uniform reciprocal enforcement of support	543	415	511
Adoption proceedings	757	786	675
Parental proceedings	2,389	2,304	2,582
Domestic Abuse Protective Orders (Ch. 586)	3,570	4,027	4,623
Miscellaneous proceedings	2,179	2,540	2,477
Criminal actions	3,946	4,334	4,555
Children's referrals	13,799	14,124	13,108
Supplemental proceedings	18,743	(3/)	(3/)

Footnote and source on next page.

Table 4.17-- STATE JUDICIARY CASES FILED, BY TYPE OF ACTION: 2000 TO 2002 -- Con.

Court and type of action	2000	2001	2002
District Court	514,552	485,889	511,544
Civil	23,008	21,990	20,888
Regular civil	17,776	16,289	16,552
Small claims	5,232	5,701	4,336
Traffic	434,565	406,609	435,859
Moving - arrest and citation	133,775	126,857	147,274
Non-moving	99,075	106,399	119,174
Parking	201,715	173,353	169,411
Other violations	2,769	2,803	3,336
Criminal actions	54,210	54,487	51,461
Part I offenses	5,188	5,602	5,385
Part II offenses	49,022	48,885	46,076

1/ Data exclude cases transferred to the Intermediate Court of Appeals: 239 in 2000, 223 in 2001, and 258 in 2002.

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

3/ Supplemental proceedings are no longer being reported.

Source: The Judiciary, State of Hawaii, records.

Table 4.18-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION: 2000 TO 2002

[Years ended June 30]

Court and type of action	2000	2001	2002
Supreme Court 1/	3,447	3,145	3,233
Primary cases	540	465	520
Appeals	469	404	452
Original proceedings	71	61	68
Supplemental proceedings	2,907	2,680	2,713
Intermediate Court of Appeals 2/	359	305	369
Primary cases	198	197	204
Appeals	198	197	204
Supplemental proceedings	161	108	165
Circuit Courts Proper	15,646	11,310	11,685
Primary proceedings	15,646	11,310	11,685
Civil actions	8,672	5,645	5,525
Probate proceedings	1,137	723	899
Guardianship proceedings	216	175	113
Miscellaneous proceedings	1,314	834	1,047
Criminal actions	4,307	3,933	4,101
Part I offenses	1,677	1,517	1,599
Part II offenses	2,630	2,416	2,502
Family Courts	49,155	3/ 33,492	3/ 35,833
Primary proceedings and referrals	30,875	33,492	35,833
Marital actions and proceedings	4,587	5,935	6,803
Uniform reciprocal enforcement of support	566	763	862
Adoption proceedings	626	766	925
Parental proceedings	2,744	2,122	2,651
Domestic Abuse Protective Orders (Ch. 586)	3,478	4,289	4,607
Miscellaneous proceedings	2,441	2,310	2,631
Criminal actions	3,371	3,439	4,154
Children's referrals	13,062	13,868	13,200
Supplemental proceedings	18,280	(3/)	(3/)

Footnote and source on next page.

Table 4.18-- STATE JUDICIARY CASES TERMINATED, BY TYPE OF ACTION: 2000 TO 2002 -- Con.

Court and type of action	2000	2001	2002
District Court	464,080	503,296	507,336
Civil	21,881	23,658	22,548
Regular civil	16,606	18,449	18,626
Small claims	5,275	5,209	3,922
Traffic	391,827	424,700	430,794
Moving - arrest and citation	127,226	129,723	146,403
Non-moving	87,327	109,450	116,670
Parking	177,274	185,527	167,721
Other violations	2,143	2,230	2,518
Criminal actions	48,229	52,708	51,476
Part I offenses	5,190	5,463	5,644
Part II offenses	43,039	47,245	45,832

1/ Data exclude cases transferred to the Intermediate Court of Appeals: 239 in 2000, 223 in 2001, and 258 in 2002.

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

3/ Supplemental proceedings are no longer being reported.

Source: The Judiciary, State of Hawaii, records.

Table 4.19-- INMATES PRESENT IN STATE CORRECTIONAL FACILITIES: ANNUAL AVERAGES, 1992 TO 2002

[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
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
2002	10/ 3,988	10/ 1,797	363	949	794	70	15

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.

10/ Excludes sentenced felons incarcerated in four contracted out-of-state facilities and jail inmates held in the Federal Detention Center.

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

Table 4.20-- MEDIAN AGES AND AVERAGE SENTENCES OF SENTENCED FELON POPULATION: 1992 TO 2002

[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)		
			Felons admitted		Felons released: time served
	At admission	Currently as of June 30	Minimum	Maximum	
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
2002	33.8	32.8	(NA)	(NA)	34.7

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 4.21-- HAWAII PAROLING AUTHORITY STATISTICAL SUMMARY: 1999 TO 2002

[Years ended June 30]

Item	1999	2000	2001	2002
Number of parolees, June 30 1/	2,214	2,658	2,595	2,581
Parolees in Hawaii	1,480	1,950	1,818	1,789
Parolees outside Hawaii 2/	371	383	420	423
In institution	88	106	112	106
Whereabouts unknown (cumulative)	275	219	245	263
Minimum imprisonment terms fixed	3,351	3,002	2,817	3,076
Number of persons for whom minimum terms fixed	1,000	883	893	898
Number of parole consideration hearings	1,741	1,853	1,753	1,798
Persons considered for parole	1,000	1,000	988	1,526
Paroles tentatively granted	986	1,114	1,007	1,089
Paroles denied	669	633	645	644
Paroles deferred/continued	86	106	101	65
Parole violation hearings	422	535	584	541
Parole revocations	311	409	463	467
Continued on parole/deferred	111	126	121	74
Pardon investigations	47	68	54	100
Persons recommended for pardon	21	38	(NA)	(NA)
Discharges from parole	320	256	612	582
Full parole term before discharge	160	131	498	359
Early discharge approved	147	114	106	199
Deceased	13	11	8	24

NA Not available.

1/ In addition, provided courtesy supervision to 40 interstate cases as of June 30, 2001 and June 30, 2002.

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.

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: 2002*, 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. 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-Maro Reef	155.5	250.3	12,300	3,749
Maro 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
Nihoa	0.271	0.701
Necker Island	0.071	0.183
French Frigate Shoals	0.096	0.249
Gardner Pinnacles	0.009	0.024
Maro Reef	Awash	Awash
Laysan Island	1.588	4.114
Lisianski Island	0.601	1.556
Pearl and Hermes Atoll	0.139	0.359
Kure Atoll	0.333	0.862

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

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

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

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

1/ For populations, see present volume, table 1.05.
2/ For individual data, see DPED Report GN-6, pp. 3-7.
3/ Includes individual islets in the 10 Northwestern Hawaiian Islands.
Source: Hawaii State Department of Planning and Economic Development, *Geographic Names Approved, Second Quarter 1969* (Report GN-6, July 8, 1969), p. 8; *Data Book 1986,* table 152.

Table 5.10-- AREA AND DEPTH OF SELECTED CRATERS

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

1/ Data exclude North and South Pits.
2/ Data exclude Koolau and Kaupo Gaps.
Source: Measured from U.S. Geological Survey maps by the Hawaii State Department of Business, Economic Development & Tourism.

Table 5.11-- ELEVATIONS OF MAJOR SUMMITS

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

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

Continued on next page.

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

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

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

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

Table 5.12-- MAJOR NAMED WATERFALLS, BY ISLANDS

Island	Waterfall	Height (feet)		Horizontal distance (feet)
		Sheer drop	Cascade	
Hawaii	Kaluahine	...	620	400
	Akaka	442	...	...
	Waiilikahi	320	...	6
Maui	Honokohau	...	1,120	500
	Waihiumalu	...	400	150
Molokai	Kahiwa	...	1,750	1,000
	Papalaua	...	1,200	500
	Wailele	...	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 Waiau 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 Kaua'i and Ni'ihau* (1990), pp. 48-49 and 84.

Table 5.16-- MISCELLANEOUS GEOGRAPHIC STATISTICS, BY ISLAND

Island	Extreme length (miles)	Extreme width (miles)	Miles of sea cliffs with heights 1,000 ft. or more 1/	Miles from coast of most remote point	Percent of area within 5 miles of coast
State total	...	...	33	28.5	48.6
Hawaii	93	76	4	28.5	30.0
Maui	48	26	-	10.6	76.1
Kahoolawe	11	6	-	2.4	100.0
Lanai	18	13	1	5.2	100.0
Molokai	38	10	14	3.9	100.0
Oahu	44	30	-	10.6	79.0
Kauai	33	25	11	10.8	65.0
Niihau	8	6	3	2.4	100.0

Island	Percent of area with elevation --		Approximate mean altitude (feet)	Percent of area with slope --	
	Less than 500 feet	2,000 feet or more		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. 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	105.2	2,140

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

2/ As of December 2001. Eruptions are still in progress. There have been 55 separate episodes that destroyed 185 residences.

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 August 6, 2003.

Table 5.18-- MAJOR EARTHQUAKES: 1838 TO 2002

[Includes all earthquakes with magnitudes of 6.0 or greater, 1838 to 1983, and 5.0 or greater, 1984 to 2002. 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	Honomu, Hawaii	6.2
1975: Nov. 29, 4:47 AM	Puna, Hawaii	7.2
1983: Nov. 16, 6:13 AM	S.E. flank of Mauna Loa	6.7
1984: June 8, 5:34 PM	80 miles S. of Honolulu	5.3
1986: April 26, 7:19 AM	28 miles N.E. of Maui	5.1
1987: Feb. 3, 4:22 PM	26 miles S. of Kahoolawe	5.0
1989: June 25, 5:27 PM	Kalapana area	6.1
1994: Feb. 1, 12:01 AM	Offshore, 12 miles S. of Kilauea	5.2
1997: June 30, 5:47 AM	5 miles W. of Kalapana	5.2
1999: April 16, 2:56 PM	4 miles N. of Pahala	5.6
2000: April 1, 8:18 PM	7 miles S.E. of Kilauea Summit	5.0

Source: Augustine S. Furumoto, N. Norby Nielsen, and William R. Phillips, *A Study of Past Earthquakes, Isoseismic 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 18, 2003.

Table 5.19-- EARTHQUAKES WITH HONOLULU INTENSITIES OF V OR GREATER: 1859 TO 2002

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 2002

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	Purose	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 COUNTIES: 2000

[Million gallons per day]

Use	State total	Hawaii	Honolulu	Kalawao	Kauai	Maui
Total	628.43	53.41	216.91	0.09	45.20	312.82
Ground water	428.00	44.55	208.84	0.09	25.83	148.69
Public supply 1/	242.83	31.16	164.81	0.09	14.94	31.83
Industrial	14.50	0.04	12.93	-	0.27	1.26
Thermoelectric	-	-	-	-	-	-
Irrigation	170.67	13.35	31.10	-	10.62	115.60
Surface water	200.43	8.86	8.07	-	19.37	164.13
Public supply 1/	7.60	2.50	-	-	-	5.10
Industrial	-	-	-	-	-	-
Thermoelectric	-	-	-	-	-	-
Irrigation	192.83	6.36	8.07	-	19.37	159.03

1/ Includes water withdrawn by public and private water systems for use by cities and military bases. Water withdrawn by these facilities may be delivered to users for domestic, commercial, industrial, and thermoelectric purposes, or may be used for water and wastewater treatment, pools, parks and city buildings.

Source: U. S. Department of the Interior, U.S. Geological Survey, Water Resources, records.

Table 5.23-- WATER SERVICES AND CONSUMPTION, FOR COUNTY WATERWORKS: 2000 TO 2002

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

Geographic area	Number of services			Consumption (million gallons)		
	2000	2001	2002	2000	2001	2002
State total	238,665	242,092	245,397	76,401	1/ 78,798	77,868
City and County of Honolulu	155,935	157,429	159,362	51,020	52,608	52,405
Honolulu District 2/	61,406	61,630	62,253	24,077	24,769	24,370
Rest of Oahu	94,529	95,799	97,109	26,943	27,839	28,035
Hawaii County	35,303	35,962	36,490	8,353	8,676	8,925
Kauai County	17,677	18,287	18,524	4,309	4,631	4,226
Maui County	29,750	30,414	31,021	12,719	1/ 12,883	12,312
Maui	28,217	28,872	29,451	12,388	1/ 12,546	11,997
Molokai	1,533	1,542	1,570	331	337	315

1/ Revised.

2/ Maunalua 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-- TOP 25 WATER USERS ON OAHU: MAY 2002 TO APRIL 2003

[Monthly average gallons, in thousands]

Service holder	Consumption
Marine Base in Kaneohe	56,945
Chevron USA Inc.	49,116
State Department of Transportation, Aolele St.	23,824
University of Hawaii	16,716
State Department of Transportation, Paiea St.	13,324
Hilton Hawaiian Village, 2003 Kalia Road	12,837
Sheraton Hawaii Corp.	11,593
Hale Koa Hotel	10,940
Hawaii Kai Golf Course	10,935
Honolulu Zoo	10,419
Halawa Prison	10,026
Kapiolani Park	8,577
Hyatt Regency Waikiki	7,873
Magic Island	7,620
City Department of Envionmental Services, 1614 Sand Island Road	7,416
Hilton Hawaiian Village, 2005 Kalia Road	6,870
United Laundry Service	6,776
Ihilani Resort	6,676
Ala Wai Golf Course	6,420
Ala Moana Hotel	6,242
American Linen	5,839
Mid-Pacific Country Club	5,660
Halekulani Hotel	5,585
Hawaiian Cement	5,431
Keehi Lagoon	5,200

Source: The Honolulu Advertiser, August 7, 2003.

Table 5.26-- HAZARDOUS WASTE SITES: 1996 TO 2001

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

Subject	1996	1997	1998	1999	2000	2001
Number of sites	4	4	4	4	3	1/ 3
Rank (among the 50 states)	45	45	45	45	45	46

1/ The United States total was 1,285 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), 2001 (table 365), and 2002 (table 357).

Table 5.27-- WATER QUALITY AT PUBLIC BEACHES, BY ISLANDS: 2001 AND 2002

Island	Number of locations	Number of samples	Enterococci density 1/			
			Lowest 2/	Highest 3/	Number over 7	Mean 4/
2001						
State total	5/ 53	5/ 1,925	0.3	35.1	5/ 9	2.5
Hawaii	13	341	0.3	5/ 27.8	5/ 5	2.7
Hilo Shoreline	6	183	0.4	5/ 27.8	4	4.3
Kona Shoreline	7	158	0.3	5/ 13.0	5/ 1	1.5
Maui	5/ 13	5/ 400	1.0	4.3	-	2.3
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	14	682	0.9	5/ 22.4	1	2.3
Kauai	13	502	5/ 0.5	35.1	3	3.1
2002						
State total	51	1,974	0.4	34.7	8	3.0
Hawaii	11	320	0.4	18.1	2	2.9
Hilo Shoreline	6	180	0.4	18.1	2	4.9
Kona Shoreline	5	140	0.9	3.6	-	1.5
Maui	14	418	0.7	11.2	1	1.8
Lanai	-	-	(X)	(X)	(X)	(X)
Molokai	-	-	(X)	(X)	(X)	(X)
Oahu	15	702	1.3	25.9	2	3.4
Kauai	11	534	0.9	34.7	3	3.8

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 2001 was reported at Kawaihae LST Landing on the island of Hawaii. The lowest average value in 2002 was reported at Kailua Pier Station A-1 and Anaehoomalu Bay on the island of Hawaii and Barking Sands on the island of Kauai.

3/ The highest average value in 2001 was that reported for Hanamaulu Beach on Kauai. The highest average value in 2002 was that reported for Hanamaulu Beach on Kauai.

4/ Not weighted by number of samples.

5/ Revised.

Source: Hawaii State Department of Health, Clean Water Branch, records.

Table 5.28-- WATER QUALITY AT SELECTED PUBLIC BEACHES: 2001 AND 2002

Island and beach	Number of samples		Enterococci density 1/	
	2001	2002	2001	2002
Hawaii:				
Hapuna Beach	-	-	(X)	(X)
Kahaluu Beach	38	35	3.0	1.9
Kealakekua Bay (off curio stand)	-	-	(X)	(X)
Hilo Bay (Mooheau Park)	-	-	(X)	(X)
Spencer Beach Park	-	-	(X)	(X)
Maui:				
Kapalua (Fleming) Beach (north)	-	-	(X)	(X)
Kihei (north)	-	-	(X)	(X)
Makena Beach	-	-	(X)	(X)
Seven Pools	-	-	(X)	(X)
Sheraton Kaanapali (shoreline)	-	-	(X)	(X)
Lanai:				
Hulopoe Bay	-	-	(X)	(X)
Molokai:				
Kaunakakai Harbor	-	-	(X)	(X)
Oahu:				
Ala Moana Park (center)	-	-	(X)	(X)
Ewa Beach Park	43	49	1.1	2.4
Haleiwa Beach	49	51	1.3	4.3
Hanauma Bay	49	49	1.4	1.3
Kailua Beach Park	49	52	2.3	3.5
Kuhio Beach	51	51	4.0	5.0
Makaha Beach	-	-	(X)	(X)
Waimea Beach	-	-	(X)	(X)
Kauai:				
Anini Park Pavilion	46	48	2.3	2.8
Kalapaki Beach (middle)	46	51	7.5	11.9
Kekaha (Oomano Point)	-	-	(X)	(X)
Poipu Beach Pavilion	46	49	1.6	1.8
West of Lydgate Park (wading pool)	46	49	4.6	4.2

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 5.29-- REFUSE AND SEWAGE STATISTICS FOR OAHU: 1991 TO 2002

[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
2002	897,068	300,833	596,235	40,025

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
2002	49,851	2,399	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 5.30-- AIR QUALITY IN DOWNTOWN HONOLULU: 1988 TO 2002

[Annual arithmetic means, in micrograms per cubic meter ($\mu g/m^3$), 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} ($\mu g/m^3$) 1/	CO (ppm) 2/	Year	PM_{10} ($\mu g/m^3$) 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
			2002	15	0.6

1/ The State and Federal Ambient Air Standard for PM_{10} annual average is 50 $\mu g/m^3$.

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 5.31-- AIR QUALITY AT SPECIFIED LOCATIONS: 2002

[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	5	3/ 90	15	-	9	3
Liliha	6	3/ 101	16	…	…	…
Pearl City	7	3/ 66	15	…	…	…
Kapolei - old 4/	6	55	16	-	9	2
Kapolei - new 4/	6	44	13	-	2	0.3
Makaiwa	…	…	…	-	13	2
West Beach 5/	5	37	13	-	2	0.05
Waimanalo 5/	6	39	12	…	…	…
Kauai:						
Lihue 4/	7	27	14	…	…	…

1/ The State and Federal Ambient Air Standard for 24-hr PM_{10} is 150 $\mu g/m^3$.

2/ The State and Federal Ambient Air Standard for 24-hr SO is 365 $\mu g/m^3$.

3/ Probably due to New Year's fireworks.

4/ Kapolei station shut down on 7/15/02 and moved. New site began operation on 7/26/02.

5/ Manual PM_{10} 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 5.32-- 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., Waiau 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 5.33-- ATMOSPHERIC CARBON DIOXIDE MEASUREMENTS AT MAUNA LOA: ANNUAL MEAN VALUES, 1958 TO 2002

[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/ 356.58
1963	318.83	1978	335.35	1993	4/ 357.01
1964	2/ 319.04	1979	336.73	1994	4/ 358.51
1965	319.87	1980	338.72	1995	360.62
1966	321.21	1981	340.12	1996	4/ 362.40
1967	322.02	1982	341.21	1997	4/ 363.54
1968	322.83	1983	342.87	1998	4/ 366.61
1969	323.93	1984	344.48	1999	4/ 368.33
1970	325.27	1985	345.85	2000	4/ 369.62
1971	326.17	1986	347.21	2001	4/ 371.20
1972	327.26	1987	348.98	2002	372.97

1/ Based on data for 8 months.
2/ Based on data for 9 months.
3/ Based on data for 11 months.
4/ Revised.

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 5.34-- 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	5/ 128.30
Hawaii Volcanoes Nat. Park Hdq.	3,971	52.6	69.0	34	89	5/ 100.95
Naalehu	800	65.8	79.3	50	93	5/ 47.73
Kailua	30	64.1	77.0	54	88	5/ 121.89
Puako 2/	5	68.3	83.8	52	92	5/ 9.09
Waimea (Kamuela)	2,670	66.7	84.3	34	94	6/ 49.76
Honokaa	1,080	67.6	75.5	(NA)	(NA)	5/ 84.32
Mauna Kea summit 3/	13,796	31.3	42.5	11	66	6/ 20.00
Maui:						
Hana Airport	75	5/ 67.2	80.8	50	94	5/ 79.59
Haleakala summit	10,025	38.9	54.6	14	73	5/ 36.52
Kihei 4/	85	70.9	78.4	49	98	5/ 12.96
Kahului Airport	40	67.4	83.7	48	97	5/ 18.77
Lahaina	45	5/ 65.9	5/ 84.8	52	97	5/ 13.77
Molokai:						
Kaunakakai	12	(NA)	(NA)	(NA)	(NA)	5/ 13.90
Molokai Airport	450	5/ 67.4	5/ 80.9	46	96	5/ 24.32
Lanai:						
Lanai City	1,620	5/ 62.2	5/ 75.1	47	89	5/ 34.57

Continued on next page.

Table 5.34-- 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	5/ 83.9	52	95	5/ 20.01
Waikiki (Honolulu Zoo)	10	68.9	84.6	46	95	5/ 23.12
Manoa (Lyon Arboretum)	500	5/ 66.4	5/ 79.2	49	96	5/ 150.18
Kaneohe (State Hospital)	200	5/ 70.9	5/ 83.0	60	96	5/ 49.29
Kahuku	15	5/ 68.9	5/ 80.8	51	99	5/ 40.86
Wheeler AFB	820	68.2	75.5	52	89	5/ 38.46
Waianae	50	72.1	79.7	45	96	5/ 19.97
Kauai:						
Kilauea (town)	320	65.6	77.9	50	89	5/ 66.78
Lihue Airport	103	69.7	81.1	50	90	5/ 41.36
Poipu (Makahuena Pt.)	50	69.3	82.6	50	95	5/ 34.35
Kekaha	9	5/ 64.5	84.8	44	95	5/ 20.66
Kokee (Kanalohuluhulu)	3,600	5/ 51.1	5/ 67.4	29	90	5/ 65.25
Northwestern Hawaiian Islands:						
Midway	10	65.0	78.6	52	89	6/ 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.
5/ Revised.
6/ Not confirmed.
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 Meterology, records.

Table 5.35-- ENVIRONMENTAL INDICATORS: 1997 TO 2001

Indicator	Unit	1997	1998	1999	2000	2001
Electric utility sales	Mil. kWh	9,346	9,261	9,380	9,690	9,777
Total energy used	Tril. Btu	316.1	302.9	308.0	325.2	304.4
Greenhouse gas emissions	Mil. tons 1/	20.5	20.6	20.6	20.7	18.7
Fossil fuel used	Tril. Btu	295.1	284.0	287.0	305.7	289.6
Municipal water consumption	Mil. gal	71,810	73,301	76,610	76,401	78,748
Wastewater treatment and reuse	Percent	10.4	11.3	13.0	13.5	13.3
Solid waste produced	1,000 tons	2,132	2,004	1,884	1,794	1,971
Hazardous waste generated	Tons	1,669	(NA)	1,456	(NA)	(NA)
Rare plant species	Number	586	600	588	588	588
Beaches posted as unsafe due to pollution	Days	28	13	26	20	36
Oil and chemical spills	Number	500	530	526	466	442
Safe drinking water 2/	% population served	98.2	99.8	99.7	98.8	100.0
Environmental expenditures	$ millions	45	60	69	69	51
Noise complaints	Number	461	427	372	536	523
Bikeways	Miles	132.0	104.9	179.7	181.1	206.8
Bus boardings (Oahu)	Millions	68.6	71.8	66.2	66.6	70.4

NA Not available.
1/ Carbon dioxide equivalent.
2/ Below 1994 maximum microbiological and chemical contaminant levels.
Source: The Environmental Council, State of Hawaii, *Environmental Report Card, 2002* , pp. 19-42.

Table 5.36-- 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 5.37-- 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

Continued on next page.

Table 5.37-- 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		
						Mean		Normal
	8 A.M.	2 P.M.	Mean speed	Maximum 2-minute speed		Clear	Cloudy	Precipitation .01 inch or more
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 5.38-- AVERAGE TEMPERATURE, PERCENT OF POSSIBLE SUNSHINE, AND PRECIPITATION, FOR HONOLULU INTERNATIONAL AIRPORT: ANNUALLY, 1950 TO 2001

Year	Average tempera-ture (°F)	Percent of possible sunshine	Precipi-tation (inches)	Year	Average tempera-ture (°F)	Percent of possible sunshine	Precipi-tation (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 5.39-- 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	-	1987	85.7	93
1972	83.2	3	1988	86.1	70
1973	84.4	10	1989	85.2	34
1974	85.0	25	1990	84.0	47
1975	83.6	1			
1976	84.1	9	1991	84.9	35
1977	85.2	16	1992	85.2	28
1978	84.2	13	1993	84.5	23
1979	84.7	51	1994	85.5	85
1980	84.6	22	1995	86.8	116
			1996	85.8	69
1981	84.6	9	1997	85.1	50
1982	83.5	27	1998	83.7	-
1983	85.1	44	1999	83.2	-
1984	85.5	63	2000	84.0	4
1985	84.6	53	2001	84.5	19
1986	86.2	64			

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 5.40-- 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 5.41-- CLIMATIC DATA FOR THE PERIOD OF RECORD

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

1/ Puukohola Heiau National Historical Site, Kawaihae, Hawaii.

2/ Recorded by Dr. Alfred Woodcock 60 meters inside the Mauna Kea summit cone, at 6:50 a.m. The rim at that time had a temperature of 39°F.

3/ Makahuena Point Coast Guard Station, Poipu, Kauai.

Source: Hawaii State Department of Land and Natural Resources, Commission on Water Resource Management, records; University of Hawaii at Manoa, School of Ocean and Earth Science and Technology, Department of Meteorology, records.

Table 5.42--RAINFALL AT SPECIFIED LOCATIONS: ANNUALLY, 1992 TO 2002

[In inches]

Year	Hawaii				Maui		
	Hilo Airport	Lalamilo	Kona Village	Naalehu	Kahului Airport	Kihei	Lahaina
1992	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	76.12	8.86	1.37	17.62	6.36	4.47	1.86
1999	117.10	8.10	3.93	36.55	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
2002	132.36	18.01	9.70	59.15	15.01	13.33	(NA)

Year	Oahu				Kauai		
	Waikiki	University of Hawaii	Nuuanu Res. 4	Kane-ohe	Koloa	Lihue Airport	Prince-ville
1992	17.60	35.00	118.58	60.14	52.53	50.17	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	42.25	56.76	46.57	86.94
1996	29.96	42.11	116.76	62.45	48.81	56.14	85.53
1997	25.30	40.62	116.22	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	88.06	30.76	40.25	33.18	72.98
2000	6.86	18.87	88.20	31.10	30.55	17.96	52.92
2001	15.73	22.69	82.73	32.22	27.00	27.75	72.05
2002	17.26	23.66	106.70	44.16	41.81	31.92	66.81

NA Not available.

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 5.43-- MAJOR HURRICANES: 1950 TO 2002

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 18, 1983, p. A-5; "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 5.44-- 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 5.45-- 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-- SUNRISE, SUNSET, AND HOURS OF DAYLIGHT AT SELECTED LOCATIONS, AT BEGINNING OF EACH SEASON: 2005

[Hawaiian Standard Time]

Subject	Hilo	Kahului	Honolulu	Lihue
Sunrise (a.m.):				
March 20	6:24	6:30	6:35	6:41
June 21	5:43	5:46	5:50	5:55
Sept. 22	6:09	6:15	6:20	6:26
Dec. 21	6:50	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	6:22	6:27	6:33
Dec. 21	5:47	5:50	5:55	6:00
Hours of daylight:				
March 20	12:08	12:07	12:08	12:08
June 21	13:19	13:24	13:26	13:29
Sept. 22	12:07	12:07	12:07	12:07
Dec. 21	10:57	10:52	10:50	10:48

Source: U.S. Naval Observatory, Tables of Sunrise and Sunset <http://aa.usno.navy.mil/data/docs/RS_OneYear.html#form> and <http://aa.usno.navy.mil/data/docs/EarthSeasons.html> accessed August 27, 2003.

Table 5.47-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF MAJOR SPECIES IN THE HONOLULU AREA: 1999 TO 2002

[Counts are made in late December at various locations between Hawaii Kai and Aiea, and between Waimanalo and Kaneohe. 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]

Species	1999	2000	2001	2002
Endemic species: 1/				
'Apapane	43	8	18	30
Hawaiian Moorhen 2/	3/ -	16	19	6
Hawaiian Stilt 2/	151	148	139	146
Oahu 'Amakihi	38	16	55	71
Oahu 'Elepaio	13	16	14	15
Indigenous species: 4/				
Black-crowned Night Heron	38	49	70	61
Brown Booby	11	2	16	7
Great Frigatebird	9	24	34	212
Laysan Albatross	4	3	5	6
Red-footed Booby	969	850	1,085	1,138
White Tern	5	14	22	3
Alien species: 5/				
Cattle Egret	172	140	158	253
Common Myna	1,732	1,647	2,124	2,600
Common Waxbill	713	711	524	862
House Finch	187	265	425	874
House Sparrow	463	394	475	463
Japanese White-eye	6/ 537	430	713	938
Java Sparrow	2,515	2,133	2,012	1,121
Northern Cardinal	95	76	111	105
Nutmeg Mannikin	220	32	48	103
Red-billed Leiothrix	151	87	151	192
Red-crested Cardinal	198	199	299	218
Red-vented Bulbul	1,543	1,089	1,146	2,270
Red-whiskered Bulbul	162	139	298	226
Rock Dove	305	220	219	327
Spotted Dove	1,238	1,121	1,307	1,930
White-rumped Shama	97	101	102	116
Yellow-fronted Canary	163	94	23	37
Zebra Dove	3,956	3,381	3,474	3,894
Visitor species: 7/				
Mallard	8	50	139	99
Pacific Golden-Plover	894	922	1,075	1,585
Ruddy Turnstone	256	326	409	330
Sanderling	40	17	13	4
Wandering Tattler	24	14	17	27

Continued on next page.

Table 5.47-- HAWAII AUDUBON SOCIETY BIRD COUNTS OF MAJOR SPECIES IN THE HONOLULU AREA: 1999 TO 2002 -- Con.

1/ Birds peculiar to Hawaii, and found nowhere else.
2/ Endangered species.
3/ Seen before and after count day but not on count day.
4/ Native to Hawaii, but also found elsewhere.
5/ Formerly termed "introduced". Includes accidental escapes from captivity.
6/ Revised.
7/ Formerly termed "migratory". Includes stragglers and seasonal migrants.
Source: Hawaii Audubon Society, *'Elepaio* (monthly), and records.

Table 5.48-- HAWAII AUDUBON SOCIETY BIRD COUNTS IN THE HONOLULU AREA, BY TYPE OF SPECIES: 1999 TO 2002

[Counts are made in late December of various locations between Hawaii Kai and Aiea, and between Waimanalo and Kaneohe. 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			
	1999	2000	2001	2002	1999	2000	2001	2002
All species	49	46	52	53	17,343	14,840	16,990	20,458
Endemic	1/ 6	7	8	7	1/ 259	217	367	279
Indigenous	1/ 8	7	6	8	1/ 1,108	943	1,232	1,453
Alien	30	27	27	30	1/ 14,754	12,351	13,733	16,678
Visitor	1/ 5	5	11	8	1/ 1,222	1,329	1,658	2,048

1/ Revised.
Source: Hawaii Audubon Society, 'Elepaio (monthly), and records.

Table 5.49-- TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 1997 TO 2002

[As of June 30]

Location	1997	1998	1999	2000	2001	2002
Along City and County streets and highways 1/	135,626	136,982	138,352	139,735	141,237	135,712
In City and County parks	102,083	103,103	104,134	105,175	106,179	102,380

1/ Excludes Federal, State, and private thoroughfares.

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

Table 5.50-- 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 5.51-- THREATENED AND ENDANGERED SPECIES, FOR THE UNITED STATES AND HAWAII

Group	United States	Hawaii
Animal species	517	78
Mammals	74	3
Birds	92	35
Reptiles	36	4
Amphibians	21	-
Fishes	115	-
Clams	70	-
Snails	32	5
Insects	44	23
Arachnids	12	1
Crustaceans	21	7
Plant species	746	359
Flowering plants	715	343
Conifers and cycads	3	-
Ferns and allies	26	16
Lichens	2	-

Source: U.S. Fish and Wildlife Service, Endangered Species Program, Threatened and Endangered Species System (TESS) <http://ecos.fws.gov/tess_public/html/boxscore.html> and <http://ecos.fws.gov/tess_public/TESSSpeciesReport> accessed August 5, 2003.

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: 2002*.

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: 1969 TO 2002

[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/					
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	194,592	1,974,994	1,932,792	10,010
2000: December	4,112,388	193,308	1,976,004	1,933,066	10,010
2001: December	4,112,388	194,556	1,974,106	1,933,687	10,039
2002: December 4/	4,112,388	195,495	1,973,973	1,932,862	10,058

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 1983 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/ May be revised, pending updates of County records.

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, 2002

[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	195,495	1,973,973	1,932,862	10,058
Hawaii	2,573,400	53,293	1,304,684	1,214,669	754
Maui 3/	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 3/	386,188	100,447	156,619	129,122	-
Kauai	353,900	14,550	198,769	139,328	1,253
Niihau	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 4/	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/ May be revised, pending updates of County records.

4/ 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-- NUMBER OF LAND RECORDS, BY COUNTIES: FISCAL YEARS 1991 TO 2004

[Fiscal year ended June 30. Records include taxable, multi-use parcels]

Fiscal Year	State total	City and County of Honolulu	County of Maui	County of Hawaii	County of Kauai
1991	426,392	224,880	51,585	125,779	24,148
1992	433,618	228,025	52,997	127,379	25,217
1993	441,747	233,464	54,039	128,337	25,907
1994	449,744	237,815	55,994	129,434	26,501
1995	456,003	242,285	56,726	129,856	27,136
1996	463,137	246,933	57,665	130,623	27,916
1997	471,212	251,731	58,624	131,981	28,876
1998	475,122	253,886	59,505	132,605	29,126
1999	478,737	255,589	60,490	133,322	29,336
2000	483,879	258,121	61,897	134,308	29,553
2001	487,646	259,456	62,873	135,499	29,818
2002	(NA)	260,662	(NA)	(NA)	30,097
2003	474,660	252,435	60,472	133,321	28,432
2004	478,628	255,029	60,537	134,290	28,772

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) <http://www.co.honolulu.hi.us/rpa/02_staterpt.htm> accessed July 30, 2003.

Table 6.06-- REAL PROPERTY TAX EXEMPTIONS FOR CEMETERIES, CHURCHES, HOSPITALS AND SCHOOLS, BY COUNTIES: 2002-2003

[Fiscal year ended June 30]

Category	Cemeteries	Churches	Hospitals	Schools
NUMBER				
State total	110	1,499	96	179
Honolulu	48	821	75	116
Maui	6	234	12	9
Hawaii	44	306	3	50
Kauai	12	138	6	4
AMOUNT ($1,000)				
State total	42,350	1,185,876	483,510	670,281
Honolulu	36,856	882,974	427,980	567,625
Maui	510	150,301	28,789	28,109
Hawaii	2,706	98,084	11,280	54,002
Kauai	2,277	54,517	15,461	20,545

Source: City and County of Honolulu, Department of Budget and Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2002-2003 Tax Year, State of Hawaii* (September 2002).

Table 6.07-- REAL PROPERTY TAX EXEMPTIONS FOR CEMETERIES, CHURCHES, HOSPITALS AND SCHOOLS, BY COUNTIES: 2003-2004

[Fiscal year ended June 30]

Category	Cemeteries	Churches	Hospitals	Schools
NUMBER				
State total	107	1,506	98	179
Honolulu	46	828	75	115
Maui	6	235	13	10
Hawaii	43	305	3	51
Kauai	12	138	7	3
AMOUNT ($1,000)				
State total	39,556	1,208,224	483,911	680,748
Honolulu	33,973	900,087	432,059	574,132
Maui	507	156,414	29,122	27,380
Hawaii	2,718	100,217	11,727	58,622
Kauai	2,358	51,506	11,003	20,614

Source: City and County of Honolulu, Department of Budget and Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2003-2004 Tax Year, State of Hawaii* (July 2003) <http://www.co.honolulu.hi.us/rpa/02_staterpt.htm> accessed July 30, 2003.

Table 6.08-- LAND OWNED IN FEE SIMPLE BY SELECTED LARGE LANDOWNERS: 2000 TO 2002

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

Landowner	2000	2001	2002
Eight large landowners	976,693	(NA)	954,207
Percent of total land area	1/ 23.8	(NA)	1/ 23.2
Kamehameha Schools 2/	366,042	366,458	365,794
Parker Ranch	136,332	136,686	135,312
Castle & Cooke, Inc.	95,200	(NA)	94,760
Dole Food Company, Inc.	28,515	(NA)	28,507
Samuel M. Damon Estate	121,360	121,360	121,357
Alexander and Baldwin, Inc.	91,100	91,000	90,900
C. Brewer and Company, Ltd.	75,744	3/ 71,188	55,377
James Campbell Estate	62,400	62,200	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.
3/ Revised.
Source: Hawaii State Department of Business, Economic Development & Tourism, annual survey of major landowners.

Table 6.09-- REAL PROPERTY OWNED BY OR LEASED TO THE FEDERAL GOVERNMENT: 2002

[As of September 30]

Subject	2002
Total number of buildings	15,667
Number of owned buildings	15,468
Number of leased buildings	199
Total building area (sq. ft.)	79,001,619
Owned building area (sq. ft.)	78,224,966
Leased building area (sq. ft.)	776,653
Total acres owned by the Federal Government	672,805.6
Public domain acres	267,944.5
Acres acquired by other methods	404,861.1
Acreage of the State of Hawaii	4,105,600
Percentage owned by the Federal Government	16.4

Source: U.S. General Services Administration, *Federal Real Property Profile,* tables 10 and 16, September 30, 2002.

Table 6.10-- DEPARTMENT OF HAWAIIAN HOME LANDS ACREAGE, LESSEES, AND APPLICANTS, BY ISLANDS: JUNE 30, 2002

[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/	201,660	116,963	31,688	50	25,386	7,015	20,558
Homestead leases 2/	7,292	1,765	764	-	828	3,122	513
Residential	5,834	1,294	622	-	390	3,064	464
Agricultural	1,076	494	66	-	411	58	47
Pastoral	382	277	76	-	27	-	2
Applicant waiting list 2/	32,642	11,923	6,191	-	1,671	9,400	3,457
Residential	17,213	4,877	2,902	-	698	7,369	1,467
Agricultural	13,343	5,667	3,043	-	824	2,031	1,778
Pastoral	2,086	1,379	346	-	149	-	212

1/ Data based on latest figures from the trust resolution project. Acreages are rounded to the nearest acre and include 14,201 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 20,000. Data are subject to audit.

Source: Hawaii State Department of Hawaiian Home Lands, records.

Table 6.11-- 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: 2002.*

Table 7.01-- PASSENGERS ARRIVING, BY POINTS OF ORIGIN AND TRANSIT STATUS: 1993 TO 2002

Points of origin and status	1993	1994	1995	1996	1997
All directions	7,878,950	7,909,250	7,957,220	8,049,980	8,182,660
Landing	6,945,630	7,263,820	7,466,710	7,648,880	7,723,580
Intransit	933,320	645,430	490,510	401,100	459,080
Domestic	5,039,640	5,197,640	5,056,770	5,078,740	5,147,470
Landing	4,520,430	4,772,380	4,725,150	4,801,570	4,907,620
Intransit	519,210	425,260	331,620	277,170	239,850
International	2,839,310	2,711,610	2,900,450	2,971,240	3,035,190
Landing	2,425,200	2,491,440	2,741,560	2,847,310	2,815,960
Intransit	414,110	220,170	158,890	123,930	219,230

Points of origin and status	1998	1999	2000	2001	2002
All directions	7,852,500	7,980,220	8,272,973	7,585,952	7,628,963
Landing	7,545,230	7,708,206	7,981,480	7,318,235	7,424,621
Intransit	307,270	272,014	291,493	267,717	204,342
Domestic	5,169,410	5,172,404	5,448,603	5,200,050	5,290,418
Landing	5,033,100	5,088,781	5,318,419	5,071,551	5,253,652
Intransit	136,310	83,623	130,184	128,499	36,766
International	2,683,090	2,807,816	2,824,370	2,385,902	2,338,545
Landing	2,512,130	2,619,425	2,663,061	2,246,684	2,170,969
Intransit	170,960	188,391	161,309	139,218	167,576

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: 2000 TO 2002

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/						
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)
2002, total	(NA)	3,002,997	(NA)	(NA)	628,974	(NA)
Domestic	(NA)	2,202,582	44,630	(NA)	547,604	29,149
International	(NA)	800,416	(NA)	(NA)	81,371	(NA)
PASSENGERS						
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)
2002, total	7,628,973	6,308,545	(NA)	204,342	991,557	(NA)
Domestic	5,290,418	4,278,337	80,513	36,766	850,786	44,016
International	2,338,555	2,030,208	(NA)	167,576	140,771	(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: 1966 TO 2002

	Visitors staying overnight or longer			Average number of visitors present		
Year	Total	Domestic	International	Total	Domestic	International
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	158,247	118,106	40,141
2002	6,389,058	4,358,850	2,030,208	164,572	125,406	39,165

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: 2001 AND 2002

Departure from Major Market Areas (MMA)	2001 Total	2001 Domestic	2001 Inter-national	2002 Total	2002 Domestic	2002 Inter-national
All visitors	6,303,791	4,224,321	2,079,470	6,389,058	4,358,850	2,030,208
US West MMA	2,372,070	2,298,103	73,967	2,486,914	2,432,225	54,689
US East MMA	1,588,163	1,524,743	63,420	1,582,563	1,529,730	52,833
Japan MMA	1,528,564	22,371	1,506,193	1,483,121	16,860	1,466,261
Canada MMA	216,948	43,905	173,043	189,890	35,384	154,506
Other Asia MMA	101,870	30,776	71,094	111,347	40,512	70,835
China	28,664	18,946	9,718	38,923	27,981	10,942
Hong Kong	8,886	2,608	6,278	7,137	1,825	5,312
Korea	44,161	6,538	37,623	48,174	7,915	40,259
Singapore	5,654	855	4,799	3,950	811	3,139
Taiwan	14,505	1,829	12,676	13,163	1,980	11,183
Oceania MMA	81,158	20,829	60,329	108,835	16,176	92,659
Australia	66,830	17,223	49,607	91,911	13,282	78,629
New Zealand	14,330	3,607	10,723	16,924	2,894	14,030
Europe MMA	126,020	104,229	21,791	111,275	88,904	22,371
United Kingdom	75,721	59,631	16,090	67,431	51,454	15,977
France	7,675	6,724	951	6,946	5,844	1,102
Germany	29,112	25,923	3,189	25,266	21,725	3,541
Italy	4,590	4,152	438	4,749	4,240	509
Switzerland	8,923	7,799	1,124	6,883	5,641	1,242
Latin America MMA	14,737	13,312	1,425	13,092	11,665	1,426
Argentina	2,716	2,553	163	1,088	1,008	81
Brazil	5,393	4,546	847	4,245	3,433	812
Mexico	6,627	6,213	414	7,758	7,225	534
Other MMA	274,259	166,053	108,206	302,019	187,392	114,627

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: 1993 TO 2002

Year	Total	Domestic	International
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
2002	60,068,620	45,773,227	14,295,394

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: 2001 AND 2002

County or island	2001			2002		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total	158,243	118,106	40,136	164,572	125,406	39,165
Oahu	79,699	50,315	29,385	82,121	53,202	28,920
Hawaii County	21,064	17,394	3,669	22,277	18,473	3,804
Kauai County	16,830	15,345	1,485	17,432	15,985	1,447
Maui County	40,650	35,053	5,598	42,742	37,746	4,996
Maui	38,723	33,330	5,394	40,744	36,081	4,662
Molokai	831	721	110	955	797	158
Lanai	1,096	1,002	94	1,044	868	175

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: 2001 AND 2002

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

Areas visited	2001			2002		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
State total 1/	6,303,791	4,224,321	2,079,470	6,389,058	4,358,850	2,030,208
Oahu	4,257,535	2,379,285	1,878,250	4,276,077	2,423,169	1,852,908
Kauai	1,008,698	839,368	169,329	1,005,898	849,913	155,985
Maui County 1/	2,104,478	1,685,960	418,518	2,139,427	1,770,103	369,324
Maui	2,048,768	1,640,961	407,806	2,073,051	1,725,051	348,000
Molokai	70,233	52,312	17,921	75,134	53,152	21,983
Lanai	84,905	72,783	12,122	80,875	64,433	16,441
Hawaii County 1/	1,181,551	868,615	312,936	1,243,313	918,680	324,633
Hilo side	387,345	286,159	101,186	448,449	318,422	130,028
Kona side	1,027,781	756,001	271,780	1,033,614	756,541	277,073
One island only	4,883,707	3,111,061	1,772,646	4,677,679	3,200,501	1,477,178
Oahu only	3,067,392	1,487,323	1,580,069	2,818,337	1,497,881	1,320,457

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: 2001 AND 2002

Subject	Total	Domestic	International
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)
2002			
Residence (percent):			
United States	63.7	90.9	5.3
Pacific and Mountain States	38.9	55.8	2.7
California	24.9	36.0	1.0
Males per 100 females	116	132	77
Average age (years)	(NA)	(NA)	(NA)
Persons per party	2.1	1.9	2.5
Arriving June-August (percent)	28.5	29.8	25.9
Repeat visitors (percent)	62.3	66.2	53.8
Pleasure trip (percent)	81.4	79.0	86.7
In hotel only	61.1	52.0	80.6
One island only	73.2	73.4	72.8
Destined beyond Hawaii (percent)	(NA)	1.8	(NA)

NA Not available.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.09-- DOMESTIC VISITORS BY STATES AND REGIONS: 2001 AND 2002

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

Residence	2001	2002
United States	3,829,562	3,961,956
Pacific	1,908,060	2,001,726
Alaska	41,545	41,630
California	1,468,882	1,570,367
Oregon	123,512	121,245
Washington	274,121	268,483
Mountain	390,044	430,499
Arizona	97,564	110,926
Colorado	107,932	121,257
Idaho	24,568	24,013
Montana	15,264	15,393
Nevada	54,879	61,486
New Mexico	18,549	21,595
Utah	65,648	69,565
Wyoming	5,640	6,265
West North Central	193,575	183,216
Iowa	22,236	21,938
Kansas	22,579	20,880
Minnesota	79,592	72,706
Missouri	45,285	43,136
Nebraska	13,170	13,936
N. Dakota	4,806	4,370
S. Dakota	5,907	6,249
West South Central	219,878	233,376
Arkansas	11,590	12,645
Louisiana	15,529	16,782
Oklahoma	21,587	25,548
Texas	171,172	178,400
East North Central	378,162	369,468
Illinois	132,911	132,686
Indiana	42,441	41,267
Michigan	85,000	75,659
Ohio	72,644	74,538
Wisconsin	45,166	45,317
East South Central	70,810	81,117
Alabama	15,640	22,588
Kentucky	19,199	22,623
Mississippi	7,661	7,302
Tennessee	28,310	28,604

Continued on next page.

Table 7.09-- DOMESTIC VISITORS BY STATES AND REGIONS: 2001 AND 2002 -- Con.

Residence	2001	2002
New England	105,925	106,158
Connecticut	26,050	25,598
Maine	6,637	7,314
Massachusetts	53,597	53,890
New Hampshire	9,290	8,962
Rhode Island	6,251	6,300
Vermont	4,100	4,095
Middle Atlantic	240,065	231,823
New Jersey	65,655	62,465
New York	113,548	108,392
Pennsylvania	60,862	60,965
South Atlantic	316,336	324,573
Delaware	4,576	4,257
Washington,D.C.	6,309	6,918
Florida	83,717	87,385
Georgia	53,781	56,378
Maryland	43,543	44,653
N. Carolina	36,595	35,417
S. Carolina	16,114	16,091
Virginia	66,277	68,145
West Virginia	5,425	5,328

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: 2001 AND 2002

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

Subject	Domestic		International	
	2001	2002	2001	2002
All visitors 1/	4,224,321	4,358,850	2,079,470	2,030,208
Purpose of visit: 1/				
Pleasure	3,273,947	3,442,116	1,749,672	1,760,606
Honeymoon/Get married	253,253	271,460	246,525	424,837
Meetings, conventions, incentive 1/	331,360	323,777	92,283	92,460
Convention	204,697	210,206	47,587	44,701
Corporate meeting	76,547	63,661	18,535	17,335
Incentive	53,716	56,778	28,100	32,929
Other business	177,130	193,300	33,236	45,773
Visit friends or relatives	361,100	415,487	74,050	93,926
Government or military	59,955	67,929	21,206	29,511
Attend school	14,362	12,411	9,562	12,065
Traveler method:				
Tour group	333,694	322,348	746,482	713,977
Package	1,372,737	1,477,825	1,510,019	1,455,339
Group tour and package	266,824	259,385	706,832	674,206
True independent	2,784,708	2,818,062	529,783	535,098
Accommodations:				
Hotel	2,483,754	2,631,316	1,749,973	1,720,919
Hotel only	2,213,039	2,268,341	1,675,841	1,636,877
Condo	821,249	853,640	220,767	194,520
Condo only	688,495	680,772	183,667	141,062
Timeshare	322,776	363,851	29,172	26,933
Timeshare only	255,833	274,587	20,310	14,210
Apartment	59,168	30,426	14,000	13,829
Bed & Breakfast	60,037	57,856	10,862	12,010
Cruise ship	121,472	170,746	14,272	21,535
Friends, relatives	485,168	491,537	72,571	96,156

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-- ACTIVITY PARTICIPATION BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2001
(% of visitors)

Activity	U.S. Total	U.S. West	U.S. East	Japan
Sightseeing	90.2	90.0	90.6	93.8
Helicopter / airplane tour	13.8	10.7	18.6	7.0
Boat tour / submarine / whale watching	33.0	30.8	36.3	27.4
Tour bus excursion	19.3	14.2	27.0	42.3
Private limousine / van tour	6.9	4.8	10.1	19.0
Self-guided	79.9	81.4	77.7	61.9
Recreation	88.8	90.0	87.0	79.0
Swimming / sunbathing / beach	80.0	81.0	78.5	69.9
Snorkeling / scuba diving	51.6	54.6	47.1	18.1
Jet skiing / parasailing / windsurfing	5.6	5.0	6.4	6.8
Golf	17.0	17.0	17.0	12.2
Running / jogging / fitness walking	38.3	41.2	34.0	7.6
Gym / health spa	13.0	12.3	14.0	5.1
Backpacking / hiking / camping	21.8	18.9	26.0	7.2
Sports event or tournament	4.5	3.7	5.9	4.3
Entertainment	59.4	56.3	64.0	53.7
Lunch / sunset / dinner / evening cruise	36.1	34.0	39.2	39.3
Lounge act / stage show	34.9	31.7	39.7	25.5
Nightclub / dancing / bar / karaoke	16.9	15.1	19.7	7.8
Shopping	95.6	96.0	95.2	98.7
Department stores	52.8	54.8	49.8	56.9
Designer boutiques	42.8	41.7	44.5	66.4
Hotel stores	60.3	57.0	65.2	56.5
Swap meet / flea markets	30.0	30.5	29.3	15.3
Discount / outlet stores	41.6	42.1	40.9	45.3
Supermarkets	60.6	64.9	54.1	49.4
Convenience stores	65.2	66.8	62.8	77.6
Duty free stores	6.6	6.0	7.4	85.0
Culture	83.0	81.3	85.4	50.1
Historic site	63.7	61.1	67.7	24.4
Museum / art gallery	32.9	34.4	30.6	18.7
Polynesian show / luau	54.5	49.7	61.8	25.7
Art / craft fair	19.6	20.2	18.7	4.5
Festival	4.0	3.1	5.4	5.7
Transportation	91.1	91.4	90.7	91.7
Trolley	11.5	10.0	13.9	62.6
Public Bus	18.3	15.6	22.4	35.1
Taxi / limousine	18.6	17.1	20.8	48.2
Rental car	78.5	79.7	76.6	20.6

Note: Percentages sum more than 100 percent due to multiple island visitation and multiple activities participated in by visitors.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *2001 Visitor Satisfaction and Activity Report* .

Table 7.12-- OVERALL SATISFACTION BY MAJOR CATEGORY BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2001
(% of visitors)

Category	U.S. Total	U.S. West	U.S. East	Japan
Accommodation				
Very Satisfied	77.3	76.1	79.2	45.3
Somewhat Satisfied	20.3	21.7	18.3	47.9
Somewhat Dissatisfied	2.1	2.0	2.4	4.9
Not Satisfied at all	0.2	0.3	0.1	1.9
Restaurants				
Very Satisfied	61.1	60.1	62.6	20.3
Somewhat Satisfied	34.7	35.6	33.3	60.4
Somewhat Dissatisfied	4.0	4.0	3.9	16.6
Not Satisfied at all	0.3	0.3	0.2	2.7
Shopping				
Very Satisfied	65.8	65.2	66.7	41.6
Somewhat Satisfied	31.1	31.6	30.5	50.1
Somewhat Dissatisfied	2.8	3.0	2.5	7.7
Not Satisfied at all	0.3	0.3	0.3	0.7
Golf Courses				
Very Satisfied	71.4	70.5	72.9	27.9
Somewhat Satisfied	24.9	24.9	25.0	51.1
Somewhat Dissatisfied	3.2	4.5	1.3	16.6
Not Satisfied at all	0.4	0.2	0.8	4.4
Activities & Attractions				
Very Satisfied	71.0	70.3	72.2	25.8
Somewhat Satisfied	27.0	27.6	26.2	62.2
Somewhat Dissatisfied	1.7	1.9	1.4	11.0
Not Satisfied at all	0.3	0.3	0.2	1.0
Transportation				
Very Satisfied	65.7	65.2	66.2	40.2
Somewhat Satisfied	29.3	29.4	29.1	47.4
Somewhat Dissatisfied	3.8	3.7	3.9	10.5
Not Satisfied at all	1.3	1.7	0.8	1.8
Airports				
Very Satisfied	63.4	60.9	67.0	23.3
Somewhat Satisfied	33.2	35.3	30.2	62.7
Somewhat Dissatisfied	3.3	3.6	2.7	12.6
Not Satisfied at all	0.2	0.2	0.1	1.4
Parks & Beaches				
Very Satisfied	75.4	73.9	77.6	44.5
Somewhat Satisfied	22.4	23.6	20.8	49.6
Somewhat Dissatisfied	1.9	2.1	1.5	5.6
Not Satisfied at all	0.3	0.4	0.2	0.4

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *2001 Visitor Satisfaction and Activity Report* .

Table 7.13-- OVERALL ISLAND EXPERIENCE BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2001
(% of total visitors)

Criterion by Island	U.S. Total	U.S. West	U.S. East	Japan
Oahu				
Excellent	58.5	58.1	58.9	55.4
Above Average	36.2	37.0	35.3	41.4
Below Average	4.5	4.4	4.6	2.6
Poor	0.8	0.5	1.2	0.7
Maui				
Excellent	71.0	68.1	74.6	52.7
Above Average	26.4	29.3	22.8	41.0
Below Average	2.0	2.5	1.2	6.3
Poor	0.6	0.1	1.4	0.1
Molokai				
Excellent	40.4	40.8	40.1	39.4
Above Average	28.4	31.3	25.9	24.5
Below Average	16.8	24.6	9.8	25.1
Poor	14.3	3.4	24.3	11.1
Lanai				
Excellent	46.9	51.1	42.6	17.0
Above Average	35.0	45.3	24.1	29.8
Below Average	7.3	3.6	11.3	27.0
Poor	10.7	0.0	22.1	26.3
Big Island				
Excellent	64.0	64.2	63.8	51.3
Above Average	32.8	35.3	29.7	40.8
Below Average	2.2	0.5	4.3	7.2
Poor	1.0	0.0	2.2	0.8
Kauai				
Excellent	73.9	73.6	74.2	39.8
Above Average	23.3	24.2	22.1	48.2
Below Average	2.3	2.0	2.7	10.2
Poor	0.5	0.2	1.0	1.9

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *2001 Visitor Satisfaction and Activity Report* .

Table 7.14-- SOURCES OF INFORMATION FOR TRIP PLANNING BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2001 (% of total visitors)

Information Source	U.S. Total	U.S. West	U.S. East	Japan
Travel agents	51.4	51.3	51.7	67.2
Internet	56.4	56.1	57.0	27.8
Personal experience	48.2	52.7	41.3	46.5
Wholesalers	16.1	15.6	17.0	46.9
Friends / relatives	41.3	39.8	43.7	25.1
Magazines	15.1	15.0	15.2	38.3
Books	25.2	22.3	29.6	35.0
Hotels / resorts	29.8	28.6	31.7	11.5
Airlines	30.6	31.2	29.6	13.1
Hawaii Visitors & Convention Bureau	14.9	12.6	18.4	6.3
Newspapers	7.1	8.2	5.5	7.4

Note: Percentages do not sum to 100 percent due to multiple sources used.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *2001 Visitor Satisfaction and Activity Report* .

Table 7.15-- INTERNET USAGE FOR TRIP PLANNING BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2001
(% of total visitors)

How the Internet was used	U.S. Total	U.S. West	U.S. East	Japan
Find things to do	47.6	45.4	50.9	16.2
Estimate costs	41.6	42.8	39.6	6.8
Hotel selection	42.0	42.6	41.0	30.1
Find recreational activities	36.9	37.0	36.8	14.5
Maps and directions	34.8	33.9	36.1	11.1
Locate sightseeing places	28.3	25.0	33.4	15.8
Make airline reservations	34.8	33.9	36.1	7.6
Make restaurant reservations	19.4	18.4	21.0	17.6
Locate shopping places	8.0	7.1	9.2	20.8
Find evening activities	10.0	7.8	13.4	4.6

Note: Percentages do not sum to 100 percent due to multiple sources used.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *2001 Visitor Satisfaction and Activity Report* .

Table 7.16-- SAFETY ISSUES AND OTHER NUISANCES BY VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2001
(% of total visitors)

	U.S. Total	U.S. West	U.S. East	Japan
No problems	92.0	91.9	92.0	93.2
Safety Issues:				
Solicited by drug dealers	5.4	5.4	5.5	4.7
Solicited by prosititutes	1.7	0.9	3.0	3.0
Wallet / purse / valuables stolen	1.9	1.4	2.7	3.7
Room vandalized / robbed	1.1	0.6	1.9	2.3
Car vandalized / robbed	1.8	1.5	2.2	2.1
Physical violence / harm	0.9	0.5	1.6	1.7
Other Nuisance:				
Parking ticket	1.7	1.4	2.1	2.5

Note: Percentages do not sum to 100 percent due to multiple answers selected.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *2001 Visitor Satisfaction and Activity Report* .

Table 7.17-- VISITOR PROFILE AND TRIP CHARACTERISTICS OF VISITORS FROM THE U.S. TOTAL, U.S. WEST, U.S. EAST, AND JAPAN: 2001
(% of visitor respondents)

Characteristic	U.S. Total	U.S. West	U.S. East	Japan
Visitors Income				
Under $15,000	0.5	0.6	0.4	3.9
$15,000-$30,000	3.5	3.6	3.4	9.8
$30,000-$50,000	13.0	11.3	15.5	21.6
$50,000-$100,000	42.5	42.5	42.6	41.2
$100,000 or more	40.4	42.0	38.1	23.3
Percentage of male respondents	49.3	49.5	48.9	48.7
Percentage of female respondents	50.7	50.5	51.1	51.3
Average age of respondents	48.5	47.8	49.0	43.2
Education Attainment				
High School graduate	28.4	30.1	26.1	44.4
Associates degree (2-year)	10.1	10.5	9.6	13.9
Bachelor's degree (4-year)	32.7	31.3	34.8	29.3
Post graduate degree	25.6	25.3	26.1	2.2
Vocational / technical degree	2.3	2.2	2.6	5.1
Employment Status				
Working	70.4	69.6	71.5	63.1
Retired	20.4	20.8	19.6	6.8
Primary Purpose of Trip				
Vacation	78.4	80.2	75.7	71.9
Attend / participate in a wedding	2.8	2.5	3.2	14.5
Attend a convention / conference / seminar	4.6	3.9	5.8	0.9
Visit friends / relatives	3.8	4.1	3.3	1.3
Attend a business meeting / conduct business	4.4	4.5	4.4	1.1
Attend / participate in a cultural event	0.2	0.1	0.3	0.9
Attend / participate in a sporting event	0.5	0.4	0.6	1.6
Medical treatment	0.0	0.0	0.0	0.1
Other	5.3	4.3	6.8	7.7
Secondary Purpose of Trip 1/				
Vacation	52.3	46.5	61.0	52.6
Attend / participate in a wedding	26.5	29.4	22.1	17.9
Attend a convention / conference / seminar	10.4	8.3	13.6	11.5
Visit friends / relatives	5.7	3.8	8.7	10.0
Attend a business meeting / conduct business	5.6	3.9	8.2	15.9
Attend / participate in a cultural event	6.4	5.0	8.5	11.7
Attend / participate in a sporting event	5.2	3.5	7.7	9.0
Medical treatment	4.4	2.8	6.9	9.3
Other	16.7	16.6	16.8	27.7

1/ Percentages sum more than 100 percent due to multiple answers selected.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *2001 Visitor Satisfaction and Activity Report* .

Table 7.18-- LENGTH OF STAY OF VISITORS STAYING OVERNIGHT OR LONGER, BY POINTS OF ORIGIN: 2001 AND 2002

Length of stay	2001			2002		
	Total	Domestic	Interna-tional	Total	Domestic	Interna-tional
All visitors	6,303,791	4,224,321	2,079,470	6,389,058	4,358,850	2,030,208
1 to 6 days	2,495,942	1,016,366	1,479,576	2,541,932	1,108,175	1,433,758
7 to 12 days	2,821,504	2,395,468	426,036	2,823,370	2,406,891	416,479
13 to 30 days	881,079	724,509	156,570	897,918	733,316	164,601
31 to 365 days	105,266	87,978	17,288	125,803	110,433	15,370
Median (days)	7.01	8.00	5.00	7.05	8.00	5.00
Mean (days)	9.16	10.20	7.05	9.40	10.50	7.04

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.19-- JAPANESE VISITOR ARRIVALS AND EXPENDITURES: 1997 TO 2002

Subject	1997	1998	1999	2000	2001 1/	2002
Arrivals (1,000)	2,152	2,004	1,826	1,818	1,529	1,483
Average stay (days)	5.5	5.7	5.7	5.6	5.9	5.9
Expenditures (mil. dol.)	3,402	2,933	2,359	2,370	2,089	2,042

1/ 2001 data have been revised from previous year Data Book.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.20-- AVERAGE EXPENDITURE PER VISITOR DAY, BY ORIGIN OF VISITORS: 1931-1932 TO 2002

[Dollars. Unweighted averages for Mainlanders before 1988 and for Japanese before 1990]

Year	Mainlanders	Japanese	Year	Mainlanders	Japanese
1931-32 1/	17.50	(NA)	1991	140.54	344.29
1951	28.00	(NA)	1992	117.14	344.68
1960-61	32.00	(NA)	1993	116.15	306.54
1965-66 1/	37.23	(NA)	1994	133.79	340.88
1974	46.20	123.00	1995	132.73	356.15
1977	54.62	146.85	1996	137.04	286.89
1980	71.24	185.00	1997	157.07	279.58
1983	85.88	227.32	1998 2/	147.37	235.25
1986	95.40	299.00	1999 2/	148.91	207.46
1987	102.49	324.00	2000 2/	154.92	214.20
1988	121.44	350.00	2001 2/	142.75	227.05
1989	126.57	322.00	2002	150.45	233.13
1990	136.30	294.04			

NA Not available.

1/ Oahu only.

2/ 1998-2001 data have been revised from previous year Data Book.

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 7.21-- AVERAGE EXPENDITURE PER VISITOR DAY IN CONSTANT DOLLARS, FOR VISITORS FROM THE MAINLAND: 1931-1932 TO 2002

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	1992	140.3	83
1951	26.0	108	1993	144.5	80
1960-61	29.8	107	1994	148.2	90
1965-66 2/	32.0	116	1995	152.4	87
1974	49.3	94	1996	156.9	87
1977	60.6	90	1997	160.5	98
1980	82.4	86	1998 3/	163.0	90
1983	99.6	86	1999 3/	166.6	89
1986	109.6	87	2000 3/	172.2	90
1989	124.0	102	2001 3/	177.1	81
1990	130.7	104	2002	179.9	84
1991	136.2	103			

1/ In constant (1982-84) dollars.
2/ Oahu only.
3/ 1998 to 2001 data have been revised from previous year Data Book.
Source: Preceding table; U.S. Bureau of Labor Statistics, *CPI Detailed Report,* and http://stats.bls.gov/blshome.htm.

Table 7.22-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM SELECTED GEOGRAPHIC AREAS, BY EXPENDITURE TYPE: 2001 AND 2002

[In dollars 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	
	2001	2002	2001	2002	2001	2002
All items	136.0	141.9	152.3	163.0	227.0	233.1
Total Food and beverage	33.5	31.5	36.4	35.2	34.6	40.2
Restaurant food	22.5	21.6	25.0	25.5	27.3	30.0
Dinner shows and cruises	3.9	4.1	5.4	5.0	0.0	3.0
Groceries and snacks	7.2	5.7	5.9	4.8	7.3	7.2
Entertainment & Recreation	9.5	8.9	10.9	10.7	5.0	6.0
Total Transportation	13.7	18.4	16.8	21.3	12.0	11.5
Interisland airfare	2.0	3.7	4.4	6.6	4.0	3.4
Ground transportation	1.0	1.0	1.4	1.3	4.9	5.0
Rental vehicles	8.7	11.9	9.0	11.5	2.7	2.7
Gasoline, parking, etc.	1.9	1.9	2.1	1.9	0.4	0.3
Total Shopping	17.3	20.1	23.8	24.4	80.3	82.2
Fashion and clothing	7.4	7.9	8.6	8.5	18.1	17.9
Jewelry and watches	4.1	4.5	7.5	6.8	9.2	10.1
Cosmetics, perfume	0.3	0.5	0.4	0.4	4.7	4.7
Leather goods	0.2	0.4	0.4	0.4	23.7	24.7
Hawaii food products	1.6	2.0	1.8	2.1	1.9	1.8
Souvenirs	3.8	4.8	5.1	6.2	22.8	23.0
Lodging	52.7	51.3	53.3	56.4	66.5	62.8
All other expenses	7.0	7.8	6.9	9.4	11.9	11.4
Tour packages	2.3	3.9	4.4	5.7	16.9	19.2

Continued on next page.

Table 7.22-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM SELECTED GEOGRAPHIC AREAS, BY EXPENDITURE TYPE: 2001 AND 2002 - Con.

[In dollars for visitors who stayed in hotels, condominiums, and bed & breakfasts]

Expenditure type	Visitors from Canada		Visitors from Europe		Visitors from Oceania	
	2001	2002	2001	2002	2001	2002
All items	117.2	115.2	121.4	144.5	132.5	147.6
Total Food and beverage	25.1	25.5	25.9	28.9	28.6	35.9
Restaurant food	16.0	15.0	17.2	21.0	19.2	26.0
Dinner shows and cruises	2.5	3.7	3.2	2.0	2.6	3.3
Groceries and snacks	6.6	6.8	5.5	5.9	6.8	6.7
Entertainment & Recreation	4.9	5.5	5.2	7.5	4.8	6.4
Total Transportation	17.3	14.2	16.5	25.6	12.4	15.1
Interisland airfare	5.9	3.1	4.6	4.5	3.7	5.3
Ground transportation	1.4	0.9	3.6	12.2	2.4	2.6
Rental vehicles	8.8	9.1	7.2	7.9	5.2	5.9
Gasoline, parking, etc.	1.2	1.1	1.0	1.0	1.1	1.4
Total Shopping	12.5	14.9	10.7	15.2	23.2	25.1
Fashion and clothing	5.6	6.7	4.7	7.2	12.3	13.4
Jewelry and watches	1.6	1.6	0.9	1.4	3.4	3.3
Cosmetics, perfume	0.2	0.3	0.3	1.1	1.3	1.5
Leather goods	0.2	0.4	0.3	0.5	0.6	0.7
Hawaii food products	1.2	1.3	1.1	1.7	0.9	1.3
Souvenirs	3.6	4.8	3.4	3.2	4.9	4.8
Lodging	47.7	46.7	52.3	53.2	49.1	52.6
All other expenses	4.1	3.0	4.2	3.9	7.6	5.4
Tour packages	5.5	5.3	6.7	10.2	6.8	7.1

Continued on next page.

Table 7.22-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM SELECTED GEOGRAPHIC AREAS, BY EXPENDITURE TYPE: 2001 AND 2002 - Con.

[In dollars for visitors who stayed in hotels, condominiums, and bed & breakfasts]

Expenditure type	Visitors from Other Asia		Visitors from Latin America		Visitors from Other Market	
	2001	2002	2001	2002	2001	2002
All items	151.3	165.2	137.2	122.7	130.5	146.4
Total Food and beverage	29.4	36.5	20.1	26.1	21.9	30.7
Restaurant food	18.7	24.9	14.7	13.7	13.9	18.0
Dinner shows and cruises	5.1	5.7	1.0	4.2	2.7	6.1
Groceries and snacks	5.6	5.8	4.4	8.2	5.3	6.6
Entertainment & Recreation	6.5	8.3	6.0	5.7	7.5	4.9
Total Transportation	16.2	15.2	47.5	9.8	13.8	17.8
Interisland airfare	6.0	7.6	28.0	3.3	3.8	4.5
Ground transportation	3.3	3.0	0.8	3.5	2.0	3.5
Rental vehicles	5.9	4.0	18.4	2.7	7.2	8.1
Gasoline, parking, etc.	1.0	0.6	0.3	0.3	0.8	1.7
Total Shopping	37.3	39.1	11.9	28.5	24.4	31.8
Fashion and clothing	12.6	11.6	0.3	15.4	12.6	16.0
Jewelry and watches	7.4	7.3	0.0	3.0	3.5	2.6
Cosmetics, perfume	3.5	3.8	2.0	1.3	1.3	2.3
Leather goods	3.8	2.6	0.0	0.2	1.6	1.6
Hawaii food products	4.8	4.8	4.0	1.2	1.7	3.2
Souvenirs	5.2	9.0	5.5	7.3	3.7	6.1
Lodging	43.3	49.3	36.9	42.3	42.5	46.8
All other expenses	7.6	3.7	4.1	0.1	16.2	5.9
Tour packages	11.0	13.1	10.8	10.1	4.2	8.5

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.23-- TOTAL VISITOR EXPENDITURES BY EXPENDITURE TYPE: 2001 AND 2002

[In millions of dollars for visitors who stayed in hotels, condominiums, and bed & breakfasts]

Expenditure type	2001	2002	% Change
All items	8,885.5	9,662.4	8.7
Total Food and beverage	1,918.3	2,017.8	5.2
Restaurant food	1,328.9	1,415.0	6.5
Dinner shows and cruises	206.0	256.1	24.3
Groceries and snacks	383.3	346.7	-9.5
Entertainment & Recreation	499.9	513.1	2.6
Total Transportation	847.1	1,085.8	28.2
Interisland airfare	201.3	275.4	36.8
Ground transportation	111.3	128.2	15.1
Rental vehicles	442.9	587.2	32.6
Gasoline, parking, etc.	91.5	95.0	3.8
Total Shopping	1,701.8	1,866.3	9.7
Fashion and clothing	557.0	606.8	8.9
Jewelry and watches	326.9	341.3	4.4
Cosmetics, perfume	65.8	73.8	12.0
Leather goods	237.8	242.3	1.9
Hawaii food products	97.8	123.2	26.0
Souvenirs	416.5	478.9	15.0
Lodging	3,125.6	3,244.6	3.8
All other expenses	461.4	495.7	7.5
Tour packages	331.5	439.1	32.5

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.24-- EXPENDITURES PER VISITOR DAY BY VISITORS FROM US WEST, US EAST, AND JAPAN, BY VISITOR OR TRIP CHARACTERISTICS: 2001 AND 2002

[Dollars]

Visitor or trip characteristics	Visitors from US West		Visitors from US East		Visitors from Japan	
	2001 1/	2002	2001 1/	2002	2001 1/	2002
All visitors	135.99	141.91	152.34	162.99	227.05	233.13
Group tour status:						
Organized group tour	146.25	144.30	159.50	186.25	225.03	248.34
Individually arranged	135.87	148.25	152.25	161.27	221.22	163.28
Arrived on package tour:						
Yes	148.28	162.72	170.13	173.63	235.01	238.41
No	129.14	140.29	144.73	153.62	171.57	230.96
Accommodations:						
Hotel	156.17	162.52	169.50	179.20	236.24	249.06
Condo	132.58	141.33	163.54	161.04	147.08	141.86
Guests of friends and relatives	(NA)	(NA)	(NA)	(NA)	107.05	93.31
Timeshare	95.57	126.94	113.37	118.27	154.55	139.64
Previous visits:						
First trip	127.44	145.74	154.46	171.93	242.53	254.64
Repeat visitors	138.00	148.68	150.94	155.70	207.42	216.19
Purpose of trip:						
Pleasure	132.59	145.23	143.32	154.05	203.84	212.85
Business: Meetings, conventions, incentive	183.75	174.98	198.58	201.23	226.10	222.95
On honeymoon:	173.04	167.65	233.35	220.86	310.28	329.72

NA Not available due to small sample.

1/ 2001 data have been revised from previous year Data Book.

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

Table 7.25-- ESTIMATED VISITOR EXPENDITURES: 1951 TO 2002

[Millions of dollars]

Year	Personal expenditures	Year	Personal expenditures	Year	Personal expenditures	Additional business expend. 1/
1951	24	1969	550	1987	6,281	395
1952	33	1970	595	1988	7,813	491
1953	43	1971	705	1989	8,371	534
1954	49	1972	836	1990	8,707	375
1955	55	1973	1,017	1991	9,004	814
1956	65	1974	1,233	1992	8,614	697
1957	78	1975	1,355	1993	7,808	664
1958	83	1976	1,637	1994	9,544	710
1959	109	1977	1,834	1995	10,067	1,040
1960	131	1978	2,150	1996	9,569	598
1961	137	1979	2,541	1997	10,102	389
1962	154	1980	2,871	1998 2/	9,497	295
1963	186	1981	3,195	1999 2/	9,455	322
1964	205	1982	3,687	2000 2/	10,011	386
1965	225	1983	3,847	2001 2/	8,916	278
1966	280	1984	4,442	2002	9,706	287
1967	380	1985	4,780			
1968	440	1986	5,567			

1/ By MCI (meetings, conventions, and incentive) visitors. For discussion, see Hawaii Visitors Bureau, *The 1990 Visitor Expenditure Report* (1991), pp. 35-40. See previous year Data Book for 1985-86, not available before 1985.

2/ 1998-2001 data have been revised from previous year Data Book.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.26-- VISITOR EXPENDITURES, BY COUNTRY OF RESIDENCE: 1998 TO 2002

[In thousands of dollars]

Year	Total expendi-tures	Personal (diary) expenditures					Additional business (MCI) expendi-tures
		All countries	United States	Japan	Canada	Other countries	
1998	9,791,776	9,496,633	5,328,647	2,675,941	300,304	1,191,741	295,143
1999	9,777,812	9,455,454	5,776,260	2,152,858	415,976	1,110,360	322,358
2000	10,397,347	10,010,914	6,452,691	2,162,999	391,593	1,003,632	386,433
2001	9,195,908	8,917,676	5,708,118	2,089,235	309,198	811,125	278,231
2002	9,993,775	9,706,449	6,348,023	2,042,238	271,472	1,044,715	287,326

Note: 1998-2001 data have been revised from the previous year Data Book.

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.27-- CRUISE SHIP ARRIVAL AND PASSENGER COUNT: 2001 AND 2002

	2001	2002	2001-2002 growth rate (percent)
Number of Ships	26	27	3.8
Number of Tours 1/	121	133	9.9
Number of Passengers	159,031	242,144	52.3
Out of State Visitors	154,357	235,027	52.3
Arrivied by Air	46,571	63,776	36.9
Arrivied by Ship	107,786	171,251	58.9
Hawaii Residents	4,674	7,117	52.3

1/ A tour starts when a ship first calls a Hawaiian port or when all new passengers embark at a Hawaii port. One ship may make several tours around the Hawaiian islands with a stop at Fanning Island or Christmas Island during the trip.

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

Table 7.28-- 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 7.29-- 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 7.30-- WAIKIKI'S SHARE OF TOURISM: 2002

Measure of Tourism	Statewide Visitor Industry	Waikiki	
		Number	Percent of Statewide Tourism
Visitors	6,389,018	3,718,768 1/	(NA) /2
Average daily visitors census	164,634	71,756 1/	43.6
Visitors units	70,783	31,717	44.8
Occupied units (average)	49,053	22,297	45.5
Total visitor expenditures ($millions) /3	11,024	5,016	45.5

NA Not applicable.
1/ Estimated as a proportion of Oahu.
2/ Because many visitors tour more than one island, percent is not applicable.
3/ Includes a portion of the overseas airfare supporting Hawaii-based airline services.
Source: Hawaii State Department of Business, Economic Development & Tourism, *e-reports, The Economic Contribution of Waikiki.*

Table 7.31-- CONTRIBUTION TO THE STATES' ECONOMY BY STATEWIDE VISITOR INDUSTRY AND WAIKIKI: 2002

Measure of Tourism	Statewide Visitor Industry Contribution to Economy		Waikiki Contribution to State Economy	
	Number	Percent of State Economy	Number	Percent of State Economy
Direct Impact 1/				
Gross State Product (GSP) 2/	(NA)	(NA)	(NA)	(NA)
Civilian Jobs 3/	122,219	17.0	55,610	7.7
State and Local Taxes ($millions)	776	21.6	353	9.8
Direct and Indirect 4/				
GSP ($millions) 4/	7,974	17.3	3,628	7.9
Civilian Jobs 3/	160,787	22.3	73,158	10.2
State and Local Taxes ($millions)	949	26.4	432	12.0

NA Not applicable.

1/ Measures the impact of visitor expenditures on only those firms that sell directly to visitors.

2/ In this Input-Output analysis, direct and indirect GSP are not readily separated.

3/ Civilian jobs include wage and salary jobs plus self-employed but exclude non-civilian military jobs.

4/ Measures the impact of visitor expenditures through all firms that contributed to goods and services sold to visitors.

Source: Hawaii State Department of Business, Economic Development & Tourism, *e-reports, The Economic Contribution of Waikiki.*

Table 7.32-- VISITOR INDUSTRY PRICES, PRICE DEFLATOR, AND PRICE INDEXES: 1980 TO 2002

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-Hono-lulu 3/	Honolulu-Kahu-lui 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	151.79	576.00	94.50	160.0	103.5	176.3
2001 6/	113.4	151.91	(NA)	95.25	164.0	101.0	178.4
2002	114.6	145.71	(NA)	99.00	166.0	102.6	180.3

NA Not available.

1/ Hawaii State Department of Business, Economic Development, & Tourism, calculations.

2/ From Pannell Kerr Forster, *Trends in the Hotel Industry, Hawaii* (monthly).

3/ Unrestricted Coach or Economy weekday fare, including taxes as of July 1, by United Airlines. From chronology in *Data Book,* 1980-2000 (1998 figure as of July 27).

4/ Regular fare, including taxes, as of July 1, by Hawaiian Airlines. From chronology in *Data Book,* 1984-2002 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 & 2001 have been revised from previous year Data Book.

Source: See above footnotes.

Table 7.33-- RETURNING RESIDENTS AND AVERAGE NUMBER ABSENT, BY POINTS OF ORIGIN: 1993 TO 2002

Year	Number returning			Average number absent		
	Total	Domestic	Inter-national	Total	Domestic	Inter-national
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
2002	991,557	850,786	140,771	46,757	35,810	10,947

Source: Hawaii State Department of Business, Economic Development and Tourism, Tourism Research Branch, *Annual Visitor Research Report* (annual) and records.

Table 7.34-- 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 7.35-- 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 7.36-- 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 7.37-- PASSPORTS ISSUED BY THE HONOLULU PASSPORT AGENCY: 1999 TO 2002

[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 (discontinued during 2002)]

Mailing address	1999	2000	2001	2002
Issued by Honolulu Office	67,046	66,540	65,392	74,897
Mailed to Hawaii addresses	44,786	43,060	43,849	50,133
Mailed outside the state	22,260	23,480	21,543	24,764

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

Table 7.38-- PERFORMING ARTS, FOR OAHU: 2001-2002 SEASON

Name of organization and type of performance	Productions	Performances	Attendance
All reporting groups	34	627	155,098
Hawaii Pacific University (Hawaii Loa Campus)	3	50	3,600
Honolulu Theatre for Youth	8	396	114,940
Manoa Valley Theatre	6	90	14,850
University of Hawaii at Manoa	17	91	21,708

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

Table 7.39-- SYMPHONY ORCHESTRA ACTIVITIES: 1986-1987 TO 2001-2002

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
2001-2002	80	58	97,906	6,058,458

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 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2000 TO 2002

[Calendar year data unless otherwise specified]

Island and cultural attraction	2000	2001	2002
OAHU			
Battleship Missouri Memorial	335,400	377,844	362,703
Bernice P. Bishop Museum 1/	283,907	410,565	389,495
Byodo-In Temple	(NA)	(NA)	109,641
The Contemporary Museum 2/	34,120	35,474	35,753
Damien Museum and Archives	24,324	22,395	20,826
Diamond Head State Monument 3/	1,300,000	1,300,000	(NA)
Foster Botanical Garden	43,676	44,277	44,433
Fred Ohrt Water Museum 4/	4,000	2,978	-
Halawa Shaft 5/	3,770	1,889	-
Halawa Xeriscape Garden 4/	3,210	3,786	-
Harold L. Lyon Arboretum	32,000	(NA)	(NA)
Hawaii Maritime Center	62,472	52,172	(NA)
Hawaii's Plantation Village	36,450	15,904	19,730
Honolulu Academy of Arts	277,300	250,488	252,843
Honolulu Police Department Musuem	6,300	7,500	7,800
Honolulu Zoo	584,320	560,000	500,101
Ho'omaluhia Botanical Garden	94,033	90,347	83,827
Iolani Palace State Monument 1/	65,760	69,938	56,005
Judiciary History Center	38,360	37,311	(NA)
Mormon Temple Grounds (Church of Jesus Christ of Latter-Day Saints, Hawaii Temple Visitor's Center)	116,196	111,057	97,119
Polynesian Cultural Center	807,210	758,314	730,443
Puu o Mahuka Heiau State Monument 3/	20,000	20,000	(NA)
Queen Emma Summer Palace	16,443	15,757	14,614
Royal Mausoleum State Monument 3/	115,000	115,000	(NA)
Sea Life Park Hawaii	350,000	310,000	310,000
Tennent Art Foundation Gallery	2,000	2,050	2,500
Tropic Lightning Museum 6/	12,541	12,541	11,508
Ulu Po Heiau State Monument 3/	5,000	5,000	(NA)
U.S. Army Museum, Ft. DeRussy 6/	113,496	104,774	91,604
U.S.S. Arizona Memorial	1,452,704	1,443,956	1,507,560
U.S.S. Bowfin Submarine Museum	194,859	226,517	222,326
University of Hawaii Art Gallery	50,000	52,000	50,000
Waikiki Aquarium 1/	329,949	340,498	328,622
Waimea Falls Park	253,693	235,319	273,382

Continued on next page.

Table 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2000 TO 2002 - Con.

Island and cultural attraction	2000	2001	2002
HAWAII			
Amy B. H. Greenwell Ethnobotanical Garden	5,976	6,069	7,210
Astronaut Ellison S. Onizuka Space Center	17,727	16,650	15,528
Greenwell Store Museum	1,201	1,057	867
Hawaii Tropical Botanical Garden	78,128	68,007	73,573
Hawaii Volcanoes National Park 7/	2,673,817	2,631,649	2,399,361
Hulihee Palace	22,805	25,977	26,784
Lyman House Memorial Museum	21,627	18,101	15,528
Nani Mau Gardens	(NA)	95,126	102,850
Pacific Tsunami Museum	13,636	13,264	14,852
Panaewa Rainforest Zoo	80,000	85,000	120,000
Parker Ranch Historic Homes 8/	12,797	10,400	14,300
Parker Ranch Visitor Center 8/	12,798	10,500	13,200
Volcano Art Center	101,000	102,000	101,000
Wailoa Center 1/	63,850	63,119	(NA)
MAUI			
Alexander & Baldwin Sugar Museum	34,909	31,004	33,386
Aquarium Maui/Maui Ocean Center	400,000	381,000	340,000
Haleakala National Park	1,649,171	1,440,062	1,550,168
Halekii-Pihana Heiaus State Monument 1/	7,200	(NA)	(NA)
Hana Cultural Center	16,963	(NA)	(NA)
Hawaii Nature Center	58,657	41,003	(NA)
Iao Valley State Monument 1/	741,000	(NA)	(NA)
Kula Botanical Gardens	24,200	24,200	27,050
Lahaina Restoration Foundation	218,400	210,349	154,898
Baldwin Missionary Home Museum	52,632	45,106	37,438
Brig *Carthaginian*	44,656	39,476	19,343
Hale Pa'ahao (Old Lahaina Prison)	30,255	29,877	24,632
Hale Pa'i Printing House	5,177	3,184	2,101
Wo Hing Temple Museum	85,680	92,706	71,384
Maui Historical Society Bailey House Museum	14,196	11,681	12,780
Maui Tropical Plantation	240,763	(NA)	(NA)
Whalers Village Museum 9/	189,149	177,024	186,508
KAUAI			
Gay & Robinson Sugar Plantation Visitor Center	4,382	8,927	10,621
Grove Farm Homestead	3,111	2,793	2,997
Kauai Children's Discovery Museum	20,000	19,000	20,000
Kauai Museum	38,000	38,300	40,100
Kilauea National Wildlife Refuge 10/	400,000	400,000	400,000

Continued on next page.

Table 7.40-- ATTENDANCE AT MUSEUMS AND OTHER CULTURAL ATTRACTIONS: 2000 TO 2002 - Con.

Island and cultural attraction	2000	2001	2002
KAUAI - con.			
Kokee Natural History Museum	113,862	100,650	112,170
Waioli Mission House	985	1,040	974
MOLOKAI			
Kalaupapa Settlement	8,644	8,956	14,178

NA Not available.

1/ Years ended June 30.

2/ The Contemporary Museum also manage the First Hawaii Center Gallery (2000 attendence--33,375, 2001 attendence--37,555, 2002 attendence--37,463).

3/ Years ended June 30. 2000-01 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/ Due to the events of September 11, 2001, all Board of Water Supply facilities were closed for security reasons and tours discontinued.

5/ Years ended June 30. The Halawa Shaft was closed July 1 to December 31, 2000. Due to the events of September 11, 2001, all Board of Water Supply facilities were closed for security reasons and tours discontinued.

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

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

8/ Parker Ranch also runs the Parker Ranch Wagon Tour (2000 attendence--3,743, 2001 attendence--2,410, 2002 attendence--2,200)

9/ In previous databooks The Whale Center of the Pacific comprised of two museums: Whalers Village Museun and Hale Kohola (House of the Whale), In July 1999 Hale Kohola was closed bringing an end to The Whale Center of the Pacific.

10/ 2000-2002 Data estimates.

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

Table 7.41-- 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 7.42-- NATIONAL PARKS: 1992 TO 2002

Year and area	Acreage, Dec. 31, 2002			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
2002	249,045	237,503	11,542	6,025,991
AREAS: 2002				
Hawaii Volcanoes National Park 1/	207,643	207,643	-	2,399,361
Haleakala National Park	28,968	28,968	-	1,550,168
Pu'uhonua o Honaunau National Historical Park	419	181	238	377,125
Kaloko-Honokohau National Historical Park	1,164	616	548	70,101
Pu'ukohola Heiau National Historic Site	61	61	-	60,851
U.S.S. Arizona Memorial 2/	11	11	-	1,507,560
Kalaupapa National Historical Park 3/	10,779	23	10,756	60,825

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 7.43-- 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 7.44-- 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	-
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	-

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 7.45-- NATIONAL AND STATE HISTORIC SITES, BY ISLANDS: 2001 AND 2002

[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/
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
2002					
State total	697	318	110	233	36
Hawaii	137	67	23	42	5
Maui	66	30	4	31	1
Kahoolawe	1	-	1	-	-
Lanai	2	-	-	2	-
Molokai	93	41	10	40	2
Oahu	316	142	68	83	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 7.46-- ZOOS: 1999 TO 2002

Subject and Zoo	1999	2000	2001	2002
Species: 1/				
Honolulu Zoo	(NA)	303	300	265
Panaewa Rainforest Zoo (Hilo)	65	73	71	72
Individuals: 1/				
Honolulu Zoo	(NA)	1,229	1,230	1,164
Panaewa Rainforest Zoo (Hilo)	185	171	169	142
Attendance:				
Honolulu Zoo	(NA)	584,320	560,000	500,101
Panaewa Rainforest Zoo (Hilo) 2/	78,000	80,000	85,000	120,000

NA Not available.
1/ Animal and bird inventory, December 31.
2/ Attendance figures for the Panaewa Rainforest Zoo for 1999, 2000, 2001 and 2002 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 7.47-- AQUATIC COLLECTIONS: 2002

[For annual attendance, see table 7.40]

Phylum or class	Sea Life Park, June 30, 2002		Waikiki Aquarium, June 30, 2002	
	Species	Individuals	Species	Individuals
Total	(NA)	(NA)	425	2,293
Fishes	(NA)	(NA)	201	613
Reptiles	(NA)	(NA)	-	-
Mammals	(NA)	(NA)	1	2
Invertebrates	(NA)	(NA)	223	1,678
Birds	(NA)	(NA)	-	-

NA Not available
Source: Sea Life Park, records; Waikiki Aquarium, records.

Table 7.48-- COUNTY PARKS, BY ISLANDS: 2000 TO 2002

[As of December 31]

Island	Number			Acreage		
	2000	2001	2002	2000	2001	2002
State totals	627	632	645	8,466	9,015	9,200
Hawaii	135	135	135	1,377	1,377	1,433
Maui	124	124	130	1,107	1,107	1,212
Lanai	5	5	5	16	16	18
Molokai	14	14	15	75	75	77
Oahu 1/	283	288	293	5,891	6,440	6,460
Kauai	66	66	67	412	412	487

1/ 2000-2002 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 7.49-- ATTENDANCE AND WATER SAFETY AT GUARDED BEACH PARKS, FOR THE CITY AND COUNTY OF HONOLULU: 2002

Beach park	Estimated attendance 1/	Rescues	Drownings	Surfing accidents
All parks	17,817,106	1,388	13	539
Ala Moana	1,756,022	64	2	20
Alii/Haleiwa	400,717	29	-	9
Bellows	114,547	5	-	1
Ehukai	484,381	39	-	49
Hanauma	1,751,318	379	10	4
Kailua	368,722	13	-	2
Keauwaula	130,324	31	-	17
Ke Waena	272,955	10	-	12
Kualoa	268,825	4	-	-
Maili	376,903	21	-	11
Makaha	348,581	59	-	21
Makapuu	208,681	127	1	4
Nanakuli	318,929	50	-	4
Pokai Bay	370,673	13	-	-
Sandy	602,539	277	-	57
Sunset	553,178	37	-	12
Waikiki	8,355,448	119	-	283
Waimanalo	297,141	12	-	10
Waimea	837,222	99	-	23

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 7.50-- 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 7.51-- COUNTY TENNIS FACILITIES: 2000 TO 2002

[As of December 31]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
Locations:							
2000	87	19	12	1	1	45	9
2001	88	19	12	2	1	45	9
2002	88	19	12	2	1	45	9
Courts:							
2000	290	43	42	2	2	179	22
2001	289	43	39	4	2	179	22
2002	289	43	39	4	2	179	22

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from the County parks and recreation departments.

Table 7.52-- GOLF COURSES, BY NUMBER OF HOLES, OWNERSHIP, AND ISLANDS: 2003

Status, island, and ownership	Number of golf courses						Number of holes
	Total	9-hole	18-hole	27-hole	36-hole	54-hole	
State total	76	7	59	4	4	2	1,485
Hawaii	17	2	13	-	2	-	324
Municipal	1	-	1	-	-	-	18
Private	16	2	12	-	2	-	306
Maui	9	-	6	-	1	2	252
Municipal	1	-	1	-	-	-	18
Private	8	-	5	-	1	2	234
Lanai	3	1	2	-	-	-	45
Private	3	1	2	-	-	-	45
Molokai	2	1	1	-	-	-	27
Private	2	1	1	-	-	-	27
Oahu	36	2	30	3	1	-	675
Military	7	-	6	1	-	-	135
Municipal	6	1	5	-	-	-	99
Private	23	1	19	2	1	-	441
Kauai	9	1	7	1	-	-	162
Municipal	1	-	1	-	-	-	18
Private	8	1	6	1	-	-	144

Source: *The Honolulu Advertiser* , July 13, 2003.

Table 7.53-- COUNTY GOLF COURSES AND CAMPING PERMITS, FOR OAHU: 1991 TO 2002

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
2002	6	99	607,823	12,045

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 7.54-- SONY OPEN SCORES AND PURSES: 1992 TO 2003

[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
2003	72	264	16	4,500,000	810,000

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 7.55-- PUBLIC HUNTING AREAS AND WILDLIFE SANCTUARIES AND REFUGES, BY ISLANDS: OCTOBER 30, 2002

Island	Public hunting areas		Other wildlife sanctuaries and refuges	
	Number	1,000 acres	Number	1,000 acres
State total	61	1,196.6	53	94.9
Hawaii	26	905.4	8	83.3
Maui	7	90.7	10	0.3
Lanai	1	30.8	4	0.0
Molokai	1	16.0	6	0.0
Oahu	12	24.5	18	0.7
Kauai	14	129.2	7	10.5

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

Table 7.56-- FISHING AND HUNTING LICENSES ISSUED: 1997 TO 2002

[Years ended June 30]

Type of license	1997	1998	1999	2000	2001	2002
Freshwater fishing	6,493	6,946	7,197	5,279	6,277	7,537
Hunting	10,477	10,061	9,810	9,804	9,295	9,751

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources and Division of Forestry and Wildlife, records.

Table 7.57-- 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 7.58-- HONOLULU MARATHON REGISTRANTS, FINISHERS AND WINNING TIMES: 1992 TO 2002

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
2002	30,428	26,477	2:12:29	2:29:08

Source: Honolulu Marathon Association, records; Honolulu Marathon Records & Statistics, at <http://www.honolulumarathon.org/stats.html> accessed on January 17, 2003.

Table 7.59-- IRONMAN TRIATHLON WORLD CHAMPIONSHIP PARTICIPANTS, FINISHERS, AND WINNING TIMES: 1992 TO 2002

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
2002	1,541	1,455	8:29:56	9:07:54

Source: Ironman Triathlon World Championship, records; 1995-1998 race results from JTL Timing Systems Hawaii at <http://www.ironmantri.com> and 1999-2002 race results from <http://www.ironmanlive.com> accessed on December 3, 2002.

Table 7.60-- TRANSPACIFIC YACHT CLUB'S HONOLULU RACE ENTRIES AND WINNING TIMES: 1985 TO 2003

[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
2003	57	8:17:01:25	7:12:20:29

Source: Transpac 2003 website, http://www.transpacificyc.org.

Table 7.61-- TOTAL ATTENDANCE AT FOOTBALL BOWL GAMES: 1997-1998 TO 2002-2003 SEASONS

Bowl	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
Oahu Bowl 1/	(X)	34,803	40,974	24,187	(X)	(X)
Aloha Bowl	34,419	34,803	40,974	24,397	(X)	(X)
Hawaii Bowl	(X)	(X)	(X)	(X)	(X)	31,535
Hula Bowl 2/ 3/	20,079	23,719	23,719	23,719	20,000	12,000
Pro Bowl	49,995	50,075	50,112	50,128	50,301	50,125

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, attendence numbers reflect total attendence 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.

3/ 2002-2003 figure represent an estimate as number reported at a "little over 12,000."

Source: *Honolulu Star-Bulletin* and *The Honolulu Advertiser,* various issues.

Table 7.62-- VARSITY SPORTS SUMMARY FOR THE UNIVERSITY OF HAWAII AT MANOA: 1999-2000 TO 2001-2002

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

Sports	Games played 1/				Home games	
	Total	Won	Lost	Tied	Home dates	Attendance
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
2001-2002						
Baseball	56	16	40	-	35	94,804
Basketball (men's)	33	27	6	-	17	126,274
Basketball (women's)	31	23	8	-	18	32,910
Football	12	9	3	-	8	313,345
Volleyball (men's)	32	24	8	-	16	89,387
Volleyball (women's)	35	29	6	-	16	104,222

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 7.63-- PUBLIC HIGH SCHOOL INTERSCHOLASTIC SPORTS: 1999-2000 TO 2001-2002 SEASONS

Sport	Players	Games 1/	Attendance	Expenditure 2/ (dollars)
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
2001-2002:				
Baseball	Boys	(NA)	(NA)	19,127
Basketball	Boys and girls	440	17,282	91,726
Football	Boys	176	80,666	144,318

NA Not available

Note: Data are 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 7.64-- PROFESSIONAL BOXING: 1993 TO 2002

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
2002	3	3	4,477	106,295

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

Table 7.65-- DOG LICENSES ISSUED, BY ISLANDS: 1993 TO 2002

[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
2002	27,115	6,809	3/ 626	50	30	17,752	1,848

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.

3/ For year 2002 Maui County reported data in fiscal year, Maui Humane Society figure not reported.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism from the County Departments of Finance; Hawaiian Humane Society (for Oahu, 1995-2002); 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: 2002*, 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: 1994 TO 2002

Subject	1994	1996	1998	2000	2002
Persons of voting age 1/ (1,000)	875	886	902	2/ 3/ 921	2/ 949
Registered voters (1,000)	489	545	601	637	676
Percent	55.9	61.5	66.6	3/ 69.2	71.2
Votes cast (1,000)	377	370	413	371	385
Percent	43.1	41.8	45.8	3/ 40.3	40.6

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

2/ July 1.

3/ Revised.

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; U.S. Census Bureau, Population Division, *State Characteristic Estimates,* release date: September 28, 2003; *The State of Hawaii Data Book 2002* , 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: 2002

Election and county	Registered voters			Votes cast	
	Both sexes	Male	Female	Number	Percent of reg. voters
PRIMARY ELECTION					
State total	667,679	324,162	343,517	274,517	41.1
Hawaii	88,499	42,586	45,913	35,647	40.3
Maui	77,946	38,430	39,516	27,985	35.9
Honolulu	464,673	225,423	239,250	192,146	41.4
Kauai	36,561	17,723	18,838	18,737	51.2
GENERAL ELECTION					
State total	676,242	328,310	347,932	385,462	57.0
Hawaii	89,478	43,042	46,436	50,368	56.3
Maui	79,045	38,983	40,062	41,554	52.6
Honolulu	470,327	228,151	242,176	270,071	57.4
Kauai	37,392	18,134	19,258	23,464	62.8

Source: State of Hawaii, Office of Elections, records.

Table 8.05-- REGISTERED VOTERS AND VOTES CAST IN PRIMARY AND GENERAL ELECTIONS: 1976 TO 2002

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
2002: Sept. 21	667,679	324,162	343,517	274,517	41.1
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
2002: Nov. 5	676,242	328,310	347,932	385,462	57.0

1/ Distribution by sex as of September 1, 1988, 16 days before the election.
Source: State of Hawaii, Office of Elections, records.

Table 8.06-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES: PRIMARY ELECTION, SEPTEMBER 21, 2002

Office, party, and candidate	Votes
GOVERNOR	
Democrat:	
Hirono, M.	76,709
Case, E.	74,096
Anderson, D. G.	33,384
Nitta, G. Jr.	747
Reyes, A. P.	568
Fernandez, J.	491
Republican:	
Lingle, L.	70,808
Carroll, J.	7,616
Young, C.	454
Libertarian:	
Ryan, T. A.	246
Peabody, G.G.	116
Natural Law:	
Hill, K.	588
Adler, J.	136
Free Energy:	
Cunningham, D. H.	81
Nonpartisan:	
Brewer, J.	136
Tanabe, V. K.	57
Ganzagan, J. M.	45
Sumiye, R. H.	29
Mesker, K.	14
Mattes, P. J.	13
LIEUTENANT GOVERNOR	
Democrat:	
Matsunaga, M.	99,178
Hee, C.	49,342
Ikeda, D. R	22,461
Franklin, M.	4,254
LIEUTENANT GOVERNOR, CONTINUED	
Republican:	
Aiona, J. R	35,422
Tanonaka, D.	27,142
Cavasso, C.	10,085
Libertarian:	
Vaughan, K.	309
Natural Law:	
Stone, T.	357
Morimoto, D.	195
Free Energy:	
Powell, A.	75
Nonpartisan:	
Ing, R.	166
Medeiros, M. K.	97
U.S. HOUSE, DISTRICT 1	
Democrat:	
Abercrombie, N.	69,222
Republican:	
Terry, M.	8,826
Bischoff, S. N.	8,065
Friel, H. J.	3,957
White, O.	2,266
Libertarian:	
Bracken, J. H.	148
U.S. HOUSE, DISTRICT 2	
Democrat:	
Mink, P. T.	67,246
Tataii, S.	14,178

Continued on next page.

Table 8.06-- VOTES CAST FOR CANDIDATES FOR MAJOR OFFICES: PRIMARY ELECTION, SEPTEMBER 21, 2002 -- Con.

Office, party, and candidate	Votes	Office, party, and candidate	Votes
U.S. HOUSE, DISTRICT 2, CONTINUED		COUNTY OF MAUI, MAYOR	
Republican:		Apana, J.	12,388
McDermott, B	20,180	Arakawa, A. M.	10,162
Donovan, J. M.	7,948	Parsons, R. W.	3,819
		Riddick, B.	309
Libertarian:			
Mallan, J.	95		
Duquesne, L.	71		
Natural Law:			
Bedworth, N.	232		
COUNTY OF KAUAI, MAYOR			
Baptiste, B. J.	7,043		
Kouchi, R. D.	6,606		
Valenciano, R. G. B.	3,906		
Nimkie, D. S.	404		

Source: State of Hawaii, Office of Elections <http://www.state.hi.us/elections/reslt02/primary/02swpri5.pdf> accessed July 23, 2003.

Table 8.07-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTIONS: 1988 TO 2002

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
2002	274,517	188,781	79,871	1,392	322	4,151

Source: State of Hawaii, Office of Elections, records.

Table 8.08-- VOTES CAST BY PARTY BALLOT IN PRIMARY ELECTION, BY COUNTIES: SEPTEMBER 21, 2002

Party	State total	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
Total votes cast	274,517	35,647	27,985	192,246	18,737
Democratic	188,781	25,506	18,507	130,191	14,577
Free Energy	91	11	17	49	14
Green	160	160	-	-	-
Libertarian	383	61	63	239	20
Natural Law	758	92	164	461	41
Republican	79,871	9,458	8,718	58,132	3,563
Nonpartisan	322	26	21	270	9
Invalid	4,151	333	516	2,904	522

Source: State of Hawaii, Office of Elections, records.

Table 8.09-- NUMBER OF PRECINCTS, REGISTERED VOTERS, AND VOTES CAST IN GENERAL ELECTION, BY ISLAND: NOVEMBER 5, 2002

Island	Number of precincts	Registered voters	Votes cast	Percent voting
State total	351	676,242	385,462	57.0
Hawaii	67	89,478	50,386	56.3
Maui	38	73,054	39,204	53.7
Lanai	1	1,747	797	45.6
Molokai: Molokai District	4	4,170	1,505	36.0
Kalawao District	1	74	48	64.9
Oahu 1/	219	470,327	270,109	57.4
Kauai	20	37,302	23,413	62.7
Niihau	1	90	51	56.7

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, records.

Table 8.10-- AGE AND SEX OF REGISTERED VOTERS IN GENERAL ELECTION: NOVEMBER 5, 2002

Age	Both sexes	Male	Female
All ages	676,242	328,310	347,932
18 or 19 years	9,576	4,373	5,203
20 to 29 years	93,424	44,370	49,054
30 to 39 years	129,106	63,338	65,768
40 to 49 years	146,237	71,648	74,589
50 to 64 years	168,706	83,550	85,156
65 years and over	129,189	61,031	68,158
Not reported	4	-	4

Source: State of Hawaii, Office of Elections, records.

Table 8.11-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS, 1988 TO 2002

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						
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. REPRE-SENTATIVE, DISTRICT 1						
1988	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
2002	180,733	Abercrombie, N.	131,673	Terry, M.	45,032	4,028
U.S. REPRE-SENTATIVE, DISTRICT 2						
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
2002	179,251	Mink, P. 3/	100,671	McDermott, B.	71,661	6,919

Continued on next page.

Table 8.11-- VOTES CAST FOR MAJOR OFFICES: GENERAL ELECTIONS, 1988 TO 2002 -- Con.

Office and election year	Total votes cast 1/	Democrat		Republican		Other parties: votes
		Candidate	Votes	Candidate	Votes	
STATE GOVERNOR						
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
2002	382,110	Hirono, M.	179,647	Lingle, L.	197,009	5,454

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/ Due to P. Mink's death on September 28, 2002, a special election was held on November 30, 2002 to fill her existing term seat, E. Case (D) won with 23,576 votes. A special election for the next full term was held on January 4, 2003, E. Case (D) won with 33,002 votes.

4/ The total for other parties, 126,127, included 113,158 for F. Fasi (Best) and 12,969 for K. Dudley (Green).

Source: State of Hawaii, Office of Elections <http://www.hawaii.gov/elections>.

Table 8.12-- VOTES CAST FOR THE OFFICE OF MAYOR: GENERAL ELECTIONS, 1992 TO 2002

Election year	Total votes cast 1/	Top candidates: Winner: Candidate	Top candidates: Winner: Votes	Top candidates: Candidate	Top candidates: Votes	Other candidates: votes
CITY & COUNTY OF HONOLULU						
1992	263,328	Fasi, F. (R)	127,939	O'Connor, D. (D)	124,719	10,670
1994 2/						
1996 3/	254,780	Harris, J.	146,034	Morgado, A.	108,746	-
2000 4/						
COUNTY OF HAWAII						
1992	50,266	Yamashiro, S. (D)	27,782	Davis, J. (G)	14,117	8,367
1996	48,974	Yamashiro, S. (D)	19,807	Bonk, K. (G)	16,659	12,508
2000	50,282	Kim, H. (R)	25,289	Holschuh, F. (D)	14,989	10,004
COUNTY OF MAUI						
1994	35,373	Lingle, L. (R)	18,188	Hokama, G. (D)	15,304	1,881
1998	42,451	Apana, J. (D)	22,350	Arakawa, A. (R)	20,101	-
2002	40,671	Arakawa, A. (R)	20,887	Apana, J. (D)	19,784	-
COUNTY OF KAUAI						
1994	21,309	Kusaka, M. (R)	11,321	Tehada, J. (D)	9,988	-
1998	23,679	Kusaka, M. (R)	14,115	Thronas, M. (D)	9,564	-
2002 3/	22,691	Baptiste, B.	12,174	Kouchi, R.	10,517	-

D Democrat.
G Hawaii Green.
R Republican.
1/ Excludes over votes and blank votes.
2/ 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. J. Harris, A. Morgado and other candidates received 67,670, 58,018 and 87,928 votes, respectively.
3/ Nonpartisan election.
4/ In the nonpartisan primary election, Jeremy Harris won with over 50% of the votes, therefore, a runoff in the general election was not necessary. 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.hawaii.gov/elections>.

Table 8.13-- VOTES CAST FOR MAJOR OFFICES, BY COUNTIES: GENERAL ELECTION, NOVEMBER 5, 2002

Office, candidate and party 1/	County of Hawaii	County of Maui	City and County of Honolulu	County of Kauai
U.S. HOUSE, DISTRICT 1				
Abercrombie, N. (D)	-	-	131,673	-
Terry, M. (R)	-	-	45,032	-
Bracken, J. (L)	-	-	4,028	-
U.S. HOUSE, DISTRICT 2				
Mink, P. (D)	26,887	22,402	37,437	13,945
McDermott, R. (R)	18,197	14,435	33,132	5,897
Mallen, J. (L)	1,322	1,170	1,728	499
Bedworth, N. (NL)	497	559	889	255
GOVERNOR / LT. GOVERNOR				
Lingle / Aiona (R)	25,530	20,738	141,315	9,426
Hirono / Matsunaga (D)	23,602	19,513	123,180	13,352
Hill / Stone (NL)	411	530	1,437	183
Ryan / Vaughan (L)	272	152	872	68
Brewer / Ing (N)	104	142	848	53
Cunningham / Powell (F)	49	69	242	22
COUNTY OF MAUI MAYOR				
Arakawa, A.	-	20,887	-	-
Apana, J.	-	19,784	-	-
COUNTY OF KAUAI MAYOR				
Baptiste, B.	-	-	-	12,174
Kouchi, R.	-	-	-	10,517

1/ C, Constitution; D, Democrat; F, Free Energy; L, Libertarian; NL, Natural Law; R, Republican.
Source: State of Hawaii, Office of Elections, records.

Table 8.14-- CAMPAIGN EXPENDITURES: 1998 ELECTIONS

[Dollars. Table excludes national races.]

Election and office	All candidates (dollars)	Number of Candidates	Open Seats
Total	19,995,083.91	401	113
Election:			
Primary	9,714,834.77	363	-
General	5,683,305.02	256	-
Supplemental	4,325,026.10	(NA)	-
Office:			
Governor	8,616,620.07	12	1
Lt. Governor	1,715,197.18	7	1
State Senator	2,432,177.06	44	13
State Representative	2,789,214.53	155	51
Mayor (Maui)	627,445.17	6	1
Mayor (Kauai)	415,393.58	5	1
Council (Honolulu)	1,887,788.98	19	9
Council (Hawaii)	352,430.49	29	9
Council (Maui)	586,680.57	42	9
Council (Kauai)	300,218.26	21	7
Board of Education	29,953.31	23	6
Office of Hawaiian Affairs	241,964.70	38	5

NA Not available.
Source: Hawaii State Campaign Spending Commission, records.

Table 8.15-- NEIGHBORHOOD BOARD ELECTIONS, FOR OAHU: 1989 TO 1999

Year	Number of boards		Board seats elected	Ballots mailed	Voters (ballots cast)
	In operation, Dec. 31	Holding elections			
1989	30	30	438	273,954	91,285
1991	30	30	438	260,923	85,457
1993	30	30	444	279,392	97,476
1995	31	31	447	281,437	85,597
1997	32	32	456	273,768	83,278
1999	32	32	408	299,799	82,574

Source: City and County of Honolulu, Neighborhood Commission records; *Honolulu Advertiser,* May 3, 1999, p. B3.

Table 8.16-- PARTY MEMBERSHIP OF THE STATE LEGISLATURE: 1987 TO 2002

Regular session	House of Representatives				Senate			
	Total	Demo-crats	Repub-licans	Other	Total	Demo-crats	Repub-licans	Other
1987	51	40	11	-	25	20	5	-
1989	51	45	6	-	25	22	3	-
1991	51	45	6	-	25	22	3	-
1993	51	47	4	-	25	22	3	-
1995	51	44	7	-	25	23	2	-
1997	51	39	12	-	25	23	2	-
1999	51	39	12	-	25	23	2	-
2000	51	32	19	-	25	22	3	-
2001	51	32	19	-	25	22	3	-
2002	51	36	15	-	25	20	5	-

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 July 30, 2003.

Table 8.17-- PARTY MEMBERSHIP OF COUNTY COUNCILS: 2001 AND 2002

[As of January]

County	Total seats	Democrats		Republicans		Hawaii Green		Nonpartisan	
		2001	2002	2001	2002	2001	2002	2001	2002
All counties	34	6	-	2	-	1	-	25	34
Hawaii	9	6	-	2	-	1	-	-	9
Maui	9	-	-	-	-	-	-	9	9
Honolulu	9	-	-	-	-	-	-	9	9
Kauai	7	-	-	-	-	-	-	7	7

Source: State of Hawaii, Office of Elections, records.

Table 8.18-- LENGTH OF LEGISLATIVE SESSIONS: 1992 TO 2002

Year	Regular sessions		Special sessions	
	Date convened	Length 1/	Date convened	Length 1/
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
2002	Jan. 16	107	None	-

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 8.19-- LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 2001-2002

Action	Session				
	2001				2002
	Regular	Special	2nd Special	3rd Special	Regular
House bills:					
Carried over from previous year	-	-	-	-	1,521
Introduced	1,691	4	-	23	1,163
Passed 1/	170	2	-	6	179
Vetoed	18	-	-	-	19
Became law 2/	152	2	1	6	158
Senate bills:					
Carried over from previous year	-	-	-	-	1,461
Introduced	1,640	4	-	27	1,087
Passed 1/	179	1	-	9	134
Vetoed	15	-	-	-	28
Became law 3/	164	1	-	9	105
House resolutions:					
Offered	202	2	2	2	180
Adopted	64	2	2	2	83
House concurrent resolutions:					
Offered	205	-	-	18	212
Adopted	27	-	-	13	39
Senate resolutions:					
Offered	112	2	2	2	122
Adopted	57	2	2	2	52
Senate concurrent resolutions:					
Offered	160	-	-	16	182
Adopted	51	-	-	16	42

1/ The 2002 totals include bills proposing constitutional amendments: H.B. 1012, H.B. 2848, and S.B. 996. The 2002 Senate Bills total includes S.B. 748 which did not meet the constitutional requirements of Article III, Section 15 of the Hawaii State Constitution.

2/ The 2001 Second Special Session total includes H.B. 236 which became law without the Governor's signature, because it was vetoed by the Governor and then the veto was overridden by the legislature. The 2002 total includes H.B. 1245, H.B. 1800, and H.B. 2827 which contain vetoed items, and H.B. 2167 and H.B. 2451 which became law without the Governor's signature.

3/ The 2002 total includes S.B. 706 and S.B. 3047 which contain vetoed items.

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: 2002*, Sections 8 and 9.

Table 9.01-- FEDERAL, STATE, AND COUNTY TAX COLLECTIONS: 1980 TO 2002

[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)
2002	9,930,343	5,559,960	4,370,383	3,564,850	805,533

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> and for 2002 <http://www.irs.ustreas.gov/pub/irs-soi/02db06co.xls> accessed May 12, 2003.

Table 9.02-- FEDERAL TAX COLLECTIONS, BY SOURCE: 1998 to 2002

[In thousands of dollars. For fiscal years ended September 30. Receipts shown for the State of Hawaii does not necessarily indicate the Federal tax burden, 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]

Source	1998	1999	2000	2001	2002
Federal collections	4,690,970	5,566,221	6,236,857	6,689,385	5,559,960
Corporate income and excess profits	390,821	586,558	501,902	348,429	606,173
Indiv. income and employment	4,123,307	4,782,537	5,562,189	6,026,480	4,779,462
Income tax not withheld & SECA 1/	1,037,358	1,040,769	1,243,348	1,347,770	1,196,020
Income tax withheld & FICA 2/	3,066,906	3,722,624	4,298,895	4,652,610	3,564,027
Railroad retirement	1	4	4	2	-
Unemployment insurance	19,043	19,140	19,942	26,097	19,415
Estate	92,817	101,810	63,159	81,105	70,828
Gift	12,882	7,770	8,607	10,960	17,195
Excise 3/	71,143	87,545	101,000	222,411	86,302

1/ SECA Self employment insurance contributions.

2/ FICA Federal Insurance Contributions Act, includes old-age, survivors, disability, and hospital insurance taxes on wages and salaries.

3/ 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, 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; *2001* <http://www.irs.ustreas.gov/pub/irs-soi/01db06co.xls> accessed July 15, 2002. *2002* <http://www.irs.ustreas.gov/pub/irs-soi/02db06co.xls> accessed May 12, 2003.

Table 9.03-- STATE AND COUNTY TAX COLLECTIONS, BY SOURCE: 1997 TO 2002

[In thousands of dollars. For fiscal years ended June 30. Report not available for 1999 or 2001]

Source	1997	1998	2000	2002
Total State and county tax collections	4,040,110	4,057,454	4,246,426	4,370,383
State collections	3,301,030	3,324,827	3,496,500	3,564,850
General excise and use	1,457,907	1,425,904	1,536,838	1,612,920
Transient accommodations	125,461	127,081	168,577	157,644
Fuel	136,837	134,017	132,940	142,900
Liquor	38,347	38,894	39,000	39,091
Tobacco	36,427	36,098	42,341	65,547
Insurance	55,847	59,443	68,659	67,941
Public service companies	114,364	120,326	119,505	93,406
Banks and other financial institutions	9,731	15,546	7,057	7,164
Corporate income 1/	57,839	46,209	68,215	45,477
Indiv. income, net income 2/	976,311	1,083,651	1,064,556	67,941
Inheritance and estate	55,847	19,645	22,784	1,071,591
Conveyance	6,007	6,926	9,529	1,784
Environmental response (FY94)	1,781	1,969	1,714	9,820
Rental vehicle surcharge	22,601	22,838	34,587	36,054
Hospital and nursing home 3/	11,559	3,414	25	-
Licenses, permits, and others	24,181	27,804	30,223	33,665
Unemployment compensation	169,984	155,062	149,951	111,908
County collections	739,081	732,627	749,926	805,533
Real property	607,265	598,632	602,625	609,822
Liquor licenses and fees	5,148	5,030	5,234	5,231
Utility franchise	29,403	30,703	29,014	36,233
Public Service Company	(NA)	(NA)	(NA)	37,036
Motor vehicle weight 4/	68,309	69,861	74,669	77,981
Licenses, permits, and others	28,955	28,400	38,382	39,231

1/ Includes payments of estimated taxes less refunds.
2/ Includes withheld and estimated taxes less refunds.
3/ Hospital tax repealed in 1994.
4/ 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: 1998 TO 2001

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
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
2001							
25,000	1,759	7.0	30	1,779	7.1	1,859	7.4
50,000	4,107	8.2	28	4,299	8.6	4,185	8.4
75,000	6,767	9.0	26	6,767	9.0	6,978	9.3
100,000	9,246	9.2	27	9,289	9.3	9,507	9.5
150,000	14,338	9.6	26	14,338	9.6	14,507	9.7

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 1998,* table 1 (July 1999); Ibid. *1999*, table 1 (July 2000); Ibid. *2000*, table 1 (August 2001); and Ibid. 2001, table 1 (August 2002) <http://cfo.dc.gov/services/studies/index.shtm> accessed January 13, 2003.

Table 9.05-- ESTIMATED TAX FREEDOM DAY FOR THE UNITED STATES, EACH OF THE 50 STATES AND WASHINGTON, D.C.: 2003

[Rank is among the 50 states where 50 indicates the earliest Tax Freedom Day in the year 2003. 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 19	(NA)	109	74	(NA)
Alaska	March 30	50	89	69	20
New Mexico	April 3	49	93	58	35
Alabama	April 6	48	96	66	30
Tennessee	April 6	47	96	68	28
Oklahoma	April 6	46	96	63	33
West Virginia	April 6	45	96	61	35
Louisiana	April 7	44	97	63	34
Mississippi	April 7	43	97	62	35
South Dakota	April 8	42	98	67	31
South Carolina	April 8	41	98	66	32
Arkansas	April 9	40	99	66	33
Delaware	April 9	39	99	73	26
Kentucky	April 9	38	99	65	34
Montana	April 9	37	99	66	33
North Dakota	April 11	36	101	66	35
Iowa	April 11	35	101	67	34
Missouri	April 12	34	102	69	33
Nebraska	April 12	33	102	67	35
North Carolina	April 13	32	103	69	34
Hawaii	**April 13**	**31**	**103**	**64**	**39**
Texas	April 13	30	103	73	30
Kansas	April 13	29	103	68	35
Indiana	April 14	28	104	69	35
Oregon	April 14	27	104	72	32
Pennsylvania	April 14	26	104	71	33
Idaho	April 14	25	104	67	37
Ohio	April 14	24	104	67	37
New Hampshire	April 15	23	105	81	24
Florida	April 15	22	105	75	30
Virginia	April 15	21	105	73	32
Utah	April 16	20	106	68	38
Georgia	April 16	19	106	71	35
Michigan	April 17	18	107	73	34
Maryland	April 17	17	107	73	34

Continued on next page.

Table 9.05-- ESTIMATED TAX FREEDOM DAY FOR THE UNITED STATES, EACH OF THE 50 STATES AND WASHINGTON, D.C.: 2003- Con.

Area	Tax Freedom Day	Rank	Number of Days		
			Total Taxes	Federal Taxes	State/Local Taxes
Arizona	April 17	16	107	71	36
Vermont	April 17	15	107	71	36
Wisconsin	April 19	14	109	71	38
Nevada	April 20	13	110	78	32
Illinois	April 20	12	110	76	34
Colorado	April 21	11	111	78	33
Wyoming	April 21	10	111	81	30
Maine	April 22	9	112	68	44
Rhode Island	April 23	8	113	73	40
Minnesota	April 23	7	113	73	40
Washington	April 27	6	117	82	35
New Jersey	April 27	5	117	82	35
California	April 29	4	119	81	38
New York	April 29	3	119	76	43
Massachusetts	May 2	2	122	86	36
Connecticut	May 9	1	129	90	39
District of Columbia	May 7	(NA)	127	80	47

NA Not available.

Source: Tax Foundation, Special Report No. 122, *"Tax Freedom Day Comes on April 19 in 2003, Earliest Since 1992; Tax Cuts and Slow Income Growth Force Tax Burden Down"* (April, 2003) Tables 2, 4, 5 and 6 and <http://www.taxfoundation.org/SR122.pdf> accessed April 21, 2003.

TABLE 9.06--STATE BUSINESS TAX CLIMATE INDEX TOTAL AND BY COMPONENT: 2002

[The higher the score, the more favorable the state's tax system is for business. Rankings do not average across to total. States without a given tax rank equally as number 1 and states with identical scores rank equally. See source for details]

Location		Index Rank					
	Total Score	Total	Individual Income Tax	Corporate Income Tax	Individual Receipts Tax	Sales and Gross Fiscal Balance	Tax Base Conformity
U.S.	5.97	-	-	-	-	-	-
Alabama	6.58	16	5	28	9	19	4
Alaska	7.64	5	50	1	1	2	14
Arizona	6.46	17	17	19	38	9	12
Arkansas	4.43	48	47	41	37	34	25
California	4.36	49	28	44	30	49	48
Colorado	7.69	4	5	14	7	17	11
Connecticut	5.11	37	21	22	48	47	34
Delaware	6.58	15	27	34	1	6	37
District of Columbia	4.55	-	-	-	-	-	-
Florida	7.41	7	5	1	32	8	25
Georgia	5.83	25	5	40	12	39	19
Hawaii	**4.73**	**45**	**42**	**47**	**43**	**30**	**13**
Idaho	5.43	33	23	46	17	37	23
Illinois	6.71	14	20	8	20	23	41
Indiana	7.04	11	24	8	21	28	19
Iowa	5.10	38	40	47	22	10	28
Kansas	5.20	36	44	25	36	32	10
Kentucky	5.37	35	39	36	23	25	16
Louisiana	4.87	41	41	23	24	43	37
Maine	4.83	43	36	37	17	50	27
Maryland	5.53	31	19	31	16	27	44
Massachusetts	6.90	12	32	15	10	31	21
Michigan	6.39	18	38	13	33	13	31
Minnesota	4.84	42	33	24	46	34	47
Mississippi	3.97	50	48	25	49	42	31
Missouri	5.89	23	14	49	11	40	4
Montana	6.33	22	16	50	1	22	15
Nebraska	4.67	46	45	33	29	25	40
Nevada	7.91	3	1	1	35	20	1
New Hampshire	8.05	2	37	8	1	1	45
New Jersey	5.09	40	29	30	30	11	49
New Mexico	5.58	29	34	38	45	24	6
New York	4.80	44	21	35	14	41	50
North Carolina	5.85	24	17	21	15	36	39
North Dakota	5.43	32	49	16	19	45	7
Ohio	4.45	47	46	27	34	46	36
Oklahoma	5.80	27	5	45	12	33	17
Oregon	7.20	9	15	38	1	3	7
Pennsylvania	6.38	19	35	8	39	21	41
Rhode Island	5.55	30	29	18	42	48	30
South Carolina	5.81	26	5	42	27	16	21
South Dakota	7.63	6	1	1	40	15	9
Tennessee	7.04	10	5	8	41	5	33
Texas	6.75	13	26	1	43	4	46
Utah	5.40	34	5	43	26	43	23
Vermont	6.36	20	43	17	8	14	17
Virginia	6.36	21	5	31	6	18	29
Washington	7.37	8	1	1	50	12	1
West Virginia	5.10	39	31	29	47	38	34
Wisconsin	5.69	28	24	20	28	29	43
Wyoming	8.30	1	1	1	24	7	1

Source: Tax Foundation,Background Paper No. 41, *"State Business Tax Climate Index"* (May, 2003) Tables 1 and 2 <http://www.taxfoundation.org/bp41.pdf> accessed July 21, 2003.

Table 9.07-- ESTIMATED TAX BURDEN FOR A FOUR-PERSON FAMILY ON OAHU: 1970, 1988 AND 1999

[In dollars and percent. For 1970 and 1988, based on a gross family income equivalent to four times the per capita personal income estimated for Hawaii. For 1999, salary income is estimated at $81,000 for Alfie (a full- and a part-time jobs) and Anita (a full-time job) plus $1,840 other family income from rental of a condominum unit, dividends from stocks, and interest on bank certificates of deposit. For other underlying assumptions, see sources]

Subject	1970 (dollars)	1988 (dollars)	1999 (dollars)	1999 as percent of total	
				Tax burden	Gross family income
Total tax burden	5,559	25,610	31,107	100.0	37.6
Federal income	2,130	8,096	6,623	21.3	8.0
State income	693	3,693	3,477	11.2	4.2
Social security 1/	1,247	7,758	12,394	39.8	15.0
General excise	304	1,207	3,580	11.5	4.3
Real property	366	1,006	1,099	3.5	1.3
Employment 2/	527	3,301	3,112	10.0	3.8
Specific excise 3/	67	161	200	0.6	0.2
Automobile	225	388	622	2.0	0.8
Direct tax bill	4,342	18,432	19,288	62.0	23.3
Indirect tax bill	1,217	7,178	11,819	38.0	14.3
Gross family income	16,408	62,716	82,840	(X)	100.0
After taxes	10,898	37,106	51,733	(X)	62.4

X Not applicable.

1/ The sum of the amount the Alohas paid for retirement benefits and Medicare and the equal amount paid by their employers on their behalf.

2/ Unemployment compensation, temporary disability insurance, and workers' compensation.

3/ Alcohol, tobacco, telephone and cell.

Source: Tax Foundation of Hawaii, "The Tax Burden of the Arnie Aloha Family" (November 1989) and "The Tax Burden of the Aloha Family" (June 2001).

Table 9.08-- HAWAII STATE GOVERNMENT FINANCES: 1999-2001

[Thousands of dollars. Fiscal year ended June 30]

Category	1999	2000	2001
Total revenue	6,646,380	6,940,637	6,591,146
General revenue	5,614,565	5,728,976	6,045,188
Intergovernmental revenue	1,265,044	1,128,102	1,213,905
Taxes	3,166,663	3,334,743	3,507,770
General sales	1,447,278	1,536,276	1,640,038
Selective sales	468,143	515,636	557,802
License taxes	93,425	110,917	116,464
Individual income	1,068,974	1,064,317	1,105,058
Corporation net income	52,414	75,271	60,499
Other taxes	36,429	32,326	27,909
Current charges	801,355	845,011	858,487
Miscellaneous general revenue	381,503	421,120	465,026
Insurance trust revenue	1,031,815	1,211,661	545,958
Total expenditure	6,265,729	6,604,609	6,792,058
General expenditure, by function:	5,650,751	5,975,493	6,144,750
Education	1,778,197	1,853,805	2,192,291
Public welfare	948,103	1,033,386	1,038,087
Hospitals	184,901	192,039	170,918
Health	354,006	398,125	391,234
Highways	282,399	226,137	232,544
Police protection	6,871	4,953	8,471
Correction	134,302	154,622	148,607
Natural resources	72,549	79,575	91,313
Parks and recreation	36,176	45,851	46,238
Governmental administration	289,794	316,283	328,096
Interest on general debt	486,789	482,948	318,436
Other and unallocable	1,076,664	1,187,769	1,178,515
Insurance trust expenditure	614,978	629,116	647,308
General expenditure	5,650,751	5,975,493	6,792,058
Intergovernmental expenditure	153,220	157,902	124,448
Direct expenditure	5,497,531	5,817,591	6,667,610
Debt at end of fiscal year	5,421,316	5,592,207	5,300,649
Cash and security holdings	13,453,067	12,773,187	13,478,165

Source: U.S. Department of Commerce, <http://www.census.gov/govs/state/99sthi.html>; <http://www.census.gov/govs/state/00sthi.html> and <http://www.census.gov/govs/www/state01.html> accessed May 11, 2003.

Table 9.09-- HAWAII STATE GOVERNMENT FINANCES: 2001

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

Category	Amount	Percent distribution	Per capita
Total revenue	6,591,146	100.00	5,371.76
General revenue	6,045,188	91.72	4,926.80
Intergovernmental revenue	1,213,905	18.42	989.33
Taxes	3,507,770	53.22	2,858.82
General sales	1,640,038	24.88	1,336.62
Selective sales	557,802	8.46	454.61
License taxes	116,464	1.77	94.92
Individual income	1,105,058	16.77	900.62
Corporation net income	60,499	0.92	49.31
Other taxes	27,909	0.42	22.75
Current charges	858,487	13.02	699.66
Miscellaneous general revenue	465,026	7.06	378.99
Insurance trust revenue	545,958	8.28	444.95
Total expenditure	6,792,058	100.00	5,535.50
General expenditure, by function:	6,144,750	90.46	5,007.93
Education	2,192,291	32.28	1,786.71
Public welfare	1,038,087	15.28	846.04
Hospitals	170,918	2.52	139.30
Health	391,234	5.76	318.85
Highways	232,544	3.42	189.52
Police protection	8,471	0.12	6.90
Correction	148,607	2.19	121.11
Natural resources	91,313	1.34	74.42
Parks and recreation	46,238	0.68	37.68
Governmental administration	328,096	4.83	267.40
Interest on general debt	318,436	4.69	259.52
Other and unallocable	1,178,515	17.35	960.48
Insurance trust expenditure	647,308	9.53	527.55
General expenditure	6,792,058	100.00	5,535.50
Intergovernmental expenditure	124,448	1.83	101.42
Direct expenditure	6,667,610	98.17	5,434.07
Debt at end of fiscal year	5,300,649	100.00	4,320.01
Cash and security holdings	13,478,165	100.00	10,984.65

Source: U.S. Department of Commerce, <http://www.census.gov/govs/state/01st12hi.html> accessed May 11, 2003.

Table 9.10-- 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, inherence and estate, hospital and nursing home, and conveyance taxes.

4/ Includes investment and unallocable interest income.

Source: Compiled by the Tax Foundation of Hawaii from Hawaii State Department of Accounting and General Services, Annual Report of the Comptroller.

Table 9.11-- STATE GOVERNMENT OPERATING EXPENDITURES, BY FUNCTION: 1996 TO 1998

[In thousands of dollars. For fiscal years ended June 30. Data include general, special, and proprietary fund expenditures; unemployment trust fund treated as a special fund. Interfund transfers eliminated to avoid duplication. Reports for 1999 and 2000 not available]

Functions	1996	1997	1998
Total	6,019,882	5,999,925	5,777,308
General government: Control	108,191	111,782	116,603
Staff	386,869	380,712	413,659
Public safety: Police and fire	9,651	7,441	8,528
Other protection	156,516	161,647	173,433
Highways	158,990	210,145	178,828
Natural resources	44,996	34,947	36,884
Health and sanitation	173,887	203,053	202,329
Hospitals and institutions	316,030	341,788	324,826
Public welfare	1,039,884	1,104,712	1,026,985
Education: Higher	548,673	536,491	559,590
Public education	863,071	860,644	912,107
Libraries and other	41,733	34,503	33,884
Recreation	37,887	34,903	32,159
Utilities and other enterprises	314,352	277,341	284,225
Debt service 1/	607,529	580,251	466,696
Retirement and pension	268,052	273,211	272,156
Employees' health and hosp. Insurance	639	602	604
Unemployment compensation	233,884	210,135	181,767
Grants-in-aid to counties	2,826	2,986	250
Urban redevelopment and housing	152,857	161,945	127,220
Miscellaneous	205,551	130,611	128,802
Cash capital improvements	347,812	340,075	295,771

1/ Debt service on revenue bonds reimbursable from highway funds included under Highways; from airport and harbor funds under Utilities; Sand Island receipts, land revolving trust, and Veterans' home loan funds under Miscellaneous.

Source: State of Hawaii Department of Accounting and General Services *Annual Comptrollers Report 1997 and 1998* compiled by the Tax Foundation of Hawaii.

Table 9.12-- COUNTY GOVERNMENT OPERATING REVENUES, BY SOURCE: 2002

[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/	1,490,418	1,008,320	194,768	188,640	98,689
Taxes	784,345	504,069	117,836	113,232	49,209
Real Property	609,822	382,449	95,585	93,712	38,076
Liquid Fuel	65,243	46,728	8,570	6,422	3,523
Utility Franchise	36,233	23,748	5,168	4,993	2,323
Public Service Company	37,635	24,821	4,763	5,108	2,943
Motor Vehicle Weight	35,413	26,323	3,749	2,997	2,344
Liquor Licenses & Fees	5,231	2,576	1,532	767	355
Parking Meter Fees	4,084	4,071	-	13	-
Other Licenses & Fees 2/	36,653	27,751	3,322	4,016	1,564
Fines, Forfeits & Penalties	1,772	455	970	347	-
Departmental earnings 3/	280,216	220,846	31,709	15,572	12,089
Mass Transit	31,844	31,844	-	-	-
State Grants	95,288	37,018	19,142	26,893	12,234
Unrestricted 4/	71,542	31,619	16,347	13,336	10,240
Others	23,746	5,399	2,795	13,557	1,994
Federal Grants	140,879	77,916	17,629	23,488	21,845
Hawaii Housing Authority	17	-	17	-	-
Miscellaneous	110,090	101,774	2,611	4,313	1,393

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: 2002

[In thousands of dollars. For fiscal year ended June 30]

Subject	City and Co. of Honolulu	Neighbor Island counties	County of Maui	County of Hawaii	County of Kauai
Total 1/	502,941	793,302	502,941	189,347	101,014
General government:	115,314	57,141	22,121	19,247	15,773
Control	(NA)	8,374	3,734	3,002	1,638
Staff	(NA)	48,767	18,387	16,246	14,134
Public safety:	224,274	127,322	43,764	64,192	19,367
Police and fire	(NA)	105,584	38,040	50,902	16,642
Other protection	(NA)	21,738	5,724	13,290	2,724
Highways	15,122	22,507	9,332	7,237	5,938
Health and sanitation	(NA)	38,502	16,111	14,009	8,382
Public welfare	(NA)	60,167	29,324	19,665	11,178
Public schools	(NA)	55	-	30	25
Recreation	(NA)	35,868	18,646	12,138	5,085
Interest	(NA)	21,017	9,817	8,311	2,888
Bond redemption	(NA)	27,124	12,969	9,391	4,765
Pension and retirement	(NA)	36,219	20,220	11,253	4,746
Salary adjustment	(NA)	508	-	-	508
Mass transit 2/	148,231	2,247	-	2,247	-
Miscellaneous	114,757	37,705	11,330	17,502	8,873
Cash capital improvements	(NA)	32,570	14,958	4,124	13,488
Sanitation	238,244	(NA)	(NA)	(NA)	(NA)
Health and Human Resources	64,905	(NA)	(NA)	(NA)	(NA)
Culture and Recreation	58,410	(NA)	(NA)	(NA)	(NA)
Urban Redev. And Housing	13,319	(NA)	(NA)	(NA)	(NA)
Utilities and Other Enterprises	23,793	(NA)	(NA)	(NA)	(NA)
Capital Outlay	257,866	(NA)	(NA)	(NA)	(NA)
Debt Service	108,933	(NA)	(NA)	(NA)	(NA)

NA Not available. Categories for the City and County of Honolulu may not be strictly comparable to the other counties.

1/ All funds expended by the county excepting certain bond, revolving, loan, and enterprise funds.

2/ 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 2001

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
2001	577,693	2/	23,882,640	41,341	2/

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.

2/ Number of exemptions unavailable for all income classes.

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* and <http://www.irs.ustreas.gov/pub/irs-soi/00in12hi.xls> accessed July 15, 2002; and <http://www.irs.ustreas.gov/pub/irs-soi/01in12hi.xls> accessed July 21, 2003; and 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 2000 AND 2001

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)
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	3/ 848
$20,000 under $30,000	87,354	2,161,736	78,741	161,827	3/ 2,055
$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	7,985	3,753,186	7,981	946,760	118,627
Median income	27,314	...	...	...	...
2001					
All returns	577,693	23,882,640	458,738	3,089,124	6,734
Under $20,000 2/	220,052	1,756,810	119,173	94,657	794
$20,000 under $30,000	90,192	2,234,342	78,339	157,042	2,005
$30,000 under $50,000	111,389	4,341,944	106,096	393,341	3,707
$50,000 under $75,000	77,914	4,771,226	77,126	507,614	6,582
$75,000 under $100,000	39,241	3,371,171	39,144	430,600	11,000
$100,000 under $200,000	31,545	4,068,392	31,507	679,567	21,569
$200,000 or more	7,360	3,338,754	7,353	826,305	112,377
Median income	27,628	...	...	...	...

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://www.irs.gov/pub/irs-soi/00in12hi.xls> and <http://www.irs.gov/pub/irs-soi/01in12hi.xls> accessed June 18, 2003; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.16-- CHARACTERISTICS OF INDIVIDUAL FEDERAL INCOME TAX RETURNS: TAX YEARS 2000 AND 2001

Subject	2000		2001	
	Number of returns	Amount ($1,000)	Number of returns	Amount ($1,000)
All returns and adj. gross income (AGI)	572,178	23,929,238	577,693	23,882,640
Salaries and wages	475,469	16,772,207	481,989	17,342,662
Taxable interest income	367,098	724,088	365,391	727,092
Tax-exempt interest income	21,951	165,270	20,967	165,951
Dividends	161,773	559,918	152,198	425,060
Business or prof. net income (less loss)	82,237	913,144	82,870	930,390
Net capital gain (less loss)	139,766	1,741,105	116,262	1,044,276
Taxable Indiv. Retire. Arrangements distrib.	45,284	468,198	44,780	429,305
Taxable pensions and annuities	106,812	1,967,288	108,543	2,030,953
Taxable Social security benefits	52,945	468,544	53,988	486,288
Total statutory adjustments	98,647	262,851	99,821	265,014
Self-employment retirement plans	6,284	56,770	6,284	56,770
Standard deductions	378,997	2,067,165	382,031	2,171,792
Itemized deductions	193,181	3,788,472	195,662	3,888,714
Medical & dental expenses	32,520	166,854	35,233	187,187
Taxes paid	192,037	1,072,340	194,533	1,085,813
Interest paid	149,226	1,877,484	151,070	1,891,140
Contributions	173,238	445,856	175,162	472,152
Taxable income	468,093	16,093,155	467,267	15,630,307
Total tax credits	155,514	137,282	220,490	175,106
Child care credit	108,831	10,330	28,185	10,376
Earned income credit	67,500	94,456	71,275	102,744
Excess earned income credit (refundable)	54,444	80,397	58,631	89,144
Income tax	446,616	3,123,547	438,303	2,928,845
Tax liability	464,713	3,281,126	458,738	3,089,124
Tax due at time of filing	138,572	409,626	111,402	312,026
Overpayments (negative amount)	399,032	618,342	427,846	747,316

Source: U.S. Treasury Department, Internal Revenue Service, Tax Stats, Individual Tax Statistics, Data by Geographic Areas, State Income <http://www.irs.gov/pub/irs-soi/00in12hi.xls> accessed July 24, 2002 and <http://www.irs.gov/pub/irs-soi/01in12hi.xls> accessed July 21, 2003.

Table 9.17-- INTERNAL REVENUE SERVICE OPERATIONS: 1998 TO 2002

[In number or thousands of dollars. For fiscal years ended September 30. Receipts shown for the State of Hawaii does not necessarily indicate the Federal tax burden, 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]

Subject	1998	1999	2000	2001	2002
Total number of returns filed	1,028,339	1,006,838	1,014,244	1,008,925	984,593
Individual income tax	551,494	553,475	557,444	570,844	577,321
Estate and trust income tax	12,222	12,256	12,619	12,448	12,702
Partnership tax	6,322	6,697	6,717	6,947	7,328
Corporate income tax	26,565	25,644	25,348	25,232	26,141
Estate	559	569	569	564	536
Gift tax	1,433	1,536	1,769	1,654	1,445
Employment taxes	122,775	115,262	109,200	109,268	111,305
Excise tax	1,085	941	1,082	995	1,041
Other	305,884	290,458	299,496	280,973	246,774
Total no. of returns filed electronically	(NA)	(NA)	(NA)	(NA)	(NA)
Individual income tax	(NA)	104,480	124,206	140,941	168,183
Total number of refunds issued	306,583	421,463	423,032	804,860	478,401
Corporate income tax	3,039	2,882	2,577	2,386	2,691
Individual income tax	2/ 295,943	410,665	412,972	795,103	468,348
Employment taxes	7,489	7,649	7,209	7,071	6,998
Estate tax	82	114	114	124	84
Gift tax	14	15	5	20	13
Excise tax	19	138	155	156	267
Total amount of refunds issued ($1,000)	394,335	611,080	633,783	813,597	861,101
Corporate income tax	26,564	31,352	23,946	25,828	80,379
Individual income tax	359,750	567,985	600,949	776,740	766,918
Employment taxes	6,111	6,696	5,676	5,196	5,739
Estate tax	1,572	4,594	2,530	5,050	2,736
Gift tax	95	232	-25	310	755
Excise tax	243	221	707	473	4,574

NA Not available.

Source: Internal Revenue Service, *Data Book, 1998, 1999, 2000 2001 and 2002; and* http://www.irs.ustreas.gov/taxstats/index.html> accessed May 12, 2003.

Table 9.18-- RESIDENT INDIVIDUAL STATE INCOME TAX RETURNS: TAX YEARS 1958 TO 2000

Year income was received	Number of resident returns	Adjusted gross income 1/ ($1,000)	Taxable income ($1,000)	Tax liability ($1,000)
1958	167,976	789,191	50,597	21,095
1959	177,602	911,841	599,402	25,618
1960	193,015	103,639	694,331	29,871
1961	192,644	1,084,611	579,629	28,479
1962	196,393	1,124,475	655,937	28,675
1963	204,828	1,219,950	715,902	31,368
1964	214,238	1,366,111	823,268	36,498
1965	223,391	1,451,319	886,502	39,885
1966	237,920	1,655,995	1,030,994	58,292
1967	243,217	1,792,129	1,134,116	65,439
1968	255,022	2,009,594	1,297,215	77,015
1969	274,600	2,340,353	1,530,237	93,391
1970	282,656	2,572,758	1,705,870	106,460
1971	287,599	2,758,042	1,804,963	114,120
1972	301,603	3,001,141	1,942,768	124,439
1973	316,998	3,307,736	2,128,630	138,670
1974	332,144	3,625,291	2,366,895	158,059
1975	341,706	3,928,483	2,571,637	174,563
1976	353,640	4,200,252	2,791,904	193,023
1977	365,804	4,638,815	3,096,724	217,339
1978	387,694	5,329,157	3,653,434	262,528
1979	410,797	5,541,432	3,818,885	279,008
1980	403,311	6,382,375	4,207,796	317,134
1981	429,100	6,759,002	4,416,316	332,288
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
2000	522,132	19,086,936	14,281,311	996,891

1/ Exclusive of losses.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* (annual) and records; and <http://www.state.hi.us/tax/taxreports.html> accessed January 8, 2003.

Table 9.19-- NONRESIDENT INDIVIDUAL STATE INCOME TAX RETURNS: TAX YEARS 1958 TO 2000

Year income was received	Number of nonresident returns	Hawaii adjusted gross income 1/ ($1,000)	Taxable income ($1,000)	Tax liability ($1,000)
1958	2,042	7,032	4,486	215
1959	2,857	9,455	5,834	265
1960	3,796	11,273	6,237	319
1961	4,181	13,141	4,512	307
1962	4,581	14,466	7,273	329
1963	4,668	14,779	4,838	342
1964	5,653	18,220	8,942	428
1965	16,713	25,433	11,432	514
1966	13,216	36,534	16,376	850
1967	14,595	44,495	22,124	1,123
1968	17,623	54,501	27,622	1,420
1969	21,174	69,168	37,459	1,918
1970	21,709	72,632	38,038	1,987
1971	19,360	67,671	34,611	1,810
1972	20,066	70,777	35,010	1,983
1973	21,091	83,709	41,577	2,443
1974	19,723	80,306	41,041	2,401
1975	20,479	86,345	43,365	2,557
1976	18,844	79,016	40,971	2,519
1977	19,120	27,853	43,919	2,756
1978	21,535	126,005	66,423	3,969
1979	21,109	97,857	53,079	3,085
1980	20,547	124,382	68,021	4,604
1981	19,220	125,460	63,493	4,209
1982	18,734	117,704	59,774	4,206
1983	18,269	141,569	76,856	5,397
1984	18,253	146,749	76,531	5,253
1985	19,761	152,493	83,007	5,958
1986	19,750	158,694	85,946	6,023
1987	24,019	248,057	153,184	10,587
1988	27,942	359,460	246,336	17,677
1989	28,335	348,697	235,916	15,939
1990	34,842	620,995	465,934	33,863
1991	37,192	487,673	330,025	22,703
1992	38,309	414,858	244,432	24,294
1993	37,657	472,539	323,031	22,373
1994	38,986	514,754	362,145	26,152
1995	34,651	420,322	293,600	20,302
1996	32,407	408,173	287,062	20,695
1997	48,183	526,607	2/	49,166
1998	48,815	494,790	2/	53,546
1999	49,545	564,958	685,077	44,132
2000	52,742	1,041,679	1,109,114	61,339

1/ Exclusive of losses.

2/ Hawaii Taxable Income not on N-15 Return.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals* , Table 2 (annual); and for 1994-2000 <http://www.state.hi.us/tax/taxreports.html> accessed January 8, 2003.

Table 9.20-- SOURCES OF INCOME REPORTED BY ELDERLY AND ALL OTHER RESIDENT TAXPAYERS: TAX YEAR 2000

[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	14,059,866	647,809	13,412,057
Taxable dividends	443,881	223,528	220,353
Interest	634,913	340,298	294,615
Sole proprietorships	698,405	62,505	635,900
Capital assets and other property	1,202,057	452,324	749,733
Rents and royalties	8,369	88,378	-80,009
Partnerships	422,540	60,545	361,995
Estates and trusts	73,800	33,603	40,197
Pensions and annuities	1,791,479	1,218,112	573,367
Taxable IRA payouts	384,993	228,924	156,069
Taxable Social Security	419,823	378,599	41,224
All other sources	1,295,117	167,407	1,127,710
Total reportable income for Federal purposes	21,435,246	3,902,035	17,533,211
Plus: Items taxed by Hawaii but not federal 1/	302,276	47,836	254,440
Less: Items taxed by federal but not by Hawaii 2/	2,456,046	1,740,157	715,889
Total reportable income for Hawaii purposes	19,281,476	2,209,714	17,071,762

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: 2000 (* p.19); Department of Taxation unpublished detail, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 9.21-- SOURCES OF INCOME REPORTED BY NONRESIDENT TAXPAYERS: 1999 AND 2000

[In thousands of dollars]

Sources of Income	1999	2000
Total	585,507	1,068,694
Salaries and Wages	465,300	537,628
Interest	22,253	26,650
Ordinary Dividends	6,484	10,642
Capital Assets/Other Property	180,086	303,511
Rents, Royalties, Partnerships, S Corp, Estates and Trusts	65,494	229,352
All other Sources	-154,110	-39,089

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns Individuals: 2000 (* p.16) <http://www.state.hi.us/tax/pubs/00indinc.pdf> accessed July 23, 2003.

Table 9.22-- STATE INCOME TAX RESIDENT RETURNS ON INCOME RECEIVED DURING 2000, 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	522,132	19,086,935,719	14,281,310,888	996,890,741
Taxable resident returns	434,456	19,047,641,910	14,281,310,888	996,890,741
Under $5,000	32,077	100,644,549	43,832,462	965,612
$5,000, under $10,000	45,522	338,480,565	196,887,825	6,947,213
$10,000, under $20,000	80,951	1,210,407,425	838,635,115	42,094,396
$20,000, under $30,000	70,888	1,754,814,560	1,303,894,561	77,663,953
$30,000, under $40,000	49,449	1,713,032,506	1,282,913,925	82,218,474
$40,000, under $50,000	35,764	1,604,269,191	1,176,570,360	77,453,159
$50,000, under $75,000	58,719	3,592,103,921	2,630,739,628	180,528,660
$75,000, under $100,000	29,764	2,563,746,991	1,893,332,097	136,023,265
$100,000, under $150,000	19,627	2,326,236,015	1,772,740,576	134,437,838
$150,000, under $200,000	5,295	901,712,879	709,308,748	56,408,479
$200,000 and over	6,400	2,942,193,308	2,432,455,591	202,149,692
Nontaxable resident returns	87,676	39,293,809	...	...
Loss	6,172	-240,241,232	...	...
Under $5,000	66,628	78,329,729	...	...
$5,000, under $10,000	8,047	57,352,461	...	...
$10,000 and over	6,829	143,852,851	...	...

1/ Total and subtotals exclude losses.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns, Individuals, 2000,* table 1 <http://www.state.hi.us/tax/pubs/00indinc.pdf> accessed January 8, 2003.

Table 9.23-- MEDIAN ADJUSTED GROSS INCOME OF RESIDENT STATE INCOME TAX RETURNS, BY TYPE OF RETURN, 1982 TO 2000, AND BY COUNTIES, 2000

[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
2000	22,157	46,636	14,764	27,948	54,353	19,352
COUNTIES: 2000						
Honolulu	22,633	48,216	14,992	28,968	56,354	19,732
Maui	23,515	47,651	16,780	27,607	52,629	20,341
Hawaii	18,268	39,034	11,817	24,250	47,563	16,970
Kauai	20,778	43,982	14,024	26,460	48,781	17,628

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) and <http://www.state.hi.us/tax/taxreports.html> accessed January 8, 2003.

Table 9.24-- TAX CREDITS CLAIMED BY INDIVIDUALS AND CORPORATIONS: 1999 AND 2000

[In numbers and dollars]

Type of credit	1999		2000	
	Number of returns	Amount of credit	Number of returns	Amount of credit
Number of individual returns filed	566,737		575,108	
Returns with tax credits	242,525	52,982,851	237,136	49,965,423
Low income credit	186,266	8,690,725	181,390	8,255,545
Renter's credit	71,795	7,198,900	70,016	7,025,400
Dependent care credit	26,039	7,803,344	26,432	7,950,416
Child car seat credit	3,629	90,725	4,122	103,050
Capital goods excise credit	3,424	3,556,989	2,972	3,084,549
Fuel credit for commercial fishers	310	109,365	284	99,601
Motion picture credit	7	52,225	11	8,157
Hotel remodeling credit	(NA)	(NA)	66	982,242
Energy device credit	3,948	4,468,091	4,025	4,395,026
Vocational rehabilitation job credit	14	14,060	21	9,319
Enterprise zone credit	35	169,806	6	328,550
High technology credit	21	152,493	102	387,633
Research activities credit	(NA)	(NA)	25	12,765
Other nonrefundable credits 1/	7,058	20,676,128	6,393	17,323,170
Number of corporation income tax returns filed	18,437		16,950	
Returns with tax credits	2,340	21,123,192	2,330	42,918,191
Capital goods tax credit	2,281	18,249,358	2,266	29,708,926
Fuel credit for commercial fishers	21	21,462	21	23,335
Vocational rehabilitation job credit	10	11,277	10	9,643
Hotel remodeling credit	21	1,173,668	61	6,139,089
Energy device credit	17	94,872	5	18,240
Low-income housing credit	24	295,457	9	2,813,122
Other credits 2/	15	1,108,214	61	4,034,618
Other credits 3/	(D)	1,098,499	(D)	2,274,825
Motion picture credit	(D)	1,066,791	(D)	2,235,186
Enterprise zone credit	(D)	31,708	(D)	39,639
High technology credit	(D)	9,715	(D)	6,000
Research activities credit	(NA)	(NA)	(D)	1,753,793
Lifeline telephone service credit	4/	168,884	4/	171,218

Continued on next page.

Table 9.24-- TAX CREDITS CLAIMED BY INDIVIDUALS AND CORPORATIONS: 1999 AND 2000 - Con.

D Data not disclosed.
NA Not available.
1/ Includes the low-income housing tax credit and the credit for taxes paid to other jurisdictions.
2/ Includes high technology credit, enterprise zone credit and motion picture credit.
3/ Includes enterprise zone credit and motion picture credit.
4/ Initiated in 1986. 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: 1999 (May 2001)* <http://www.state.hi.us/tax/pubs/99credit.pdf> and 2000 <http://www.state.hi.us/tax/pubs/2000credit.pdf> accessed February 19, 2003, and records.

Table 9.25-- GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS: 2001 AND 2002

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

Source of revenue	Tax base		Tax collections	
	2001	2002	2001	2002
All sources	54,565,481	55,195,100	1,660,764	1,679,840
Sources taxed at 4 percent	37,773,156	38,415,516	1,510,926	1,536,621
Retailing	17,823,297	17,873,487	712,932	714,939
Services	6,426,452	6,831,646	257,058	273,266
Contracting	3,766,404	4,274,956	150,656	170,998
Theater, amusement, radio	249,098	265,334	9,964	10,613
Interest	251,986	180,766	10,079	7,231
Commissions	781,688	776,171	31,268	31,047
Hotel rentals	2,421,813	2,227,341	96,873	89,094
All other rentals	3,939,186	3,957,275	157,567	158,291
Use (4 percent)	627,937	530,805	25,117	21,232
All others (4 percent)	1,485,296	1,497,736	59,412	59,909
Sources taxed at other rates 1/	16,792,325	16,779,584	80,216	81,406
Insurance solicitors	1,070,236	712,027	1,605	1,068
Sugar processing	1,640	2,389	8	12
Pineapple canning	3,671	3,865	18	19
Producing	499,896	522,418	2,499	2,612
Manufacturing	611,292	612,658	3,056	3,063
Wholesaling	9,171,140	9,288,532	45,856	46,443
Services (intermediary)	322,183	331,944	1,611	1,660
Use (1/2 percent)	5,112,268	5,305,752	25,561	26,529
Unallocated net collections 2/	(X)	(X)	69,622	61,814

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 9.26-- TOBACCO TAX COLLECTIONS: 1994 TO 2002

[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
2002	64,892,154	1,863,028

1/ The rate per cigarette was changed on July 1, 1993 to $0.03 (Act 220; SLH 1993) September 1, 1997 to $0.04; on July 1, 1998 to $0.05; and on September 30, 2002 to $0.06.

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 9.27-- LIQUOR TAX COLLECTIONS: 1990 TO 2002

[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	1997	38,624
1991	40,125	1998 1/	38,361
1992	40,983	1999	37,139
1993	38,286	2000	39,887
1994	38,753	2001	39,379
1995	37,486	2002	38,497
1996	38,624		

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 9.28-- REAL PROPERTY TAX VALUATIONS: 1986 TO 2003

[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
2003	131,562,028	69,116,128	62,445,900	110,384,134

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, 2002-2003 Tax Year, State of Hawaii* (September 2002) <http://www.co.honolulu.hi.us/rpa/02_staterpt.htm> accessed September 24, 2002 and earlier reports as the Department of Finance.

Table 9.29-- REAL PROPERTY TAX VALUATIONS FOR THE STATE, 2000 TO 2003, AND BY COUNTY, 2003

[In thousands of dollars. Fiscal year ended June 30. Gross valuations exclude nontaxable (government) properties]

Subject: State	2000	2001	2002	2003
Assessor's gross valuation 1/	120,687,029	118,929,005	123,394,937	131,562,028
Land	67,673,347	65,241,123	66,563,433	69,116,128
Improvement	53,013,682	53,687,882	56,831,504	62,445,900
Exemptions 1/	18,386,518	18,443,052	18,760,783	19,995,779
Assessor's net taxable valuation	102,300,511	100,485,953	104,634,154	111,566,249
Half of valuation on appeal	1,394,133	1,220,936	1,320,337	1,182,115
Number of appeals	3,786	3,966	3,873	5,866
Valuation for tax rate purposes	100,906,373	98,984,387	103,313,817	110,384,134
Land	61,127,903	58,895,855	60,480,979	63,202,343
Improvement	39,778,470	40,088,532	42,832,838	47,181,791
Amount to be raised by taxation 2/	590,613	579,709	596,685	634,124

Subject: Tax Year 2003	Honolulu	Maui	Hawaii	Kauai
Assessor's gross valuation 1/ 2/	89,211,751	20,554,843	14,266,523	7,528,911
Land	48,031,654	10,106,343	7,008,519	3,969,612
Improvement	41,180,097	10,448,500	7,258,004	3,559,299
Exemptions 1/	14,698,365	1,847,245	2,510,614	939,555
Assessor's net taxable valuation	74,513,386	18,707,598	11,755,909	6,589,356
Half of valuation on appeal	929,030	118,235	65,534	69,316
Number of appeals	4,474	447	284	661
Valuation for tax rate purposes	73,584,356	18,589,363	11,690,375	6,520,040
Land	43,700,127	9,571,760	6,305,306	3,625,150
Improvement	29,884,229	9,017,603	5,385,069	2,894,890
Amount to be raised by taxation	383,724	105,222	103,446	41,732

This table conforms to the convention of "Fiscal Year ending June 30, 2003" as 2003. Earlier *Data Book* tables may have used as "Year" that beginning July 1.

1/ Data exclude nontaxable properties.

2/ As of October 1 for the City and County of Honolulu only.

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) <http://www.co.honolulu.hi.us/rpa/staterpt.htm>; *2002-2003 Tax Year* (September 2002) <http://www.co.honolulu.hi.us/rpa/02_staterpt.htm> accessed September 24, 2002 and earlier reports as Department of Finance.

Table 9.30-- REAL PROPERTY TAX VALUATIONS FOR THE STATE, 2001 TO 2004, AND BY COUNTY, 2004

[In thousands of dollars. Fiscal year ended June 30. Gross valuations exclude nontaxable (government) properties]

Subject: State	2001	2002	2003	2004
Assessor's gross valuation 1/	118,929,005	123,394,937	131,562,028	141,029,581
Land	65,241,123	66,563,433	69,116,128	73,014,576
Improvement	53,687,882	56,831,504	62,445,900	68,015,005
Exemptions 1/	18,443,052	18,760,783	19,995,779	20,740,159
Assessor's net taxable valuation	100,485,953	104,634,154	111,566,249	120,289,422
Half of valuation on appeal	1,220,936	1,320,337	1,182,115	1,035,207
Number of appeals	3,966	3,873	5,866	3,673
Valuation for tax rate purposes	98,984,387	103,313,817	110,384,134	119,254,215
Land	58,895,855	60,480,979	63,202,343	67,260,413
Improvement	40,088,532	42,832,838	47,181,791	51,993,802
Amount to be raised by taxation 2/	579,709	596,685	634,124	705,185

Subject: Tax Year 2004	Honolulu	Maui	Hawaii	Kauai
Assessor's gross valuation 1/ 2/	95,052,358	21,881,762	15,604,652	8,490,809
Land	50,611,844	10,478,590	7,446,551	4,477,591
Improvement	44,440,514	11,403,172	8,158,101	4,013,218
Exemptions 1/	15,096,915	1,903,817	2,629,634	1,109,793
Assessor's net taxable valuation	79,955,443	19,977,945	12,975,018	7,381,016
Half of valuation on appeal	800,898	107,593	86,756	39,960
Number of appeals	2,590	342	620	121
Valuation for tax rate purposes	79,154,545	19,870,352	12,888,262	7,341,056
Land	46,445,492	9,972,448	6,753,022	4,089,451
Improvement	32,709,053	9,897,904	6,135,240	3,251,605
Amount to be raised by taxation	427,171	116,698	113,786	47,530

1/ Beginning in 1992, data exclude nontaxable properties.

2/ For 2004, valuation as of January 30, 2003 for the City and County of Honolulu, as of June 6, 2003 for Hawaii, as of May 27, 2003 for Kauai, and April 17, 2003 for Maui.

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) <http://www.co.honolulu.hi.us/rpa/staterpt.htm>; *2002-2003 Tax Year* (September 2002) <http://www.co.honolulu.hi.us/rpa/02_staterpt.htm> accessed September 24, 2002; *2002-2003 Tax Year* (July 2003) <http://www.co.honolulu.hi.us/rpa/02_staterpt.htm> accessed July 29, 2003 and earlier reports as Department of Finance.

Table 9.31-- REAL PROPERTY TAX EXEMPTIONS FOR THE STATE, BY TYPE: TAX YEARS 2002 TO 2004

Type of exemption	2002		2003		2004	
	Number	Amount 1/ ($1,000)	Number	Amount 1/ ($1,000)	Number	Amount 1/ ($1,000)
All exemptions, Statewide	223,330	38,141,113	227,723	40,384,152	233,145	40,508,223
Federal government	635	6,326,873	572	6,186,662	541	6,137,665
State government	5,647	9,447,873	5,609	9,393,434	6,257	9,538,117
County government	2,873	3,449,879	2,851	3,497,831	3,026	3,584,669
Government leases - Total	102	40,390	107	44,244	133	57,771
Government leases - Portion	48	15,362	62	23,241	110	27,188
Hawaiian Homes Commission	1,371	268,944	1,386	278,896	1,837	331,228
Hawaiian Homes Land - Basic	624	40,219	864	65,926	901	71,150
Hawaiian Homes Land - Multiple	352	28,952	137	6,588	144	7,071
Hawaiian Homes Land - Total land	2,940	463,371	2,587	453,778	3,097	483,057
Hawaiian Homes Land - Vacant land	146	15	143	34	142	20
Hawaiian Homes - 7 Year	430	62,788	466	76,045	836	106,111
Homes - fee (Basic)	90,584	3,772,098	106,465	5,240,076	111,197	5,429,309
Homes - fee (Multiple)	91,052	8,733,345	78,751	8,257,575	76,410	7,790,246
Homes - lease (Basic)	4,897	198,337	5,096	224,877	5,209	241,016
Homes - lease (Multiple)	5,398	487,909	4,942	485,489	4,676	455,760
Additional home exemption	15	555	1,111	121,990	1,576	84,492
Additional Income Exemption	(NA)	(NA)	(NA)	(NA)	134	7,238
Blind	509	12,414	494	13,574	489	12,269
Deaf	154	3,472	153	3,856	145	3,392
Leprosy	7	117	6	164	6	89
Totally disabled	6,523	145,850	6,312	175,968	6,071	153,132
Totally disabled veterans	662	146,275	741	172,737	819	204,606
Cemeteries	108	45,459	110	42,350	107	39,556
Charitable organizations	1,027	1,003,103	1,075	1,117,966	1,105	1,086,068
Childcare	(NA)	(NA)	(NA)	(NA)	24	1,200
Churches	1,482	1,134,731	1,499	1,185,876	1,506	1,208,224
Civil - Condemnation	46	32,089	18	9,454	39	15,669
Credit Unions	81	70,454	87	78,558	87	77,547
Crop shelters	43	2,934	38	4,205	40	3,713
Enterprize Zone	(NA)	(NA)	(NA)	(NA)	1	2,118
Foreign consulates	29	14,580	29	14,850	30	15,359
Forest reserve	6	4,125	6	4,238	6	2,301
Historic residential properties	111	69,630	118	85,438	141	110,854
Hospitals	98	496,343	96	483,510	98	483,911
Landscaping, open-space	47	15,329	46	14,773	46	15,052
Low-moderate income housing	388	863,959	329	944,182	396	980,279
New Construction	5	9,606	28	245,414	56	275,919
Public utilities	112	66,782	599	727,821	627	749,644
Roadways and waterways	4,505	10,164	4,529	12,021	4,816	15,038
Safe Room	2	80	3	240	5	200
Schools	185	637,314	179	670,281	179	680,748
Setbacks	4	789	3	491	8	1,064
Slaughterhouse	2	2,003	2	2,001	2	1,868
Taro	40	10	38	11	31	24
Tree Farm	15	4,371	13	6,802	12	5,431
Miscellaneous	25	12,218	23	10,686	27	10,845

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, 2001-2002 Tax Year, State of Hawaii* (July 2001) and as revised September 24, 2002; and City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2002-2003 Tax Year, State of Hawaii* (September 2002) <http://www.co.honolulu.hi.us/rpa/ex.pdf> accessed September 24, 2002.

Table 9.32-- REAL PROPERTY TAX VALUATIONS, BY LAND USE CLASSES: FISCAL YEARS 2002 AND 2003

[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 2002				
All classes	123,394,937	66,563,433	56,831,504	596,685
Improved residential 2/	50,015,540	31,791,947	18,223,593	160,121
Apartment	21,271,533	7,321,621	13,949,912	86,940
Commercial	13,159,038	6,751,710	6,407,328	103,415
Industrial	6,420,419	3,858,884	2,561,535	54,089
Agricultural	5,170,526	3,520,804	1,649,722	36,814
Conservation	1,277,280	1,131,567	145,713	9,228
Hotel/resort	11,684,685	4,659,957	7,024,728	102,503
Unimproved residential 2/	1,519,098	1,316,332	202,766	6,679
Homeowner 3/	8,984,241	4,067,705	4,916,536	23,737
Single family 4/	1,708,195	1,028,438	679,757	8,290
Homestead 4/	1,753,308	784,201	969,107	4,869
Public Service 5/	431,074	330,267	100,807	-
Fiscal year 2003				
All classes	131,562,028	69,116,128	62,445,900	634,124
Improved residential 2/	53,741,845	32,488,092	21,253,753	174,981
Apartment	22,698,559	7,388,447	15,310,112	92,082
Commercial	13,241,553	6,789,966	6,451,587	104,056
Industrial	6,264,520	3,836,654	2,427,866	53,796
Agricultural	5,594,619	3,825,164	1,769,455	40,471
Conservation	1,375,702	1,223,849	151,853	9,594
Hotel/resort	12,361,226	4,795,221	7,566,005	106,967
Unimproved residential 2/	1,977,829	1,680,710	297,119	8,148
Homeowner 3/	9,903,114	4,555,769	5,347,345	29,404
Single family 4/	1,933,469	1,250,950	682,519	9,227
Homestead 4/	1,978,758	914,863	1,063,895	5,398
Public Service 5/	490,834	366,443	124,391	0

1/ Excludes nontaxable properties. 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, 2001-2002 Tax Year, State of Hawaii* (July 2001) <http://www.co.honolulu.hi.us/rpa/staterpt.htm> accessed September 24, 2002; and City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2002-2003 Tax Year, State of Hawaii* (September 2002) accessed September 24, 2002.

Table 9.33-- REAL PROPERTY TAX VALUATIONS, BY LAND USE CLASSES: FISCAL YEARS 2003 AND 2004

[In thousands of dollars. For fiscal year ending June 30]

Land use class	Gross valuation 1/			To be raised by taxation, fiscal year
	Total	Land	Improvement	
Fiscal year 2003				
All classes	131,562,028	69,116,128	62,445,900	634,124
Improved residential 2/	53,741,845	32,488,092	21,253,753	174,981
Apartment	22,698,559	7,388,447	15,310,112	92,082
Commercial	13,241,553	6,789,966	6,451,587	104,056
Industrial	6,264,520	3,836,654	2,427,866	53,796
Agricultural	5,594,619	3,825,164	1,769,455	40,471
Conservation	1,375,702	1,223,849	151,853	9,594
Hotel/resort	12,361,226	4,795,221	7,566,005	106,967
Unimproved residential 2/	1,977,829	1,680,710	297,119	8,148
Homeowner 3/	9,903,114	4,555,769	5,347,345	29,404
Single family 4/	1,933,469	1,250,950	682,519	9,227
Homestead 4/	1,978,758	914,863	1,063,895	5,398
Public Service 5/	490,834	366,443	124,391	0
Fiscal year 2004				
All classes	141,029,581	73,014,576	68,015,005	705,185
Improved residential 2/	58,303,786	35,535,549	22,768,237	199,003
Apartment	25,367,755	7,525,496	17,842,259	104,030
Commercial	13,248,690	6,675,118	6,573,572	116,995
Industrial	6,242,180	3,761,817	2,480,363	58,786
Agricultural	5,967,534	4,019,626	1,947,908	43,369
Conservation	1,393,397	1,233,993	159,404	10,516
Hotel/resort	12,825,269	4,803,435	8,021,834	114,727
Unimproved residential 2/	1,956,266	1,628,365	327,901	8,847
Homeowner 3/	10,935,260	5,026,543	5,908,717	33,018
Single family 4/	2,135,460	1,414,043	721,417	10,259
Homestead 4/	2,163,591	1,025,696	1,137,895	5,635
Public Service 5/	490,393	364,895	125,498	0

1/ Excludes nontaxable properties. For 2004, valuation as of January 30, 2003 for the City and County of Honolulu, as of June 6, 2003 for Hawaii, as of May 27, 2003 for Kauai, and April 17, 2003 for Maui.

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 Budget & Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2002-2003 Tax Year, State of Hawaii* (September 2002) <http://www.co.honolulu.hi.us/rpa/staterpt.htm> accessed September 24, 2002; and Ibid, *Real Property Tax Valuations, Tax Rates & Exemptions, 2002-2003 Tax Year, State of Hawaii* (July 2003) <http://www.co.honolulu.hi.us/rpa/02_staterpt.htm> accessed July 29, 2003.

Table 9.34--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/Kamehameha Schools	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 9.35-- RESIDENTIAL PROPERTY TAX RATES IN HONOLULU AND THE MEDIAN OF 51 MAJOR CITIES: 1985 TO 2001

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
2001	1.50	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 (August 2001) and and Ibid. 2001, table 4 (August 2002) <http://cfo.dc.gov/services/studies/index.shtm> accessed January 13, 2003.

Table 9.36-- 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.runzheimwr.com/corpc/news/scripts/042301.asp> accessed July 19, 2001.

Table 9.37-- REAL PROPERTY TAX RATES, BY COUNTIES: 2003

[In dollars per $1,000 net taxable value. For fiscal year ended June 30]

Land use class	Honolulu	Maui	Hawaii	Kauai
Land:				
Improved residential 1/	3.65	4.93	9.10	5.49
Unimproved residential	4.66	4.93	9.85	(X)
Apartment	3.93	4.93	9.85	8.55
Hotel/resort	9.96	6.75	9.85	8.55
Commercial	9.25	6.75	9.85	8.55
Industrial	9.39	4.93	9.85	8.55
Agricultural	9.89	4.93	9.85	7.95
Conservation	9.25	8.30	9.85	8.45
Homeowner	(X)	3.63	5.55	(X)
Homestead	(X)	(X)	(X)	4.35
Public Service	0	(X)	(X)	(X)
Building:				
Improved residential 1/	3.65	4.93	9.10	4.50
Unimproved residential	4.66	4.93	9.85	(X)
Apartment	3.93	4.93	9.85	8.15
Hotel/resort	9.96	6.75	9.85	8.15
Commercial	9.25	6.75	9.85	8.15
Industrial	9.39	4.93	9.85	8.15
Agricultural	9.89	4.93	9.85	4.50
Conservation	9.25	8.30	9.85	4.50
Homeowner	(X)	3.63	5.55	(X)
Homestead	(X)	(X)	(X)	3.64
Public Service	0.00	(X)	(X)	(X)

X Not applicable.

1/ Single family residential in County of Kauai.

Source: City and County of Honolulu, Department of Finance, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2002-2003 Tax Year, State of Hawaii* (September 2002) <http://www.co.honolulu.hi.us/rpa/txrate.pdf> accessed September 24, 2002.

Table 9.38-- REAL PROPERTY TAX RATES, BY COUNTIES: 2004

[In dollars per $1,000 net taxable value. For fiscal year ended June 30]

Land use class	Honolulu	Maui	Hawaii	Kauai
Land:				
Improved residential 1/	3.75	5.86	9.10	5.49
Unimproved residential	5.35	5.86	9.85	(X)
Apartment	3.75	5.86	9.85	8.55
Hotel/resort	10.63	8.30	9.85	8.55
Commercial	10.63	6.75	9.85	8.55
Industrial	10.63	6.75	9.85	8.55
Agricultural	10.63	4.93	9.85	7.95
Conservation	10.63	4.93	9.85	8.45
Homeowner	(X)	3.55	5.55	(X)
Homestead	(X)	(X)	(X)	4.35
Public Service	0.00	(X)	(X)	(X)
Building:				
Improved residential 1/	3.75	5.86	9.10	4.50
Unimproved residential	5.35	5.86	9.85	(X)
Apartment	3.75	5.86	9.85	8.15
Hotel/resort	10.63	8.30	9.85	8.15
Commercial	10.63	6.75	9.85	8.15
Industrial	10.63	6.75	9.85	8.15
Agricultural	10.63	4.93	9.85	4.50
Conservation	10.63	4.93	9.85	4.50
Homeowner	(X)	3.55	5.55	(X)
Homestead	(X)	(X)	(X)	3.64
Public Service	0.00	(X)	(X)	(X)

X Not applicable.

1/ Single family residential in County of Kauai.

Source: City and County of Honolulu, Department of Finance, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2003-2004 Tax Year, State of Hawaii* (July 2003) <http://www.co.honolulu.hi.us/rpa/txrate.pdf> accessed July 29, 2003.

Table 9.39-- FEDERAL EXPENDITURES IN HAWAII: 1986 TO 2002

[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	1995	7,450	-2.5
1987	4,811	3.5	1996	7,990	7.2
1988	5,065	5.3	1997	8,159	2.1
1989	5,571	10.0	1998	8,442	3.5
1990	5,634	1.1	1999	8,568	1.5
1991	6,198	10.0	2000	9,015	5.2
1992	6,636	7.1	2001	9,722	7.8
1993	7,283	9.7	2002	10,474	7.7
1994	7,644	5.0			

Source: U.S. Bureau of the Census, Consolidated Federal Funds, Fiscal Year by State (annual), June 4, 2003 <http://www.census.gov/prod/2002pubs/01cffr.pdf> and <http://www.census.gov/govs/www/cffr02.html> accessed June 4, 2003.

Table 9.40-- FEDERAL EXPENDITURES IN HAWAII, BY TYPE: 1997 TO 2002

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

Type of expenditure	1997	1998	1999	2000	2001	2002
All categories	8,159	8,442	8,568	9,015	9,722	10,474
Grants to State and local governments	1,137	1,190	1,335	1,348	1,514	1,835
Salaries and wages	2,330	2,557	2,436	2,429	2,525	2,684
Retirement and disability	2,262	2,348	2,430	2,583	2,798	2,899
Procurement	1,077	1,053	1,141	1,278	1,467	1,621
Other direct payments	1,352	1,293	1,226	1,377	1,419	1,306
Department of Defense	3,179	3,394	3,356	3,473	3,728	3,964
Other federal agencies	4,981	5,048	5,212	5,542	5,995	6,510

Type of expenditure	1997	1998	1999	2000	2001	2002
All categories	2.1	3.5	1.5	5.2	7.8	7.7
Grants to State and local governments	2.9	4.7	12.2	1.0	12.3	21.2
Salaries and wages	-3.3	9.7	-4.7	-0.3	4.0	6.3
Retirement and disability	5.8	3.8	3.5	6.3	8.3	3.6
Procurement	4.9	-2.2	8.4	12.0	14.8	10.5
Other direct payments	3.1	-4.4	-5.2	12.3	3.0	-8.0
Department of Defense	-2.4	6.8	-1.1	3.5	7.3	6.3
Other federal agencies	5.3	1.3	3.2	6.3	8.2	8.6

Source: U.S. Bureau of the Census, *Consolidated Federal Funds, Fiscal Year by State* (annual), June 4, 2003 <http://www.census.gov/prod/2003pubs/02cffr.pdf> and <http://www.census.gov/govs/cffr/02cffhi.txt> accessed June 4, 2003.

Table 9.41-- PER CAPITA DIRECT FEDERAL EXPENDITURES IN THE UNITED STATES AND HAWAII, BY TYPES: 2002

[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	6,527.24	8,413.54	128.9	6
Retirement and disability	2,105.98	2,328.91	110.6	13
Other direct payments	1,454.37	1,152.46	79.2	43
Grants to State and local governments	1,408.92	1,474.50	104.7	20
Procurement	881.69	1,302.30	147.7	8
Salaries and wages	675.27	2,155.62	319.2	2
Department of Defense	963.70	3,183.91	330.4	2
All other Federal agencies	5,686.25	5,229.63	92.0	37

1/ Resident population as of July 1, 2002 for the United States was 288,368,698 and for Hawaii 1,244,898 (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. Census Bureau, *Consolidated Federal Funds Report for Fiscal Year 2002* (June 2003), tables 10, 12, and 14 and <http://www.census.gov/prod/2003pubs/02cffr.pdf> accessed June 4, 2003.

Table 9.42-- DIRECT FEDERAL EXPENDITURES OR OBLIGATIONS IN HAWAII, BY COUNTY: 2002

[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 undistri-buted
Population (July 1, 2002 count)	1,244,898	896,019	154,794	59,946	134,139	-
Direct expenditures or obligations	10,473,997	8,335,064	808,115	317,924	495,338	517,556
Defense	3,963,638	3,800,301	46,966	74,484	41,887	-
Non-defense	6,510,359	4,534,763	761,149	243,440	453,451	517,556
Direct expenditures or obligations	10,473,997	8,335,064	808,115	317,924	495,338	517,556
Retirement/disability payments for individuals	2,899,254	2,211,115	343,531	119,617	218,139	6,853
Other direct payments for individuals	1,305,563	733,477	139,225	50,217	86,283	296,361
Direct payments other than for individuals	129,133	19,846	4,101	364	4,761	100,062
Grants (block, formula, project, & cooperative agreements)	1,835,296	1,315,913	235,848	64,669	104,665	114,201
Procurement contracts	1,621,225	1,478,446	34,231	57,069	51,399	81
Salaries and wages	2,683,526	2,576,267	51,179	25,988	30,091	-
Other federal assistance	6,397,404	3,611,522	575,504	726,759	1,388,421	95,200
Direct loans	21,142	9,043	5,815	3,155	3,129	-
Guaranteed loans	691,049	299,065	44,844	221,129	46,845	79,167
Insurance	5,685,213	3,303,414	524,845	502,475	1,338,447	16,033

1/ Includes Kalawao County.

Source: U.S. Bureau of the Census, *Consolidated Federal Funds Report for Fiscal Year 2002* (June 2003) p. 37, <http://www.census.gov/govs/cffr/02cffhi.txt> accessed June 4, 2003.

Table 9.43-- FEDERAL GOVERNMENT GRANTS AND OTHER PAYMENTS TO HAWAII STATE AND COUNTY GOVERNMENTS, BY SELECTED AGENCIES: 2001

[For fiscal year ended September 30]

Area	Hawaii		United States	
	Amount ($1,000)	Percent	Amount ($1,000)	Percent
Total	1,314,568	100.0	323,892,763	100.0
Department of Agriculture	91,721	7.0	20,034,733	6.2
Food and Nutrition Service	72,194	5.5	17,487,814	5.4
Department of Commerce	19,160	1.5	897,069	0.3
National Oceanic and Atmospheric Administration	16,733	1.3	426,893	0.1
Corporation for National and Community Service 1/	2,912	0.2	378,132	0.1
Corporation for Public Broadcasting	2,069	0.2	321,212	0.1
Department of Defense	8,243	0.6	163,250	0.1
U.S. Army National Guard - civilian construction program	8,243	0.6	155,531	0.0
Department of Education	127,385	9.7	25,474,299	7.9
Office of Elementary and Secondary Education	75,041	5.7	13,454,840	4.2
Impact aid	36,590	2.8	959,498	0.3
Programs for American Indians, Alaska Natives and Native Hawaiians	2,343	0.2	87,406	0.0
Office of Postsecondary Education	8,990	0.7	917,375	0.3
Department of Energy	3,648	0.3	273,838	0.1
Environmental Protection Agency	9,680	0.7	3,979,005	1.2
Equal Employment Opportunity Commission	108	0.0	30,338	0.0
Federal Emergency Management Agency	8,588	0.7	2,674,340	0.8
Department of Health and Human Services	577,927	44.0	181,411,689	56.0
Administration for Children and Families	188,120	14.3	38,447,805	11.9
Centers for Medicare and Medicaid Services (Medicaid)	347,115	26.4	133,013,638	41.1
Department of Housing and Urban Development	144,212	11.0	33,466,141	10.3
Community planning and development	28,426	2.2	5,971,438	1.8
Housing programs	112,775	8.6	25,915,036	8.0
Institute for Museum and Library Services	895	0.1	148,716	0.0
Department of the Interior	4,967	0.4	3,538,343	1.1
Fish and Wildlife Services	4,331	0.3	472,440	0.1
National Park Service	613	0.0	44,648	0.0
Department of Justice	15,037	1.1	3,835,194	1.2
Department of Labor	55,921	4.3	7,475,312	2.3
Employment and Training Administration	52,999	4.0	7,090,120	2.2
Workforce Investment Act 1/	35,205	2.7	3,443,853	1.1
Social Security Administration supplemental security income	21	0.0	39,506	0.0
State Justice Institute	90	0.0	4,975	0.0
Department of Transportation	240,770	18.3	37,097,868	11.5
Coast Guard	334	0.0	57,842	0.0
Federal Aviation Administration	32,032	2.4	2,016,694	0.6
Federal Highway Administration	158,238	12.0	26,996,748	8.3
Federal Transit Administration	47,919	3.6	7,560,864	2.3
Department of the Treasury	315	0.0	469,687	0.1
Department of Veterans Affairs	0	0.0	471,487	0.1

All amounts in this table represent actual expenditures of the Federal Government during the fiscal year.

See Source, Appendix A for components of ''Other'' columns and those with multiple data entries.

1/ The data were extracted from the FY2001 quarterly data files submitted to the Federal Assistance Award System since FY2001 FAS data were not available at time of publication.

Source: U.S. Bureau of the Census, *Federal Aid to States for Fiscal Year: 2001* , Table 1 (April 2002) p. 1, <http://www.census.gov/prod/2002pubs/01fas.pdf> accessed August 1, 2002.

Table 9.44-- FEDERAL GOVERNMENT GRANTS AND OTHER PAYMENTS TO HAWAII STATE AND COUNTY GOVERNMENTS, BY SELECTED AGENCIES: 2002

[For fiscal year ended September 30. All amounts in this table represent actual expenditures of the Federal Government during the fiscal year]

Area	Hawaii		United States	
	Amount ($1,000)	Percent	Amount ($1,000)	Percent
Total	1,460,176	100.0	362,388,526	100.0
Department of Agriculture	99,879	6.8	21,486,507	5.9
Food and Nutrition Service	79,452	5.4	18,718,527	5.2
Department of Commerce	23,405	1.6	972,723	0.3
National Oceanic and Atmospheric Administration	19,419	1.3	545,194	0.2
Corporation for National and Community Service 1/	1,121	0.1	170,721	2/
Corporation for Public Broadcasting	2,123	0.1	356,694	0.1
Department of Defense	9,189	0.6	224,076	0.1
U.S. Army National Guard - civilian construction program	9,189	0.6	216,415	0.1
Department of Education	194,037	13.3	32,738,775	9.0
Office of Elementary and Secondary Education	117,334	8.0	17,081,306	4.7
Impact aid	43,962	3.0	1,132,377	0.3
Programs for American Indians, Alaska Natives & Native Hawaiians	9,808	0.7	124,420	2/
No Child Left Behind Act	25,299	1.7	4,669,442	1.3
Office of Postseconday Education	16,903	1.2	1,527,010	0.4
Department of Energy	3,766	0.3	237,465	0.1
Environmental Protection Agency	34,562	2.4	3,777,857	1.0
Equal Employment Opportunity Commission	146	2/	30,637	2/
Federal Emergency Management Agency	4,333	0.3	3,406,354	0.9
Department of Health and Human Services	687,389	47.1	204,196,662	56.3
Administration for Children and Families	164,655	11.3	43,358,168	12.0
Centers for Medicare and Medicaid Services (Medicaid)	460,944	31.6	150,640,423	41.6
Department of Housing and Urban Development	143,610	9.8	36,964,915	10.2
Community planning and development	21,911	1.5	6,572,203	1.8
Housing programs	121,579	8.3	30,349,386	8.4
Institute for Museum and Library Services	2,073	0.1	214,825	0.1
Department of the Interior	6,965	0.5	3,366,566	0.9
Fish and Wildlife Services	4,658	0.3	483,016	0.1
National Park Service	638	2/	83,276	2/
Department of Justice	17,594	1.2	4,625,886	1.3
Department of Labor	52,712	3.6	8,375,721	2.3
Employment and Training Administration	49,115	3.4	8,004,797	2.2
Workforce Investment Act 1/	19,797	1.4	3,430,672	0.9
Social Security Administration supplemental security income	35	2/	49,006	2/
State Justice Institute	1	2/	5,086	2/
Tennessee Valley Authority - payments in lieu of taxes	0	0.0	328,329	0.1
Department of Transportation	176,306	12.1	38,719,450	10.7
Coast Guard	1,711	0.1	64,452	2/
Federal Aviation Administration	15,467	1.1	2,860,166	0.8
Federal Highway Administration	124,930	8.6	30,170,846	8.3
Federal Transit Administration	33,266	2.3	5,223,168	1.4
Department of the Treasury	96	2/	465,015	0.1
Department of Veterans Affairs	0	0.0	486,208	0.1

1/ The data were extracted from the FY2002 quarterly data files submitted to the Federal Assistance Award System since FY2002 FAS data were not available at time of publication.

2/ Percentage less than 0.05.

Source: U.S. Bureau of the Census, *Federal Aid to States for Fiscal Year: 2002* , Table 1 (May 2003) p. 1, <http://www.census.gov/prod/2003pubs/fas02.pdf> accessed August 14, 2003.

Table 09.45-- FEDERAL PROCUREMENT BY AGENCY: 2002

[In thousands of dollars. Includes contracts greater than $25,000. Agencies reporting exclude the U.S. Postal Service and the military commissaries and exchanges. Fiscal year ending September 30. Per capita calculations were based on an April 1, 2000 Census count of Hawai resident population of 1,211,537. Rank of 1 indicates highest procurement. In FY02 Hawaii procurement by place of performance was $1,543,581,000. Per capita procurement was $1,274, giving Hawaii a rank of 8 in both FY01 and FY02.]

Area	Total	Civilian Agencies		Department of Defense	
		Small Dis-advantaged	Other	Small Dis-advantaged	Other
Hawaii	1,543,581	38,519	111,810	279,225	1,114,027
Honolulu City & County	1,414,548	35,669	83,001	257,953	1,037,925
Hawaii County	29,334	914	9,583	8,735	10,102
Kauai County	52,384	246	1,935	11,456	38,747
Maui County	47,315	1,690	17,291	1,081	27,253

Top Five Agencies with Place of Performance in this State		Top Five Contracting Offices Located in this State	
Department of Defense	1,393,252	Navy, Facilities Engineering Command, Pearl Harbor	581,103
General Services Administration	45,671	Army, Engineer District, Fort Shafter	166,393
Department of Agriculture	24,051	USAF, 15 CONS/LGC, Hickam AFB	135,329
Department of Transportation	19,457	Army, Hawaii Garrison, Fort Shafter	132,681
Department of the Interior	12,415	Navy, Fleet & Industrial Supply Center, Pearl Harbor	109,314

Type Of Product Or Service	Total	Small Business	Large Business	State & local gov't	Non-profit & other
Total	1,543,581	532,485	955,923	1,765	53,408
Construction	545,317	176,425	368,892	0	0
R & D	83,788	32,643	25,235	180	25,730
Services	607,099	251,484	327,457	1,054	27,104
Supplies & Equipment	307,377	71,933	234,339	531	574

Top Contractors Performing In This State

Civilian Agencies			Department Of Defense		
Rank	Contractors	Amount	Rank	Contractors	Amount
1	Maui Land & Pineapple Company	13,955	1	Dick Corporation	151,699
2	Oceantronics Inc	11,397	2	Nan Inc	91,504
3	Pacific Educational Foundation	10,208	3	Northrop Grumman Corp.	83,051
4	University Of Hawaii	6,596	4	Tesoro Petroleum Corp.	78,357
5	Jarrett Technology Solutions Inc	6,515	5	Parsons-Uxb (Joint Venture)	66,489
6	Oceanic Companies Inc	5,809	6	Nova Group Inc	37,470
7	Commercial Data Systems Inc	5,495	7	ITT Industries Inc	33,900
8	Northwest Regional Educational	4,285	8	Raytheon Service Company Inc	30,130
9	Aquatic Farms Ltd	4,064	9	Actus Lend Lease LLC	28,776
10	Marisco Ltd	3,628	10	Hawaiian Electric Industries Inc	28,509

Source: U.S. General Services Administration, Fedreral Procurement Data Center, Federal Procurement Report FY 2002, Section II, Geographic Views <http://www.fpdc.gov/fpdc/fpr2002.htm> accessed June 24, 2003.

Table 9.46-- 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 9.46-- 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 9.47-- 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 9.48-- PUBLIC BONDED DEBT OF STATE AND COUNTY GOVERNMENTS: 1985 TO 2002

[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/	7,808.0	5,773.6	1,639.2	223.8	133.2	38.3
1999 2/	7,768.4	5,582.6	1,788.6	235.1	126.4	35.7
2000 2/	8,023.2	5,745.2	1,831.6	236.8	149.3	60.4
2001 2/	7,855.2	5,471.6	1,932.7	234.9	141.2	74.8
2002 3/	8,856.6	6,072.0	2,312.1	246.3	155.9	70.2

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 9.49-- STATE GENERAL OBLIGATION BOND DEBT: 1990 TO 2002

[In thousands of dollars. As of June 30]

Year	Debt	Year	Debt
1990	2,026,100	1997	3,102,288
1991	2,274,846	1998	3,387,988
1992	2,328,546	1999	3,189,298
1993	2,767,691	2000	3,299,863
1994	2,872,488	2001	3,244,857
1995	2,934,965	2002	3,568,001
1996	2,869,639		

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 page 75 (fiscal year 2002).

Table 9.50-- GOVERNMENT WORKERS, BY LEVEL OF GOVERNMENT, CIVIL SERVICE STATUS, AND MEMBERSHIP IN STATE RETIREMENT SYSTEM: 1940 TO 2002

[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	34,200	59,900	14,400	20,654	53,509
1992	111,200	33,300	62,600	15,300	22,920	57,401
1993	111,500	31,800	64,200	15,500	24,267	59,518
1994	111,900	31,300	65,000	15,600	24,716	61,082
1995	111,400	31,100	63,900	16,400	24,138	60,687
1996	110,500	31,100	62,800	16,600	23,338	59,275
1997	111,800	30,700	64,300	16,800	23,133	59,500
1998	112,200	30,400	64,900	16,900	23,627	60,447
1999	112,800	30,300	65,800	16,700	23,927	61,164
2000	114,600	31,000	66,900	16,700	3/ 21,380	62,207
2001	114,500	30,100	67,300	17,100	(NA)	63,408
2002	118,000	30,700	70,150	17,150	(NA)	66,043

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) and for 2002 <http://www2.state.hi.us/ers/Financial%20Reports/HIERS%20CAFR%202002.pdf> accessed August 28, 2003.

Table 9.51--STATE AND 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 hours paid (March)
	Full-time	Part-time	Full-time equiv.	Total March	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

Continued on next page.

Table 9.51--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	23,424	10,538	25,378	67,102	62,072	5,030	324,416
Instruction	18,742	6,601	20,030	55,441	51,697	3,744	213,832
Other Total 1/	4,682	3,937	5,348	11,661	10,375	1,286	110,584
Elem & Sec Admin/Cler 1/	1/	1/	1/	1/	1/	1/	1/
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/00stlall.xls> accessed July 3, 2002.

Table 9.52--STATE 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	Part-time	Full-time equiv.	Total March	Full-time employ.	Part-time empl.	
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 9.53--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	Part-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/00locall.xls> accessed July 3, 2002.

Table 9.54-- 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 9.55-- 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 9.56-- PUBLIC EMPLOYEES INCLUDED IN COLLECTIVE BARGAINING UNITS: 2002

[As of December 31, 2002, unless otherwise indicated]

Bar-gain-ing unit	Union	Job category	Total	State of Hawaii 1/	City & County of Honolulu	County of Hawaii	County of Maui	County of Kauai	Dept. of Educ.	Judici-ary	Univer-sity of Hawaii	HHSC 1/
		Total	59,320	21,454	7,907	1,834	1,776	918	13,710	1,546	6,321	3,854
1	UPW	Blue-collar nonsupervisors	8,749	4,451	1,909	438	508	332	-	59	496	556
2	HGEA	Blue-collar supervisors	843	459	229	43	41	16	-	3	14	38
3	HGEA	White-collar nonsupervisors	14,031	8,610	1,632	513	486	221	-	884	943	742
4	UPW	White-collar supervisors	845	534	139	30	26	13	-	55	31	17
5	HSTA	Hawaii State Teachers Assn.	12,854	-	-	-	-	-	12,854	-	-	-
6	HGEA	Educational officers	856	-	-	-	-	-	856	-	-	-
7	UHPA	University of Hawaii faculty	3,359	-	-	-	-	-	-	-	3,359	-
8	HGEA	Admin. & prof. technicians	1,469	-	-	-	-	-	-	-	1,469	-
9	HGEA	Registered prof. nurses	1,538	444	-	-	-	-	-	1	8	1,085
10	UPW	Institutional health & corrections workers	2,992	1,622	194	-	-	-	-	35	1	1,140
11	HFFA	Firefighters	1,767	164	980	256	254	113	-	-	-	-
12	SHOPO	Police officers	2,613	-	1,834	359	296	124	-	-	-	-
13	HGEA	Prof. & scientific workers	7,404	5,170	990	195	165	99	-	509	-	276

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. 41, April 2, 2003; and as revised August 12, 2003.

Table 9.57-- 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. Dobelle 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 family members, 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: 2002* 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 2002

[As of June 30, unless otherwise specified. 1950-1979 based on pre-service residence; 1980-1995 on home of record; and 2002 on legal residence]

Year	Number	Year	Number	Year	Number
1950	7,699	1968	22,433	1986	10,882
1951	10,958	1969	15,856	1987	10,896
1952	16,594	1970	15,331	1988	10,548
1953	16,217	1971	13,600	1989 2/	10,501
1954	16,189	1972	11,600	1990	10,052
1955	15,175	1973	10,200	1991	10,076
1956	15,243	1974	10,810	1992	8,432
1957	14,687	1975	10,640	1993	7,621
1958	13,310	1976	10,600	1994	5,098
1959	12,596	1977	10,640	1995 3/	4,237
1960 1/	12,662	1978	10,715	1996	(NA)
1961	11,340	1979 1/	11,069	1997	(NA)
1962	13,464	1980	11,851	1998	(NA)
1963	14,944	1981	11,927	1999	(NA)
1964	15,000	1982	11,926	2000	(NA)
1965	15,109	1983	11,641	2001	(NA)
1966	15,875	1984	11,466	2002 4/	3,970
1967	18,048	1985	10,827		

NA Not available.

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.

4/ As of December 31.

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; 1970-2002 from U.S. Department of Defense, Defense Manpower Data Center, records.

Table 10.02-- ACTIVE DUTY BY LEGAL RESIDENCE AND SELECTED RESERVES BY HOME OF RECORD: 2002

[As of December 31, 2002]

	Selected Reserves By Home of record		Active duty By legal residence	
	United States	Hawaii	United States	Hawaii
Total	876,527	9,108	1,399,751	3,970
American Indian/ Alaska Native	8,275	52	15,795	13
Asian/Pacific Islander	26,640	5,639	56,667	2,630
Black	143,672	436	275,205	173
White	611,482	2,122	897,514	710
Hispanic	70,333	374	127,900	149
Other/Unknown	16,125	485	26,670	295
Other	(NA)	(NA)	13,869	95
Unknown	(NA)	(NA)	12,801	200
Total	876,527	9,108	1,399,751	3,970
Female	151,656	1,656	210,085	592
Male	724,871	7,452	1,189,666	3,378

NA Not available.

Source: U.S. Department of Defense, Directorate of Information, Operations and Reports unpublished compilation, September 10, 2003 based on Defense Manpower Data Center unpublished data.

Table 10.03-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES: 1980 TO 2002

[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	28,536	5,926	44,350	25,678
2000: April 1 3/	78,346	35,813	29,419	6,394	42,533	23,034
2001: July 1	88,966	35,863	32,298	3,565	53,103	(NA)
2002: July 1	86,828	37,784	31,615	6,169	49,044	(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.

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* (quarterly) <http://web1.whs.osd.mil/mmid/pubs.htm> accessed August 4, 2003.

Table 10.04-- MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES, BY SERVICE AND ISLAND: JULY 1, 2002

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	86,828	37,784	(NA)	(NA)	6,169	49,044	(NA)
Air Force 1/	10,817	4,289	(NA)	(NA)	-	6,528	(NA)
Oahu	(NA)	(NA)	(NA)	(NA)	-	(NA)	(NA)
Maui	(NA)	(NA)	(NA)	(NA)	-	(NA)	(NA)
Army	34,435	15,750	11,350	4,400	-	18,685	9,660
Oahu	34,395	15,729	11,329	4,400	-	18,666	9,650
Hawaii	40	21	21	-	-	19	10
Coast Guard	2,279	1,106	1,006	60	40	1,173	533
Oahu	2,170	1,054	954	60	40	1,116	507
Hawaii	45	20	20	-	-	25	10
Maui	32	15	15	-	-	17	7
Kauai	32	17	17	-	-	15	9
Marine Corps	14,910	7,985	4,960	3,025	-	6,925	3,400
Oahu	14,905	7,980	4,955	3,025	-	6,925	3,400
Hawaii	5	5	5	-	-	-	-
Navy	24,387	2/ 8,654	5,459	3,870	6,129	15,733	6,710
Oahu	(NA)	(NA)	5,396	3,851	6,129	15,597	6,647
Kauai	(NA)	(NA)	63	19	-	136	63

NA Not available.

1/ Department of Defense figure as of September 30, 2002.

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 as of September 30, 2002.

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, September 30, 2002* <http://web1.whs.osd.mil/mmid/pubs.htm> accessed August 4, 2003.

Table 10.05-- DEPARTMENT OF DEFENSE PERSONNEL AND DEPENDENTS: 1989 TO 2002

[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
2002	98,118	34,608	47,002	16,508

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/mmid/mo1/fy96>; for 1997 <http://web1.whs.osd.mil/mmid/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/mmid/m05sep98.pdf>. For 1999: *Worldwide Manpower Distribution by Geographical Area, September 30, 1999* (p. 1) and <http://web1.whs.osd.mil/mmid/m05sep99.pdf>. For 2000: *Worldwide Manpower Distribution by Geographical Area, September 30, 2000* (p. 1) and <http://web1.whs.osd.mil/mmid/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/mmid/m05sep01.pdf> accessed March 26, 2002. For 2002: *Worldwide Manpower Distribution by Geographical Area, September 30, 2002* (p. 1) and <http://www.dior.whs.mil/mmid/m05/m05sep02.pdf > accessed March 26, 2002.

Table 10.06-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL, PAYROLLS, AND PRIME CONTRACT AWARDS: 2002

[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/	62,597	26,990	24,899	9,641	1,067
Active Duty Military	34,608	15,985	14,334	4,289	-
Civilian	16,508	4,441	8,925	2,075	1,067
Reserve & National Guard	11,481	6,564	1,640	3,277	-
Total expenditures	4,293,459	1,283,643	2,199,418	599,529	210,869
Payroll Outlays - Total	2,842,371	931,656	1,420,650	442,649	47,416
Active duty military	1,507,585	559,475	733,153	214,957	-
Civilian	968,122	233,907	578,287	108,512	1/ 47,416
Reserve & National Guard	91,652	46,345	4,202	41,105	-
Retired military	275,012	91,929	105,008	78,075	-
Contracts over $25,000 - Total	1,433,119	347,103	771,035	156,326	158,655
Supply & equipment	267,334	17,553	111,215	4,058	134,508
RDT & E	71,978	4,670	30,063	36,822	423
Service	821,447	231,665	457,125	108,933	23,724
Construction	265,575	86,430	172,632	6,513	-
Civil function	6,785	6,785	-	-	-
Grants	17,969	4,884	7,733	554	4,798
Prime Contracts over $25,000					
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
2001	1,307,386	384,621	675,948	93,021	153,796
2002	1,433,119	347,103	771,035	156,326	158,655

Continued on next page.

Table 10.06-- DEPARTMENT OF DEFENSE SUMMARY OF PERSONNEL, PAYROLLS, AND PRIME CONTRACT AWARDS: 2002-- Con.

Major locations of expenditures	Total	Payroll outlays	Grants or contracts
Pearl Harbor	1,299,541	842,646	456,895
Schofield Barracks	620,445	444,694	175,751
Hickam AFB	428,551	297,275	131,276
Honolulu	342,343	192,685	149,658
Kaneohe	295,490	270,435	25,055
Camp H.M. Smith	157,131	74,997	82,134
Fort Shafter	152,475	133,703	18,772
Tripler Army Med Ctr	152,229	109,115	43,114
Aiea	116,686	32,566	84,120
Wheeler AFB/Army Fld	92,595	75,568	17,027

Major locations of personnel	Total military & civilian	Active duty military	Civilian
Schofield Barracks	12,310	11,350	960
Pearl Harbor	11,175	4,730	6,445
Kaneohe	7,903	7,356	547
Hickam AFB	5,336	3,394	1,942
Tripler Army Med Ct	2,716	1,266	1,450
Fort Shafter	2,285	1,010	1,275
Kunia	2,000	1,936	64
Honolulu	1,824	299	1,525
Wheeler AFB/Army Fl	1,537	951	586
Camp H.M. Smith	1,319	1,043	276

Top Ten Contractors receiving the largest dollar volume of prime contract awards

Contractor Name	Amount	Contractor Name	Amount
Dick Corporation	151,701	Nova Group, Inc	37,470
Nan, Inc	91,256	ITT Industries, Inc	36,030
Northrop Grumman Corporation	68,613	Washington Group International	32,956
Tesoro Petroleum Corporation	50,695	ACTUS Lend Lease, LLC	28,777
Parsons-UXB (Joint Venture)	49,589	Hawaiian Electric Industries	28,507

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: 2002* and <http://www.dior.whs.mil/mmid/L03/fy02/ATLAS_2002.pdf> accessed June 17, 2003.

Table 10.07-- DEPARTMENT OF DEFENSE PERSONNEL AND DEPENDENTS, BY SERVICE: 2001 AND 2002

[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
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
2002						
Total	98,118	42,072	31,609	12,892	10,478	1,067
Total military and dependents	81,610	37,631	22,684	10,817	10,478	(NA)
Military personnel 1/	34,608	15,985	8,654	4,289	5,680	(NA)
Family members 2/	47,002	21,646	14,030	6,528	4,798	(NA)
Command-sponsored	44,137	21,646	12,185	6,425	3,881	(NA)
Non-command-sponsored	2,865	-	1,845	103	917	(NA)
Direct-hire civilians 4/	16,508	4,441	8,925	2,075	4/	1,067

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.

4/ All civilians are Direct-hires and are U.S. citizens except for 4 Navy Foreign National 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, 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; and *Worldwide Manpower* Distribution by Geographical Area, September 30, 2002 (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 25, 2003.

Table 10.08 -- DIRECT AND INDIRECT IMPACT OF A $1 BILLION MILITARY EXPENDITURE

[In millions of dollars and jobs. Total and top 10 in each category presented]

Category	Amount
Total output	1,800
Defense - military & civilian	780
Real estate	186
Construction	123
Business & professional services	107
Health services	92
Retail trade	73
Banking & insurance	73
Manufacturing of durables	46
Electricity	38
Wholesale trade	36
Total employment	24,650
Defense - military & civilian	13,667
Business & professional services	1,836
Retail trade	1,445
Construction	1,131
Health services	1,097
Eating & drinking places	651
Banking & insurance	638
Personal services	576
Real estate	478
Wholesale trade	426
Total household Income	1,000
Defense - military & civilian	674
Business & professional services	56
Construction	54
Health services	49
Retail trade	31
Banking & insurance	21
Wholesale trade	14
Real estate	13
Eating & drinking places	11
Transportation & warehousing	11

Source: Hawaii State Department of Business, Economic Development & Tourism, *The Hawaii Input-Output Study: 1997 Benchmark Report* (March 2002) <http://www.hawaii.gov/dbedt/97io/97i-o.pdf> accessed Arpil 24, 2003 and records.

Table 10.09-- FEDERAL EXPENDITURES FOR ARMY AND AIR NATIONAL GUARD: 2001 AND 2002

[In dollars. Fiscal year ended September 30]

Category	2001	2002
Total Federal support for Army National Guard	65,027,451	86,176,553
Total funds provided by National Guard Bureau (Army)	11,160,260	12,009,872
Total funds allotted to U.S. Property & Fiscal Office for Hawaii	53,828,149	74,166,681
National Guard Personnel Appropriation - Army	19,021,951	25,600,772
Military pay, transportation, and subsistence	18,199,069	24,773,659
Military uniform	499,732	543,851
Subsistence	323,150	283,262
Oper. and maint., military constr. approp. - Army	33,259,190	20,644,952
Civilian pay	19,006,491	19,965,806
Transportation and travel - Personnel	612,420	679,146
Equipment, supplies and service	7,994,737	10,064,179
Ground operations	4,129,356	4,633,440
Air operations	1,208,588	2,047,597
Other operating supplies and services	2,656,793	3,383,142
Construction, repairs, and utilities	5,645,542	16,176,775
Armory construction	-	8,135,893
Architectural and engineering services	-	961,376
Non-armory construction	38,992	350,000
Maintenance, repairs, and environmental	4,023,200	4,975,233
Utilities	1,583,350	1,754,273
Total funded by National Guard Bureau	1,586,000	1,680,000
Oper. & maint. Def. Approp.-Army Youth ChalleNGe	1,586,000	1,680,000
Total Federal support for Air National Guard	114,821,669	126,519,599
Total funds allotted to U.S. Property & Fiscal Office for Hawaii	86,900,955	101,215,830
National Guard Personnel Appropriation - Air	1,868,445	1,868,895
Deployments, transportation and travel	1,448,720	1,565,422
Military uniform	127,058	145,606
Subsistence	292,667	157,867
Oper. and maint., military constr. approp. - Air	85,032,480	99,346,353
Civilian pay	45,751,926	43,608,344
Transportation and travel	1,157,327	1,590,332
Personnel/deployments	1,018,474	1,457,653
Equipment and supplies	138,853	132,679
Equipment, supplies and service	36,575,728	52,176,662
Equipment	180,285	934,410
Supplies	6,313,714	9,699,773
Depot level reparables	22,459,223	25,861,539
Aviation fuel	4,897,828	11,623,011
Other operating supplies and services	2,724,678	4,057,929
Construction repairs	1,547,499	1,971,015
Architectural and engineering services	-	228,203
Minor construction/major repairs	17,384	431,512
Operations and maintenance agreements	1,530,115	1,311,300
Total funded by Air National Guard Bureau	27,920,714	25,303,769
Annual training pay	4,175,608	4,162,070
Other active duty pay	5,109,328	2,618,457
Inactive duty training pay	8,889,309	8,867,369
Basic training pay	1,373,989	95,569
Active Guard Reserve pay	8,372,480	9,560,305

Source: Hawaii Department of Defense, *Annual Report Fiscal Year 2001* , pp. 39-40; and, ibid *2002* <http://www.dod.state.hi.us/annualreport.html> accessed April 30, 2003 and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.10-- NATIONAL GUARD STRENGTH: 1980 TO 2002; AND ARMY NATIONAL GUARD, BY ISLAND: 2002

[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)
2002 1/	5,334	2,914	2,420	(NA)	(NA)	(NA)
2002 1/	5,334	2,914	2,420	(NA)	(NA)	(NA)
Oahu	(NA)	2,257	(NA)	(NA)	(NA)	(NA)
Hawaii	(NA)	382	(NA)	(NA)	(NA)	(NA)
Kauai	(NA)	110	(NA)	(NA)	(NA)	(NA)
Maui	(NA)	120	(NA)	(NA)	(NA)	(NA)
Molokai	(NA)	13	(NA)	(NA)	(NA)	(NA)
Lanai	(NA)	5	(NA)	(NA)	(NA)	(NA)
On Mainland tours	(NA)	26	(NA)	(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 2002 <http://www.dod.state.hi.us/annualreport.html> accessed May 7, 2003.

Table 10.11-- CIVILIAN EMPLOYMENT IN THE AIR FORCE, ARMY, AND NAVY: ANNUAL AVERAGES, 1990 TO 2002

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
2002	15,450	2,100	4,600	8,750

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book,* May 1997, p. 11; <http://www.state.hi.us/dlir/loihi/LFR/cst1998b.txt>; <http://www.state.hi.us/dlir/rs/loihi/LFR/CESST90S.PDF> accessed March 11, 2002 and <http://www.state.hi.us/dlir/rs/loihi/LFR/CESST00S.PDF> accessed March 11, 2002 and <http://www.state.hi.us/dlir/rs/loihi/LFR/CST2002P.PDF> accessed February 10, 2003 and and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 10.12-- 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 10.13-- SELECTIVE SERVICE REGISTRATION IN THE UNITED STATES AND HAWAII : 1999 TO 2002

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

Area	United States	Hawaii
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	10,168,830	39,002
Born 1981-82	2,725,439	10,787
Born 1975-82	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
Average percent registered 2/	86	75
Rank	…	50
2002		
Draft eligible registrants, born 1977-1982	11,052,970	43,837
Born 1983-1984	2,716,171	10,589
Born 1977-1984	13,769,141	54,426

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.

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; for 2001 <http://www.sss.gov/PDFs/SSS_2001AnRpt.pdf> and <http://www.sss.gov/PDFs/CompareCharts2001COLOR.pdf> accessed March 27, 2003; and for <http://www.sss.gov/PDFs/Ann_Rpt02_scrn.pdf> accessed July 22, 2003.

Table 10.14-- MILITARY PRIME CONTRACT AWARDS, BY PROGRAM: 1997 TO 2002

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

Procurement program 1/	1997	1998	1999	2000	2001	2002
Total	957,353	889,607	984,848	1,159,586	1,307,386	1,433,119
Airframes and spares	581	877	-	19,267	-	3,522
Aircraft engines and spares	-	-	-	-	-	70
Other aircraft equipment	-	831	-	925	-	80
Missile and space systems	9,694	7,843	6,901	1,778	4,024	3,374
Ships	18,394	7,692	24,880	30,248	52,133	47,775
Combat vehicles	-	-	-	-	150	400
Non-combat vehicles	-	41	28	55	84	72
Ammunition	-	85	-	-	-	-
Electronics and communication equip.	36,222	38,840	38,342	30,401	27,869	40,168
Petroleum	47,883	44,523	42,129	88,255	109,276	78,593
Other fuels and lubricants	-	-	-	696	133	757
Containers and hauling equipment	-	-	-	-	-	88
Textiles, clothing, and equipage	-	-	-	138	123	136
Building supplies	576	352	333	-	150	183
Subsistence	9,158	20,623	25,729	17,382	14,085	16,804
Transportation equipment	-	-	-	-	133	79
Production equipment	64	-	-	80	28	28
Construction 2/	524,134	469,862	548,100	532,296	601,521	590,958
Construction equipment	124	1,990	834	1,129	144	62
Medical and dental supplies and equip.	5,823	7,580	8,938	9,482	14,199	24,261
Photographic supplies and equipment	-	29	-	170	2,537	-
Materials handling equipment	8,089	411	1,331	54	39	353
All other supplies and equipment	40,487	32,747	62,110	41,024	41,969	92,526
Services	256,123	255,280	225,195	386,205	438,789	532,831

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

2/ In FY02, Hawaii had 4.5 percent of the United States total, placing as the 5th 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 1999, 1998, and 1997* , 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 <http://web1.whs.osd.mil/peidhome/geostats/p06/fy2001/P06-State-Maj-Procurement-2002.xls> accessed March 27, 2003 and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 10.15-- UNITED STATES DEPARTMENT OF DEFENSE PRIME CONTRACT AWARDS, BY COUNTY, BY DEFENSE COMPONENT: 1999 TO 2002

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

Procurement program	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	-	-
Total Fiscal Year 2002	1,433,119	19,570	1,329,220	55,653	28,676
Army	340,323	10,798	325,702	599	3,224
Navy	771,034	3,048	709,712	55,102	3,172
Air Force	156,322	851	133,995	92	21,384
Defense Logistics Agency	129,250	-	129,333	-82	-
Civil Functions: OCE	6,785	4,109	1,780	-	896
Other Defense agencies	29,405	763	28,699	-57	-

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>; ibid, *2000* <http://web1.whs.osd.mil/peidhome/st/st25/fy2000/STHawaii.HTM>; ibid, *2001* <http://web1.whs.osd.mil/peidhome/geostats/p06/fy2001/P06-State-County-2001.pdf>; and for Fiscal Year 2002 <http://www.dior.whs.mil/peidhome/procstat/procstat.htm> accessed March 2, 2003.

Table 10.16-- MILITARY SUBCONTRACTING PROGRAM: 1999 TO 2002

[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/	1999	2000	2001	2002
Hawaii number of contractors	62	53	47	52
Hawaii total contracts	207,871	312,355	261,006	336,273
Large business	107,916	129,414	95,577	149,497
Small business	99,955	182,941	165,429	186,776
Small disadvantaged business	48,791	88,388	80,541	80,080
Women-owned business	23,838	50,302	40,228	21,072
HBCU/MI 1/	-	-	22	9
Hawaii contracts as percent of total	100.0	100.0	100.0	100.0
Large business	51.9	41.4	36.6	44.5
Small business	48.1	58.6	63.4	55.5
Small disadvantaged business	23.5	28.3	30.9	23.8
Women-owned business	11.5	16.1	15.4	6.3
HBCU/MI 1/	-	-	2/	2/
United States number of contractors	2,268	2,154	2,133	2,013
United States total contracts	52,307,172	54,799,448	60,387,603	75,395,375
Large business	30,843,298	33,216,883	36,948,157	49,696,856
Small business	21,463,873	21,582,565	23,439,446	25,698,519
Small disadvantaged business	2,937,098	2,954,752	2,947,732	3,471,406
Women-owned business	2,024,504	2,342,403	2,469,738	3,275,806
HBCU/MI 1/	11,333	10,709	22,049	16,656
U.S. contracts as percent of total	100.0	100.0	100.0	100.0
Large business	59.0	60.6	61.2	65.9
Small business	41.0	39.4	38.8	34.1
Small disadvantaged business	5.6	5.4	4.9	4.6
Women-owned business	3.9	4.3	4.1	4.3
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:
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.
2002 <http://web1.whs.osd.mil/PEIDHOME/procstat/P14/FY02/TabII-2.pdf> accessed June 18, 2003

Table 10.17-- 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 10.18-- MILITARY INSTALLATIONS BY SITE, COMPONENT, BUILDINGS, ACREAGE, VALUE AND PERSONNEL: SEPTEMBER 30, 2002

[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 Nearest City	Buildings Owned Number	Buildings Owned Square Feet	Buildings Leased Number	Buildings Leased Sq Ft	Acreage Total	Acreage Owned	PRV ($M)	Personnel Total	Personnel Military	Personnel Civilian	Personnel Other
Hawaii Total			14,564	74,306,896	4	29,056	245,485	158,404	23,289.7	67,852	54,036	13,774	42
Aliamanu Military Reservation	Army Active	Honolulu	659	4,173,032	-	-	535	524	715.7	18	8	10	-
Barbers Point CSO	Navy Active	Barbers Point	89	829,257	-	-	1,504	1,378	355.6	1	1	-	-
Barking Sands Communication Station	Air Nat'l Guard	Kekaha	-	-	-	-	14		13.4	-	-	-	-
Bellows AFS	AF Active	Waimanalo	105	135,649	-	-	487	409	124.4	31	27	4	-
COMNAVBASE Pearl Harbor	Navy Active	Pearl Harbor	189	993,892	-	-	950	946	201.1	10,260	9,362	898	-
Dillingham Military Reservation	Army Active	Waialua	20	11,349	-	-	664	628	74.7	-	-	-	-
FISC Pearl Harbor	Navy Active	Pearl Harbor	51	1,328,706	-	-	687	669	992.8	331	20	311	-
Fort DeRussy	Army Active	Honolulu	8	782,755	-	-	73	71	237.8	3	-	3	-
Fort Ruger	Army Guard	Honolulu	47	194,321	-	-	337	337	53.6	378	378	-	-
Fort Shafter	Army Active	Honolulu	325	2,481,718	-	-	591	588	662.5	5,224	3,002	2,182	40
Helemano Rad Rec Station	Army Active	Wahiawa	240	1,785,992	-	-	290	282	382.1	532	520	12	-
Hickam Air Force Base	AF Active	Honolulu	1,242	8,780,226	-	-	2,523	2,513	2,873.3	7,120	5,722	1,398	-
Hickam Petroleum Prod Storage Annex	AF Active	Wahiawa	20	11,332	-	-	151	92	114.2	-	-	-	-
Kaena Point Satellite Tracking Station	AF Active	Waialua	33	68,066	-	-	153	-	63.4	23	4	19	-
Kahuku Training Area	Army Active	Kahuku	19	22,745	-	-	9,773	8,241	19.1	-	-	-	-
Kalaeloa (Barbers Point)	Army Guard	Kapolei	36	681,743	-	-	153	153	138.1	970	970	-	-
Kilauea Military Reserve	Army Active	Hilo	88	148,073	-	-	68	1	75.6	-	-	-	-
Kipapa Ammo Storage Site	Army Active	Waipahu	80	209,297	-	-	401	370	74.3	-	-	-	-
Kokee AFS	AF Active	Kekaha	12	21,454	-	-	11	-	11.4	47	47	-	-
Marine Corps Base Kaneohe	USMC Active	Kaneohe Bay	2,257	9,990,127	-	-	35,603	4,668	2,293.4	10,786	10,031	755	-
NAVMAG Pearl Harbor	Navy Active	Lualualei	229	1,056,793	-	-	12,028	12,013	733.2	126	114	12	-
NAVSTA, Pearl Harbor	Navy Active	Pearl Harbor	479	5,786,555	-	-	6,250	6,247	1,798.5	2,958	2,254	704	-
NCTAMS Pac Honolulu	Navy Active	Wahiawa	139	613,065	-	-	2,435	2,407	335.0	796	684	112	-
PACMISRANFAC Hawaiian Area	Navy Active	Kauai	279	618,394	2	22,021	3,680	2,033	362.7	202	104	98	-
Pearl Harbor NAVSHIPYD and IMF	Navy Active	Pearl Harbor	164	3,661,934	-	-	290	289	1,936.8	8,290	4,150	4,140	-
Pohakuloa Training Area	Army Active	Hilo	172	271,557	-	-	108,792	84,815	135.7	24	8	16	-
Pupukea Paalaa Uka Military Road	Army Active	Wahiawa	-	-	-	-	109	-	12.1	-	-	-	-
PWC Pearl Harbor	Navy Active	Pearl Harbor	5,222	11,553,061	-	-	2,181	2,130	2,876.2	1,776	166	1,608	2
Schofield Bks Military Reservation	Army Active	Wahiawa	1,512	12,258,689	-	-	16,676	13,598	3,242.1	10,318	10,148	170	-
Signal Cable Trunking System	Army Active	Wahiawa	44	9,171	-	-	201	1	81.3	-	-	-	-
Tripler AMC	Army Active	Honolulu	81	2,146,761	-	-	367	358	948.7	2,445	1,413	1,032	-
TS Keaukaha Military Reservation	Army Guard	Hilo	50	117,276	-	-	509	509	44.9	219	219	-	-
TS Waiawa Gulch	Army Guard	Pearl City	3	69,369	-	-	22	22	35.7	291	291	-	-
USA Field Station Kunia	Army Active	Kunia	11	272,159	-	-	95	34	116.6	-	-	-	-
Waianae	Army Active	Waianae	47	46,546	1	637	14	12	18.4	-	-	-	-
Waikakalaua Ammo Storage Tunnels	Army Active	Mililani	49	104,236	-	-	314	313	40.0	-	-	-	-
Wheeler Army Airfield	Army Active	Wahiawa	416	2,021,017	-	-	1,370	1,369	696.1	1,853	1,700	153	-
Other (48 sites) 1/	(NA)	48	147	1,050,579	1	6,398	35,186	10,382	399	2,830	2,693	137	0
Army	Army	24	67	444,029	-	-	34,541	10,364	159	1,652	1,652	0	-
Navy	Navy	9	33	389,251	-	-	12	12	104	770	633	137	-
Air Force	Air Force	15	47	217,299	1	6,398	633	6	136	408	408	0	-
USMC	USMC	-	-	-	-	-	-	-	-	-	-	-	-

1/ United States locations that do not meet criteria of at least 10 acres and at least $10 million PVR (plant replacement value).

Source: U.S. Department of Defense, *Base Structure Report, A Summary of DoD's Real Property Inventory FY2002* <http://www.defenselink.mil/pubs/almanac/almanac/Graphics/BSR_03.pdf> accessed July 24, 2002.

Table 10.19-- 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 10.20-- HOUSING UNITS OWNED BY THE ARMED FORCES, BY SERVICE AND GEOGRAPHIC AREA: APRIL 1, 1995 TO 1998

Geographic area	All services	Air Force	Army	Coast Guard	Marine Corps	Navy
1995						
State total	21,060	3,189	8,389	326	2,095	7,061
Oahu	20,971	3,189	8,386	309	2,095	6,992
Other islands	89	-	3	17	-	69
1996						
State total	20,824	2,675	8,641	316	2,095	7,097
Oahu	20,735	2,675	8,638	299	2,095	7,028
Other islands	89	-	3	17	-	69
1997						
State total	20,481	2,659	8,641	316	2,095	6,770
Oahu	20,392	2,659	8,638	299	2,095	6,701
Other islands	89	-	3	17	-	69
1998						
State total	20,616	2,659	8,847	342	2,041	6,727
Oahu	20,527	2,659	8,844	325	2,041	6,658
Other islands	89	-	3	17	-	69

Source: Hawaii State Department of Business, Economic Development & Tourism, *Statistical Report 230, Housing Unit Estimates for Hawaii, 1980-1995* (September 1996) and Ibid., survey of local housing agencies.

Table 10.21-- MILITARY HOUSING PRIVATIZATION INITIATIVE PROJECTS

[Numbers of units are approximate as of October 10, 2003. The MHPI is a 50-year public-private partnership as authorized under the National Defense Authorization Act for fiscal year 1996 to facilitate upgrade and maintenance of the inventory of miltary housing units]

Component, location and condition	Number of dwelling units
Total dwelling units participating	16,396
Army - Residential Communities Initiative Total 1/	7,704
Oahu South - Honolulu	3,111
Aliamanu Military Reservation	2,018
Tripler Army Medical Center	216
Fort Shafter	559
Addendum: U.S. Coast Guard Kia'i Kai Hale 2/	318
Oahu North - Pearl Harbor	4,911
Wheeler Army Airfield - approximate	657
Schofield Barracks	3,366
Helemano Military Reservation	888
Air Force - Total 3/	1,356
Capehart - renovated 1997-2001	354
Capehart - to be demolished and rebuilt	16
Capehart - major renovation required	178
Earhart - major renovation required	622
Earhart - minor renovation required	186
Navy/Marine - Public-private partnership total	7,336
Navy/Marine - Phase 1 4/	1,948
Halsey Terrace	475
Hokulani	190
McGrew Point	130
Radford Terrace	401
Moanalua Terrace	752
Navy/Marine - Future Phase 2	1,002
Catlin Park	370
Halawa	80
Hale Moku	318
Doris Miller Park	214
Maloelap	20

Continued on next page.

Table 10.21-- MILITARY HOUSING PRIVITIZATION INITIATIVE PROJECTS - Con.

Component, location and condition	Number of dwelling units
Navy/Marine - Future Phase 3	2,050
Camp Stover	200
Manana, Navy	79
Pearl City	850
Marine Barracks	11
Ford Island	600
Hale Ali'i	14
Makalapa	107
L'il Makalapa	30
Hospital Point	19
NCTAMS	140
Navy/Marine - Future Phase 4	2,336
Kaneohe Bay - approximate number	2,336

1/ On August the U.S. Army announced selection of Actus Lend Lease LLC. A January 2002 estimate indicated the FY2002 project at Ft. Shafter/Schofield will encompass 8,178 homes <http://www.rci.army.mil/RFQ/programsummary.ppt> accessed October 10, 2003.

2/ There is an option for 318 units of U.S.Coast Guard housing to be included in the Army's RCI project.

3/ As of September, 2003 the U.S. Air Force will privatize 1,356 housing units and retain 1,284 housing units. On October 3, 2003 the U.S. Air Force announced selection of Napa, California-based Actus Lend Lease LLC as development partner. Initial Hickam development work estimated at $300 million is expected to start in April and be complete by February 2009.

4/ On September 26, 2003, the U.S. Navy Region Hawaii announced selection of development team Hawaii Military Communities LLC (HMC) - a partnership of Ohio-based Forest City Enterprises Inc., Texas-based C.F. Jordan LP and 19 Hawaii companies. HMC has entered into negotiations with the Navy for Phase 1. The cost is estimated at $358 million for construction, renovation and demolition and for amenities such as community centers, landscaping and street improvements. The plan includes 10 management homes for a total of 1,958 where 918 will be replaced and 1,040 will be renovated.

Source: Building Industry Association of Hawaii "Military Housing Privatization Initiative in Hawaii" Forum Presentation, June 18, 2003 <http://biahawaii.inets.com/docs/webdocs/RTC/BIA0306171.pdf> accessed July 17, 2003; Hawaii Military Communities News Release, September 26, 2003 <http://www.hawaiimilitarycommunities.com/press/press1.pdf> accessed October 7, 2003; Honolulu Advertiser "Actus wins $1.1B Air Force contract" (October 4, 2003) <http://the.honoluluadvertiser.com/article/2003/Oct/04/bz/bz02a.html> accessed October 4, 2003; U.S. Air Force, "Hickam AFB - Housing Privatization Fact Sheet September 2003" <http://www2.hickam.af.mil/housing/PrivMH/Updated%20Fact%20Sheet%20(Jun%2003)%20sans%2036%20units.doc> accessed October 8, 2003; and U.S. Navy Region Hawaii News Release "PPV contractor announced" <http://www.hnn.navy.mil/ppv_031003.htm> accessed October 10, 2003.

Table 10.22-- VETERAN STATUS OF CIVILIANS 16 YEARS AND OVER: 1970 TO 2001

Veteran status	Civilian males		All civilians 1/				
	1970	1980	1980	1990	1999	2000	2001
Civilians 16 and over	223,573	316,651	665,036	801,517	(NA)	2/ 878,220	(NA)
Veterans	89,098	98,633	103,774	119,256	112,000	2/ 120,587	102,000
Male veterans	(NA)	(NA)	(NA)	(NA)	104,000	(NA)	96,000
Female veterans	(NA)	(NA)	(NA)	(NA)	8,000	(NA)	6,000
War veterans 3/	75,026	82,230	85,322	87,301	83,000	(NA)	73,000
Persian Gulf War	-	-	-	-	10,000	(NA)	9,000
Vietnam era	20,548	36,441	38,136	41,860	42,000	(NA)	34,000
Korean conflict	20,006	21,860	22,351	22,362	18,000	(NA)	12,000
World War II	34,486	31,170	32,156	32,551	22,000	(NA)	18,000
World War I	2,501	824	854	132	(Z)	(NA)	-
Peacetime only	14,072	16,403	18,452	31,955	30,000	(NA)	29,000
Nonveterans	134,475	218,018	561,262	682,261	(NA)	2/ 757,633	(NA)

- 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, *2001* , p. 335 and <http://www.census.gov/prod/2002pubs/01statab/defense.pdf> accessed April 2, 2002; *2002* , p. 335 and <http://www.census.gov/prod/2003pubs/02statab/defense.pdf> accessed June 27, 2003; 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 10.23- SELECTED VETERANS' BENEFITS AND COMPENSATION EXPENDITURES FOR HAWAII AND THE UNITED STATES: 2002

[In number and thousands of dollars]

Category	Hawaii	United States
Total of Selected Expenditures ($1,000)	245,457	53,968,143
Total Readjustment Benefits 1/	13,608	1,964,928
Education Assistance		
Post-Vietnam Conflict (Chapter 32) ($1,000)	11	2,384
Montgomery GI Bill		
Active Duty Chapter 30 Trained during fiscal year	1,788	272,865
Amount ($1,000)	7,552	1,045,175
Selected Reserve Chapter 1606 Trained during fiscal year	869	80,152
Amount ($1,000)	929	128,587
Dependents Educational Assistance (Title 38, U.S.C., Ch. 35)		
Trained during fiscal year - Sons & daughters	243	44,779
Trained during fiscal year - Widow(er)s & spouses	47	7,021
Amount ($1,000)	1,257	222,471
Vocational Rehabilitation (Title 38, U.S.C., Ch 31)		
Trained during fiscal year	362	53,180
Amount ($1,000)	1,498	472,072
Automobiles & other conveyances for disabled veterans ($1,000)	28	29,823
Specially adapted housing for disabled veterans ($1,000)	134	15,448
Insurance & indemnities ($1,000)	16,033	1,896,269
Hospital domiciliary & other construction ($1,000)	68	437,027
Medical services & admin costs ($1,000)	91,615	24,763,358
Compensation and Pension		
Living and Deceased Veterans		
Number	15,025	3,201,892
Amount ($1,000)	124,133	24,906,560
Burial benefits	308	67,200
Service-connected Number	13,958	2,656,929
Amount ($1,000)	116,980	21,817,867
Nonservice-connected Number	1,067	544,963
Amount ($1,000)	6,845	2,988,768
Living veterans		
Number	13,292	2,689,784
Amount ($1,000)	105,337	20,523,256
Service-connected Number	12,540	2,359,812
Amount ($1,000)	99,706	18,183,032
Nonservice-connected Number	752	329,972
Amount ($1,000)	5,631	2,340,224
Deceased veterans		
Number	1,733	512,108
Amount ($1,000)	18,488	4,283,379
Service-connected Number	1,418	297,117
Amount ($1,000)	17,274	3,634,835
Nonservice-connected Number	315	214,991
Amount ($1,000)	1,214	648,544

1/ State totals include expenditures not shown in program categories.

Source: U.S. Department of Veterans' Affairs, *FY 2002 Annual Accountability Report Statistical Appendix,* Table 22 "Estimated Selected Expenditures by State, FY 2002" <http://www.va.gov/vetdata/ProgramStatics/> accessed July 22, 2003.

Table 10.24--DISTRIBUTION OF VETERANS AFFAIRS POPULATION AND EXPENDITURES, BY COUNTIES AND CONGRESSIONAL DISTRICTS: 2002

[In number of 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	116,309	245,457,116	124,132,769	13,608,459	16,033,000	68,027	91,614,860
Hawaii County (02)	15,545	21,846,000	19,220,725	647,877	1,977,398	-	-
City & County of Honolulu	84,413	206,905,536	90,778,279	12,505,796	11,938,573	68,027	91,614,860
(01)	56,568	172,137,054	62,841,037	9,340,868	8,272,261	68,027	91,614,860
(02)	27,845	34,768,482	27,937,242	3,164,928	3,666,312	-	-
Kalawao County (02)	2	4,829	-	67	4,762	-	-
Kauai County (02)	5,536	5,596,358	4,704,727	177,714	713,917	-	-
Maui County (02)	10,813	11,104,393	9,429,038	277,005	1,398,350	-	-
Total (01)	56,568	172,137,054	62,841,037	9,340,868	8,272,261	68,027	91,614,860
Total (02)	59,742	73,320,062	61,291,732	4,267,591	7,760,739	-	-

1/ Estimated veteran population as of September 30, 2002.

Source: U.S. Department of Veteran Affairs, Veteran Data & Information, Expenditure and Workload Data, <http://www.va.gov/vetdata/GeographicInformation/GDX-FY02_Final.xls> accessed July 17, 2003.

Table 10.25-- MILITARY PERSONNEL, AND MILITARY PERSONNEL OVER 65 YEARS OLD, RECEIVING AND NOT RECEIVING RETIRED PAY FROM THE DEPARTMENT OF DEFENSE: SEPTEMBER 30, 2002

Service	Number of personnel		Monthly payment 2/ ($1,000)	Average payment per person paid 3/ (dollars)
	Retired 1/	Paid by DOD		
Department of Defense	14,709	13,286	22,669	1,706
By rank	14,709	13,286	22,668	1,706
Officers	4,102	4,027	10,880	2,702
Nondisabled and reserve	3,923	3,869	10,489	2,711
Disabled	179	158	391	2,475
Enlisted	10,607	9,259	11,788	1,273
Nondisabled and reserve	9,647	8,849	11,485	1,298
Disabled	960	410	303	739
By branch of service	14,709	13,286	22,668	1,706
Army	5,577	4,921	7,741	1,573
Navy	4,178	3,838	6,877	1,792
Marine Corps	1,004	884	1,772	2,005
Air Force	3,950	3,643	6,278	1,723
Addendum 4/: Coast Guard	277	267	438	1,640
Department of Defense, Over 65	6,747	5,890	10,490	1,781
By rank	6,747	5,890	10,490	1,781
Officers	2,276	2,220	5,905	2,660
Nondisabled and reserve	2,181	2,132	5,633	2,642
Disabled	95	88	272	3,091
Enlisted	4,471	3,670	4,585	1,249
Nondisabled and reserve	4,190	3,550	4,461	1,257
Disabled	281	120	124	1,033
By branch of service	6,747	5,890	10,490	1,781
Army	3,067	2,684	4,197	1,564
Navy	1,469	1,255	2,596	2,069
Marine Corps	368	328	746	2,274
Air Force	1,843	1,623	2,951	1,818
Addendum 4/: Coast Guard	119	114	197	1,728

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 2002 DOD Statistical Report on the Military Retirement System* (June 2003) <http://dod.mil/actuary/statbook02.pdf> accessed June 23, 2003.

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, 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, and the Hawaii State Employees' Retirement System. *Historical Statistics of Hawaii*, Section 8, contains data for earlier years. Section 11 of the *Statistical Abstract of the United States: 2002* presents comparable national data.

Table 11.01-- TEMPORARY ASSISTANCE TO NEEDY FAMILIES, AVERAGE MONTHLY, BY ISLANDS: 1998 TO 2002

[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
2002								
Cases	11,867	7,949	2,467	575	876	13	735	128
Recipients	32,407	21,917	6,700	1,514	2,276	29	1,896	351
Expenditures 1/	6,076	4,096	1,266	280	434	6	363	65

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 2002

[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
2002								
Cases	5,073	3,526	973	243	331	3	217	111
Recipients	21,011	14,433	4,082	1,064	1,432	11	926	495
Expenditures 1/	2,600	1,784	511	134	171	2	113	56

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 2002

[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
2002	50,967	33,854	10,768	2,674	3,671	30	3,003	638

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 2002

[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
2002	106,748	70,826	22,348	5,664	7,910	58	6,143	1,709

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 2002

[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
2002	150,829,817	99,686,498	32,276,917	7,889,448	10,976,954	75,379	8,612,864	2,288,711

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: 1999 TO 2001

[December data. Based on 10-percent samples]

Age, race, and sex	1999	2000	2001
Total 1/	179,150	184,140	188,920
Age:			
17 years or under	11,190	10,970	11,050
18 to 64 years	30,280	30,370	32,210
65 to 69 years	34,930	37,060	37,180
70 to 74 years	37,240	37,200	37,420
75 years or older	65,510	68,540	71,060
Race:			
White	46,570	48,330	50,340
Black	2,000	2,200	2,200
Other	129,460	132,560	135,420
Adult beneficiaries:			
Men	73,760	76,020	78,060
Women	91,860	94,710	97,260

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/policy/statcomps/Supplement/2002> accessed September 15, 2003.

Table 11.07-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFICIARIES AND BENEFITS IN CURRENT-PAYMENT STATUS, BY TYPE OF BENEFIT: 2000 AND 2001

[December data. Based on 10-percent samples]

Type of benefit	Number of OASDI beneficiaries		Amount of monthly benefits ($1,000)	
	2000	2001	2000	2001
Total	184,140	188,920	142,159	151,425
Retirement program:				
Retired workers 1/	131,010	134,410	109,261	116,178
Spouses	9,890	9,710	4,005	4,050
Children	2,400	2,420	937	990
Survivor program:				
Widows, widowers, and parents	15,920	16,140	12,232	12,827
Children	6,860	6,860	3,772	3,947
Disability program:				
Disabled workers	13,510	14,630	10,860	12,262
Spouses	400	430	85	96
Children	4,150	4,320	1,007	1,075
Age 65 and over				
Men	62,600	63,290	57,160	59,749
Women	80,200	82,370	57,920	61,927

1/ Includes special age-72 beneficiaries.

Source: U.S. Department of Health and Human Services, Social Security Administration, *Social Security Bulletin, Annual Statistical Supplement* (annual) tables 5.J2, 5.J3 and 5.J4; Office of Research, Evaluation & Statistics <http://www.ssa.gov/policy/statcomps/Supplement/2002> accessed September 15, 2003.

Table 11.08-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFICIARIES IN CURRENT-PAYMENT STATUS, BY COUNTIES: DECEMBER 2001

County 1/	Total	Benefits			Aged 65 and older	
		Retirement 2/	Survivors 3/	Disability	Men	Women
State total 4/	187,794	145,939	22,461	19,394	63,091	80,921
Hawaii	26,455	19,160	3,485	3,810	8,855	10,165
Honolulu	133,135	105,540	15,255	12,340	45,080	59,210
Kauai	9,845	7,645	1,266	935	3,375	4,135
Maui	18,355	13,790	2,255	2,310	5,980	7,410

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, *Master Beneficiary Record, 100 percent data,* table 4.

Table 11.09-- RETIREMENT, SURVIVORS AND DISABILITY INSURANCE (OASDI) BENEFITS IN CURRENT-PAYMENT STATUS, BY COUNTIES: DECEMBER 2001

[In thousand dollars]

County 1/	Total	Benefits			Aged 65 and older	
		Retirement 2/	Survivors 3/	Disability	Men	Women
State total 4/	150,342	120,383	16,450	13,522	59,540	60,688
Hawaii	20,897	15,751	2,524	2,623	8,218	7,531
Honolulu	106,863	86,944	11,292	8,626	42,474	44,472
Kauai	7,809	6,197	948	665	3,135	3,044
Maui	14,769	11,477	1,685	1,608	5,714	5,640

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, *Master Beneficiary Record, 100 percent data,* 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 2001

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
2001	188,920	151,425	1,752

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/policy/statcomps/Supplement/2002> accessed September 15, 2003.

Table 11.12-- MEDICARE BENEFICIARIES ENROLLED AND BENEFIT PAYMENTS: 1999 TO 2001

Coverage	All persons, July 1			Persons 65 and over, July 1			Estimated benefit payments 1/ ($1,000)		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
Hospital and/or medical insurance	161,787	165,265	168,296	148,077	150,722	152,797	600,477	621,681	717,998
Hospital insurance	160,720	164,213	167,207	147,013	149,675	151,711	-	-	-
Supplementary medical insurance	150,752	153,832	156,691	138,607	140,889	142,930	-	-	-
Hospital and medical insurance (both)	149,685	152,780	155,602	137,543	139,842	141,844	-	-	-

1/ Fiscal year.

Source: U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services <www.cms.hhs.gov/statistics/enrollment> and <www.cms.hhs.gov/statistics/feeforservice/BenefitPayments01.pdf> accessed July 9, 2003.

Table 11.13-- DISABILITY STATUS OF CIVILIAN NONINSTITUTIONALIZED POPULATION, FOR THE STATE AND OAHU: 2000

Disability	State	Oahu
Population 5 years and over	1,087,490	775,099
With a disability	199,819	138,995
Percent with a disability	18.4	17.9
Population 5 to 15 years	184,176	128,823
With a disability	8,719	6,131
Percent with a disability	4.7	4.8
Sensory	1,255	89
Physical	1,453	1,076
Mental	7,238	5,143
Self-care	1,146	807
Population 16 to 64 years	745,317	530,330
With a disability	126,956	86,004
Percent with a disability	17.0	16.2
Sensory	14,897	10,245
Physical	37,297	24,887
Mental	23,062	15,775
Self-care	9,953	7,023
Go, outside, home	45,939	32,258
Employment	84,839	56,588
Population 65 years and over	157,997	115,946
With a disability	64,144	46,860
Percent with a disability	40.6	40.4
Sensory	21,830	16,001
Physical	39,149	28,409
Mental	19,361	14,495
Self-care	13,640	10,393
Go, outside, home	34,737	25,635

Source: U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002) <http://factfinder.census.gov/servlet/BasicFactsServlet> accessed August 11, 2003.

Table 11.14-- PERSONS SERVED BY STATE HOMELESS PROGRAMS: 2000 AND 2001

[Years ended June 30]

Year and program	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
2000					
Persons	12,126	6,837	2,178	792	2,319
Outreach program	6,267	2,905	1,364	792	1,206
Stipend program	5,859	3,932	814	-	1,113
2001					
Persons	13,087	7,149	2,455	873	2,610
Outreach program	7,210	3,320	1,507	855	1,528
Stipend program	5,877	3,829	948	18	1,082

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: 2000 AND 2001

[Year ended June 30. Figures shown are unduplicated counts]

Subject	Persons		Subject	Persons	
	2000	2001		2000	2001
Number of clients	1,875	2,545	Hawaii residency	1,875	2,545
City & County of Honolulu	629	1,177	Traveller/transient	101	92
Hawaii	565	547	Less than 3 months (intention to stay)	266	318
Kauai	374	342	3 months to 2 years	289	294
Maui	307	479	Long time resident	1,194	1,420
			Unknown	25	421
Age	1,875	2,545			
Less than 1 year	28	40			
1 to 5 years	110	181	Causes of homelessness 1/	2,935	3,454
6 to 12 years	124	148	Eviction	166	279
13 to 18 years	99	119	Unable to find affordable housing	440	525
19 to 44 years	1,082	1,257	Abused by parent/spouse	78	38
45 to 60 years	388	419	Other family conflicts	250	284
Over 60 years	30	31	Loss of employment	178	236
Unknown	14	350	Little or no income	689	801
			Release from institution	46	19
Ethnicity	1,875	2,545	Transient	88	243
Caucasian	945	688	Alcoholism	125	108
Black	55	65	Drug abuse	85	99
Hispanic	70	112	Chronic mental illness	96	101
Hawaiian/Part Hawaiian	428	650	Emotional/mood disorder	89	95
Filipino	46	75	Illness/physical disability	122	109
Native American/Alaskan	46	62	Other	483	517
Mixed (except Hawaiian)	190	194			
Other	95	699			
			Housing status 1/	2,438	5,156
Length of homelessness	(NA)	2,545	Sheltered	238	129
Less than 1 month	(NA)	763	Transitional	74	17
1 month to 1 year	(NA)	956	Doubling up	46	21
More than 1 year	(NA)	315	Street/park/vehicle/tent	1,895	1,891
Risk with 45-day eviction	(NA)	33	Other	146	88
Unknown	(NA)	478	Unknown	39	10

NA Not available.

1/ Multiple responses were 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: 2000 AND 2001

[Years ended June 30]

Subject	Persons		Subject	Persons	
	2000	2001		2000	2001
Number of participants	5,859	5,877	Gender	5,859	5,877
City & County of Honolulu	3,932	3,829	Male	3,393	3,277
Hawaii	814	948	Female	2,461	2,594
Kauai	-	18	Unknown	5	6
Maui	1,113	1,082			
			Hawaii residency 1/	4,071	3,876
Age of child	1,788	2,001	Less than 6 months	796	676
Less than 1 year	226	260	6 to 11 months	205	188
1 to 5 years	705	773	1 to 5 years	498	436
6 to 12 years	617	729	6 to 10 years	290	268
13 to 17 years	234	226	10 years and over	784	760
Unknown	6	13	Lifetime	1,487	1,543
			Unknown	11	5
Age of adult	4,071	3,876			
Under 18 years	8	13	Employment 1/	4,071	3,876
18 to 29 years	1,096	1,067	Unemployed	3,312	3,071
30 to 39 years	1,273	1,219	Part-time	418	370
40 to 49 years	1,093	1,015	Full-time	336	431
50 to 59 years	419	411	Unknown	5	4
60 years and over	174	147			
Unknown	8	4	Family status 1/	4,071	3,876
			Single, no children	2,842	2,571
Ethnicity	5,859	5,877	Couple, no children	25	26
Caucasian/white	1,736	1,721	Single, with children	509	518
Hawaiian/part Hawaiian	1,881	1,962	Couple, with children	240	289
Black	346	312	Intergenerational/extended	22	21
Hispanic	322	264	Other	1	3
Filipino	326	309	Unknown	432	448
Samoan	219	205			
Other pacific islander	282	380	Length of homelessness 1/	4,071	3,876
Mixed/cosmopolitan	265	278	0 days/at risk	1,331	1,397
Other	482	446	Less than 1 month	1,145	969
Mixed/cosmopolitan	265	278	1 to 3 months	480	462
Other	482	446	4 to 6 months	171	156
			7 to 12 months	123	133
			1 to 2 years	167	118
			More than 2 years	200	170
			Other	3	4
			Unknown	451	467

Continued on next page.

Table 11.16-- CHARACTERISTICS OF PERSONS PARTICIPATING IN THE STATE HOMELESS STIPEND PROGRAM: 2000 AND 2001 -- Con.

Subject	Persons		Subject	Persons	
	2000	2001		2000	2001
Marital status 1/	4,071	3,876	Causes of homelenesses 2/	7,684	7,131
Single	2,161	1,995	Income/financial	2,827	2,565
Married	524	572	Problems paying rent	2,041	1,863
Separated/divorced	1,063	936	Loss of employment	786	702
Widowed	94	78	Housing	963	885
Living together	222	286	Evicted	593	505
Other	1	4	Too crowded	370	380
Unknown	6	5	Health	1,990	1,758
			Physical disablility	629	473
Education 1/	4,071	3,876	Substance abuse	682	705
1st - 6th grade	69	52	Mental health problem	639	541
7th - 8th grade	83	95	Release from mental institution	40	39
9th - 11th grade	692	683	Family	1,086	1,092
High school graduate	1,765	1,663	Domestic violence	301	401
General education diploma	242	232	Other family conflict	785	691
Some college	980	910	Other	818	831
College graduate	141	133	Release from prison	189	206
Some post graduate school	13	20	Release from hospital	108	101
Post graduate degree	25	30	Transient	111	125
Unknown	61	58	Crime victim	59	76
			Military discharge	70	79
Number of families with children under 18,	782	858	Prefer homeless lifestyle	48	37
families with			Natural disaster	12	6
1 child	320	324	Other	192	164
2 children	211	261	Unknown	29	37
3 children	148	150	Unknown	29	37
4 children	66	86			
5 or more children	37	37			

1/ Adults only.

2/ Multiple responses were allowed.

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 publicassistance and/or generosity of relative and friends are withdrawn, there is a strong liklihood 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 2002

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
2002	66,043	30,330	7,905,453	568,804	1,523	5,754,832

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-- 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 11.20-- UNEMPLOYMENT INSURANCE: 1987 TO 2002

[Covering private industry, Federal, State and County governments and nonprofit organizations]

Calendar year	Covered employ-ment	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	556,447	11,884	42	601.21	150,142	282.46	12.8
2002	(NA)	12,304	50	(NA)	164,500	279.64	19.2

NA Not available.

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

Table 11.21-- CHILD DAY CARE SERVICES WITH PAYROLL, BY FEDERAL INCOME TAX STATUS AND BROAD GEOGRAPHIC AREA: 1992, 1997, 2000 and 2001

[Excludes most government employees and self-employed persons, and child day care services without payroll subject to Federal income tax]

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	
2001 2/						
State total	195		(NA)		1,769	
Oahu	130		(NA)		1,351	
Neighbor Islands	65		(NA)		418	

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; U.S. Census Bureau, County Business Patterns Hawaii: 2001, CBP/01-13 (April 2003), tables 2 and 6 <http://www.census.gov/prod/2003pubs/01cbp/cbp01-13.pdf> accessed May 15, 2003.

Table 11.22-- LICENSED CHILD CARE CENTERS AND LICENSED FAMILY CHILD CARE PROVIDERS: 1998, 2000 AND 2001

[Centers as of February, providers as of August]

Subject	1998	2000	2001
Licensed child care centers	494	500	500
Licensed family child care providers	500	501	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), 2001 (table 558), and 2002 (table 551).

Table 11.23-- REPORTING PUBLIC CHARITIES IN HAWAII, BY TYPE: CIRCA 1999

[Dollar amounts in millions]

Type	Number of organizations 1/	Expenses 2/	Assets 3/	Public support 4/	Total revenue 5/
Total	1,222	3,077.0	5,217.3	638.3	4,198.2
Operating public charities	1,119	2,645.5	3,983.1	570.3	3,415.5
Arts, culture, humanities	178	116.7	380.3	56.4	129.0
Educational institutions	194	468.3	745.7	135.2	1,190.5
Environmental quality, protection	34	12.5	56.4	16.1	21.2
Animal related	14	8.6	16.8	4.8	10.1
Health - general, rehabilitative	86	1,583.3	1,948.1	101.4	1,579.6
Mental health, crisis intervention	33	36.4	27.8	24.3	37.7
Disease, disorders, medical disciplines	21	37.3	21.5	5.0	36.0
Medical research	14	3.9	5.9	2.2	4.3
Crime, legal related	19	7.9	6.9	7.5	8.7
Employment, job related	9	10.9	7.9	3.3	11.7
Food, agriculture, nutrition	10	16.6	7.3	16.0	16.8
Housing, shelter	58	29.3	220.6	16.2	36.4
Public safety, disaster relief	5	0.5	0.4	0.4	0.5
Recreation, sports, leisure, athletics	57	7.7	5.8	4.0	8.7
Youth development	43	17.9	25.7	12.9	20.0

continued on next page

Table 11.23-- REPORTING PUBLIC CHARITIES IN HAWAII, BY TYPE: CIRCA 1999 -- Con.

[Dollar amounts in millions]

Type	Number of organizations 1/	Expenses 2/	Assets 3/	Public support 4/	Total revenue 5/
Human services - multipurpose	143	196.8	265.3	102.6	205.7
International, foreign affairs	14	23.9	34.9	21.1	25.2
Civil rights, social action, advocacy	11	3.2	4.0	3.7	4.0
Community improvement	42	23.3	83.9	10.7	24.5
Philanthropy, grantmaking	1	0.0	1.3	0.0	0.3
Science and technology research	11	21.1	64.6	13.0	24.8
Social science research	1	0.1	0.1	0.1	0.1
Public, social benefit	13	2.2	1.9	0.3	1.7
Religion related, spiritual development	47	8.4	28.4	5.5	9.0
Unknown/unclassified	61	8.9	21.5	7.7	9.3
Supporting public charities	99	417.5	1,200.4	67.1	767.9
Mutual, membership benefit organizations	4	14.0	33.8	0.9	14.7

1/ Reporting public charities 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, 2000* (returns received in that calendar year) as adjusted by the National Center for Charitable Statistics (NCCS). Prepared by the NCCS in June of 2001 <http://www.nccs.urban.org/stcover/stc_HI.htm> accessed August 1, 2003.

Table 11.24-- QUALITY OF LIFE INDEX RANKINGS, FOR THE STATE AND THE HONOLULU METROPOLITAN STATISTICAL AREA (MSA): 1993 TO 2002

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
Morgan Quitno, 2002	50	43
Honolulu MSA:		
Money, 1993	300	124
Money, 1994	300	155
Money, 1995	300	102
Money, 1996	300	88
Money, 1997	300	167
Money, 1998 2/	23	16
Money, 2000	100	45
Money, 2001	100	45
Money, 2002	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 the years 2000 to 2002, 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://money.cnn.com/best/bplive/details/HONOL_HI.html> accessed July 28, 2003.

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: 2002.*

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: 2000

Subject	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
Population 16 years and over						
Male	473,542	56,763	344,979	88	22,264	49,448
Worked in 1999	348,658	38,740	255,991	44	15,974	37,909
Usually worked 35 or more hours per week	289,970	30,952	214,602	29	12,910	31,477
50 to 52 weeks	218,200	21,933	164,633	14	9,165	22,455
Female	476,513	57,884	346,036	59	22,656	49,878
Worked in 1999	303,417	36,365	218,804	29	14,532	33,687
Usually worked 35 or more hours per week	217,763	24,340	159,076	15	10,025	24,307
50 to 52 weeks	158,241	17,118	117,075	15	7,177	16,856
Females 16 years and over with own children under 18 years, under 6 years only	33,927	3,437	25,589	-	1,375	3,526
In labor force	21,614	2,229	15,988	-	962	2,435
Employed or in Armed Forces	19,960	2,039	14,720	-	883	2,318
Own children under 18 years in families and subfamilies	271,881	35,528	192,025	-	14,413	29,915
Under 6 years	86,956	10,089	63,495	-	4,170	9,202
Living with two parents, both parents in labor force	35,588	3,846	26,170	-	1,757	3,815

Source: U.S. Census Bureau, Census 2000 Summary File 3 Hawaii (September 25, 2002) <http://factfinder.census.gov/servlet/BasicFactsServlet> accessed August 11, 2003.

Table 12.03-- SELECTED LABOR FORCE AND COMMUTING CHARACTERISTICS, BY GEOGRAPHIC AREA: 2000

Subject	State total	Oahu	Other islands
EMPLOYMENT STATUS			
Population 16 years and over	950,055	691,015	259,040
In labor force	612,831	447,320	165,511
Civilian labor force	573,795	408,638	165,157
Employed	537,909	383,148	154,761
Unemployed	35,886	25,490	10,396
Percent of civilian labor force	6.3	6.2	6.3
Armed forces	39,036	38,682	354
Not in labor force	337,224	243,695	93,529
Females 16 years and over	476,513	346,036	130,477
In labor force	281,654	203,289	78,365
Civilian labor force	276,986	198,679	78,307
Employed	261,426	187,607	73,819
Own children under 6 years	86,956	63,495	23,461
All parents in family in labor force	53,711	38,528	15,183
COMMUTING TO WORK			
Workers 16 years and over	563,154	412,250	150,904
Car, truck, or van - drove alone	359,916	253,231	106,685
Car, truck or van - carpooled	107,191	80,009	27,182
Public transportation (including taxicab)	35,368	34,250	1,118
Walked	27,134	23,022	4,112
Other means	13,349	9,832	3,517
Worked at home	20,196	11,906	8,290
Mean travel time to work (minutes)	26.1	27.3	(NA)

NA Not available.
Source: U.S. Census Bureau, Census 2000, table DP-3.

Table 12.04-- LABOR FORCE STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL AVERAGES, 2000

[Numbers in thousands]

Population group	Persons 16 years and over			16 to 19 years (both sexes)
	Both sexes	Men	Women	
Civilian noninstitutional population	889	426	463	60
Civilian labor force	595	306	290	24
Percent of population	67.0	71.7	62.6	40.7
Employment	570	291	279	20
Percent of population	64.1	68.2	60.3	34.0
Unemployment	26	15	11	4
Rate 1/	4.3	4.9	3.7	16.5
Error range of rate 2/	3.7-4.9	4.0-5.7	2.9-4.5	11.4-21.5
Not in civilian labor force	294	120	173	36

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*, *2000* (Bulletin 2550, June 2002), table 12; 'Not in civilian labor force' was calculated by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.05-- LABOR FORCE STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS AND OVER: ANNUAL AVERAGES, 2001

[Numbers in thousands]

Population group	Persons 16 years and over			16 to 19 years (both sexes)
	Both sexes	Men	Women	
Civilian noninstitutional population	893	432	461	61
Civilian labor force	606	315	291	28
Percent of population	67.8	72.9	63.1	45.6
Employment	577	300	278	24
Percent of population	64.7	69.3	60.3	38.5
Unemployment	28	15	13	4
Rate 1/	4.6	4.9	4.4	15.6
Error range of rate 2/	4.1-5.1	4.1-5.7	3.7-5.1	11.6-19.6
Not in civilian labor force	287	117	170	33

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*, *2001* (Bulletin 2556, April 2003), table 12; 'Not in civilian labor force' was calculated by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.06-- CIVILIAN LABOR FORCE, TOTAL AND FEMALE, AND UNEMPLOYMENT RATE, BY RACE AND HISPANIC ORIGIN: 2002

Race or origin 1/			Unemployed (percent)	
	Both sexes	Female	Both sexes	Female
All races	582,200	281,550	4.2	3.8
One race				
White	149,150	68,250	4.0	3.8
Black or African American	6,750	2,700	6.2	7.3
American Indian and Alaska Native	1,400	650	9.9	12.1
Asian	260,250	131,200	2.8	2.3
Native Hawaiian and other Pacific Islander	49,250	23,300	8.2	7.3
Some other race	6,100	2,700	6.3	6.8
Two or more races	109,250	52,650	5.9	5.5
Minority group 2/	433,050	213,300	4.3	3.8
Hispanic or Latino	34,800	17,150	7.3	6.9

1/ Based on census definitions. Persons of mixed race are classified by self-identification.
2/ All races except White.
Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office.

Table 12.07-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE: ANNUAL AVERAGES, 1980 TO 2002

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	1/ 591,400	1/ 566,150	1/ 25,250	4.3
2001	1/ 591,350	1/ 564,200	1/ 27,150	4.6
2002 2/	582,200	557,450	24,750	4.2

1/ Revised.
2/ Preliminary.
Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) <http://www.hawaii.gov/dlir/rs/loihi/LFR/LAUS.HTM> accessed June 27, 2003.

Table 12.08-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE, FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1991 TO 2002

Year	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui			
				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	66,650	3,000
2000	1/ 421,200	1/ 69,600	1/ 29,150	1/ 71,400	1/ 1,800	1/ 66,700	2,900
2001 1/	419,000	70,700	28,950	72,700	1,800	68,350	2,550
2002 2/	412,100	70,200	28,400	71,500	1,700	67,450	2,350
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	63,100	2,550
2000 1/	405,450	65,000	27,250	68,400	1,750	64,200	2,450
2001 1/	402,050	65,950	26,900	69,300	1,750	65,350	2,200
2002 2/	396,050	66,150	26,850	68,350	1,650	64,550	2,150

Continued on next page.

Table 12.08-- EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE, FOR COUNTIES AND ISLANDS: ANNUAL AVERAGES, 1991 TO 2002 -- Con.

Year	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui			
				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	1/ 15,750	1/ 4,600	1,900	1/ 3,000	50	2,550	450
2001	1/ 16,950	1/ 4,800	1/ 2,050	1/ 3,400	100	1/ 2,950	350
2002 2/	16,000	4,000	1,550	3,150	100	2,900	200
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	14.4
2000 1/	1/ 3.7	1/ 6.6	6.5	4.2	3.4	3.8	1/ 14.8
2001 1/	1/ 4.0	6.8	7.0	1/ 4.7	4.5	1/ 4.3	1/ 13.9
2002 2/	3.9	5.7	5.4	4.4	4.7	3.7	8.6

1/ Revised.
2/ Preliminary.
Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) <http://www.hawaii.gov/dlir/rs/loihi/LFR/LAUS.HTM> accessed June 27, 2003.

Table 12.09-- CHARACTERISTICS OF THE INSURED UNEMPLOYED: ANNUAL AVERAGES, 2001

[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 1/	Characteristic	Percent
Total	100.0	Occupation:	
		Management	4.8
Age:		Business/Fin	1.0
Under 22 years	2.3	Computer/Math	0.9
22 to 24 years	4.7	Architec/Engr	0.6
25 to 34 years	23.5	Life/Phys/SocSci	0.4
35 to 44 years	28.0	Community/SocSvc	0.8
45 to 54 years	25.7	Legal	0.4
55 to 64 years	13.1	Ed/Train/Libr	2.2
65 years and over	2.8	Arts/Entertain/Sports	2.7
		HealthcarePractice	1.1
Sex:		HealthcareSupport	0.7
Male	59.4	ProtectiveSvc	0.9
Female	40.6	Food Prep/Svc	8.8
		Bldg/Grnd-Mntc	4.6
Industry:		Pers-Care-Svc	3.7
Government	6.4	Sales-Related	7.0
Agriculture	4.7	Ofc/Admin-Support	13.2
Construction	21.2	Farm/Fish/Forestry	2.5
Manufacturing	4.1	Construction/Extrct	18.5
Trans., commun., util.	9.6	InstalRepair	3.2
Wholesale, retail trade	16.7	Production	5.4
Finance	3.5	Trans/Moving	5.4
Services	29.2	Info. Not available	11.1
Hotel	10.6		
Others	4.6	Duration:	
		1 to 4 weeks	43.0
		5 to 14 weeks	37.9
		15 weeks and over	19.1

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 2001-2002* .

Table 12.10-- CHARACTERISTICS OF THE INSURED UNEMPLOYED: ANNUAL AVERAGES, 2002

[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 1/	Characteristic	Percent
Total	100.0	Occupation:	
		Management	6.6
Age:		Business/Fin	1.6
Under 22 years	2.2	Computer/Math	1.1
22 to 24 years	4.6	Architec/Engr	0.4
25 to 34 years	23.5	Life/Phys/SocSci	0.6
35 to 44 years	27.2	Community/SocSvc	1.2
45 to 54 years	24.9	Legal	0.3
55 to 64 years	13.8	Ed/Train/Libr	1.9
65 years and over	3.7	Arts/Entertain/Sports	1.7
		HealthcarePractice	0.8
Sex:		HealthcareSupport	1.5
Male	56.4	ProtectiveSvc	1.4
Female	43.6	Food Prep/Svc	8.8
		Bldg/Grnd-Mntc	4.0
Industry:		Pers-Care-Svc	3.4
Government	4.4	Sales-Related	9.8
Agriculture	3.5	Ofc/Admin-Support	14.3
Construction	17.2	Farm/Fish/Forestry	2.8
Manufacturing	1.8	Construction/Extrct	11.5
Wholesale	2.2	InstalRepair	2.4
Retail Trades	6.0	Production	2.4
Transp/Warehsg	6.6	Trans/Moving	4.7
Information	2.6	Info. Not available	16.6
Finance/Insurance	1.6		
Real Estate/Rental	1.9	Duration:	
Prt/Sci/Tech.	3.1	1 to 4 weeks	34.2
Admin-Waste-Mgmt	9.2	5 to 14 weeks	35.8
Health/Social	5.2	15 weeks and over	30.1
Arts/Entertainment	1.6		
Accommodation/Food	13.5		
Other-Services	2.8		
Info. Not available	16.8		

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 2001-2002* .

Table 12.11-- WAGE AND SALARY JOBCOUNT: ANNUAL AVERAGES, 1980 TO 2002

[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/ 559,250	414,250	55,950	26,450	62,450
2001	2/ 562,350	2/ 414,750	2/ 57,350	2/ 26,300	2/ 63,950
2002 1/	562,600	413,800	58,250	26,650	63,950

1/ Preliminary.
2/ Revised.
Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) <http://www.hawaii.gov/dlir/rs/loihi/LFR/CES1.HTM> accessed March 31, 2003. Hawaii State Department of Business, Economic Development and Tourism combined the non-agriculture and agriculture wage and salary jobs.

Table 12.12-- JOBCOUNT, BY INDUSTRY: ANNUAL AVERAGES, 2000 TO 2002

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

Industry	2000	2001	2002 1/
Nonagriculture, wage & salary	551,400	554,950	555,400
Natural resources, mining, construction	24,800	24,700	25,700
Manufacturing	16,400	16,400	15,250
Durable goods	4,200	4,400	4,050
Non-durable goods	12,300	12,000	11,150
Trade, transportation & utilities	110,800	110,950	106,550
Wholesale trade	16,200	16,450	16,250
Retail trade	66,300	66,100	64,050
Transportation, warehousing & utilities	28,200	28,400	26,300
Utilities	2,700	2,700	2,700
Transportation & warehousing	25,500	25,700	23,600
Air Transportation	10,600	10,550	9,750
Information	12,300	11,850	11,600
Telecommunications	5,200	4,950	4,500
Financial activities	29,500	28,050	27,600
Fianance & insurance	17,000	15,850	15,800
Real estate, rental, leasing	12,500	12,200	11,800
Professional & business services	61,500	63,950	66,650
Education & health services	59,900	61,800	63,100
Education services	11,200	11,650	12,000
Health care & social assistance	48,700	50,100	51,100
Ambulatory health care services	19,100	19,650	20,750
Hospitals	13,300	13,100	12,600
Nursing & residential care facilities	5,400	5,650	5,900
Social assistance	10,900	11,750	11,850
Leisure and hospitality	99,600	99,200	97,300
Arts, entertainment & recreation	10,800	11,100	10,950
Accommodation & food services	88,800	88,100	86,350
Food services and drinking places	50,500	50,200	50,100
Full-service restaurants	25,600	25,500	25,700
Government	114,600	114,450	118,000
Federal	31,000	30,100	30,700
Department of defense	15,500	15,650	15,850
Naval Shipyard	(NA)	4,700	5,100
State	66,900	67,300	70,150
Education (DOE & UH)	43,200	44,000	46,200
Local	16,700	17,100	17,150
Agriculture	7,850	7,400	7,200

NA Not available.

1/ Preliminary.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) <http://www.hawaii.gov/dlir//rs/loihi/LFR/CES1.HTM> accessed March 31, 2003.

Table 12.13-- 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, administative, 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 12.14-- JOBCOUNT BY INDUSTRY, BY COUNTIES: ANNUAL AVERAGES, 2001

[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 & salary	554,950	412,450	54,700	25,650	62,150
Nat. resources, mining, construction	24,700	17,000	3,500	1,050	3,150
Manufacturing	16,400	12,800	1,550	400	1,700
Durable goods	4,400	3,700	300	100	350
Non-durable goods	12,000	9,050	1,250	350	1,350
Trade, transportation & utilities	110,950	80,900	11,550	5,600	12,900
Wholesale trade	16,450	13,550	1,350	400	1,150
Retail trade	66,100	45,600	7,900	3,800	8,800
Transport., warehousing & utilities	28,400	21,700	2,300	1,400	3,000
Information	11,850	9,950	650	350	900
Telecommunications	4,950	4,200	250	100	400
Financial activities	28,050	21,850	2,300	1,250	2,650
Finance & insurance	15,850	13,800	900	400	750
Professional & business services	63,950	52,450	4,150	2,350	5,050
Education & health services	61,800	49,100	6,000	2,150	4,500
Education services	11,650	10,250	600	200	600
Health care & social assistance	50,100	38,850	5,400	2,000	3,900
Leisure & hospitality	99,200	58,400	12,450	7,650	20,700
Arts, entertainment & recreation	11,100	7,000	1,200	850	2,050
Accommodation & food services	88,100	51,400	11,250	6,850	18,600
Government	114,450	91,250	11,000	4,100	8,100
Federal	30,100	28,150	1,000	400	550
State	67,300	51,400	7,750	2,650	5,450
Education (DOE & UH)	44,000	34,900	4,500	1,600	3,000
Local	17,100	11,650	2,250	1,100	2,100
Agriculture, wage & salary	7,400	2,300	2,650	650	1,800

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) <www.hawaii.gov/dlir/rs/loihi/LFR/CES1.HTM> accessed March 31, 2003.

Table 12.15-- JOBCOUNT BY INDUSTRY, BY COUNTIES: ANNUAL AVERAGES, 2002 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 & salary	555,400	411,800	55,850	25,900	61,900
Nat. resources, mining, construction	25,700	17,500	3,850	1,200	3,100
Manufacturing	15,250	11,750	1,400	400	1,650
Durable goods	4,050	3,350	300	100	300
Non-durable goods	11,150	8,400	1,150	300	1,350
Trade, transportation & utilities	106,550	76,450	11,750	5,600	12,800
Wholesale trade	16,250	13,400	1,350	400	1,100
Retail trade	64,050	43,550	7,950	3,750	8,750
Transport., warehousing & utilities	26,300	19,500	2,400	1,450	2,950
Information	11,600	9,550	650	450	950
Telecommunications	4,500	3,700	300	100	400
Financial activities	27,600	21,500	2,300	1,200	2,600
Finance & insurance	15,800	13,700	950	400	800
Professional & business services	66,650	54,850	4,400	2,450	4,900
Education & health services	63,100	49,950	6,200	2,200	4,750
Education services	12,000	10,500	650	150	700
Health care & social assistance	51,100	39,450	5,550	2,000	4,050
Leisure & hospitality	97,300	57,350	12,400	7,500	20,050
Arts, entertainment & recreation	10,950	6,900	1,300	850	1,900
Accommodation & food services	86,350	50,450	11,100	6,650	18,150
Government	118,000	93,950	11,350	4,200	8,500
Federal	30,700	28,600	1,100	400	600
State	70,150	53,700	8,050	2,700	5,700
Education (DOE & UH)	46,200	36,700	4,700	1,600	3,200
Local	17,150	11,650	2,250	1,100	2,150
Agriculture, wage & salary	7,200	2,000	2,400	750	2,050

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Data Book* (annual) <www.hawaii.gov/dlir/rs/loihi/LFR/CES1.HTM> accessed March 31, 2003.

Table 12.16-- 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 12.17-- 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 12.18-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME, WAGE AND SALARY, AND SELF EMPLOYED: 1969 TO 2001

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	490,147	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	685,350	569,150	116,200	17.0
1994	682,559	564,731	117,828	17.3
1995	683,030	560,679	122,351	17.9
1996	684,424	558,883	125,541	18.3
1997	685,733	559,047	126,686	18.5
1998	1/ 688,516	1/ 559,034	129,482	18.8
1999	1/ 689,179	1/ 562,006	1/ 127,173	1/ 18.5
2000	1/ 711,391	1/ 578,956	1/ 132,435	1/ 18.6
2001	717,473	582,029	135,444	18.9

1/ Revised.

Source: U.S. Bureau of Economic Analysis, Regional Economic Information System, *State & Local Personal Income, Hawaii: Annual Est. 1929-2001, Hawaii SA25* , extracted Sep. 9, 2003

Table 12.19-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME: ANNUAL AVERAGES, 2000

[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	570	456	19	114	19	88	7
Men	291	245	8	46	11	33	2
Women	279	211	11	68	9	55	5
16 to 19 years (both sexes)	20	4	1/	16	1	14	1

1/ Less than 500 persons.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 2000* (Bulletin 2550, June 2002), table 13; 'Full-and part-time' was calculated by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.20-- CIVILIAN EMPLOYMENT, FULL- AND PART-TIME: ANNUAL AVERAGES, 2001

[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	578	468	19	110	19	83	8
Men	300	257	8	43	8	33	3
Women	278	211	11	67	11	50	5
16 to 19 years (both sexes)	10	8	16	2	13	1	4

1/ Less than 500 persons.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 2001* (Bulletin 2556, April 2003), table 13; 'Full-and part-time' was calculated by Hawaii State Department of Business, Economic Development & Tourism.

Table 12.21-- OCCUPATION OF EMPLOYED CIVILIANS IN PERCENT, BY SEX: ANNUAL AVERAGES, 2000

Occupation	Both sexes	Men	Women
All occupations (number employed in thousands)	570	291	279
Percent	100.0	100.0	100.0
Managerial and professional specialty			
Executive, administrative, and managerial	13.3	13.4	13.3
Professional specialty	13.2	11.3	15.1
Technical, sales, and administrative support			
Technicians and related support	2.8	2.7	2.9
Sales	14.7	12.4	17.2
Administrative support, including clerical	14.9	6.5	23.7
Service occupations	20.2	18.9	21.5
Precision production, craft, and repair	8.1	14.8	1.1
Operators, fabricators, and laborers			
Machine operators, assemblers, and inspectors	2.3	2.7	1.4
Transportation and material moving	3.5	6.5	0.4
Handlers, equipment cleaners, helpers, and laborers	3.2	5.2	1.1
Farming, forestry, and fishing	4.0	5.8	1.8

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, *2000* (Bulletin 2550, June 2002), table 15.

Table 12.22-- OCCUPATION OF EMPLOYED CIVILIANS IN PERCENT, BY SEX: ANNUAL AVERAGES, 2001

Occupation	Both sexes	Men	Women
All occupations (number employed in thousands)	577	300	278
Percent	100.0	100.0	100.0
Managerial and professional specialty			
Executive, administrative, and managerial	14.7	15.2	14.3
Professional specialty	13.9	12.0	16.0
Technical, sales, and administrative support			
Technicians and related support	2.8	2.8	2.9
Sales	13.1	10.2	16.3
Administrative support, including clerical	14.0	5.5	23.2
Service occupations	20.1	19.8	20.5
Precision production, craft, and repair	9.8	17.4	1.7
Operators, fabricators, and laborers			
Machine operators, assemblers, and inspectors	1.9	2.1	1.7
Transportation and material moving	3.3	6.0	0.4
Handlers, equipment cleaners, helpers, and laborers	3.1	4.4	1.6
Farming, forestry, and fishing	3.1	4.8	1.4

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, *2001* (Bulletin 2556, April 2003), table 15.

Table 12.23-- MULTIPLE JOBHOLDERS, NUMBERS AND PERCENT OF EMPLOYED: ANNUAL AVERAGES FOR 1998 TO 2002

Subject	1998	1999	2000	2001	2002
Employed, 16 years and over	557,200	559,600	1/ 566,100	1/ 564,200	557,500
Multiple jobholders	49,000	54,800	1/ 52,600	1/ 55,300	(NA)
Percent of employed	8.8	9.8	9.3	1/ 9.8	(NA)
Rank (50 States and D.C.) 2/	9	4	4	1/ 3	(NA)
U.S.: percent multiple jobholders	6.0	5.8	5.6	5.4	(NA)

NA Not available.
1/ Revised.
2/ 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 12.24-- WORKERS 16 YEARS AND OVER, BY PLACE OF RESIDENCE AND PLACE OF WORK: APRIL 1, 2000

[Place of work is one of the counties in the State of Hawaii]

Place of residence	Place of work				
	Total	City and County of Honolulu	Hawaii County	Kauai County	Maui County 1/
Total	562,982	411,890	63,233	26,138	61,721
State of Hawaii:	559,548	409,125	62,937	26,077	61,409
City and County of Honolulu	409,348	407,722	734	192	700
Hawaii County	63,103	761	62,122	22	198
Kauai County	26,116	259	33	25,739	85
Maui County 1/	60,981	383	48	124	60,426
U.S. states (excluding Hawaii)	3,434	2,765	296	61	312
Other	-	-	-	-	-

1/ Includes Kalawao County.

Source: U.S. Census Bureau, <http://www.census.gov/population/www/cen2000/commuting.html> "Residence County to Workplace County Flows for Hawaii Sorted by Workplace State and County", accessed March 7, 2003.

Table 12.25-- EMPLOYMENT AND WAGES OF WORKERS COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES: 1991 TO 2001

Year	Number of reporting units, December 1/	Average employment	Total wages ($1,000)	Average annual wage (dollars)
INCLUDING GOVERNMENT				
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
2001	34,294	557,041	17,402,683	31,241
EXCLUDING GOVERNMENT				
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
2001	34,288	446,032	13,292,645	29,802
PRIVATE NON-AGRICULTURAL				
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
2001	33,838	438,283	13,105,583	29,902

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. Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual) and records.

Table 12.26-- EMPLOYMENT AND WAGES OF WORKERS COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, BY COUNTIES: 2001

County	Number of reporting units, December 1/	Average employment	Total wages ($1,000)	Average annual wage (dollars)
INCLUDING GOVERNMENT				
State total	34,294	557,041	17,402,683	31,241
City and County of Honolulu	23,753	410,275	13,348,018	32,534
Hawaii County	4,232	56,415	1,543,214	27,355
Kauai County	1,971	26,491	711,112	26,844
Maui County	4,344	63,859	1,800,339	28,192
EXCLUDING GOVERNMENT				
State total	34,288	446,032	13,292,645	29,802
City and County of Honolulu	23,750	322,049	10,048,443	31,202
Hawaii County	4,229	45,735	1,162,811	25,425
Kauai County	1,968	22,392	564,963	25,231
Maui County	4,341	55,857	1,516,428	27,148

1/ Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Labor and Industrial Relations, 2001 *Employment and Payrolls in Hawaii* (October 2002).

Table 12.27-- EMPLOYMENT AND WAGES OF WORKERS COVERED BY THE HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, BY INDUSTRY: 2001

NAICS code 1/	Industry	Number of reporting units, December 2/	Average employment	Total wages ($1,000)	Average annual wage (dollars)
	Total including government	34,294	557,041	17,402,683	31,241
	Government	6	111,009	4,110,038	37,024
	Federal	1	30,091	1,416,924	47,088
	State	1	63,831	2,026,122	31,742
	County	4	17,088	666,991	39,033
	Private	34,288	446,032	13,292,645	29,802
11	Agriculture, forestry, fishing and hunting	450	7,749	187,062	24,140
21	Mining	15	245	14,198	57,952
22	Utilities	69	2,668	175,730	65,866
23	Construction	2,960	24,483	1,152,872	47,089
31-33	Manufacturing	1,144	16,459	494,360	30,036
311	Food manufacturing	317	6,832	160,239	23,454
42	Wholesale trade	2,083	16,391	623,714	38,052
44-45	Retail trade	5,001	66,357	1,457,753	21,968
48-49	Transportation and warehousing	921	25,593	922,232	36,035
51	Information	663	11,859	512,909	43,251
52	Finance and insurance	1,415	15,832	735,903	46,482
53	Real estate and rental and leasing	1,878	12,348	376,805	30,515
61	Educational services	528	10,474	302,542	28,885
621	Ambulatory health care services	2,459	19,523	894,620	45,824
622	Hospitals	22	13,264	507,171	38,237
623	Nursing and residential care facilities	117	5,519	128,920	23,359
624	Social assistance	621	11,419	212,116	18,576
72	Accommodation and food services	3,264	87,951	1,755,829	19,964

1/ North American Industry Classification System.

2/ Nonprofit employers and employers with zero employment are included.

Source: Hawaii State Department of Labor and Industrial Relations, 2001 *Employment and Payrolls in Hawaii* (October 2002).

Table 12.28-- 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 2001

[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
1985	17,335	16,231	2001	31,241	17,512

1/ Deflated by the all-items consumer price index (CPI-U) for Honolulu.

Source: 'Current dollars' from the Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual); '1982-1984 dollars' computed by the Hawaii State Department of Business, Economic Development & Tourism, based on the CPI-U reported by the U.S. Bureau of Labor Statistics, Consumer Price Index - All Urban Consumers [CPI-U] Honolulu.

Table 12.29-- 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: 1991 AND 2001

Class of worker	1991: current dollars	2001		Percent change, 1991-2001	
		Current dollars	Deflated to 1991 current dollars 1/	Current dollars	1991 dollars 2/
All classes	24,116	31,241	25,918	29.5	7.5
Federal	29,485	47,088	39,064	59.7	32.5
State	26,815	31,742	26,333	18.4	-1.8
County	30,034	39,033	32,382	30.0	7.8
Private	23,179	29,802	24,724	28.6	6.7

1/ The all-items consumer price index (CPI-U) for Honolulu increased 20.5 percent from 1991 to 2001.

2/ Percent change from 1991 current dollars to 2001 current dollars that were deflated to 1991 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 the U.S. Bureau of Labor Statistics, Consumer Price Index - All Urban Consumers [CPI-U] Honolulu.

Table 12.30-- NONGOVERNMENTAL REPORTING UNITS AND EMPLOYMENT, BY SIZE OF FIRM: DECEMBER 2001

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	34,288	19,918	6,163	3,994	2,665	891	657
Employment	440,572	30,448	40,662	53,632	80,174	60,616	175,040

Source: Hawaii State Department of Labor and Industrial Relations, *2001 Employment and Payrolls in Hawaii* (October 2002).

Table 12.31-- ANNUAL WAGES PER EMPLOYEE, TOTAL AND PRIVATE INDUSTRY: 1990 TO 2001

[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	3/ 26	3/ 31
2000	30,630	29,181	86.8	82.7	4/ 29	4/ 32
2001 5/	31,250	29,813	86.3	82.5	4/ 31	4/ 33

1/ From highest to lowest annual wages.
2/ Among 50 States and D.C..
3/ Among 49 States and D.C., no data available for New Jersey.
4/ Among 50 States, D.C., Puerto Rico and Virgin Islands.
5/ 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 5 and 10; calculations by Hawai State Department of Business Economic Development & Tourism.

Table 12.32-- HOURS AND EARNINGS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGES, 2001 AND 2002

Subject	2001	2002
Production workers		
Natural resources, mining and construction	18,200	19,250
Manufacturing	11,550	10,350
Trade, transportation and utilities	92,450	88,150
Wholesale trade	13,550	13,050
Retail trade	56,550	54,850
Information	8,900	8,400
Financial activities	18,700	19,100
Accommodation	34,250	32,550
Food services and drinking places	43,650	44,000
Average weekly earnings (dollars)		
Natural resources, mining and construction	986.65	1,026.26
Manufacturing	474.48	465.29
Trade, transportation and utilities	403.50	418.60
Wholesale trade	473.50	492.55
Retail trade	329.06	335.38
Information	702.37	676.01
Financial activities	531.18	529.97
Accommodation	432.54	447.90
Food services and drinking places	195.07	195.80
Average weekly hours		
Natural resources, mining and construction	35.8	37.4
Manufacturing	36.0	35.6
Trade, transportation and utilities	32.1	32.2
Wholesale trade	35.1	35.9
Retail trade	30.3	30.6
Information	37.4	34.9
Financial activities	34.9	33.5
Accommodation	32.4	32.2
Food services and drinking places	25.4	25.2

Continued on next page.

Table 12.32-- HOURS AND EARNINGS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGES, 2001 AND 2002 - Con.

Subject	2001	2002
Average hourly earnings (dollars)		
Natural resources, mining and construction	27.56	27.44
Manufacturing	13.18	13.07
Trade, transportation and utilities	12.57	13.00
Wholesale trade	13.49	13.72
Retail trade	10.86	10.96
Information	18.78	19.37
Financial activities	15.22	15.82
Accommodation	13.35	13.91
Food services and drinking places	7.68	7.77

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 September 4, 2003.

Table 12.33-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY: 1999 TO 2002

[In dollars]

Job classification 1/	1999	2000	2001	2002
Clerk, entry level	2/ 9.74	2/ 9.98	10.27	9.97
Cashier	2/ 12.75	2/ 13.33	13.39	13.63
Secretary	2/ 13.93	2/ 14.76	14.46	14.70
Switchboard operator	2/ 12.22	2/ 11.73	13.00	13.31
Bookkeeper, full-charge	2/ 15.19	2/ 16.03	17.38	17.20
Engineering drafting technician	2/ 19.53	2/ 18.92	21.41	24.63
Housekeeper	11.54	11.53	11.79	12.11
Cook, general	15.00	14.59	14.84	15.20
Wait help	5.93	6.02	6.20	6.38
Laborer, light	9.46	9.30	11.21	12.23
Carpenter, maintenance	20.20	18.39	18.60	17.90
Electrician, maintenance	22.90	21.56	21.50	22.76
Automotive mechanic	16.78	18.21	18.56	18.02
Truck driver (trailer)	14.17	13.56	14.64	16.67

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 12.34-- AVERAGE HOURLY PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY, BY COUNTIES: 2002

[In dollars. Pay rates reported were effective for the period July 1-31, 2002]

Job classification 1/	State	County of Kauai	City and county of Honolulu	County of Maui	County of Hawaii
Clerk, entry level	9.97	…	9.89	…	7.78
Cashier	13.63	…	14.17	…	12.89
Secretary	14.70	…	14.77	14.76	12.43
Switchboard operator	13.31	…	13.51	12.84	…
Bookkeeper, full-charge	17.20	…	17.13	17.61	16.78
Engineering drafting technician	24.63	…	…	…	…
Housekeeper	12.11	…	12.32	11.43	10.56
Cook, general	15.20	…	15.62	15.99	11.52
Wait help	6.38	…	6.49	6.12	…
Laborer, light	12.23	…	13.13	…	6.68
Carpenter, maintenance	17.90	…	17.76	…	…
Electrician, maintenance	22.76	…	23.35	…	…
Automotive mechanic	18.02	…	18.35	18.40	16.22
Truck driver (trailer)	16.67	…	17.51	13.74	14.34

… 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 3951, October 2002).

Table 12.35-- WAGES OF HAWAII'S 25 LARGEST OCCUPATIONS: 2001

[In descending order by employment]

SOC Code	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 1/
41-2031	Retail salespersons	22,570	9.85	20,490
35-3021	Combined food preparation and serving workers, including fast food	21,260	6.85	14,240
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	12,960	9.18	19,100
35-3031	Waiters and waitresses	12,480	9.52	19,810
43-9061	Office clerks, general	12,090	11.27	23,450
41-2011	Cashiers	11,710	9.13	19,000
37-2012	Maids and housekeeping cleaners	10,350	11.16	23,210
29-1111	Registered nurses	8,120	27.10	56,370
33-9032	Security guards	7,750	9.98	20,750
25-2021	Elementary school teachers, except special education	7,580	2/	39,190
43-3031	Bookkeeping, accounting, and auditing clerks	7,230	13.36	27,790
11-1021	General and operations managers	6,890	34.87	72,530
43-4051	Customer service representatives	6,670	13.49	28,060
43-5081	Stock clerks and order fillers	6,650	11.19	23,280
37-3011	Landscaping and groundskeeping workers	6,400	11.23	23,370
41-1011	First-line supervisors/managers of retail sales workers	6,000	16.14	33,570
43-1011	First-line supervisors/managers of office and administrative support workers	5,990	19.96	41,510
43-6014	Secretaries,except legal, medical, and executive	5,990	14.60	30,360
49-9042	Maintenance and repair workers, general	5,960	15.46	32,160
43-4181	Reservation and transportation ticket agents and travel clerks	5,520	14.16	29,450
53-7062	Laborers and freight, stock, and material movers, hand	5,260	12.66	26,340
35-2014	Cooks, restaurant	4,710	12.28	25,540
35-2021	Food preparation workers	4,530	10.37	21,580
53-3033	Truck drivers, light or delivery services	4,480	11.30	23,510
35-1012	First-line supervisors/managers of food preparation and serving workers	4,310	14.14	29,400

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, the annual wage has been directly calculated from the reported survey data.

2/ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Source: U.S. Department of Labor, Bureau of Labor Statistics, Occupational Employment Statistics, *2001 State Occupational Employment and Wage Estimates Hawaii* <http://www.bls.gov/oes/2001/oes_hi.htm> accessed February 28, 2003.

Table 12.36-- WAGES OF HONOLULU METROPOLITAN STATISTICAL AREA'S 25 LARGEST OCCUPATIONS: 2001

[In descending order by employment]

SOC Code	Occupation title	Employment	Mean wage in dollars	
			Hourly	Annual 1/
35-3021	Combined food preparation & serving workers including fast food	17,520	6.60	13,720
41-2031	Retail salespersons	16,220	9.80	20,390
37-2011	Janitors & cleaners, except maids & housekeeping cleaners	9,890	8.98	18,680
43-9061	Office clerks, general	9,040	11.27	23,440
41-2011	Cashiers	7,260	9.34	19,430
35-3031	Waiters & waitresses	7,010	9.44	19,630
29-1111	Registered nurses	6,060	27.73	57,670
33-9032	Security guards	5,950	9.78	20,350
25-2021	Elementary school teachers, except special education	5,940	2/	38,920
43-4051	Customer service representatives	5,580	13.46	28,000
37-2012	Maids & housekeeping cleaners	5,540	10.57	21,980
43-3031	Bookkeeping, accounting, & auditing clerks	5,310	13.46	28,000
43-5081	Stock clerks & order fillers	5,020	11.53	22,980
11-1021	General & operations managers	4,940	35.81	74,480
43-6014	Secretaries, except legal, medical & executive	4,650	14.88	30,960
43-1011	First-line supervisors/managers of office & administrative support workers	4,270	20.74	43,140
49-9042	Maintenance & repair workers, general	4,100	15.30	31,820
41-1011	First-line supervisors/managers of retail sales workers	3,980	16.22	33,730
53-7062	Laborers & freight, stock, & material movers, hand	3,930	12.84	26,700
37-3011	Landscaping & groundskeeping workers	3,510	10.80	22,470
53-3033	Truck drivers, light or delivery services	3,370	11.29	23,480
35-2021	Food preparation workers	3,120	10.49	21,830
35-1012	First-line supervisors/managers of food preparation & serving workers	3,110	13.47	28,010
41-4012	Sales representatives, wholesale & manufacturing, except technical & scientific products	3,040	18.73	38,950
43-6011	Executive secretaries & administrative assistants	2,750	18.03	37,000

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, the annual wage has been directly calculated from the reported survey data.

2/ Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Source: U.S. Department of Labor, Bureau of Labor Statistics, Occupational Employment Statistics, *2001 Metropolitan Area Occupational Employment and Wage Estimates Honolulu, HI MSA* <http://www.bls.gov/oes/2001/oes_3320.htm> accessed February 28, 2003.

Table 12.37-- ANNUAL COMPENSATION OF HIGHEST PAID EXECUTIVES OF HAWAII-BASED PUBLIC FIRMS: 1998 TO 2001

Annual compensation 1/	1998	1999	2000	2001
Number of firms	7	7	7	9
Number of executives	17	17	17	25
Less than $249,999	-	-	-	-
$250,000 to $499,999	10	4	3	9
$500,000 to $999,999	6	10	10	12
$1,000,000 to $1,999,999	1	3	4	3
$2,000,000 or more	-	-	-	1
Highest ($1,000)	1,361	1,535	1,611	2,387

1/ Includes salary, bonus, stock awards, payments under the companies' long-term incentive plans, and other compensation.

Source: Pacific Business News, "Highest-paid executives of Hawaii-based public firms", September 13, 2002.

Table 12.38-- 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 12.39-- 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 12.40-- NUMBER OF PERSONS AT WORK BY WEEKLY HOURS OF WORK: ANNUAL AVERAGES, 1997 TO 2001

[In thousands]

Weekly hours at work	1997	1998	1999 1/	2000	2001
Total	528	532	536	544	550
1 to 14 hours	26	25	25	26	28
15 to 29 hours	80	75	77	74	75
30 to 34 hours	49	59	44	39	48
35 to 39 hours	28	28	25	29	31
40 hours	221	217	230	243	235
41 to 48 hours	37	42	45	43	42
49 hours and over	87	87	90	91	91

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, 2001,* Bulletin 2556 (April 2003), table 19, and earlier reports.

Table 12.41-- INTERSTATE MOVEMENT OF JOB-SEEKERS: 1949 TO 2002

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
				2002	3,223	574	18

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 12.42-- NONFATAL OCCUPATIONAL INJURIES AND ILLNESSES, PRIVATE INDUSTRY: 1995 TO 2001

[Numbers in thousands. Agriculture, forestry and fishing (farms with more than 10 employees); construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; services]

	Total cases		Lost workday cases 1/		
	Number	Per 100 full-time workers	Number	Per 100 full-time workers	Cases without lost workdays
Injuries and illnesses					
1995	27.1	8.0	13.9	4.1	13.1
1996	23.0	6.8	12.1	3.6	10.8
1997	23.5	6.8	12.8	3.7	10.7
1998	21.2	6.5	12.1	3.7	9.1
1999	20.5	6.0	11.4	3.4	9.1
2000	21.4	6.0	12.4	3.5	9.1
2001	20.4	5.7	11.8	3.3	8.6
Injuries					
1995	26.2	7.7	13.4	4.0	12.8
1996	21.9	6.5	11.6	3.4	10.3
1997	22.7	6.6	12.4	3.6	10.3
1998	20.4	6.3	11.7	3.6	8.7
1999	19.7	5.8	11.0	3.2	8.7
2000	20.7	5.8	11.9	3.4	8.8
2001	19.3	5.4	11.1	3.1	8.1

1/ Days away from work, or days of restricted work activity, or both.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, *Occupational Injuries and Illnesses Survey* (annual); U.S. Department of Labor, Bureau of Labor Statistics, "State Occupational Injuries, Illnesses, and Fatalities" <http://www.bls.gov/iif/oshstate.htm#HI> tables 6 and 7 accessed September 8, 2003.

Table 12.43-- FATAL OCCUPATIONAL INJURIES: 1991 TO 2000

[All workers who died in Hawaii while working, including military personnel, federal government workers and nonresidents, but not residents who died out-of-state]

Event or Exposure	1991 to 1995	1992 to 1996	1993 to 1997	1994 to 1998	1995 to 1999	1996 to 2000
Total	129	126	117	103	114	110
Homicides	15	12	13	12	22	22
Aircraft accidents	17	22	19	18	19	17
Highway accidents	8	12	12	12	12	12
Falls	13	14	10	9	11	11
Self-inflicted injuries	10	7	9	8	8	8
Struck by or caught in objects	6	4	5	5	7	7
Water vehicle accidents	9	14	10	8	7	7
Oxygen deficiency (including drowning)	13	7	7	7	7	6
Pedestrian struck by vehicle	8	4	5	5	4	6
Nonhighway accidents 1/	10	11	9	8	6	5
Fires & explosions	4	6	6	4	5	5
Inhalation or ingestion of substance	12	12	(NA)	(NA)	3	3
Other	4	1	12	7	3	1

NA Not available.

1/ Involve transportation accidents that occur on industrial, commercial, residential, or farm premises.

Source: Hawaii State Department of Labor and Industrial Relations, Research and Statistics Office, *Census of Fatal Occupational Injuries* (annual).

Table 12.44-- WORK INJURIES, DEATHS, TIME LOST AND COMPENSATION COSTS: 1990 TO 2001

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
2001	30,179	34	1,263,787	252,041

Source: Hawaii State Department of Labor and Industrial Relations, *Workers' Compensation Data Book* (annual).

Table 12.45-- 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 12.46-- UNION AFFILIATION OF EMPLOYED WAGE AND SALARY WORKERS: 2001 AND 2002

[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	2001 1/	2002
Total employed (1,000)	522	492
Members of unions (1,000) 2/	123	120
Percent of employed	23.7	24.4
Represented by unions (1,000) 3/	136	125
Percent of employed	26.0	25.4

1/ Revised.

2/ Members of a labor union or an employee association similar to a union.

3/ Members of a labor union or an employee association similar to a union as well as workers who report no union affiliation buy 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 July 9, 2003.

Table 12.47-- LABOR UNIONS AND MEMBERSHIP: 2003

Subject	Total	AFL-CIO affiliated	Independent
Unions	113	99	14
Membership	1/ 2/ 166,955	1/ 143,443	2/ 23,512

1/ Excluded are seven unions not reporting membership for Hawaii: Bricklayers & Allied Craftsmen, International Union of Local 1; Electrical Workers Hawaii Local 368-E; Graphic Communications International Union Local 501-M; Hawaii Printing and Graphic Communications Union Local 413-N; Marine Firemen, Oilers, Watertenders and Wipers Association, Pacific Coast; Teachers, Hawaii Federation of Local 1127; United Public Workers, AFSCME, Local 646. The largest memberships reported: Hawaii Government Employees Association, AFSCME, Local 152 (42,700); Hotel Employees & Restaurant Employees Local 5 (10,500); Longshore and Warehouse Union, International Local 142 (22,000); Teamsters, Chauffeurs, Warehousemen and Helpers of America, International Brotherhood Airlines Division, Local 986 (16,000).

2/ Included are two unions that submitted membership figures which were estimates: Industrial Workers of the World Oahu General Membership Branch; State of Hawaii Organization of Police Officers (SHOPO). The largest memberships reported: Collective Bargaining Organization of Hawaii Nurses' Association (3,100); Hawaii State Teachers Association (13,076).

Source: Hawaii State AFL-CIO, *Directory of Labor Organizations and Affiliates, 2003-2004.*

Table 12.48-- STATE AND COUNTY EMPLOYEES IN COLLECTIVE BARGAINING UNITS, BY EMPLOYING JURISDICTION: 1999 TO 2002

[As of December 31]

Employing jurisdiction	1999	2000	2001	2002
Total	54,778	56,426	58,084	60,139
State of Hawaii	23,484	22,052	22,639	21,454
City and County of Honolulu	7,995	7,945	8,077	8,077
County of Hawaii	1,815	1,852	1,874	1,834
County of Maui	1,632	1,670	1,705	1,776
County of Kauai	875	881	908	1,737
Dept. of Education	13,113	13,276	13,707	13,710
Judiciary	1,434	1,445	1,484	1,546
University of Hawaii	4,430	4,539	4,613	6,321
Hawaii Health Systems Corporation	1/	2,766	3,077	3,854

1/ Included in 'State of Hawaii'.

Source: Hawaii Labor Relations Board, *HLRB Informational Bulletin,* No. 41, April 3, 2003, and earlier issues.

Table 12.49-- COLLECTIVE BARGAINING AGREEMENTS: 1987 TO 2003

Year	Number of agree-ments	Workers covered		Year	Number of agree-ments	Workers covered	
		Total	Per agree-ment			Total	Per agree-ment
1987 1/	1,375	80,400	58	1995	270	57,300	212
1988	433	16,290	38	1996	136	49,250	362
1989	104	50,950	490	1997	1,334	62,800	47
1990	194	24,300	125	1998	786	18,900	24
1991	107	23,700	221	1999	123	65,890	535
1992	1,413	21,400	15	2002	1,187	21,550	18
1993	369	65,900	179	2003	252	69,800	277
1994	84	8,000	95				

1/ For earlier years, 1964-1986, see source.

Source: University of Hawaii at Manoa, Industrial Relations Center, *Duration of Collective Bargaining Agreements in Hawaii, 2003* (December 2002), p. 1.

Table 12.50-- WORK STOPPAGES: 1990 TO 2002

[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
2002	1	1,170	(NA)

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 12.51-- WORK STOPPAGES INVOLVING 1,000 OR MORE WORKERS: 1983 TO 2002

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	-	-	-	-
1994	1	15,800	136,500	(NA)
1995-1997	-	-	-	-
1998	-	-	-	-
1999	-	-	-	-
2000	-	-	-	-
2001	2	15,100	195,900	(NA)
2002	1	1,170	(NA)	(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, and Hawaii State Department of Business, Economic Development & Tourism 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: 2002*, Section 13.

Table 13.01-- DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES: 1974 TO 2002

[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	4/ 9,791.8
1999	131.3	144.8	3,355.8	4/ 9,777.8
2000	95.6	132.2	3,473.0	4/ 10,397.3
2001	90.6	136.6	3,727.6	4/ 9,194.6
2002	(NA)	(NA)	4,304.8	9,993.8

NA not available.

1/ Excludes government sugar support payments.

2/ Fiscal year ending September 30. Sum of categories "Wages and salaries" and "Procurement", excludes Grants to State and local governement, Retirement and disability, direct payments to individuals, and direct payments to other than individuals.

3/ Direct visitor expenditures in Hawaii, exclusive of transpacific transportation. Estimates for 1984 and earlier years also exclude additional business expenditures by MCI (meetings, conventions, and incentive) visitors.

4/ 1998-2001 data have been revised from previous year Data Book to reflect a new methodology implemented for calculating visitor expenditures. Revision of earlier years is underway.

Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaiian Agriculture* (annual), records, and for 2001 <http://www.nass.usda.gov/hi/stats/t_of_c.htm> accssed March 18, 2003; 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 1993-2002<http://harvester.census.gov/cffr/index.html> accessed June 5, 2003.

Table 13.02-- GROSS STATE PRODUCT, PER CAPITA GROSS STATE PRODUCT AND RESIDENT POPULATION: 1977 TO 2001

[Current and real dollar GSP series for 1999-2000 were revised based on Gross State Product revision released by U.S. Bureau of Economic Analysis, May 22, 2003. 1977-1985 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 1977-1985 divided by 100. Per capita estimates were calculated by DBEDT using U.S. Census resident population estimates revised on December 20, 2002 and have been revised for 1977 to 2000]

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	25,669	915,749
1978	10,520	24,556	11,326	26,438	928,816
1979	11,978	25,943	12,608	27,307	950,050
1980	13,435	26,618	13,883	27,506	967,710
1981	14,524	26,093	14,848	26,675	978,195
1982	15,506	26,093	15,603	26,256	993,780
1983	16,909	27,030	16,697	26,691	1,012,717
1984	18,550	27,855	18,046	27,098	1,027,922
1985	19,991	28,567	19,228	27,477	1,039,698
1986	21,536	29,464	20,476	28,014	1,051,762
1987	23,421	30,913	21,931	28,947	1,067,917
1988	26,019	33,028	24,096	30,586	1,079,827
1989	28,811	35,309	26,321	32,258	1,094,588
1990	32,268	38,134	28,979	34,247	1,113,491
1991	34,002	38,516	29,911	33,882	1,136,754
1992	35,549	39,120	30,682	33,765	1,158,613
1993	36,308	38,809	30,957	33,090	1,172,838
1994	36,766	38,332	30,960	32,279	1,187,536
1995	37,243	37,948	31,117	31,706	1,196,854
1996	37,490	37,490	31,144	31,144	1,203,755
1997	38,537	37,668	31,806	31,088	1,211,640
1998	39,371	37,622	32,398	30,959	1,215,233
1999	40,662	38,047	33,597	31,436	1,210,300
2000	42,524	38,860	35,066	32,045	1,212,670
2001	43,710	38,839	35,623	31,653	1,227,024

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, 2002" (December 20, 2002) and <http://eire.census.gov/popest/data/states/tables/ST-EST2002-01.php> accessed May 22, 2003.

Table 13.03-- GROSS STATE PRODUCT, HAWAII AND UNITED STATES: 1977 TO 2001

[1977-1985 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 1977-1985 divided by 100]

	Hawaii			United States		
	Millions of dollars			Millions of dollars		
Year	Current	Real chained (1996) dollars	Chained 1996 quantity index (1996=100)	Current	Real chained (1996) dollars	Chained 1996 quantity index [1996=100]
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	40,662	38,047	101.5	9,251,541	8,882,613	115.1
2000	42,524	38,860	103.7	9,891,187	9,298,227	120.5
2001	43,710	38,839	103.6	10,137,190	9,335,399	121.0

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry: 1977-2001, May 22, 2003 and <http://www.bea.doc.gov/bea/regional/gsp/> accessed May 22, 2003; and calculations by Hawaii Department of Business, Economic Development & Tourism.

Table 13.04-- GROSS STATE PRODUCT, BY INDUSTRY: 1977 TO 2001

[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 1999-2000 are revised]

Industry	1977	1982	1987	1992	1997	1998	1999	2000	2001
Total, all industries	9,390	15,506	23,421	35,549	38,537	39,371	40,662	42,524	43,710
Private industries	6,785	11,418	17,897	27,875	30,066	30,745	31,784	33,500	34,310
Agriculture, forestry, fisheries	217	340	445	499	463	472	489	497	504
Farms	187	293	343	311	282	288	297	287	288
Ag. serv, forestry, fisheries	31	47	102	188	181	184	192	210	216
Mining	1/	3	14	39	44	41	39	44	33
Construction	577	735	1,174	2,200	1,612	1,618	1,648	1,843	1,891
Manufacturing	518	698	1,005	1,254	1,063	1,013	1,202	1,208	1,173
Transp, commun, utilities	943	1,469	2,343	3,413	3,915	3,963	4,070	4,160	4,085
Wholesale trade	456	652	910	1,369	1,481	1,506	1,544	1,633	1,632
Retail trade	993	1,632	2,526	3,812	4,332	4,335	4,485	4,710	4,915
Finance, insurance, real estate	1,588	3,159	5,109	8,005	8,737	9,175	9,370	9,859	10,057
Real estate	1,260	2,461	3,824	6,454	7,120	7,154	7,405	7,595	7,780
Services	1,492	2,731	4,371	7,285	8,419	8,622	8,937	9,545	10,019
Hotels	427	768	1,097	1,701	2,106	2,056	2,141	2,378	2,432
Health services	312	603	988	1,766	2,134	2,219	2,240	2,384	2,490
Other than hotels and health	753	1,360	2,286	3,818	4,179	4,347	4,556	4,783	5,097
Government	2,604	4,088	5,523	7,674	8,471	8,626	8,878	9,024	9,400
Federal government	1,730	2,686	3,687	4,515	4,818	4,940	5,034	5,313	5,544
Civilian	681	1,125	1,414	1,730	2,004	2,127	2,201	2,355	2,409
Military	1,049	1,561	2,273	2,785	2,814	2,813	2,833	2,958	3,135
State and local government	874	1,402	1,836	3,159	3,653	3,686	3,845	3,711	3,855

1/ Less than $500,000.

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry, May 22, 2003 and <http://www.bea.doc.gov/bea/regional/gsp/>, accessed May 22, 2003 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

[1999-2001 income data are revised]

Year	Personal income (in $1,000)		Resident population (as of July 1) 1/		Per capita personal income		
					Dollars		Hawaii as percent of U.S. average
	U.S.	Hawaii	U.S.	Hawaii	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	7,779,511,000	32,572,988	279,040,168	1,210,300	27,880	26,913	96.5
2000	8,398,796,000	34,308,208	282,124,631	1,212,281	29,770	28,301	95.1
2001	8,678,255,000	35,509,586	284,796,887	1,224,398	30,472	29,002	95.2

1/ Resident population as of July 1 of year indicated.

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income, September 23, 2002 <http://www.bea.gov/bea/regional/spi/> accessed September 23, 2002; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.06-- TOTAL AND PER CAPITA PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1969 TO 2002

[1999-2002 income data are revised. BEA has not updated the employment, farm income, personal tax and non-tax, and transfer payment components of these annual data. See Table 13.05]

Year	Personal income (in millions of dollars)		Resident population (as of July 1) 1/		Per capita personal income		
					Dollars		Hawaii as percent of U.S. average
	U.S.	Hawaii	U.S.	Hawaii	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	7,779,521,000	32,626,044	279,040,168	1,210,300	27,880	26,957	96.7
2000	8,398,871,000	34,384,024	282,224,348	1,212,670	29,760	28,354	95.3
2001	8,677,490,000	35,625,115	285,317,559	1,227,024	30,413	29,034	95.5
2002	8,891,093,018	37,396,811	288,368,698	1,244,898	30,832	30,040	97.4

1/ Resident population as of July 1 of year indicated.

Source: U.S. Bureau of Economic Analysis, State Quarterly Personal Income, July 23, 2003 <http://www.bea.gov/bea/regional/spi/> accessed July 23, 2003; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.07-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1969 TO 2001

[1999-2001 income data are revised]

Year	Disposable personal income (in $1,000)		Resident population (as of July 1) 1/		Per capita disposable personal income		
					Dollars		Hawaii as percent of U.S. average
	U.S.	Hawaii	U.S.	Hawaii	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	6,621,480,000	28,378,136	279,040,168	1,210,300	23,729	23,447	98.8
2000	7,113,559,000	29,786,251	282,124,631	1,212,281	25,214	24,570	97.4
2001	7,387,363,000	30,930,425	284,796,887	1,224,398	25,939	25,262	97.4

1/ Resident population as of July 1 of year indicated.

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income, September 23, 2002 <http://www.bea.gov/bea/regional/spi/> accessed September 23, 2002; and calculations by Hawaii Stat Department of Business, Economic Development & Tourism.

Table 13.08-- TOTAL AND PER CAPITA DISPOSABLE PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1969 TO 2002

[1999-2002 income data are revised. BEA has not updated the employment, farm income, personal tax and non-tax, and transfer payment components of these annual data. See Table 13.06]

Year	Disposable personal income (in $1,000's)		Resident population (as of July 1) 1/		Per capita disposable personal income		
					Dollars		Hawaii as percent of U.S. average
	U.S.	Hawaii	U.S.	Hawaii	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	6,621,490,000	28,431,192	279,040,168	1,210,300	23,730	23,491	99.0
2000	7,113,634,000	29,862,067	282,224,348	1,212,670	25,206	24,625	97.7
2001	7,386,598,000	31,045,954	285,317,559	1,227,024	25,889	25,302	97.7
2002	7,778,520,018	33,258,422	288,368,698	1,244,898	26,974	26,716	99.0

1/ Resident population as of July 1 of year indicated.

Source: U.S. Bureau of Economic Analysis, State Quarterly Personal Income, July 23, 2003 <http://www.bea.gov/bea/regional/spi/> accessed July 23, 2003; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.09-- PERSONAL INCOME BY MAJOR SOURCES: 1998 TO 2001

[In thousands of dollars. Industries are grouped according to the Standard Industrial Code through 2001. 1999 and 2000 data are revised]

Item	1998	1999	2000	2001
PERSONAL INCOME	31,840,842	32,572,988	34,308,208	35,509,586
Earnings By Place of Work	23,067,353	23,693,787	24,837,527	25,681,656
Wage and salary disbursements	17,736,784	18,288,602	19,270,014	19,884,554
Other labor income	2,917,334	2,758,062	2,850,234	3,009,203
Proprietors' income	2,413,235	2,647,123	2,717,279	2,787,899
Farm proprietors' income	9,670	7,711	1,714	-1,188
Nonfarm proprietors' income	2,403,565	2,639,412	2,715,565	2,789,087
Dividends, interest, and rent	6,240,018	6,267,353	6,751,351	6,894,503
Transfer payments	3,804,481	3,928,501	4,088,578	4,371,503
Less: Pers. cont. for social insur.	1,271,010	1,316,653	1,369,248	1,438,076
Earnings By Industry	23,067,353	23,693,787	24,837,527	25,681,656
Farm Earnings	180,281	198,263	183,514	185,585
Nonfarm Earnings	22,887,072	23,495,524	24,654,013	25,496,071
Private Earnings	15,837,898	16,323,650	17,335,398	17,901,802
Ag. serv., forestry, fishing & oth	134,274	140,171	153,991	158,935
Mining	21,609	27,114	27,382	27,084
Construction	1,302,096	1,317,411	1,476,543	1,524,984
Manufacturing	694,393	680,231	739,090	771,357
Transport. and public utilities	1,794,068	1,845,770	1,960,358	1,980,469
Wholesale trade	812,560	833,513	872,954	874,044
Retail trade	2,567,744	2,714,989	2,831,220	2,900,069
Finance, insur., and real estate	1,884,620	1,930,193	1,921,638	1,985,127
Services	6,626,534	6,834,258	7,352,222	7,679,733
Gov't and gov't enterprises	7,049,174	7,171,874	7,318,615	7,594,269
Federal	4,082,013	4,130,842	4,355,657	4,526,546
Federal, civilian	1,785,052	1,829,605	1,953,222	1,970,075
Military	2,296,961	2,301,237	2,402,435	2,556,471
State and local	2,967,161	3,041,032	2,962,958	3,067,723

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income, September 23, 2002 <http://www.bea.doc.gov/bea/regional/spi> accessed September 23, 2002; and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.10-- PERSONAL INCOME BY MAJOR SOURCES: 2001

[In thousands of dollars. Industries are grouped according to the North American Industrial Code System effective 1997]

Item	2001
PERSONAL INCOME	35,509,586
Earnings by place of work	25,681,656
Wage and salary disbursements	19,884,554
Other labor income	3,009,203
Proprietors' income	2,787,899
Farm proprietors' income	-1,188
Nonfarm proprietors' income	2,789,087
Dividends, interest, and rent	6,894,503
Transfer payments	4,371,503
Less: Personal contributions for social insurance	1,438,076
Earnings by industry	25,681,656
Farm earnings	185,585
Nonfarm earnings	25,496,071
Private earnings	17,902,014
Forestry, fishing, related activities, and other	46,438
Mining	48,444
Utilities	203,962
Construction	1,592,495
Manufacturing	646,482
Durable goods manufacturing	(D)
Nondurable goods manufacturing	(D)
Wholesale trade	736,278
Retail Trade	1,918,448
Information	861,685
Finance and insurance	936,965
Real estate and rental and leasing	646,994
Professional and technical services	1,614,871
Management of companies and enterprises	381,857
Administrative and waste services	1,009,960
Educational services	377,014
Health care and social assistance	2,256,939
Accommodation and food services	2,366,845
Other services, except public administration	787,922
Government and government enterprises	7,594,057
Federal	4,526,555
Federal, civilian	1,970,078
Military	2,556,477
State and local	3,067,502

Source: U.S. Bureau of Economic Analysis, Annual State Personal Income, September 30, 2002 <http://www.bea.doc.gov/bea/regional/spi> accessed October 10, 2002; and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.11-- PERSONAL INCOME BY MAJOR SOURCES: 2001 AND 2002

[In millions of dollars. Industries are grouped according to the North American Industrial Code System effective 1997. These data are consistent with Tables 13.05a and 13.06a]

Item	2001	2002
PERSONAL INCOME	35,625	37,397
Earnings by place of work	25,698	27,167
Wage and salary disbursements	19,897	20,841
Other labor income	3,014	2,946
Proprietors' income	2,788	2,946
Farm proprietors' income	-1	2
Nonfarm proprietors' income	2,789	2,944
Dividends, interest, and rent	6,993	7,072
Transfer payments	142	4,705
Less: Personal contributions for social insurance	1,438	1,547
Earnings by industry	25,699	27,166
Farm earnings	186	202
Nonfarm earnings	25,513	26,965
Private earnings	17,904	18,614
Forestry, fishing, related activities, and other 6/	47	49
Mining	49	50
Utilities	204	209
Construction	1,593	1,754
Manufacturing	647	617
Durable goods	(D)	(D)
Nondurable goods	(D)	(D)
Wholesale trade	737	753
Retail trade	1,918	1,940
Transportation and warehousing	1,148	1,091
Information	861	868
Finance and insurance	937	1,013
Real estate and rental and leasing	647	664
Professional and technical services	1,615	1,731
Management of companies and enterprises	382	454
Administrative and waste services	1,010	1,119
Educational services	377	392
Health care and social assistance	2,257	2,357
Arts, entertainment, and recreation	319	327
Accommodation and food services	2,369	2,431
Other services, except public administration	788	797
Government and government enterprises	7,608	8,351
Federal government	4,541	4,972
Federal, civilian	1,970	2,083
Military	2,571	2,889
State and local	3,068	3,379

Source: U.S. Bureau of Economic Analysis, State Quarterly Personal Income, July 23, 2003 <http://www.bea.gov/bea/regional/spi/> accessed July 23, 2003; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND POPULATION BY COUNTY: 1969 TO 2001

[Data for 1999-2000 have been revised. Per capita personal income was computed using Census Bureau midyear population estimates. Estimates for 1999-2001 reflect county population estimates available as of April 2003]

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	32,626,044	25,384,774	7,241,270	2,935,280	1,295,717	3,010,273
2000	34,384,024	26,644,428	7,739,596	3,133,173	1,386,583	3,219,840
2001	35,625,115	27,511,409	8,113,706	3,335,468	1,405,858	3,372,380

Continued on next page.

Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND POPULATION BY COUNTY: 1969 TO 2001-- 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	26,957	28,882	21,851	19,972	22,239	23,861
2000	28,354	30,420	22,981	20,991	23,678	24,966
2001	29,034	31,115	23,666	21,986	23,786	25,542

Continued on next page.

Table 13.12-- PERSONAL INCOME, TOTAL AND PER CAPITA, AND POPULATION BY COUNTY: 1969 TO 2001-- 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	1,212,670	875,881	336,789	149,261	58,560	128,968
2001	1,227,024	884,176	342,848	151,709	59,105	132,034

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economic Information System, Metropolitan Area Personal Income, May 6, 2003 <http://www.bea.doc.gov/bea/regional/reis/> accessed May 6, 2003 and calculations by Hawaii State Department of Business, Economic Development & Tourism.
http://www.bea.doc.gov/bea/regional/reis/

Table 13.13-- ECONOMIC ESTIMATES AND PROJECTIONS: 1998 TO 2025

[See also Tables 1.24 and 1.25 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 13.14-- 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)	2/ 36,808	2/ 29,831

NA Not available.

1/ 14 years old and over through 1969, and 15 years old and over thereafter.

2/ Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions see http://factfinder.census.gov/home/en/datanotes/expsf4.htm.

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 and U.S. Census Bureau, Census 2000 Summary File 4 (SF 4) - Sample Data, PCT133. Median Income in 1999 dollars, by sex, by work experience in 1999 for the Population 15 years and over with income.

Table 13.15-- MEDIAN INCOME OF FOUR-PERSON FAMILIES IN THE UNITED STATES AND HAWAII: 1974 TO 2001

[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 comparision and using three-year moving averages for state-to-state comparision. 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 3/	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	5	114.9
1993	45,161	54,856	4	121.5
1994	47,012	56,992	5	121.2
1995 4/	49,687	54,749	6	110.2
1996	51,518	57,909	6	112.4
1997	53,350	58,474	10	109.6
1998 5/	56,061	61,838	9	110.3
1999	56,061	61,540	10	109.8
2000	59,981	66,402	7	110.7
2001 6/	62,228	65,872	15	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 1980 census population controls in CPS estimates.

4/ Implementation of 1990 census population controls in CPS estimates.

5/ In 1999, The U.S. Bureau of Economic Analysis revised its methodology in estimating personal per capita income.

6/ Implementation of Census 2000-based population controls in CPS estimates.

Source: U.S. Bureau of the Census, Median Income for 4-Person Families, By State, 1974-01 (FY 77-2004) <http://www.census.gov/hhes/income/4person.html> accessed September 27, 2003; *Federal Register: Volume 68, Number 72* , April 15, 2003; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.16- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, 2-YEAR MOVING AVERAGES IN CONSTANT 2001 DOLLARS: 1984 TO 2001

[In dollars, numbers, and percent. Based on small samples and subject to considerabl sampling variation. From surveys made in March or April of following year. The Bureau c 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 1/		
	United States	Percent change	Standard error
1984-1985	36,701	(NA)	151
1985-1986	37,712	2.8	164
1986-1987	38,544	2.2	159
1987-1988	38,934	1.0	160
1988-1989	39,497	1.4	172
1989-1990	39,587	0.2	173
1990-1991	38,754	-2.1	158
1991-1992	38,032	-1.9	149
1992-1993	37,784	-0.7	146
1993-1994	37,904	0.3	144
1994-1995	38,712	2.1	165
1995-1996	39,587	2.3	176
1996-1997	40,284	1.8	160
1997-1998	41,436	2.9	181
1998-1999	42,764	3.2	187
1999-2000 2/	43,211	1.0	166
2000-2001 3/	42,695	-1.2	109

Year	Median income, 2-year moving averages 1/		
	Hawaii	Percent change	Standard error
1984-1985	46,131	(NA)	1,744
1985-1986	45,067	-2.3	1,699
1986-1987	48,440	7.5	1,423
1987-1988	49,836	2.9	1,540
1988-1989	47,891	-3.9	1,630
1989-1990	49,707	3.8	1,515
1990-1991	49,161	-1.1	1,613
1991-1992	49,639	1.0	1,580
1992-1993	51,768	4.3	1,604
1993-1994	50,695	-2.1	2,059
1994-1995	49,675	-2.0	1,830
1995-1996	48,175	-3.0	1,497
1996-1997	45,972	-4.6	1,515
1997-1998	44,650	-2.9	1,713
1998-1999	45,707	2.4	1,830
1999-2000 2/	48,316	5.7	1,680
2000-2001 3/	50,212	3.9	1,020

NA Not available.

1/ Median income in 2001 CPI-U-RS adjusted dollars The CPI-U-RS is a price index of inflation that incorporates most of the improvements in methodology made to the current CPI-U since 1978 into a single, uniform series. See Money Income in the United States: 1999 or the appendix of Money Income in the United States: 1998 for more information. Base year was 2000 in *Data Book 2001* .

2/ Based on November 2001 weighting correction. See March 2001 CPS Weighting Correction User Note <http://www.bls.census.gov/cps/ads/2001/susenote.htm>.

3/ Data reflect implementation of Census 2000-based population controls and a 28,000 household sample expansion.

Source: U.S. Bureau of the Census, Historical Income Tables - Households, Table H-8A. Median Money Income of Households, by State: 1984 to 2001 (Two-year moving averages) <http://www.census.gov/hhes/income/histinc/h08a.html> accessed September 27, 2003.

Table 13.17-- MEDIAN MONEY INCOME OF HOUSEHOLDS, FOR THE UNITED STATES AND HAWAII, 3-YEAR MOVING AVERAGES IN CONSTANT 2001 DOLLARS: 1984 TO 2001

[Based on small samples and subject to considerable sampling variation. From survey made in March or April of following year. The Bureau of the Census recommends 2-year averages (see Table 13.12) to evaluate changes in state estimates over time, and 3-year averages to compare the relative ranking of states

Year	Median income, 3-year moving averages 1/		
	United States	Standard error	Rank 2/
1984 -1986	37,256	133	22-23
1985 -1987	38,049	137	23-24
1986 -1988	38,744	137	24-25
1987 -1989	39,239	142	22-23
1988 -1990	39,440	145	21-22
1989 -1991	39,119	141	20-21
1990 -1992	38,462	131	23-24
1991 -1993	37,917	125	23-24
1992 -1994	37,896	123	23-24
1993 -1995	38,371	134	22-23
1994 -1996	39,098	142	22-23
1995 -1997	39,958	144	22-23
1996 -1998	40,914	148	22-23
1997 -1999	42,076	152	22-23
1998 -2000	42,908	152	22-23
1999 -2001 3/	42,873	109	20-21

Year	Median income, 3-year moving averages 1/		
	Hawaii	Standard error	Rank 2/
1984 -1986	45,652	1,436	5
1985 -1987	47,441	1,341	5
1986 -1988	48,121	1,292	6
1987 -1989	49,324	1,315	5
1988 -1990	48,966	1,352	6
1989 -1991	48,874	1,339	6
1990 -1992	50,131	1,338	3
1991 -1993	50,248	1,379	3
1992 -1994	51,153	1,589	2
1993 -1995	50,272	1,569	2
1994 -1996	48,758	1,496	3
1995 -1997	47,124	1,230	5
1996 -1998	45,408	1,436	14
1997 -1999	45,478	1,435	16
1998 -2000	46,924	1,519	15
1999 -2001 3/	49,232	1,034	9

1/ Median income in 2001 CPI-U-RS adjusted dollars The CPI-U-RS is a price index of inflation that incorporates most of the improvements in methodology made to the current CPI-U since 1978 into a single, uniform series. See Money Income in the United States: 1999 or the appendix of Money Income in the United States: 1998 for more information. Base year was 2000 in *Data Book 2001* .

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/ Based on November 2001 weighting correction. See March 2001 CPS Weighting Correction User Note <http://www.bls.census.gov/cps/ads/2001/susenote.htm>.

Source: U.S. Bureau of the Census, Historical Income Tables - Households, Median Money Income of Households, by State: 1984 to 2001 (Three-year moving averages) <http://www.census.gov/hhes/income/histinc/h08b.html> accessed September 27, 2003; and

Table 13.18-- 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 13.19-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, STATE: 1995 TO 1999 AND BY COUNTY: 1995, 1997, 1998 AND 1999

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	3/ 8,630	4/	4/	4/	4/
Kauai	40,164	5,634	9.9	2,051	12.7
Maui	41,930	10,754	9.1	3,984	12.3
1996 2/					
The State	43,677	137,386	11.7	54,407	17.9
1997 2/					
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	4/	4/	4/	4/
Kauai	38,877	6,847	12.1	2,916	18.6
Maui	40,647	13,167	10.8	5,176	15.8
1998 2/					
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	4/	4/	4/	4/
Kauai	38,553	6,428	11.3	2,402	15.4
Maui	40,635	12,712	10.4	4,605	14.1

Continued on next page.

Table 13.19-- ESTIMATED MEDIAN HOUSEHOLD INCOME AND POVERTY STATUS, STATE: 1995 TO 1999 AND BY COUNTY: 1995, 1997, 1998 AND 1999 - Con.

Area	Median household income (dollars)	Persons in poverty 1/		Persons under 18 in poverty	
		Number	Percent	Number	Percent
1999 2/					
The State	44,755	124,495	10.5	42,650	14.5
Counties:					
Hawaii	35,799	21,278	14.5	7,521	19.5
Honolulu	46,260	83,628	9.8	28,239	13.6
Kalawao	7/	7/	7/	7/	7/
Kauai	40,024	6,507	11.2	2,370	15.3
Maui	42,765	13,082	10.2	4,520	13.9

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/ 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.

3/ Prediction variables were unavailable. Estimates shown are 1990 census values inflated to 1995 dollars.

4/ 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.

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.

7/ Due to the lack of administrative records, a model based estimate is not produced for Kalawao County. The Census Bureau suggests that those interested refer to Census 2000 data.

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> <http://www.census.gov/housing/saipe/estmod99/est99_HI.dat> accessed September 27, 2003 These and previous estimates are also available <http://www.census.gov/hhes/www/saipe/estimatetoc.html>.

Table 13.20-- INCOME OF HOUSEHOLDS AND FAMILIES: 1999

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <http://www.hawaii.gov/dbedt/census2k/about-sf3.pdf>]

Income	Households		Families	
	Number	Percent	Number	Percent
Total	403,572	100.0	289,012	100.0
Less than $10,000	31,937	7.9	13,619	4.7
$10,000 to $14,999	18,572	4.6	9,315	3.2
$15,000 to $24,999	42,232	10.5	25,394	8.8
$25,000 to $34,999	46,226	11.5	30,133	10.4
$35,000 to $49,999	63,485	15.7	45,032	15.6
$50,000 to $74,999	82,997	20.6	66,592	23.0
$75,000 to $99,999	51,284	12.7	42,440	14.7
$100,000 to $149,999	44,867	11.1	38,415	13.3
$150,000 to $199,999	12,003	3.0	10,115	3.5
$200,000 or more	9,969	2.5	7,957	2.8
Median household income (dollars)	49,820	(X)	56,961	(X)

X Not applicable.

Source: U.S. Census Bureau, Census 2000, Table DP-3. Profile of Selected Economic Characteristics: 2000, Geographic area: Hawaii <http://www.hawaii.gov/dbedt/census2k/profile-state/04015.pdf> accessed October 6, 2003.

Table 13.21-- 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 13.22-- POVERTY STATUS OF PERSONS: 1969, 1975, AND 1979 TO 2001

[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
1999	126,154	10.7	1992	133,000	11.2
			1993	91,000	8.0
CPS: 1/			1994	97,000	8.7
1980	81,000	8.5	1995	122,000	10.3
1981	108,000	11.3	1996	142,000	12.1
1982	132,000	13.2	1997	164,000	13.9
1983	129,000	12.9	1998	131,000	10.9
1984	92,000	9.3	1999	132,000	10.9
1985	109,000	10.7	2000	106,000	8.9
1986	109,000	10.7	2001	138,000	11.4
1987	95,000	8.8			

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; *2000 Census of Population, Poverty 1999: Census 2000 Brief* C2KBR-19 (May 2003), table 3; 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 September 27, 2003 and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

Table 13.23-- 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 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 13.24-- POVERTY INCOME GUIDELINES: 1993 TO 2003

[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
Feb. 7, 2003	10,330	13,940	17,550	21,160	24,770	28,380	31,990	35,600	3,610

1/ For 2003, corresponding levels for four-person families elsewhere in the United States were $18,400 on the Mainland and $23,000 in Alaska. 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 1994-2003 <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; and <http://a257.g.akamaitech.net/7/257/2422/14mar20010800/edocket.access.gpo.gov/2003/pdf/03-3018.pdf> accessed April 10, 2003.

Table 13.25-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU: 1996-1997 TO 2000-2001

[Annual averages for two-year periods]

Item	1996-97	1997-98	1998-99	1999-2000	2000-2001
Average annual expenditures	41,992	42,636	42,474	41,972	43,024
Food	5,672	6,206	6,300	5,771	6,722
Food at home	3,493	3,479	3,423	3,278	3,935
Cereals and bakery products	517	523	501	485	582
Meats, poultry, fish, and eggs	923	974	935	828	1,152
Dairy products	304	281	298	308	345
Fruits and vegetables	717	725	690	649	765
Other food at home	1,033	976	999	1,009	1,091
Food away from home	2,179	2,727	2,877	2,493	2,788
Alcoholic beverages	381	467	406	409	554
Housing	13,638	14,775	14,676	14,084	13,903
Shelter	9,371	10,233	10,079	9,717	9,460
Owned dwellings	5,458	6,290	6,156	5,704	4,966
Rented dwellings	3,584	3,602	3,403	3,404	3,986
Other lodging	329	341	520	610	509
Utilities, fuels, and public serv.	1,975	2,011	2,032	2,113	2,182
Household operations	387	419	514	630	647
Housekeeping supplies	526	540	554	497	539
Housefurnishings and equipment	1,379	1,571	1,497	1,127	1,075
Apparel and services	2,215	1,876	1,995	1,974	1,761
Transportation	7,955	6,845	5,354	5,775	6,523
Vehicle purchases (net outlay)	3,521	2,394	999	1,553	2,329
Gasoline and motor oil	1,046	1,111	1,060	1,071	1,176
Other vehicle expenses	2,357	2,427	2,262	2,101	2,103
Public transportation	1,032	913	1,033	1,050	915
Health care	1,618	1,905	2,188	2,211	2,252
Entertainment	2,041	1,906	2,083	1,997	2,066
Personal care prod. and services	709	617	638	702	691
Reading	216	207	193	182	163
Education	847	1,141	1,147	906	864
Tobacco prod. and smoking sup.	280	222	217	230	247
Miscellaneous	964	962	978	978	763
Cash contributions	892	782	1,410	1,926	1,672
Personal insurance and pensions	4,564	4,724	4,890	4,826	4,844
Life and other personal insur.	743	777	687	655	636
Pensions and Social Security	3,821	3,947	4,203	4,171	4,208

Continued on next page.

Table 13.25-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR HONOLULU: 1993-1994 TO 2000-2001--Con.

Item	1996-97	1997-98	1998-99	1999-2000	2000-2001
Consumer unit characteristics:					
Number of consumer units	263,000	275,000	298,000	294,000	279,000
Income before taxes (dollars) 1/	49,255	53,461	53,537	51,906	54,819.0
Age of reference person	49.6	50.4	51.9	52.6	52.9
Number of persons	2.9	3.0	2.9	2.7	2.8
Number of children under 18	0.7	0.8	0.7	0.6	0.7
Number of persons 65 and over	0.3	0.4	0.4	0.4	0.4
Number of earners	1.5	1.5	1.5	1.5	1.5
Number of vehicles	1.7	1.8	1.7	1.6	1.6
Percent homeowner	54	56	57	56.0	52.0

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) <http://www.bls.gov/cex/csxmsa.htm> and for 2000-2001 <ftp://ftp.bls.gov/pub/special.requests/ce/msa/y0001/west.TXT>.

Table 13.26-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR THE WESTERN UNITED STATES (INCLUDING HONOLULU): 2000-2001

[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 Fran-cisco	San Diego	Port-land	Seattle	Anchor-age	Phoenix	Denver	Honolulu	Hono-lulu Rank 1/
Average annual expenditures	42,270	45,227	56,112	43,960	42,769	47,099	53,618	41,021	44,862	43,024	7
Food	5,551	5,737	6,966	4,817	5,446	6,237	7,121	5,248	5,499	6,722	3
Food at home	3,225	3,207	3,902	2,524	3,035	3,932	4,430	2,823	3,301	3,935	2
Cereals and bakery products	466	437	592	361	456	557	614	418	477	582	3
Meats, poultry, fish, and eggs	819	906	999	632	679	996	1,076	614	852	1,152	1
Dairy products	352	352	384	280	335	416	447	332	345	345	5
Fruits and vegetables	584	600	751	444	508	745	776	499	566	765	2
Other food at home	1,004	911	1,177	806	1,057	1,217	1,517	960	1,062	1,091	4
Food away from home	2,326	2,529	3,064	2,293	2,410	2,305	2,692	2,425	2,198	2,788	2
Alcoholic beverages	424	412	744	340	514	468	611	459	625	554	4
Housing	14,486	17,106	20,877	16,472	15,060	15,781	17,062	13,361	16,087	13,903	8
Shelter	9,053	10,975	13,795	11,160	9,306	10,029	10,467	7,880	10,015	9,460	7
Owned dwellings	5,596	6,591	8,351	6,949	6,366	6,094	5,911	4,887	6,300	4,966	8
Rented dwellings	2,926	3,829	4,671	3,855	2,372	3,265	3,806	2,450	3,243	3,986	2
Other lodging	531	555	772	357	567	670	750	544	472	509	7
Utilities, fuels, and public services	2,375	2,500	2,548	2,293	2,421	2,497	2,487	2,641	2,518	2,182	9
Household operations	770	1,082	1,465	965	775	761	888	631	675	647	8
Housekeeping supplies	508	468	575	415	420	644	644	529	550	539	5
Housefurnishings and equipment	1,779	2,080	2,494	1,638	2,138	1,850	2,576	1,681	2,330	1,075	9
Apparel and services	1,839	2,066	2,775	1,636	1,547	1,733	2,366	1,743	1,976	1,761	5
Transportation	8,101	8,104	9,492	9,161	6,917	9,372	9,773	8,910	8,458	6,523	9
Vehicle purchases (net outlay)	3,553	3,062	4,206	4,836	2,542	4,104	4,115	4,105	3,270	2,329	9
Gasoline and motor oil	1,404	1,525	1,519	1,393	1,308	1,476	1,458	1,257	1,279	1,176	9

Continued on next page.

Table 13.26-- AVERAGE ANNUAL EXPENDITURES AND OTHER CHARACTERISTICS OF CONSUMER UNITS, FOR THE WESTERN UNITED STATES (INCLUDING HONOLULU): 2000-2001-- Con.

Item	All consumer units in the West	Los Angeles	San Fran-cisco	San Diego	Port-land	Seattle	Anchor-age	Phoenix	Denver	Honolulu	Hono-lulu Rank 1/
Transportation - con.:											
Other vehicle expenses	2,635	2,988	2,834	2,438	2,493	3,232	3,137	2,975	3,278	2,103	9
Public transportation	509	530	932	494	575	560	1,064	573	632	915	3
Health care	2,065	1,905	2,170	1,771	2,143	2,479	2,573	2,051	2,100	2,252	3
Entertainment	2,131	1,968	2,383	2,188	2,341	2,381	3,515	2,102	2,388	2,066	8
Personal care products and services	558	622	612	521	498	591	639	565	595	691	1
Reading	158	148	266	174	226	170	269	145	137	163	6
Education	736	721	1,086	585	693	715	835	478	402	864	2
Tobacco products and smoking supplies	237	194	224	219	279	326	538	241	316	247	5
Miscellaneous	846	996	1,000	696	1,085	952	1,174	729	890	763	7
Cash contributions	1,224	1,172	1,486	947	1,617	1,178	2,090	1,113	1,162	1,672	2
Personal insurance and pensions	3,914	4,077	6,031	4,432	4,403	4,718	5,053	3,875	4,228	4,844	3
Life and other personal insurance	334	356	342	430	340	404	464	377	499	636	1
Pensions and Social Security	3,580	3,721	5,689	4,002	4,063	4,313	4,590	3,498	3,729	4,208	4
Consumer unit characteristics:											
Number of consumer units (thousands)	24,395	5,047	2,756	863	1,042	1,508	107	1,195	1,176	279	8
Income before taxes (dollars)	48,355	53,514	70,237	49,692	50,245	56,633	57,000	49,825	54,012	54,819	4
Age of reference person	46.6	47.3	47.4	47.7	46.9	46.5	43.5	46.3	43.8	52.9	1
No. of persons in consumer unit	2.6	2.9	2.5	2.6	2.4	2.4	2.6	2.6	2.4	2.8	2
No. of children under 18 in consumer unit	0.7	0.8	0.6	0.7	0.6	0.6	0.8	0.7	0.6	0.7	3
No. of persons 65 and over in consumer unit	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.3	0.2	0.4	1
No. of earners	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.4	1.5	1.5	2
No. of vehicles	2.0	1.8	1.8	1.9	2.3	2.3	2.5	1.7	2.2	1.6	9
Percent homeowner	60.0	54.0	60.0	56.0	65.0	61.0	59.0	62.0	63.0	52.0	9

1/ Within the nine Metropolitan Statistical Ares 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 2000-2001,* <ftp://ftp.bls.gov/pub/special.requests/ce/msa/y0001/west.txt> accessed February 14, 2003.

Table 13.27-- TOP WEALTHHOLDERS: 1962 TO 1998

[Top wealthholders are defined as persons with a gross estate in excess of specified amounts, rising from $60,000 in 1962 to $600,000 in 1989. All figures are estimates based on estate tax return samples]

Group and year	Number of top wealth-holders	Millions of dollars		
		Total assets	Debts and mortgages	Net worth
Gross estate over $60,000:				
1962	11,323	1,908	231	1,677
1969	36,470	6,327	1,090	5,236
1972	53,700	7,866	1,369	6,497
Gross estate over $120,000:				
1976	39,000	7,436	1,546	5,890
Gross estate over $325,000:				
1982	20,300	14,767	3,523	11,244
Gross estate over $500,000:				
1982	8,700	10,864	2,919	7,946
1986	11,000	11,330	1,475	9,855
Gross estate over $600,000:				
1989	22,300	28,393	2,447	25,947
1992	32,280	39,198	3,543	35,655
1995	24,000	25,944	2,745	23,199
Gross estate over $625,000:				
1998	25,000	30,986	4,133	26,853

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; and *Winter 2002-2003 Issue, Personal Wealth 1998,* table 6 <http://www.irs.ustreas.gov/pub/irs-soi/98pwart.pdf> accessed September 28, 2003.

Table 13.28--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 AND 1998

[Data are estimates based on samples. Numbers are in thousands.
Amounts are in millions of dollars. For 1998, assets of $625,000 or more]

Category	United States	Hawaii	Hawaii as percent of U.S.
1995			
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
1998			
Top wealthholders: Number	6,501	25	0.4
Total assets: Amount	9,616,127	30,986	0.3
Debts: Number	4,995	21	0.4
Amount	879,931	4,133	0.5
Net worth: Number	6,501	25	0.4
Amount	8,736,196	26,853	0.3
Real estate: Number	5,834	23	0.4
Amount	2,449,146	10,588	0.4
Corporate estate stock: Number	5,218	19	0.4
Amount	3,130,272	9,881	0.3
Cash: Number	3,422	16	0.5
Amount	893,940	1,578	0.2
Total bonds: Number	6,336	24	0.4
Amount	927,827	3,248	0.4

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; and *Winter 2002-2003 Issue, Personal Wealth 1998,* table 6 <http://www.irs.ustreas.gov/pub/irs-soi/98pwart.pdf> accessed September 28, 2003.

Table 13.29-- (NET) WORTH OF RICHEST RESIDENTS: 1998 TO 2003

Name	Residence	Age (years)	Net worth (million dollars)	Primary sources
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				
Anthony, Barbara Cox 1/	Honolulu	77	10,000	Inheritance (Cox Enterprises, newspapers, cable TV)
Campbell family 2/	Hawaii	...	1,700	Land, investments
2001				
Anthony, Barbara Cox 1/	Honolulu	78	11,300	Inheritance (Cox Enterprises, newspapers, cable TV)
2002				
Anthony, Barbara Cox 1/	Honolulu	79	9,500	Inheritance (Cox Enterprises, newspapers, cable TV)
2003				
Anthony, Barbara Cox 1/	Honolulu	80	11,000	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, $23 billion in 2001, and $19 billion in 2002. In 2003, the sisters tied at rank of 12 with net worth of $11.0 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 2002, and 2003, the online list was limited to individuals and no individual Campbell was listed.

Source: "The Forbes Four Hundred," *Forbes,* 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>; October, 2001 and <http://www.forbes.com/tool/toolbox/rich400/> accessed January 23, 2002; September 13, 2002 <http://www.forbes.com/2002/09/13/rich400land.html> accessed November 26, 2002; and September 19, 2003 <http://www.forbes.com/richlist2003/rich400land.html> accessed September 27, 2003.

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 Hawaii 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: 2002*, 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: 1977-2001

[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]

	Hawaii		United States	
Year	Deflator 1996 = 100	Percent change from year previous	Deflator 1996 = 100	Percent change from year previous
1977	39.9	(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	2.1	104.2	1.2
2000	109.4	2.4	106.4	2.1
2001	112.5	2.8	108.6	2.1

NA Not available.

Source: U.S. Bureau of Economic Analysis, Gross State Product By Industry: 1977-2001, May 22, 2003 and <http://www.bea.doc.gov/bea/regional/gsp/> accessed May 22, 2003; and calculations by Hawaii 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 2002

[1982-1984 average = 100. Excludes rent before 1963]

	Honolulu		United States	
Year	Annual average	Percent change from year previous	Annual average	Percent change from year previous
1940	14.7	(NA)	14.0	(NA)
1941	15.5	5.4	14.7	5.0
1942	17.6	13.5	16.3	10.9
1943	18.9	7.4	17.3	6.1
1944	19.2	1.6	17.6	1.7
1945	19.7	2.6	18.0	2.3
1946	21.0	6.6	19.5	8.3
1947	24.4	16.2	22.3	14.4
1948	25.7	5.3	24.1	8.1
1949	25.2	-1.9	23.8	-1.2
1950	24.3	-3.6	24.1	1.3
1951	25.7	5.8	26.0	7.9
1952	26.5	3.1	26.5	1.9
1953	26.7	0.8	26.7	0.8
1954	26.9	0.7	26.9	0.7
1955	27.3	1.5	26.8	-0.4
1956	27.7	1.5	27.2	1.5
1957	28.6	3.2	28.1	3.3
1958	30.0	4.9	28.9	2.8
1959	30.5	1.7	29.1	0.7
1960	31.3	2.6	29.6	1.7
1961	32.1	2.6	29.9	1.0
1962	32.8	2.2	30.2	1.0
1963	33.5	2.1	30.6	1.3
1964	33.7	0.6	31.0	1.3
1965	34.4	2.1	31.5	1.6
1966	35.3	2.6	32.4	2.9
1967	36.3	2.8	33.4	3.1
1968	37.7	3.9	34.8	4.2
1969	39.4	4.5	36.7	5.5
1970	41.5	5.3	38.8	5.7
1971	43.2	4.1	40.5	4.4
1972	44.6	3.2	41.8	3.2
1973	46.6	4.5	44.4	6.2
1974	51.5	10.5	49.3	11.0
1975	56.3	9.3	53.8	9.1
1976	59.1	5.0	56.9	5.8
1977	62.1	5.1	60.6	6.5
1978	66.9	7.7	65.2	7.6
1979	74.3	11.1	72.6	11.3

Continued on next page.

Table 14.02-- CONSUMER PRICE INDEX, FOR ALL URBAN CONSUMERS (CPI-U), ALL ITEMS, FOR HONOLULU AND UNITED STATES: 1940 TO 2002--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
2002	180.3	1.1	179.9	1.6

NA Not available.

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. 1987-2002: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers [CPI-U] Honolulu <http://www.bls.gov/cpi/home.htm> and for Honolulu <http://stats.bls.gov/ro9news.htm> accessed February 21, 2003.

Table 14.03-- CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER, FOR HONOLULU: SEMI-ANNUALLY, 1984 TO 2002

[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
2002	180.3	180.1	180.4	180.6	180.4	180.7
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
2002	1.1	1.1	1.0	0.8	1.0	0.7

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 <http://www.bls.gov/ro9/9225.pdf> accessed February 21, 2003.

Table 14.04-- CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U), BY EXPENDITURE CATEGORY AND COMMODITY AND SERVICE GROUP, FOR HONOLULU: ANNUAL AVERAGES, 1998 TO 2002

[Unless otherwise specified, 1982-1984 average=100]

Group	1998	1999	2000	2001	2002
All items	171.5	173.3	176.3	178.4	180.3
Food and beverages	159.1	162.9	164.8	169.5	171.9
Food	159.1	163.0	164.8	169.5	171.6
Food at home	162.6	166.2	166.9	172.9	175.2
Food away from home	153.3	158.3	160.0	164.0	166.0
Alcoholic beverages	158.8	161.9	163.9	168.1	175.7
Housing	176.0	175.8	177.9	179.1	181.2
Shelter	192.3	191.7	191.9	193.1	196.3
Rent, residential 1/	183.5	181.7	180.3	181.6	185.3
Owners' equivalent rent 1/	198.3	197.0	196.3	197.7	201.8
Fuel and other utilities	131.0	133.4	147.4	146.6	142.6
Fuels	112.2	114.3	130.8	129.8	125.0
Gas (piped) and electricity	111.8	113.7	129.8	128.8	124.3
Electricity	111.4	113.4	129.1	128.1	123.3
Utility (piped) gas	107.5	109.2	126.8	127.2	126.4
Household furnishings and operation	145.8	146.4	152.4	155.8	157.2
Apparel and upkeep	112.2	105.4	103.5	101.0	102.6
Transportation	162.5	162.2	169.6	174.5	170.9
Private transportation	161.7	160.4	166.9	170.6	164.2
Motor fuel	129.3	119.9	141.8	149.7	130.3
Gasoline	132.4	122.6	144.8	153.0	133.4
Unleaded, regular	138.6	128.8	151.7	160.1	138.7
Unleaded midgrade 2/	103.6	95.5	114.5	121.4	105.8
Unleaded, premium	121.9	112.4	132.7	140.3	123.4
Medical care	226.1	231.3	239.8	4/	4/
Education & Communication 3/	99.1	104.5	106.5	104.6	107.8
Recreation 3/	100.8	101.9	102.8	101.6	99.5
Other goods and services	256.1	275.6	279.7	289.3	302.2
All items	171.5	173.3	176.3	178.4	180.3
Commodities	147.5	148.2	150.3	152.8	152.0
Commodities less food and beverages	138.2	136.6	138.9	139.7	136.7
Nondurables less food and beverages	142.9	141.0	146.1	148.6	145.2
Durables	131.0	129.7	128.5	127.1	124.6
Services	192.6	195.3	199.1	200.9	205.0
Medical care services	226.1	(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, 1998 TO 2002 -- Con.

Group	1998	1999	2000	2001	2002
Special indexes:					
All items less shelter	163.4	166.2	170.5	173.1	174.4
All items less medical care	168.6	170.2	173.0	174.9	176.3
All items less energy	176.6	178.7	180.7	182.8	185.6
Energy	121.0	117.9	137.0	140.0	128.0
All items less food and energy	181.3	183.0	185.1	186.5	189.5
Commodities less food	139.1	137.7	140.1	141.0	138.5
Nondurables less food	143.9	142.4	147.3	149.9	147.3
Nondurables	151.9	153.3	156.5	160.3	159.9
Services less rent of shelter 1/	195.3	202.0	210.4	213.1	218.5
Services less medical care	189.7	192.2	195.5	197.1	200.3

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 21, 2003.

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 2001 AND 2002

[Percent of all items. Based on the 1999-2000 Consumer Expenditures Survey]

Group	2001 CPI-U		2002 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
Relative importance of local area	100.000	0.325	100.000	0.320
EXPENDITURE CATEGORY				
All items	100.000	100.000	100.000	100.000
Food and beverages	15.719	16.202	15.583	16.090
Food	14.688	15.065	14.554	14.938
Food at home	8.468	8.567	8.338	8.573
Cereals and bakery products	1.298	(NA)	1.281	(NA)
Meats, poultry, fish, and eggs	2.271	(NA)	2.222	(NA)
Meats, poultry, and fish	2.178	(NA)	2.123	(NA)
Dairy products	0.916	(NA)	0.876	(NA)
Fruits and vegetables	1.204	(NA)	1.234	(NA)
Other foods at home	1.811	(NA)	1.771	(NA)
Food away from home	6.220	6.499	6.216	6.365
Alcoholic beverages	1.031	1.136	1.029	1.152
Housing	40.873	42.201	40.854	42.479
Shelter	31.522	35.365	31.728	35.375
Renters' costs	(NA)	(NA)	(NA)	(NA)
Rent, residential	6.421	8.174	6.467	8.314
Other renters' costs	(NA)	(NA)	(NA)	(NA)
Tenants' and household insurance	0.353	(NA)	0.365	(NA)
Homeowners' costs	(NA)	(NA)	(NA)	(NA)
Owners' equivalent rent	22.046	24.452	22.243	24.822
Lodging away from home	2.461	(NA)	2.405	(NA)
Fuel and other utilities	4.511	3.131	4.469	3.255
Fuels	3.654	2.337	3.604	2.455
Fuel oil, and other household fuel	0.188	(NA)	0.205	(NA)
Fuel oil	0.121	(NA)	0.136	(NA)
Other household fuel commodities	0.068	(NA)	0.070	(NA)
Gas (piped) and electricity	3.466	2.301	3.399	2.420
Electricity	2.521	2.140	2.415	2.254
Utility (piped) gas	0.945	0.160	0.984	0.166
Water and sewer and trash collection	0.857	(NA)	0.864	(NA)
Household furnishings and operation	4.840	3.700	4.658	3.849

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 2001 AND 2002-- Con.

Group	2001 CPI-U		2002 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
EXPENDITURE CATEGORY -- Con.				
Apparel and upkeep	(NA)	(NA)	(NA)	(NA)
Apparel commodities	4.399	5.255	4.220	4.740
Men's and boys' apparel	1.122	(NA)	1.065	(NA)
Women's and girls' apparel	1.807	(NA)	1.738	(NA)
Footwear	0.874	(NA)	0.853	(NA)
Infants' and toddlers' apparel	0.203	(NA)	0.193	(NA)
Jewelry and watches	0.394	(NA)	0.370	(NA)
Transportation	17.055	14.699	17.293	14.377
Private transportation	15.845	12.110	16.121	11.749
Motor fuel	2.564	3.192	3.119	2.964
Gasoline (all types)	2.536	3.126	3.091	2.905
Public transportation	1.211	(NA)	1.172	(NA)
Medical care	5.810	5.874	5.961	6.364
Recreation	6.019	5.806	5.943	5.678
Education and communication	5.813	5.255	5.798	5.330
Other goods and services	4.312	4.702	4.350	4.943
Personal care	3.384	(NA)	3.358	(NA)
COMMODITY AND SERVICE GROUP				
All items	100.000	100.000	100.000	100.000
Commodities	41.300	37.866	40.822	37.063
Food and beverages	15.719	16.202	15.583	16.090
Commodities less food and beverages	25.582	21.679	25.239	20.973
Nondurables less food and beverages	13.493	14.389	13.824	13.907
Durables	12.089	7.308	11.415	7.066
Services	58.700	62.129	59.178	62.937
Medical care services	4.434	(NA)	4.574	(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 2001 AND 2002-- Con.

Group	2001 CPI-U		2002 CPI-U	
	U.S.	Honolulu	U.S.	Honolulu
EXPENDITURE CATEGORY -- Con.				
Special indexes:				
All items less shelter	68.478	64.617	68.272	64.625
All items less medical care	94.190	94.125	94.039	93.636
All items less energy	93.782	94.557	93.277	94.581
All items less food and energy	79.094	79.483	78.724	79.643
Energy	6.218	5.495	6.723	5.419
Commodities less food	26.612	22.813	26.268	22.125
Nondurables less food	14.524	15.521	14.853	15.059
Nondurables	29.212	30.561	29.406	29.997
Services less rent of shelter	27.531	27.089	27.815	27.796
Rent of shelter	31.169	(NA)	31.364	(NA)
Services less medical care services	54.266	57.568	54.604	57.984

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Relative Importance of Components in the Consumer Price Index* <http://www.bls.gov/cpi/cpiri_2001.pdf> and <http://www.bls.gov/cpi/relimp_2002.pdf> accessed February 20, 2003 and calculations by Hawaii Department of Business, Economic Development & Tourism.

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-- 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 14.09-- MEDIAN GROSS RENT AMOUNT AND AS PERCENTAGE OF HOUSEHOLD INCOME FOR UNITED STATES, STATES, AND PUERTO RICO: 1990 AND 2000

[Data based on sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2000/doc/sf3.pdf>. Rank of 1 indicates highest amount. Areas in order of highest rank in 2000]

Area	Median gross rent					
	1990			2000		
	Amount in dollars	Percentage of household income in 1989		Amount in dollars	Percentage of household income in 1989	
		Number	Rank		Number	Rank
United States	571	26.4	(NA)	602	25.5	(NA)
California	792	29.1	1	747	27.7	1
Florida	613	28.0	2	641	27.5	2
Hawaii	**830**	**27.4**	**6**	**779**	**27.2**	**3**
Oregon	521	25.5	27	620	26.9	4
New York	620	26.3	20	672	26.8	5
Arizona	560	27.5	4	619	26.6	6
New Mexico	473	26.5	17	503	26.6	7
Nevada	650	26.8	12	699	26.5	8
Washington	569	25.7	26	663	26.5	9
Colorado	533	26.1	21	671	26.4	10
Vermont	570	27.1	9	553	26.2	11
Louisiana	450	27.9	3	466	25.8	12
West Virginia	387	26.8	13	401	25.8	13
Rhode Island	625	27.5	5	553	25.7	14
Massachusetts	741	26.8	11	684	25.5	15
New Jersey	756	26.3	19	751	25.5	16
Connecticut	764	26.6	15	681	25.4	17
Maine	535	26.8	10	497	25.3	18
Montana	396	25.0	33	447	25.3	19
Idaho	422	23.8	48	515	25.3	20
Mississippi	394	27.1	8	439	25.0	21
Pennsylvania	516	26.1	22	531	25.0	22
Georgia	553	25.8	24	613	24.9	23
Utah	471	23.8	49	597	24.9	24
District of Columbia	612	25.4	28	618	24.8	25
Tennessee	456	25.0	34	505	24.8	26
Alabama	415	24.8	37	447	24.8	27
Alaska	714	23.8	47	720	24.8	28
Minnesota	539	26.7	14	566	24.7	29

Continued on next page.

Table 14.09-- MEDIAN GROSS RENT AMOUNT AND AS PERCENTAGE OF HOUSEHOLD INCOME FOR UNITED STATES, STATES, AND PUERTO RICO: 1990 AND 2000 - Con.

Area	Median gross rent					
	1990			2000		
	Amount in dollars	Percentage of household income in 1989		Amount in dollars	Percentage of household income in 1989	
		Number	Rank		Number	Rank
Maryland	700	25.4	29	689	24.7	30
Virginia	632	25.8	25	650	24.5	31
Michigan	540	27.2	7	546	24.4	32
Arkansas	418	26.5	16	453	24.4	33
Illinois	569	25.9	23	605	24.4	34
Texas	505	24.6	40	574	24.4	35
South Carolina	482	24.4	43	510	24.4	36
Oklahoma	434	25.4	30	456	24.3	37
Delaware	634	24.7	38	639	24.3	38
North Carolina	488	24.4	42	548	24.3	39
New Hampshire	701	26.4	18	646	24.2	40
Ohio	483	25.3	31	515	24.2	41
Missouri	470	25.2	32	484	24.0	42
Kentucky	408	24.9	35	445	24.0	43
Indiana	477	24.3	44	521	23.9	44
Wisconsin	510	24.9	36	540	23.4	45
Kansas	474	24.5	41	498	23.4	46
Iowa	429	24.1	45	470	23.2	47
Nebraska	445	23.7	50	491	23.0	48
South Dakota	391	24.6	39	426	22.9	49
Wyoming	425	23.7	51	437	22.5	50
North Dakota	400	23.9	46	412	22.3	51
Puerto Rico	261	29.4	(NA)	297	27.0	(NA)

NA Not available.

1/ Adjusted to 2000 dollars, using CPI-U-RS factor 1.277636.

Source: U.S. Census Bureau, 1990 Census and Census 2000 Summary File 3, *Housing Costs of Renters: 2000; Census 2000 Brief*, Issued May 2003 - C2KBR-21, Table 2 <http://www.census.gov/prod/2003pubs/c2kbr-21.pdf> accessed Sptember 18, 2003.

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-- MORTGAGE STATUS, MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME: UNITED STATES AND HAWAII: 1990 AND 2000

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see www.census.gov/prod/cen2000/doc/sf3.pdf)

	United States	Hawaii
Specified owner-occupied		
1990	45,550,059	147,510
2000	55,212,108	173,861
Specified owner-occupied with a mortgage		
1990		
Number	29,811,735	102,601
Percent	65.4	69.6
2000		
Number	38,663,887	122,128
Percent	70.0	70.2
Specified owner occupied without a mortgage		
1990		
Number	15,738,324	44,909
Percent	34.6	30.4
2000		
Number	16,548,221	51,733
Percent	30.0	29.8
Median selected monthly owner costs ($)		
With a mortgage		
1990	940	1,288
2000	1,088	1,636
Without a mortgage		
1990	267	217
2000	295	271
Median selected monthly owner costs as a percentage of household income		
With a mortgage		
1990	21.0	21.4
2000	21.7	26.3
Without a mortgage		
1990	11.1	1/
2000	10.5	1/

1/ Represents ‘‘less than 10 percent.

Source: U.S. Census Bureau, 1990 census and Census 2000 Summary File 3, September 16, 2003, Tables 2 and 3 <http://www.census.gov/prod/2003pubs/c2kbr-27.pdf> accessed September 18, 2003.

Table 14.12-- MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, FOR THE UNITED STATES, STATES, AND PUERTO RICO: 1990 AND 2000

[In dollars and percent. Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <http://www.census.gov/prod/cen2000/doc/sf3.pdf>]

Area	Median selected monthly owner costs				Median selected monthly owner costs as a percentage of household income			
	With a mortgage		Without a mortgage		With a mortgage		Without a mortgage	
	1990	2000	1990	2000	1990	2000	1990	2000
United States	940	1,088	267	295	21.0	21.7	11.1	10.5
Alabama	706	816	203	228	19.1	19.8	10.3	1/
Alaska	1,353	1,315	296	393	21.5	22.3	1/	1/
Arizona	983	1,039	240	268	22.8	22.1	1/	1/
Arkansas	655	737	221	240	20.0	19.4	12.1	1/
California	1,376	1,478	244	305	24.9	25.3	1/	1/
Colorado	1,022	1,197	259	277	22.5	22.6	10.8	1/
Connecticut	1,400	1,426	432	473	22.9	22.4	12.8	13.1
Delaware	975	1,101	256	267	19.7	20.8	1/	1/
D.C.	1,209	1,291	319	313	20.5	22.2	1/	1/
Florida	917	1,004	238	306	22.3	22.8	1/	10.5
Georgia	942	1,039	233	259	20.9	20.8	10.5	1/
Hawaii	1,288	1,636	217	271	21.4	26.3	1/	1/
Idaho	715	887	201	236	19.6	21.5	1/	1/
Illinois	979	1,198	308	353	20.2	21.7	11.2	11.1
Indiana	714	869	240	255	18.0	19.3	10.2	1/
Iowa	703	829	250	268	18.5	19.1	11.5	1/
Kansas	802	888	239	273	19.5	19.3	10.9	1/
Kentucky	684	816	192	214	18.8	19.6	1/	1/
Louisiana	759	816	215	232	20.6	19.6	11.2	1/
Maine	847	923	284	299	21.4	21.4	12.2	12.1
Maryland	1,173	1,296	300	333	21.1	22.2	10.0	1/
Massachusetts	1,258	1,353	381	406	22.3	21.9	12.6	12.4
Michigan	828	972	314	288	18.8	19.6	12.5	1/
Minnesota	925	1,044	238	271	20.4	20.0	10.5	1/
Mississippi	653	752	202	232	20.8	20.4	11.8	1/
Missouri	767	861	226	249	19.1	19.5	10.0	1/
Montana	735	863	224	261	20.2	22.2	10.9	10.4
Nebraska	779	895	244	283	19.7	19.7	11.5	10.5
Nevada	1,067	1,190	261	294	22.4	23.8	1/	1/

Continued on next page.

Table 14.12-- MEDIAN SELECTED MONTHLY OWNER COSTS BY MORTGAGE STATUS AND AS A PERCENTAGE OF HOUSEHOLD INCOME, FOR THE UNITED STATES, STATES, AND PUERTO RICO: 1990 AND 2000 - Con.

Area	Median selected monthly owner costs				Median selected monthly owner costs as a percentage of household income			
	With a mortgage		Without a mortgage		With a mortgage		Without a mortgage	
	1990	2000	1990	2000	1990	2000	1990	2000
New Hampshire	1,278	1,226	410	441	24.4	22.3	14.2	13.6
New Jersey	1,412	1,560	488	567	23.4	23.7	14.6	15.3
New Mexico	833	929	208	228	21.6	22.2	1/	1/
New York	1,141	1,357	413	457	21.5	23.2	13.8	13.6
North Carolina	836	985	235	254	20.5	21.3	10.8	1/
North Dakota	777	818	245	270	20.3	19.4	11.9	10.2
Ohio	797	963	262	289	19.0	20.6	11.0	10.6
Oklahoma	731	764	210	231	20.0	19.2	10.9	1/
Oregon	828	1,125	289	303	20.4	23.2	12.7	10.5
Pennsylvania	870	1,010	289	318	20.2	21.6	12.1	12.2
Rhode Island	1,138	1,205	371	406	22.7	22.7	13.0	13.4
South Carolina	787	894	229	240	19.9	20.5	10.7	1/
South Dakota	724	828	249	279	19.9	19.7	12.6	10.5
Tennessee	759	882	217	240	20.1	21.1	10.2	1/
Texas	908	986	247	296	20.9	20.1	11.5	10.9
Utah	851	1,102	236	249	20.9	22.9	1/	1/
Vermont	917	1,021	335	378	21.9	22.4	14.1	13.9
Virginia	1,060	1,144	245	263	21.9	21.4	1/	1/
Washington	942	1,268	248	338	20.4	23.8	1/	10.4
West Virginia	636	713	183	207	18.5	19.5	1/	1/
Wisconsin	866	1,024	321	333	20.1	20.9	12.8	11.2
Wyoming	781	825	207	229	19.4	19.7	1/	1/
Puerto Rico	408	625	82	124	22.3	27.9	1/	12.5

1/ Represents less than 10 percent.

Source: U.S. Census Bureau, 1990 census and Census 2000 Summary File 3, September 16, 2003, Tables 2 and 3 <http://www.census.gov/prod/2003pubs/c2kbr-27.pdf> accessed September 18, 2003.

Table 14.13-- HOME MARKET VALUES IN HONOLULU AND SELECTED UNITED STATES AND CANADIAN LOCATIONS: DECEMBER 2002

[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 transferring homeowners earning $60,000 annually with four family members typically 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. Rank of 1 indicates highest value]

Location City	Location State	Home market value	Rank
Anchorage	AK	234,500	16
Atlanta	GA	218,200	19
Boston	MA	467,900	3
Chicago	IL	326,100	8
Cincinnati	OH	213,400	21
Cleveland	OH	220,700	18
Dallas	TX	173,300	25
Denver	CO	335,000	7
Detroit	MI	267,500	11
Honolulu	**HI**	**427,600**	**4**
Kansas City	KS	213,000	22
Los Angeles	CA	499,500	2
Miami	FL	295,000	10
Milwaukee	WI	261,700	12
Minneapolis	MN	324,000	9
Montreal	PQ	165,500	26
Nashville	TN	202,500	23
Omaha	NE	216,000	20
Phoenix	AZ	246,100	14
Salt Lake City	UT	241,300	15
San Francisco	CA	699,600	1
Seattle	WA	340,300	6
St. Louis	MO	222,700	17
Toronto	ON	258,800	13
Vancouver	BC	191,800	24
Washington	D.C.	410,200	5

Source: Runzheimer International, Runzheimer Reports on Relocation February 2003, "Quarterly Home Market Values, December 2002" and <http://www.runzheimer.com/pow/pdf/Feb03RRR.pdf> accessed March 31, 2003; and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 14.14-- COST OF LIVING ANALYSES FOR HONOLULU AND THE UNITED STATES AVERAGE: JANUARY 1, 2003

[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	20,655	42,614	80,832	116,343
Rent, utilities	11,464	21,776	37,660	49,981
Taxes: federal, state, payroll	1,797	5,239	10,804	18,504
Consumables	5,756	10,341	19,332	26,119
Transportation	864	2,600	6,186	10,380
Health services	774	1,396	2,307	2,655
Miscellaneous	…	1,262	4,543	8,704
U.S. National Average	10,712	24,000	48,000	72,000
Rent, utilities	4,201	8,263	14,594	19,433
Taxes: federal, state, payroll	1,550	4,564	9,729	16,833
Consumables	3,682	6,802	12,629	17,101
Transportation	641	1,943	4,592	7,723
Health services	638	1,166	1,913	2,206
Miscellaneous	…	1,262	4,543	8,704
Honolulu indexed to U.S. average	192.8	177.6	168.4	161.6
Rent, utilities	272.9	263.5	258.1	257.2
Taxes: federal, state, payroll	115.9	114.8	111.0	109.9
Consumables	156.3	152.0	153.1	152.7
Transportation	134.8	133.8	134.7	134.4
Health services	121.3	119.7	120.6	120.4
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 appartment (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 2003* , pgs. 118 and 300.

Table 14.15-- HOME PRICES AND COMPARISON INDEX FOR SELECTED LOCATIONS IN HAWAII AND THE UNITED STATES AND CANADA: 2001 AND 2002

[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 rooms 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	2001		2002	
	Average sales price	Index	Average sales price	Index
Atlanta, GA	260,000	96	269,780	92
Boston, MA	319,500	118	628,333	215
Greater Vancouver, British Columbia, Canada	231,043	85	328,423	195
Dallas, TX	223,875	83	223,750	76
Detroit Metro, MI	288,700	107	259,625	89
Elgin, IL	236,500	87	255,075	87
Ft. Lauderdale/ Coral Springs, FL	213,667	79	234,166	80
Honolulu, HI	442,250	163	449,250	154
Kailua-Kona, HI	532,500	197	725,000	249
Kihei, Maui, HI	495,000	183	379,250	130
Mobile, AL	164,913	61	171,800	59
New Orleans, LA	232,800	86	214,862	73
Ottawa, Ontario, Canada	188,955	70	170,849	101
Phoenix, AZ	198,333	73	209,283	71
Queens, (Bayside), NY	468,000	173	508,750	174
San Francisco, CA	911,250	337	891,000	306
San Jose, CA	595,350	220	628,737	215
Tampa, FL	145,233	54	180,605	62
Wilmington, DE	247,225	91	250,225	85

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; and Coldwell Banker, 2002 Home Price Comparison Index, "2002 Annual Coldwell Banker Study Shows Average Value for a 2,200 Square Foot Home Increased Seven Percent from Last Year", August 13, 2002 <http://www.coldwellbanker.com/homepage.html> accessed July 31, 2003.

14.16-- HOUSING AFFORDABILITY: HONOLULU AND SELECTED UNITED STATES LOCATIONS: 2002 FIRST QUARTER

[The Housing Opportunity Index (HOI) for a given area is defined as the share of homes sold in that area that would have been affordable to a family earning the median income. Results from a survey conducted quarterly by the National Association of Home Builders. NAHB's Economics Group has stopped producing the Housing Opportunity Index. Data below, for the first quarter of 2002, will be the last period compiled]

Metropolitan Area	Median family income	Median sales price	Affordability Rank 2002 1st quarter
Honolulu, HI	62,600	195,000	145
Most affordable			
Elkhart-Goshen, IN	59,300	111,000	1
Kokomo, IN	61,900	99,000	2
Fargo-Moorhead, ND-MN	55,900	88,000	3
Springfield, IL	64,900	90,000	4
Peoria-Pekin, IL	57,800	85,000	5
Least Affordable			
Santa Rosa, CA	63,400	329,000	187
San Luis Obispo-Atascadero-Paso Robles	50,300	290,000	188
San Francisco, CA	86,100	525,000	189
Santa Cruz-Watsonville, CA	69,000	420,000	190
Salinas, CA	53,800	319,000	191

Source: National Association of Home Builders' Housing Opportunity Index (HOI) <http://www.nahb.org/assets/docs/files/Regional_byRank_813200284730PM.xls> accessed June 2, 2003.

Table 14.17-- 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 14.18-- VEHICLE MAINTENANCE COSTS IN SELECTED LOCATIONS IN THE UNITED STATES: 2003

[The cents-per-mile maintenance costs shown below are based on a typical intermediate-size vehicle represented by the 2003 Ford Taurus SEL sedan driven 15,000 miles per year and retained for 4 years. Costs cover normal and preventive maintenance to assure sound and economical operation during the retention cycle of the vehicle. The maintenance costs that Runzheimer analyzes include such normal and preventive procedures as oil changes, lubrication, brake inspection, and the exhaust system. In addition, driving conditions are taken into consideration to develop "typical" and "severe" maintenance per-mile values]

Location City	Location State	Maintenance Costs
Expensive		
San Francisco	CA	6.79
New York	NY	6.38
Hempstead (Long Island)	NY	5.62
Honolulu	HI	5.49
Chicago	IL	5.21
Miami	FL	5.17
Newark	NJ	5.13
St. Louis	MO	5.13
Stamford	CT	5.09
Sacramento	CA	5.01
Seattle	WA	5.01
Least Expensive		
Bismarck	ND	3.56
Casper	WY	3.64
Richmond	VA	3.68
Lubbock	TX	3.76
Billings	MT	3.80
Omaha	NE	3.80
Henderson	KY	3.88
Jackson	MS	3.88
Burlington	VT	3.92
Evansville	IN	3.92
Montgomery	AL	3.92
Portland	ME	3.92

Source: Runzheimer International, " *Runzheimer Analyzes Vehicle Maintenance Costs Nationwide: San Francisco, New York, Honolulu are High Maintenance; Bismarck, Casper, Richmond Low* " <http://www.runzheimer.com/corpc/news/scripts/032603.asp> accessed March 31, 2003.

14.19 GASOLINE PRICES PER GALLON FOR STATES AND THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE: JULY 17, 2003

[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	2.037	2.154	2.194	2.188
Hawaii Rank	1	1	1	1
U. S. average	1.521	1.615	1.674	1.520
Hawaii as percent of U.S. average	133.9	133.4	131.1	143.9
Alaska	1.763	1.866	1.972	1.682
Alabama	1.449	1.549	1.595	1.449
Arkansas	1.455	1.535	1.633	1.436
Arizona	1.600	1.668	1.764	1.611
California	1.809	1.926	1.958	1.779
Colorado	1.496	1.601	1.672	1.544
Connecticut	1.597	1.733	1.779	1.684
District of Columbia	1.625	1.731	1.783	1.752
Delaware	1.483	1.575	1.645	1.571
Florida	1.527	1.655	1.685	1.611
Georgia	1.412	1.518	1.585	1.403
Iowa	1.479	1.557	1.631	1.465
Idaho	1.600	1.689	1.735	1.616
Illinois	1.552	1.669	1.721	1.563
Indiana	1.475	1.586	1.631	1.442
Kansas	1.520	1.560	1.621	1.489
Kentucky	1.464	1.569	1.640	1.427
Louisiana	1.456	1.553	1.625	1.441
Massachusetts	1.525	1.640	1.702	1.643
Maryland	1.515	1.611	1.652	1.569
Maine	1.515	1.635	1.680	1.569
Michigan	1.543	1.634	1.699	1.500
Minnesota	1.506	1.567	1.607	1.449
Missouri	1.437	1.495	1.583	1.384
Mississippi	1.444	1.523	1.591	1.401
Montana	1.625	1.695	1.777	1.594
North Carolina	1.461	1.551	1.619	1.475
North Dakota	1.567	1.621	1.679	1.484
Nebraska	1.529	1.563	1.606	1.482
Nevada	1.710	1.802	1.868	1.644
New Hampshire	1.497	1.622	1.680	1.559
New Jersey	1.402	1.503	1.560	1.438
New Mexico	1.511	1.610	1.679	1.516
New York	1.607	1.719	1.755	1.720

Continued on next page.

14.19 GASOLINE PRICES PER GALLON FOR STATES AND THE DISTRICT OF COLUMBIA AND THE UNITED STATES AVERAGE: JULY 17, 2003-- Con.

State	Regular	Mid	Premium	Diesel
Ohio	1.463	1.561	1.623	1.483
Oklahoma	1.427	1.476	1.558	1.354
Oregon	1.663	1.755	1.781	1.662
Pennsylvania	1.502	1.584	1.654	1.592
Rhode Island	1.563	1.663	1.718	1.664
South Carolina	1.390	1.478	1.549	1.422
South Dakota	1.538	1.636	1.704	1.480
Tennessee	1.453	1.538	1.612	1.441
Texas	1.445	1.528	1.583	1.424
Utah	1.587	1.674	1.747	1.558
Virginia	1.449	1.520	1.578	1.484
Vermont	1.493	1.606	1.676	1.639
Washington	1.638	1.696	1.781	1.666
Wisconsin	1.584	1.645	1.720	1.529
West Virginia	1.519	1.588	1.668	1.587
Wyoming	1.503	1.567	1.670	1.475

Source: AAA's Daily Fuel Gauge Report© Copyright, Oil Price Information Service <http://198.6.95.31/sbsavg.asp> released and accessed July 17, 2003.

Table 14.20-- DOWNTOWN PARKING RATES HONOLULU AND AVERAGE NORTH AMERICA: JULY 2003

[In number, dollars and percent]

Market	Segment	Honolulu	North America average	Honolulu as percent of North America average
Monthly unreserved	Parking rate – high	200.00	183.57	109.0
Monthly unreserved	Parking rate – low	125.00	101.21	123.5
Monthly unreserved	Parking rate – average	175.00	140.52	124.5
Monthly reserved	Parking rate – high	300.00	245.91	122.0
Monthly reserved	Parking rate – low	200.00	155.34	128.7
Monthly reserved	Parking rate – average	250.00	192.32	130.0
Daily parking	Rate – high	48.00	18.29	262.4
Daily parking	Rate – low	30.00	8.80	340.9
Daily parking	Rate – average	35.00	13.45	260.2
Garages offering additional services (percent)		20.0	20.3	98.5
Garages with waiting lists (percent)		75.0	16.9	443.3
Typical wait period (number of months)		(NA)	3.3	…
Availability of parking		Limited	…	…

NA Not available.

Source: Colliers International: *North America CBD* (Central Business District) *Parking Rate Survey 2003: Highlights North America Monthly Parking Rates Parking Garages Feel Effects of Down Economy July 2003* , <http://www.colliers.com/Content/Repositories/Base/Corporate/English/Market_Report_Corporate/PDFs/ColliersParkingRateSurvey2003.pdf> accessed October 2, 2003

Table 14.21-- 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/freegs/html/gsstart.html> and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 14.22-- COST OF LIVING IN SELECTED MAJOR CITIES IN THE UNITED STATES AND RANK WORLDWIDE: MARCH 2001 TO 2003

[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 2003. Rank of 1 indicates most expensive city. New York City=100.0]

City	Index			Rank		
	2001	2002	2003	2001	2002	2003
New York City, NY	100.0	100.0	100.0	8	7	10
White Plains, NY	85.5	86.3	86.2	17	16	20
Los Angeles, CA	83.4	84.7	85.6	24	19	22
Chicago, IL	84.3	83.7	83.9	20	20	25
Miami, FL	83.0	81.8	83.7	25	25	27
San Francisco, CA	84.4	83.6	83.0	19	21	30
Honolulu, HI	81.3	82.4	82.8	29	23	32
San Juan, Puerto Rico	81.3	79.4	78.4	29	35	43
Houston, TX	77.2	78.5	78.3	41	36	46
Washington, DC	77.0	77.0	76.9	42	41	46
Morristown, NJ	77.8	76.7	76.7	38	42	53
Boston, MA	77.3	76.7	76.3	39	42	54
Atlanta, GA	73.9	74.0	74.7	47	48	61
Denver, CO	72.6	73.8	73.0	51	49	69
Detroit, MI	71.4	72.3	71.5	55	53	79
Seattle, WA	72.7	70.6	71.3	50	57	80
St. Louis, MO	72.9	73.6	71.0	49	50	82
Cleveland, OH	68.8	68.6	69.0	65	67	87
Pittsburgh, PA	69.0	69.6	67.8	64	59	88
Portland, OR	67.2	67.7	67.8	68	69	92
Winston Salem, NC	69.1	67.7	67.7	63	69	93
Minneapolis, MN	72.1	71.9	(NA)	52	56	(NA)

NA Not available.

Source: William M. Mercer Companies, LLC, Mercer USA Center: Corporate Resource Group, "World-wide cost of living survey – 2003 – city rankings", <http://www.mercerhr.com/pressrelease/details.jhtml/dynamic/idContent/1096495> accessed June 18, 2003.

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 in the *Federal Register* was July 17, 2000.

Source: U.S. Office of Personnel Management, Federal Register Online via GPO Access <http://www.wais.access.gpo.gov>, Vol. 62, No. 57, March 25, 1997 (pp. 14187-14189); Vol. 62, No. 231, December 2, 1997 (pp. 63630-63631); Vol. 63, No. 203, October 21, 1998 (pp. 56430-56431); Vol. 63, No. 219, November 13, 1998 (p. 63385) and <http://www.omp.gov/oca/cola/html/c-rates.html> accessed May 15, 2000. OMP-announced Federal COLA Retro Settlement, 06-23-00 and further developments http://www.opm.gov/oca/compmemo/2000/2000-10.htm
OMP, Non-Foreign Area Cost-of-Living Allowances, Special COLA Research Announcement, July 17, 2000; OMP, Cost-of-Living Allowances Vol. 65, No. 192, October 3, 2000 (58901-58902) and http://www.omp.gov/oca/cola/html/c-rates.html accessed 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, Island of	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. Location code HI999 - OTHER ISLANDS is a valid location but COLA is not currently prescribed for this location.

Source: U.S. Department of Defense, Per Diem, Travel and Transportation Committee, Overseas Cost-of-Living Program <http://www.dtic.mil/perdiem/ocform.html> accessed March 7, 2003.

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]

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	194	112	66	37	16	May 1, 2003
EASTPAC Naval Comp Tele Area	194	112	66	37	16	May 1, 2003
Ft. Derussey	194	112	66	37	16	May 1, 2003
Ft. Shafter	194	112	66	37	16	May 1, 2003
Hickam Air Force Base	194	112	66	37	16	May 1, 2003
Honolulu (Incl Nav & Mc Res Ctr)	194	112	66	37	16	May 1, 2003
Isle Of Hawaii: Hilo	180	100	64	36	16	June 1, 2003
Isle Of Hawaii: Other	229	150	63	36	16	June 1, 2003
Isle Of Kauai	246	158	70	39	18	May 1, 2003
Isle Of Maui	248	159	71	40	18	June 1, 2002
Isle Of Oahu	194	112	66	37	16	May 1, 2003
Kekaha Pacific Missile Range Fac	246	158	70	39	18	May 1, 2003
Kilauea Military Camp	180	100	64	36	16	June 1, 2003
Lanai	533	395	110	59	28	May 1, 2003
Lualualei Naval Magazine	194	112	66	37	16	May 1, 2003
MCB Hawaii	194	112	66	37	16	May 1, 2003
Molokai	199	101	78	43	20	May 1, 2003
NAS Barbers Point	194	112	66	37	16	May 1, 2003
Pearl Harbor [Incl All Military]	194	112	66	37	16	May 1, 2003
Schofield Barracks	194	112	66	37	16	May 1, 2003
Wheeler Army Airfield	194	112	66	37	16	May 1, 2003
[Other]	133	72	49	29	12	January 1, 2000

OCONUS Outside Continental United States.

1/ For reimbursement of subsistence expenses incurred during official OCONUS travel.

Source: U.S. Department of Defense, Per Diem, Travel and Transportation Committee, Rates and Allowances <http://www.dtic.mil/perdiem/opdrform.html> accessed June 23, 2003.

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: 2002.*

Table 15.01-- NUMBER OF FINANCIAL INSTITUTIONS, BY TYPES: 1992 TO 2002

[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	Loca-tions	Associ-ations	Loca-tions	Firms	Loca-tions	Firms	Loca-tions
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
2002	6	196	3	92	-	-	29	88
TYPE OF CHARTER: 2002								
Federal	1	15	2	90	-	-	-	-
State 1/	5	181	1	2	-	-	29	88
ISLANDS: 2002								
Hawaii	5	27	3	11	-	-	6	13
Maui	5	24	2	10	-	-	7	10
Lanai	2	2	-	-	-	-	-	-
Molokai	1	1	1	1	-	-	1	1
Oahu	6	127	3	63	-	-	26	59
Kauai	4	15	2	7	-	-	5	5
Niihau	-	-	-	-	-	-	-	-

1/ Chartered by any state in the U.S..

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: 2001

[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	Establish-ments	Number of em-ployees 1/	Annual payroll ($1,000)
52	Total	1,373	18,104	808,711
522	Credit intermediation & related activities	686	10,055	410,820
5221	Depository credit intermediation	460	8,963	353,273
52211	Commercial banking	231	5,850	256,943
52212	Savings institutions	101	(G)	(D)
52213	Credit unions	128	(G)	(D)
5222	Nondepository credit intermediation	147	798	44,030
5223	Activities related to credit intermediation 2/	79	294	13,517
52231	Mortgage & nonmortgage brokers	49	185	9,952
523	Security, commodity contracts and like activities 2/	198	(G)	(D)
5231	Scrty & comdty contracts intermed & brokerage	91	815	71,182
524	Insurance carriers & related activities	484	(I)	(D)
5241	Insurance carriers 2/	133	3,970	171,665
52411	Direct life, health, medical insurance carriers	67	2,547	104,451
5242	Agencies & other insurance related activities 2/	351	(G)	(D)
52421	Insurance agencies and brokerages	301	1,764	78,144
525	Funds, trusts, & other financial vehicles (part)	5	(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 2001, Hawaii,* CBP/01-13 (April 2003), p. 17 <http://www.census.gov/prod/www/abs/cbptotal.html> accessed April 10, 2003.

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	Establish-ments	Revenue ($1,000)	Annual payroll ($1,000)	Paid emplo-yees 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	Scrty & comdty contracts intermed & brokerage	74	144,574	48,078	675
524	Insurance carriers & related activities	534	(N)	265,519	6,881
5241	Insurance carriers 2/	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: 2000 TO 2002

[Includes out-of-State branches and facilities. Includes only instituations chartered by the State of Hawaii. As of December 31]

Subject	2000	2001	2002
BANKS			
Number of banks	4	4	4
Number of branches and facilities	204	196	199
Assets (million dollars)	23,560.4	22,558.4	22,449.9
Deposits (million dollars)	16,741.0	15,763.3	16,706.2
SAVINGS AND LOAN ASSOCIATIONS			
Number of associations	1	1	-
Number of branches and facilities	16	17	-
Assets (million dollars)	495.8	553.7	-
Withdrawable shares (million dollars)	335.3	1/ 476.7	-
FINANCIAL SERVICES LOAN COMPANIES 2/			
Number of companies	3	3	2
Number of branches	15	14	14
Assets (million dollars)	464.5	488.2	494.0

1/ Revised.

2/ Includes only financial services loan companies that issue investment certificates.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Financial Institutions, *Comparative Statements of Condition* (semi-annual) <http://www.hawaii.gov/dcca/dfi/publications01.html> accessed July 21, 2003.

Table 15.05-- CHARACTERISTICS OF BANKS HEADQUARTERED IN HAWAII: DECEMBER 31, 2002

[Includes their out-of-State branches and facilities. Excludes data for banks with branches and facilities in Hawaii but headquartered outside Hawaii. Covers 7 banks with 6,363 employees]

Subject	Million dollars	Subject	Percent of loans
ASSETS AND LIABILITIES		ASSET QUALITY	
Assets	23,337		
Foreign 1/	1,383	Loan loss allowance	2.068
Domestic 2/	21,954	Past due and non-accrual	2.054
Loans and leases	13,508	Real estate	1.029
Foreign 1/	953	Commercial	3.506
Domestic 2/	12,555	Consumer	2.342
Securities	5,422		
Liabilities	20,237	ASSET QUALITY OF LARGE	
Deposits	17,472	COMMERCIAL BANKS 3/	
Foreign 1/	1,514		
Domestic 2/	15,958	Loan loss allowance	2.056
Equity capital	3,100	Past due and non-accrual	2.001
Loan loss allowance	279	Real estate	0.490
Unused loan commitments	6,226	Commercial	3.602
		Consumer	2.352

1/ The assets, loans or deposits of the offices of the banks in foreign countries. Not comparable to earlier *Data Book* tables.

2/ The assets, loans or deposits of the bank offices within the United States.

3/ Commercial banks with assets of more than one billion dollars. There are four banks in Hawaii. Data displayed in the 2001 *Data Book* for "Asset Quality of Large Commercial Bank" was for all banks and is not comparable to data displayed for large commercial banks in this table and figures in previous *Data Books* .

Source: Federal Deposit Insurance Corporation <http://www.fdic.gov/bank/statistical/statistics/sectiond.html> accessed July 23, 2003.

Table 15.06-- CREDIT UNIONS: 1997 TO 2002

[As of December 31]

Year	Number of credit unions	Assets (dollars)	Shares (dollars)	Loans (dollars)	Number of credit union members
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
2002	101	5,396,606,043	4,741,630,738	2,457,737,063	679,056

Source: Hawaii Credit Union League, records.

Table 15.07-- INSURANCE BUSINESS TRANSACTED IN HAWAII: 1996 TO 2001

[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)
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
2001	988	2,186,640	722,813	3,609,657

1/ Excludes bank balances.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii* (annual) <http://www.hawaii.gov/dcca/reports/> accessed April 13, 2003.

Table 15.08-- LIFE INSURANCE BUSINESS TRANSACTED IN HAWAII: 1996 TO 2001

[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)
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
2001	472	7,528,187	71,621,301	509,806	925,602

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) <http://www.hawaii.gov/dcca/reports/> accessed April 13, 2003 and records.

Table 15.09-- INSURANCE PREMIUMS AND LOSSES PAID, BY CLASS OF INSURANCE: 2001

[Dollars]

Class of insurance	Premiums	Losses, claims, and benefits paid
All classes	2,186,639,974	1/ 1,648,414,501
Life 2/	503,914,871	923,390,240
Fraternal	5,890,673	2,211,304
Fire, marine, casualty, and miscellaneous:		
Accident and health	211,840,912	100,803,698
Fire	37,494,155	5,793,174
Allied lines	20,570,746	4,496,262
Multiple peril crop	716,813	809,512
Federal flood	11,354,113	622,442
Farmowners multiple peril	57,799	812
Homeowners multiple peril	157,730,961	25,947,688
Commercial multiple peril (fire & allied lines)	54,492,124	13,797,129
Commercial multiple peril (liability portion)	50,219,394	20,340,954
Mortgage guaranty	25,839,889	15,692,466
Ocean marine	9,989,253	3,448,555
Inland marine	25,349,441	6,958,431
Financial guaranty	4,856,541	-
Medical malpractice	21,455,729	11,993,496
Earthquake	1,319,923	-
Workers' compensation	216,819,076	116,478,726
Other liability	106,413,921	55,388,147
Products liability	7,933,475	3,722,007
Private passenger auto no-fault	65,107,875	43,686,775
Other private passenger auto liability	263,654,071	139,828,901
Commercial auto no-fault	4,191,173	2,604,539
Other commercial auto liability	68,128,786	29,275,773
Private passenger auto physical damage	148,297,351	85,272,825
Commercial auto physical damage	14,814,834	7,441,786
Aircraft	13,794,945	4,432,566
Fidelity	3,218,647	1,972,124
Surety	18,458,411	11,450,242
Burglary and theft	167,714	74,590
Boiler and machinery	2,735,311	1,375,046
Credit	1,364,869	722,838
Title	44,073,987	5,110,919
All other	7,935,199	3,270,534
Surplus lines	56,436,992	(NA)

NA Not available.

1/ Excludes surplus lines data which was not available. Figure was revised and differs from publication.

2/ Excludes annuities.

Source: Hawaii State Department of Commerce and Consumer Affairs, *Report of the Insurance Commissioner of Hawaii, 2002,* p. 6 <http://www.hawaii.gov/dcca/reports/> accessed April 13, 2003.

Table 15.10-- INSURANCE BUSINESS TRANSACTED IN HAWAII, BY LOCATION OF HOME OFFICE: 2001

[Money amounts in millions of dollars. For all insurance companies licensed to do business in Hawaii]

Subject	All companies	Domestic companies 1/	Foreign companies 2/	Alien companies 3/ (U.S. business only)
Number of companies, Dec. 31	988	20	956	12
Life incl. Fraternal Benefit Societies	472	4	462	6
Other than life	516	16	494	6
Financial condition, Dec. 31:				
Assets	3,881,173.9	1,457.7	3,850,979.7	28,736.5
Liabilities exc. capital and surplus	3,442,322.9	991.6	3,416,810.1	24,521.2
Policyholders' surplus incl. capital	438,851.0	466.1	434,169.6	4,215.4
Capital	8,195.3	51.5	8,127.7	16.0
Net gain or loss	10,222.7	25.2	10,406.9	-209.4
Hawaii business:				
Direct premiums written	2,860.3	545.0	2,291.3	24.0
Claims and benefits paid	1,902.0	235.1	1,652.1	14.9
Investments in Hawaii, Dec. 31	3,609.7	117.9	3,470.1	21.6
Mortgage loans (principal indebtedness)	1,091.5	79.0	1,012.5	-
Collateral loans (amount loaned)	47.9	-	41.7	6.2
State and county bonds 4/	1,163.6	18.5	1,145.1	-
Utilities stocks and bonds 4/	324.0	-	324.0	-
Industrial and misc. stocks and bonds 4/	873.7	14.9	843.4	15.5
Real estate 5/	109.0	5.6	103.4	-
Balances in Hawaii banks	394.9	35.0	346.0	13.9

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 <http://www.hawaii.gov/dcca/reports/> accessed April 13, 2003.

Table 15.11-- HEALTH PLANS: 1999 TO 2002

Subject	1999	2000	2001	2002
Hawaii Medical Service Association:				
Persons covered, Dec. 31 1/	499,706	491,257	2/ 629,331	668,493
Membership dues 3/ ($1,000)	1,039,271	1,118,980	2/ 1,213,569	1,569,669
Health Plan Hawaii: 4/				
Persons covered, Dec. 31 1/	125,332	125,003	2/ 2,195	(5/)
Membership dues 3/ ($1,000)	139,393	204,865	2/ 158,253	(5/)
Queen's Hawaii Care:				
Persons covered, Dec. 31 1/	43,788	6/ 40,889	6/ 14,758	7/ 13,075
Membership dues 3/ ($1,000)	75,340	6/ 80,642	6/ 29,972	7/ 13,007
Kaiser Foundation Health Plan:				
Persons covered: 1/				
Annual average	210,421	213,099	222,934	230,142
Dec. 31	210,151	217,262	225,455	233,646
Membership dues 3/ ($1,000)	342,061	358,509	388,535	435,007
University Health Alliance:				
Persons covered, Dec. 31 1/	14,005	19,290	30,043	25,586
Membership dues 3/ ($1,000)	16,965	25,162	56,003	52,410
Commercial carrier premiums for accident and health insurance ($1,000)	185,950	204,821	211,841	(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/ The transition of Health Plan Hawaii membership to HMSA as a line of business was completed as of January 1, 2002.

6/ Queen's Hawaii Care only. Queen's Island Care and Queen's Preferred Plan ceased operations effective April 1, 2001.

7/ Queen's Health Care ceased operations effective June 30, 2002. Data are for persons covered on June 30, 2002 and membership dues up to June 30, 2002.

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 1999 TO 2001

[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	
	1999	2000	2001	1999-2000	2000-2001
Percent not covered 1/	10.3	10.1	9.6	9.8	9.5
Standard error	1.3	1.3	0.4	0.8	0.7
Rank 2/	3/ 15	12	4/ 11	3/ 13	11

1/ The 2001 annual U.S. percentage was 14.6. The 2000-2001 U.S. two-year moving average percentage was 14.4.

2/ Among 50 states, with lowest percentage ranking 1.

3/ Tied with another state.

4/ Tied with two other states.

Source: U.S. Census Bureau, "Health Insurance Coverage: 2001" (September 2002) <http://www.census.gov/hhes/www/hlthins.html> accessed December 31, 2002.

Table 15.13-- AVERAGE EXPENDITURES AND PREMIUMS FOR PERSONAL AUTOMOBILE INSURANCE, FOR THE UNITED STATES AND HAWAII: 1996 TO 2000

Year	Average expenditures 1/			Combined average premiums 2/		
	United States (dollars)	Hawaii		United States (dollars)	Hawaii	
		Average (dollars)	Rank 3/		Average (dollars)	Rank 3/
1996	4/ 691.48	958.69	4	4/ 785.18	1,096.01	4
1997	4/ 705.95	912.36	4	4/ 802.83	1,038.02	4
1998	4/ 703.89	797.49	11	4/ 801.65	919.73	9
1999	4/ 684.54	4/ 699.99	4/ 16	4/ 783.48	4/ 833.73	4/ 14
2000	686.71	700.09	17	785.80	811.50	17

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 average expenditure and combined average premium ranked 1.

4/ Revised.

Source: National Association of Insurance Commissioners, *State Average Expenditures & Premiums for Personal Automobile Insurance in 2000* (July 2002), tables 2 and 3.

Table 15.14-- FIRES, DEATHS, AND LOSSES REPORTED BY COUNTY FIRE DEPARTMENTS: 1998 TO 2002

[Years ended June 30]

Subject and year	State total	Honolulu	Hawaii	Kauai	Maui
Number of fires:					
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
2002	4,435	2,797	904	227	507
Fire deaths:					
1998	13	12	-	1	-
1999	2	2	-	-	-
2000	3	2	1	-	-
2001	3	2	-	-	1
2002	4	4	-	-	-
Fire losses ($1,000):					
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
2002	16,214	9,940	4,212	631	1,431

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: 1991 TO 2001

[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
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
2001	441,856	3,136,371	12,684,140	30,175	15,802	6,133

Year	Number of establishments by employment-size class 2/--Con.						
	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 or more
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
2001	3,998	2,651	957	446	116	47	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); publications for 1993 through 2001 at <http://www.census.gov/prod/www/abs/cbptotal.html> accessed April 10, 2003.

Table 15.16-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, BY COUNTIES: 2000 AND 2001

[Excludes government employees and self-employed persons]

Year and county	Number of establish-ments 1/	Number of employ-ees 2/	Payroll ($1,000)	
			First quarter	Annual
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
2001				
State total	30,175	441,856	3,136,371	12,684,140
Hawaii	3,688	46,711	287,354	1,167,521
Honolulu	20,801	320,461	2,384,696	9,624,432
Kauai	1,731	20,529	119,503	485,501
Maui	3,955	54,155	344,818	1,406,686

1/ Data refer to establishments active anytime during the year.

2/ For week including March 12.

Source: U.S. Census Bureau, *County Business Patterns 2000, Hawaii,* CBP/00-13 (May 2002), table 5 and *County Business Patterns 2001, Hawaii,* CBP/01-13 (April 2003), table 5 <http://www.census.gov/prod/www/abs/cbptotal.html> accessed April 10, 2003.

Table 15.17-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, BY MAJOR GROUP: 2001

[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 establish-ments 1/	Number of employees 2/	Annual payroll ($1,000)
	Total	30,175	441,856	12,684,140
11	Forestry, fishing, hunting and agricultural support	52	519	9,744
21	Mining	11	(C)	(D)
22	Utilities	47	2,512	165,597
23	Construction	2,385	24,238	1,071,113
31-33	Manufacturing 3/	940	15,221	463,160
311	Food manufacturing	249	5,661	136,670
315	Apparel manufacturing	110	1,600	29,697
323	Printing & related support acitivities	111	1,310	40,743
42	Wholesale trade	1,803	19,673	651,572
44-45	Retail trade 3/	5,012	64,822	1,342,278
448	Clothing and clothing acessories stores	1,326	11,693	200,306
48-49	Transportation & warehousing	708	23,278	732,711
51	Information	575	9,333	396,688
52	Finance & insurance	1,373	18,104	808,711
53	Real estate & rental & leasing	1,829	14,535	452,570
54	Professional, scientific & technical services	2,838	19,500	852,402
55	Management of companies & enterprises	223	5,498	261,610
56	Admin., support, waste mgt., remediation	1,751	34,208	751,384
61	Educational services	444	13,870	354,502
62	Health care and social assistance 3/	3,086	51,024	1,849,702
621	Ambulatory health care services	2,418	18,596	817,449
71	Arts, entertainment & recreation	498	10,628	181,573
72	Accommodation & food services	3,036	85,949	1,648,747
81	Other services (except public admin.)	3,226	24,024	513,081
95	Auxiliaries (except corporate, subsidiary & regional mgt.)	88	4,466	164,127
99	Unclassified establishments	250	(E)	(D)

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 2001, Hawaii,* CBP/01-13 (April 2003), table 1 <http://www.census.gov/prod/www/abs/cbptotal.html> accessed April 10, 2003.

Table 15.18-- CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, BY EMPLOYMENT-SIZE CLASS: 2000 AND 2001

[Excludes government employees and self-employed persons]

Employment-size class	Number of establishments		Number of employees		Annual payroll ($1,000)	
	2000	2001	2000	2001	2000	2001
Total	29,853	30,175	432,092	441,856	12,331,233	12,684,140
1 to 4	15,658	15,802	28,336	28,432	917,931	931,665
5 to 9	6,063	6,133	39,995	40,493	1,025,466	1,066,895
10 to 19	4,067	3,998	54,739	53,583	1,443,517	1,414,942
20 to 49	2,494	2,651	75,509	80,049	1,949,302	2,100,403
50 to 99	953	957	64,904	65,599	1,746,385	1,785,691
100 to 249	430	446	63,503	66,414	1,876,246	1,946,952
250 to 499	121	116	40,182	39,182	1,158,651	1,184,576
500 to 999	42	47	28,307	31,212	891,790	986,545
1,000 or more	1/ 25	2/ 25	36,617	36,892	1,321,945	1,266,471

1/ 1,000-1,499 employees, 17 establishments; 1,500-2,499 employees, 7 establishments; 2,500-4,999 employees, 1 establishment.

2/ 1,000-1,499 employees, 19 establishments; 1,500-2,499 employees, 4 establishments; 2,500-4,999 employees, 2 establishments.

Source: U.S. Census Bureau, *County Business Patterns 2000, Hawaii, CBP/00-13* (May 2002), pp. 3, 26, and 31 and *County Business Patterns 2001, Hawaii,* CBP/01-13 (April 2003), pp. 3, 26, and 31 <http://www.census.gov/prod/www/abs/cbptotal.html> accessed April 10, 2003.

Table 15.19-- BUSINESS CLIMATE INDEXES: 1998 TO 2002

Index	1998	1999	2000	2001		2002	
				Index	Rank	Index	Rank
Economic performance	F	D	D	D	37	D	39
Business vitality	F	F	F	F	48	D	41
Development capacity	B	C	D	F	46	D	37

Source: Corporation for Enterprise Development, *Development Report Card for the States* (annual) <http://drc.cfed.org> accessed December 30, 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: 1999 TO 2002

[Excludes eleemosynary corporations]

Subject	1999	2000	2001	2002
Domestic (Hawaii) corporations:				
Formed 1/	2,672	2,661	2,923	2,810
Dissolved or merged 2/	3,243	3,414	3,295	1,095
On record, June 30 3/	37,612	37,038	37,565	35,389
Foreign (non-Hawaii) corporations:				
Qualified 1/	935	1,001	876	803
Withdrawn, merged, or cancelled 2/	513	424	974	638
On record, June 30 3/	7,890	8,323	8,164	7,811
Partnerships:				
Registered 1/	718	700	628	542
Dissolved or cancelled 2/	1,100	1,003	936	235
On record, June 30 3/	7,628	7,329	7,068	8,831
Domestic (Hawaii) Limited Liability Companies:				
Formed 1/	1,379	1,940	2,332	2,972
Dissolved or merged 2/	11	6	270	235
On record, June 30 3/	2,553	4,447	6,529	8,831
Foreign (non-Hawaii) Limited Liability Companies:				
Qualified 1/	267	239	322	340
Withdrawn or merged 2/	7	25	65	86
On record, June 30 3/	472	693	958	1,175
Domestic (Hawaii) Limited Liability Partnerships:				
Formed 1/	41	33	46	39
Dissolved or merged 2/	3	10	4	1
On record, June 30 3/	81	103	136	153
Foreign (non-Hawaii) Limited Liability Partnerships:				
Qualified 1/	6	3	-	5
Withdrawn or cancelled 2/	-	-	-	-
On record, June 30 3/	14	17	18	20

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: 2000

[Includes all active private-for-profit businesses in Hawaii except insurance underwriters who pay the insurance premium tax. Inactive businesses, defined as those with no income and no expenses other than those to maintain licenses and to file tax returns, were not included]

Subject	Total	Corpora-tions 1/	Partner-ships	Proprie-tors 2/
Number of businesses	166,866	25,919	6,574	134,373
1st Taxation District (Oahu)	115,376	19,635	4,890	90,851
2nd Taxation District (Maui, Molokai, Lanai)	20,121	2,676	749	16,696
3rd Taxation District (Hawaii)	22,371	2,699	624	19,048
4th Taxation District (Kauai, Niihau)	8,998	909	311	7,778
Businesses with $1 million or more in business receipts	5,882	4,960	665	257
Business receipts ($1,000)	70,955,512	59,122,978	7,672,164	4,160,370
Businesses with net profit	91,294	11,740	3,748	75,806
Amount of net profit ($1,000)	4,426,169	2,225,503	1,134,577	1,066,088
Businesses with net loss	67,741	7,611	2,632	57,498
Amount of net loss ($1,000)	3,115,892	1,903,225	803,123	409,543

1/ First-time inclusion of financial corporations that file Form F-1. There were 114 financial corporations which were included for the first time: 104 in the 1st Taxation District; 4 in the 2nd Taxation District; 3 in the 3rd Taxation District; and 3 in the 4th Taxation District.

2/ First-time inclusion of rental proprietors that file federal Schedule E. There were 53,770 rental proprietorships which were included for the first time: 39,778 in the 1st Taxation District; 6,071 in the 2nd Taxation District; 5,270 in the 3rd Taxation District; and 2,651 in the 4th Taxation District.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns: Businesses 2000* (July 2002).

Table 15.23-- LARGEST PUBLIC AND PRIVATE COMPANIES: 2002

[Data may include sales and employment on the Mainland or abroad]

Rank in sales	Company	Year founded 1/	Sales (million dollars)	Employees
1	BancWest Corp.	1858/1974	1,992.0	7,753
2	Tesoro Hawaii Corp.	1904	1,688.0	640
3	Hawaiian Electric Industries Inc.	1891/1983	1,654.0	3,220
4	Hawaii Medical Service Assn. (HMSA)	1938	1,590.0	1,497
5	Alexander & Baldwin Inc.	1870/1900	1,088.9	2,025
6	Bank of Hawaii Corp. 2/	1897	716.5	2,891
7	Kaiser Permanente Medical Care Program	1958	632.0	3,663
8	Hawaiian Airlines Inc.	1929	632.0	3,491
9	Hawaii Pacific Health	2001	550.0	5,449
10	Verizon Hawaii	1883	530.6	2,100

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 or it was year of incorporation.

2/ Previously ranked as Pacific Century Financial Corp.

Source: "The Hawaii Business Top 250," *Hawaii Business,* August 2003, p. 54.

Table 15.24-- NET INCOME OR LOSS AND TOTAL REVENUES OF SELECTED COMPANIES: 2001 AND 2002

[Based on 2002 ranks for reporting companies]

Company	Net income or loss ($1,000)		Sales ($1,000,000)	
	2001	2002	2001	2002
Largest net incomes:				
BancWest Corp.	254,804	361,332	1,632.0	1,992.0
Bank of Hawaii Corp. 1/	117,795	121,180	1,280.9	716.5
Hawaiian Electric Industries Inc.	83,705	118,217	1,727.0	1,654.0
Largest net losses:				
Hawaiian Airlines Inc.	(5,069)	(58,300)	611.5	632.0

1/ Previously ranked as Pacific Century Financial Corp.
Source: "The Hawaii Business Top 250," Hawaii Business, August 2003, p. 101.

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 -- Con.

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)	Employ-ees	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	Percent women-owned
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

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

INFORMATION AND COMMUNICATIONS

This section presents statistics on the usage, finances, and operations of the Postal Service and of various information and 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 information and communications are the reports and records of the U.S. Postal Service, Federal Communications Commission, Hawaii State Department of Commerce and Consumer Affairs, and the U.S. Census Bureau. 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: 2002*, Section 24.

Table 16.01-- INFORMATION ESTABLISHMENTS: 2001

[Excludes most government employees and self-employed persons]

NAICS code	Industry	No. of establish-ments	No. of employees for week including March 12 1/	Annual Payroll ($1000)
51	Information	575	9,333	396,688
511	Publishing industries	102	H	D
51111	Newspaper publishers	25	G	D
51112	Periodical publishers	36	344	13,401
51113	Book publishers	11	B	D
51114	Database and directory publishers	5	B	D
51119	Other publishers	10	B	D
5112	Software publishers	15	B	D
5121	Motion picture & video industries	109	G	D
5122	Sound recording industries	13	B	D
513	Broadcasting & telecommunications	246	4,583	222,987
5131	Radio & television broadcasting	34	F	D
5132	Cable networks & program distribution	18	F	D
5133	Telecommunications	194	3,181	162,510
51331	Wired telecommunications carriers	103	1,910	100,501
51332	Wireless telecom carriers (exc. satellite)	87	G	D
5141	Information services	51	E	D
5142	Data processing services	54	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,
H 2,500 to 4,999.

Source: U.S. Census Bureau, *County Business Patterns Hawaii: 2001,* CBP-01-13 (April 2003), table 2 <http://www.census.gov/prod/2003pubs/01cbp/cbp01-13.pdf> accessed May 15, 2003.

Table 16.02-- STATISTICAL SUMMARY FOR INFORMATION INDUSTRIES: 1997

NAICS code	Kind of business	Establish-ments (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, 2002

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	37	24	11	-	34	29
Hawaii	32	9	12	4	-	2	5
Maui	14	9	1	-	-	2	2
Lanai	1	-	1	-	-	-	-
Molokai	5	1	-	4	-	-	-
Oahu	63	13	3	1	-	27	19
Kauai	20	5	7	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-- POSTAL SERVICE: 1997 TO 2002

[Years ended September 30]

Subject	1997	1998	1999	2000	2001	2002
Post offices, September 30	72	72	72	72	72	72
Stations, September 30 1/	59	58	61	63	63	63
Gross postal receipts ($1,000)	172,714	171,816	174,958	176,923	179,182	180,761
Pieces of mail 2/ (millions)	549	556	560	551	542	540

1/ Includes both classified and contract stations (see preceding table).
2/ Originating in Hawaii.
Source: U.S. Postal Service, Honolulu District, records.

Table 16.05-- TELEPHONE STATISTICAL SUMMARY: 1995 TO 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 16.06-- TELEPHONE ACCESS LINES, BY ISLANDS AND TYPE: 1992 TO 2000

[As of December 31. Access lines represent the lines connecting customers to the network regardless of the ownership of the customer premises equipment. Business access includes key and coin system lines]

Year	Switched access lines	Oahu	Other islands	Residence	Business
1992	628,222	455,143	173,079	417,595	210,627
1993	648,444	467,858	180,586	429,652	218,792
1994	666,233	477,888	188,345	439,104	227,129
1995	684,820	490,685	194,135	447,188	237,632
1996	705,302	502,745	202,557	454,574	250,728
1997	719,787	509,336	210,451	461,430	258,357
1998 1/	731,519	512,607	218,912	468,218	263,301
1999 1/	737,653	510,591	227,062	473,299	264,354
2000 1/	741,843	507,729	234,114	475,735	266,108

1/ Verizon is not the sole provider of telephone access lines.
Source: Verizon Hawaii, records.

Table 16.07-- TELEPHONE ACCESS LINES, NON-LIST AND NON-PUBLISHED NUMBERS IN SERVICE: 1997 TO 2000

[Data include both residence and business telephone numbers]

Category	1997	1998	1999	2000
Access lines	719,787	731,519	737,653	741,843
Non-list and non-published	235,818	238,160	242,916	249,533
Non-list 1/	2,236	2,056	1,936	2,042
Non-published 2/	233,582	236,104	240,980	247,491

1/ Numbers that are not published in the telephone directory but are available via directory assistance.
2/ Numbers that are not published in the telephone directory and are not available via directory assistance.
Source: Verizon Hawaii, records.

Table 16.08-- HAWAIIAN TELEPHONE COMPANY OPERATIONS: 1996 TO 2000

Subject	1996	1997	1998	1999	2000
Operating revenues ($1,000)	634,921	642,357	671,300	679,100	638,700
Operating expenses ($1,000)	518,142	502,275	523,700	495,000	468,800
Net income ($1,000)	54,701	60,998	72,900	96,800	85,300
Net investment in property, plant, and equipment ($1,000)	822,473	845,352	854,200	835,300	775,000
Total assets ($1,000)	1,200,985	1,306,113	1,328,400	1,357,400	1,426,800
Access lines 1/	826,619	861,079	919,683	994,456	2/ 919,428
Number of employees 1/	2,911	2,897	2,980	2,589	2,400

1/ Includes Micronesian Telecomunications Corporation.
2/ Change in definition / composition.
Source: Verizon Hawaii, records.

Table 16.09-- HAWAIIAN TELEPHONE COMPANY RATES FOR SPECIFIED TYPES OF SERVICE, FOR HONOLULU: 1990 TO 2000

[In dollars. As of July 1. Including state and federal excise taxes where applicable]

Year	Local call, pay phone	Honolulu to Hilo		Honolulu to California 3/		Monthly charge, indiv. resident line 4/
		Direct dialing 1/	Through operator 2/	Direct dialing 1/	Through operator 2/	
1990	0.25	0.98	2.00	0.78	3.50	20.31
1991	0.25	1.35	2.00	0.75	2.50	20.28
1992	0.25	0.94	2.00	0.75	2.58	20.27
1993	0.25	0.94	2.14	0.75	2.80	21.37
1994	0.25	0.94	2.14	(NA)	(NA)	22.19
1995	0.25	0.84	2.04	0.84	4.04	22.86
1996	0.25	0.85	2.04	(NA)	(NA)	20.60
1997	0.25	0.42	1.62	(NA)	(NA)	20.96
1998	0.35	0.42	1.62	(NA)	(NA)	21.05
1999	0.35	0.42	1.62	(NA)	(NA)	20.79
2000	0.35	0.42	1.62	(NA)	(NA)	22.34

NA Not available.

1/ Daytime calls, first three minutes.

2/ Station-to-station operator-handled daytime weekday calls, first three minutes.

3/ AT&T Communications, Inc., rates quoted for Honolulu to California calls.

4/ Includes for 2000 basic phone rate ($14.40), interstate subscriber line charge ($5.00), Telecommunications Relay Service surcharge ($0.07), E911 surcharge ($0.27), Service Provider Number Portability fee ($0.36), and intrastate surcharge, federal excise tax, PUC service fee, and state general excise tax ($2.24).

Source: Verizon Hawaii, records.

Table 16.10-- CELLULAR TELEPHONE COMPANY REVENUES, BY ISLANDS: 1989 TO 2002

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	294,563	(NA)	(NA)	(NA)	(NA)
2002	13	1/				

NA Not available, due to confidentiality of these reports.

1/ Annual Utility Financial Reports are due on March 31, 2003. Additional extension until July 31, 2003, may also be requested.

Source: Hawaii State Public Utilities Commission, records.

Table 16.11-- PERCENT OF HOUSEHOLDS WITH A TELEPHONE, COMPUTER, AND INTERNET USE: 1997, 1998, AND 2000

Year	Telephone		Computer		Internet use	
	U.S.	Hawaii	U.S.	Hawaii	U.S.	Hawaii
1997	93.8	94.1	36.6	34.6	18.6	(NA)
1998	94.1	93.2	42.1	42.3	26.2	27.9
2000	(NA)	(NA)	51.0	52.4	41.5	43.0

NA Not available.

Source: National Telecommunications and Information Administration, *Falling Through the Net: Defining the Digital Divide* , July 8, 1999 and *Falling Through the Net II: New Data on the Digital Divide* , July 1998; http://www.ntia.doc.gov/ntiahome/digitaldivide; Falling Through the Net: Toward Digital Inclusion, October 2000 <http://www.ntia.doc.gov/ntiahome/fttn00/Falling.htm>.

Table 16.12-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS, AND REVENUES, BY COUNTIES: 2000 TO 2002

County	Number of systems 1/			Subscribers			Basic service revenue ($1000)		
	2000	2001	2002	2000	2001	2002	2000	2001	2002
State total	9	9	9	363,801	368,424	379,664	112,831	123,083	130,675
Hawaii	3	3	3	34,974	36,436	39,753	13,717	14,482	15,016
Maui	3	3	3	47,695	48,442	49,202	14,409	15,761	16,809
Honolulu	1	1	1	262,681	264,871	269,681	78,158	85,830	91,301
Kauai	2	2	2	18,451	18,675	21,028	6,547	7,010	7,549

1/ Two companies to the end of 2001, thereafter only one company.
Source: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division, records.

Table 16.13-- RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, 1925 TO 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	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 16.14-- TELEVISION HOUSEHOLDS, BY GEOGRAPHIC AREA: 1998 AND 1999

Subject	January 1998			January 1999		
	State total	Oahu	Other islands	State total	Oahu	Other islands
All households	394,400	(NA)	(NA)	(NA)	(NA)	(NA)
With television	381,820	277,410	104,410	385,790	280,660	105,130
Percent	96.8	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.
Source: Hawaii Public Television, *Nielsen Station Index.*

Table 16.15-- HOUSEHOLDS AND PERSONS VIEWING TELEVISION BY TIME OF DAY: 1995 TO 1999

[In thousands. Mean number of viewers, Sunday through Saturday]

Year and month	Sign-on to sign-off 7 A.M. to 1 A.M.		Prime time 6:30 P.M. to 10 P.M.	
	Households 1/	Persons 2/	Households 1/	Persons 2/
1995: Feb.	170	331	107	187
May	139	276	82	143
Nov.	158	299	112	188
1996: Feb.	155	288	102	177
May	130	244	75	123
Nov.	146	277	84	133
1997: Feb.	159	299	101	177
May	142	255	78	122
Nov.	133	220	77	110
1998: Feb.	131	242	69	110
May	145	264	80	132
Nov.	130	220	74	110
1999: Feb.	135	252	88	143
May	130	231	82	121
Nov.	112	198	59	88

1/ Average number with a TV set turned on.
2/ Average number of persons, 2 years and older, in TV households that are viewing any station.
Source: Hawaii Public Television, *Nielsen Station Index* .

Table 16.16-- NUMBER OF DAILY NEWSPAPERS, BY PLACE OF PUBLICATION AND LANGUAGE: 1975 TO 1999

[The earliest daily newspaper in Hawaii, *The Daily Hawaiian Herald*, first appeared September 4, 1866 and was discontinued December 21, 1866. Permanent dailies were initially published in 1882. Five-year statistics from 1885 to 1975 appear in *Historical Statistics of Hawaii* (1977), table 18.5].

Subject	1975	1980	1985	1990	1995	1999
Totals	7	6	9	9	10	10
Language:						
Chinese	2	1	1	1	1	1
English	3	3	6	6	6	6
Hawaiian	-	-	-	-	-	-
Japanese 1/	2	2	1	1	1	1
Korean	-	-	1	1	2	3
Place of publication:						
Honolulu, Oahu	6	5	5	5	6	7
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 16.17-- NUMBER OF NEWSPAPERS, TOTAL AND DAILY: 1834 TO 2000

Year	Total	Daily	Year	Total	Daily
1834 1/	2	-	1920	56	11
1835	1	-	1925	52	7
1840	2	-	1930	61	6
1845	5	-	1935	62	8
1850	4	-	1940	70	7
1855	5	-	1945	82	8
1860	9	-	1950	91	7
1865	5	-	1955	100	7
1870	11	-	1960	102	7
1875	7	-	1965	102	7
1880	10	-	1970	132	7
1885	20	4	1975	140	7
1890	20	5	1980	152	6
1895	35	7	1985	140	9
1900	43	8	1990	149	9
1905	50	11	1995	152	10
1910	54	7	2000	135	10
1915	48	8			

1/ The two earliest newspapers in Hawaii were both established in 1834.

Source: 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 16.18-- AVERAGE PAID CIRCULATION OF DAILY AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 1998-1999 TO 2001-2002

[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	1998-99	1999-2000	2000-2001	2001-2002
Daily				
The Honolulu Advertiser 1/	104,602	107,495	150,277	151,188
Honolulu Star-Bulletin 2/	67,124	63,480	(NA)	(NA)
Hawaii Tribune-Herald (Hilo) 3/	19,069	(NA)	20,213	(NA)
West Hawaii Today (Kailua-Kona) 3/	11,667	11,206	12,146	12,358
Maui News (Wailuku) 4/	16,970	17,225	18,959	(NA)
Garden Island (Lihue) 5/	8,790	8,379	8,478	7,989
Sunday morning				
The Honolulu Advertiser	188,556	187,277	170,009	171,674
Honolulu Star Bulletin	(X)	(X)	(NA)	(NA)
Hawaii Tribune-Herald (Hilo)	22,851	(NA)	23,780	(NA)
West Hawaii Today (Kailua-Kona)	14,610	14,617	16,069	16,130
Maui News (Wailuku)	24,220	24,365	24,563	(NA)
Garden Island (Lihue)	9,395	9,210	9,461	9,267

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 editon began on March 10, 2001.

5/ Afternoon, Monday through Friday. As of September 2000, a Saturday morning edition. As of October 2001, morning, Monday through Saturday.

Source: Data provided by newspaper publishers to Hawaii State Department of Business, Economic Development & Tourism.

Table 16.19-- POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU: 1990 TO 2003

[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
2003	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 U.S. Census Bureau, *Statistical Abstract of the United States: 2002,* table 1094, and U.S. Postal Service, *Domestic Rates and Fees* . Newspaper rates from The Honolulu Advertiser and Oahu Publications.

Table 16.20-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE UNIVERSITY OF HAWAII PRESS: 1991 TO 2002

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
2002	1,854	1,063	93	13	299,272	3,632,013

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, Resources and Technology 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: 2002*, Sections 16 and 19.

Table 17.01-- CONSUMPTION OF ENERGY, BY SOURCE (PHYSICAL UNITS): 1960 TO 2000

Year	Coal 1/ (1,000 short tons)	Natural gas 2/ (billion cubic feet)	Petroleum (1,000 barrels)	Hydroelectric power 3/ (million kWh)
1960	0	0	16,844	27
1965	0	0	22,478	105
1970	0	0	34,105	108
1975	0	0	37,097	89
1980	0	3	43,562	86
1985	46	2	40,091	86
1990	4/ 29	3	48,714	4/ 5/ 80
1991	4/ 45	3	45,606	71
1992	4/ 303	3	44,439	61
1993	4/ 691	3	38,814	56
1994	4/ 704	3	41,396	4/ 139
1995	4/ 895	3	40,947	98
1996	4/ 930	3	38,811	4/ 104
1997	4/ 912	3	37,134	115
1998	4/ 843	3	38,159	121
1999	4/ 801	3	37,031	4/ 115
2000	816	3	38,501	103

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/ Revised.

5/ There is a discontinuity between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

Source: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 2000* <http://www.eia.doe.gov/emeu/states/sep_use/total/pdf/use_all.pdf> table 7 accessed August 11, 2003.

Table 17.02-- CONSUMPTION OF ENERGY, BY SOURCE (TRILLION BTU): 1960 TO 2000

Year	Coal 1/	Natural gas 2/	Petro-leum	Hydro-electric power 3/	Wood and waste 1/	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	6/ 0.8	7/ 22.2	6/ 7/ 1.1	6/ 7/ 312.2
1991	7/ 1.1	2.9	265.6	0.7	7/ 21.7	1.4	7/ 293.3
1992	7/ 6.8	2.9	258.8	0.6	7/ 21.3	1.3	7/ 291.6
1993	7/ 15.6	2.8	224.0	0.6	7/ 20.9	7/ 4.5	7/ 268.4
1994	7/ 15.7	2.9	237.2	7/ 1.4	7/ 18.0	7/ 5.2	7/ 280.5
1995	7/ 19.9	2.9	234.7	1.0	7/ 17.2	6.3	7/ 282.0
1996	7/ 20.4	2.8	221.4	1.1	16.0	7/ 6.6	7/ 268.2
1997	7/ 20.0	2.7	213.7	1.2	7/ 15.4	7/ 6.6	7/ 259.7
1998	7/ 18.7	2.8	218.9	7/ 1.2	7/ 14.3	6.5	7/ 262.4
1999	7/ 17.7	2.9	213.7	1.2	7/ 14.7	6.0	7/ 256.2
2000	17.7	3.0	222.3	1.1	13.8	7.1	264.8

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/ 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 are included in the total but not in any other columns.

6/ There is a discontinuity between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

7/ Revised.

Source: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 2000* <http://www.eia.doe.gov/emeu/states/sep_use//total/pdf/use_all.pdf> table 7 accessed August 11, 2003.

Table 17.03-- CONSUMPTION OF ENERGY BY END-USE SECTOR (TRILLION BTU): 1960 TO 2000

[Includes electricity sales and associated electrical system energy losses]

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
2000	23.7	25.7	88.7	126.7	(NA)

NA Not available.

Source: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 2000* <http://www.eia.doe.gov/emeu/states/sep_use/total/pdf/use_all.pdf> table S1 accessed August 11, 2003.

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: 1992 TO 2002

Year	Customers, Dec. 31			Power sold (1,000 kWh)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
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
2002	441,323	380,608	60,715	9,958,768	2,921,563	7,037,206

Year	Average annual use (kWh 2/)		Average rate (dollars per kWh)		Revenues ($1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
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
2002	7,676	115,906	0.15703	0.12508	1,338,980	458,781	880,199

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 17.10-- ELECTRIC UTILITIES, BY ISLANDS: 2002

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	441,323	380,608	60,715	(X)	9,958,768	2,921,563	7,037,206
Oahu	283,161	249,896	33,265	1,250	7,390,367	2,002,655	5,387,711
Hawaii	66,411	55,369	11,042	182.2	995,198	377,022	618,176
Kauai	31,768	24,364	7,404	72.1	414,487	143,260	271,227
Maui County	59,983	50,979	9,004	(X)	1,158,717	398,625	760,092
Lanai	1,519	1,310	209	4.9	27,036	7,358	19,678
Maui	55,504	47,253	8,251	193.9	1,096,739	378,828	717,911
Molokai	2,960	2,416	544	6.6	34,942	12,439	22,503

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	7,676	115,906	0.15703	0.12508	1,338,980	458,781	880,199
Oahu	8,014	161,963	0.13859	0.10915	865,608	277,549	588,059
Hawaii	6,809	55,984	0.21082	0.18135	191,589	79,483	112,106
Kauai	5,880	36,632	0.22679	0.21482	90,754	32,489	58,265
Maui County	7,819	84,417	0.17375	0.16020	191,030	69,260	121,769
Lanai	5,617	94,152	0.22445	0.22480	6,075	1,652	4,424
Maui	8,017	87,009	0.17119	0.15684	177,446	64,851	112,596
Molokai	5,149	41,366	0.22173	0.21110	7,508	2,758	4,750

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.

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: 1992 TO 2002

[Excludes bottled gas]

Year	Customers, Dec. 31			Gas sold (1,000 therms)		
	Total	Residential 1/	Other	Total	Residential 1/	Other
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
2002	36,236	32,629	3,607	33,974	5,357	28,617

Year	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues ($1,000)		
	Residential 1/	Other	Residential 1/	Other	Total	Residential 1/	Other
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
2002	164	7,934	2.87341	1.50635	58,500	15,393	43,107

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: 2002

[Excludes bottled gas]

County or island	Customers, December 31			Gas sold (1,000 therms)		
	Total	Residen-tial 1/	Other	Total	Residen-tial 1/	Other
State total	36,236	32,629	3,607	33,974	5,357	28,617
Oahu	33,446	30,202	3,244	30,852	4,962	25,890
Hawaii	1,638	1,350	288	2,182	226	1,956
Kauai	672	672	-	87	87	-
Maui	400	325	75	839	68	771
Molokai	80	80	-	14	14	-
Lanai	-	-	-	-	-	-

County or island	Average annual use (therms) 2/		Average rate (dollars per therm)		Revenues ($1,000)		
	Residen-tial 1/	Other	Residen-tial 1/	Other	Total	Residen-tial 1/	Other
State total	164	7,934	2.87341	1.50635	58,500	15,393	43,107
Oahu	164	7,981	2.83563	1.51237	53,226	14,071	39,155
Hawaii	167	6,792	3.57301	1.48059	3,704	808	2,896
Kauai	129	-	3.34332	-	289	289	-
Maui	210	10,281	2.71343	1.36960	1,241	185	1,056
Molokai	177	-	2.84208	-	40	40	-
Lanai	-	-	-	-	-	-	-

1/ Residential refers to single-metered residential customers which may include condominiums for visitor use but excludes master-metered apartment and condominium buildings used by residents which are classified as commercial customers.

2/ Based on number of customers at end of year.

Source: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy, records.

Table 17.13-- SERVICE PROVIDED BY HAWAIIAN ELECTRIC COMPANY, INC., ON OAHU: 1991 TO 2002

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	Residen-tial 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
2002	283,161	249,896	7,757,699	7,390,367	8,050	0.13859	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 2002

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
2002	33,446	30,202	30,852	4,962	164

1/ Includes liquefied petroleum gas.
Source: The Gas Company, records.

Table 17.15-- LIQUID FUEL TAX BASE: 1991 TO 2002

[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
2002	989,941	646,185	429,613	175,096	36,157

Year reported	Liquefied petroleum gas		Aviation fuel	Small boats		Other fuel 1/
	Off-hwy.	Hwy. use		Gasoline	Diesel oil	
1991	3,575	780	729,378	52	724	(NA)
1992	3,644	532	711,402	48	102	(NA)
1993	3,343	477	599,691	35	349	(NA)
1994	3,210	566	661,608	60	198	(NA)
1995	3,096	514	685,443	50	395	(NA)
1996	3,249	413	558,969	50	228	(NA)
1997	3,587	328	370,433	41	164	(NA)
1998	3,280	383	357,450	9	151	(NA)
1999	3,326	360	347,602	4	119	(NA)
2000	3,250	332	368,867	2	35	(NA)
2001	3,783	310	335,897	9	47	(NA)
2002	4,991	267	343,756	5	40	16

NA Not available.

1/ Maui only.

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: 2002

[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	989,941	655,109	145,548	114,995	74,289
Gasoline	429,613	275,574	59,380	68,711	25,948
Diesel oil, non-hwy.	175,096	81,584	36,566	18,615	38,331
Diesel oil, hwy. use	36,157	20,969	4,839	8,993	1,355
Liq. pet. gas, off hwy.	4,991	4,499	167	274	51
Liq. pet. gas, hwy. use	267	233	19	4	12
Small boats, gasoline	5	5	-	-	-
Small boats, diesel oil	40	4	-	36	-
Aviation fuel	343,756	272,241	44,561	18,361	8,593
Other fuel	16	-	16	-	-

Source: Hawaii State Department of Taxation, Tax Research & Planning, "Liquid Fuel Tax Base and Tax Collections, Calendar Year Ending December 31, 2002" (annual release).

Table 17.17-- GASOLINE STATIONS WITH PAYROLL, BY COUNTIES

[Excludes most government employees and self-employed persons]

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
1999 2/	334	206	63	19	46
2000 2/	328	207	61	20	40
2001 2/	322	204	61	17	40

1/ SIC 554.
2/ NAICS 447.

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; U.S. Census Bureau, *County Business Patterns Hawaii: 2001,* CPB-01-13 (April 2003), tables 1 and 6 <http://www.census.gov/prod/2003pubs/01cbp/cbp01-13.pdf> accessed May 15, 2003.

Table 17.18-- BOILERS AND PRESSURE VESSELS, BY ISLANDS: DECEMBER 31, 2002

Island	Total	Power boilers	Heating boilers	Pressure vessels
State total	537	2,481	6,737	9,755
Hawaii	83	319	937	1,339
Maui	78	310	862	1,250
Lanai	4	14	33	51
Molokai	7	25	42	74
Oahu	322	1,697	4,490	6,509
Kauai	43	116	373	532

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-- FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT AND FOR R&D PLANT IN HAWAII: 1995 TO 2000

[Millions of dollars. For fiscal years ended September 30]

Type of obligation	1995	1996	1997	1998	1999	2000
R&D	139.3	147.6	150.7	164.5	198.8	209.7
R&D plant	0.5	1.7	3.0	1.5	9.3	1.8

Source: National Science Foundation/Division of Science Resources Statistics, *Federal Funds for Research and Development: Fiscal Years 2000, 2001 and 2002* , tables C-110a and C-111a.

Table 17.21-- CHARACTERISTICS OF THE PRIVATE TECHNOLOGY SECTOR

Category and year	Total private sector	Private technology				
		All categories	Bio-technology	Information technology	Research development & tech education	Tele-communi-cations
Operating units						
1996	31,253	741	19	415	140	167
1997	31,182	756	20	441	138	157
1998	31,253	806	24	469	149	164
1999	31,257	881	27	527	146	181
2000	33,554	1,056	31	664	167	194
2001	34,288	1,152	37	733	173	209
Average paid employment						
1996	427,676	10,607	140	2,372	1,772	6,323
1997	426,968	11,110	206	2,650	1,693	6,561
1998	426,255	12,031	509	3,200	1,596	6,727
1999	429,179	12,417	601	3,584	1,636	6,598
2000	443,220	13,016	656	4,026	1,800	6,534
2001	446,107	13,553	913	4,416	1,819	6,405
Total wages ($million)						
1996	11,208	435.1	4.2	97.3	63.5	270.0
1997	11,516	285.4	5.9	122.4	61.7	285.4
1998	11,791	534.4	13.1	160.8	67.2	293.2
1999	12,084	581.7	15.6	188.4	69.6	308.1
2000	12,933	646.2	22.5	221.9	80.8	321.1
2001	13,293	688.0	27.1	247.8	90.7	322.3
Average annual wage						
1996	26,207	41,019	31,161	41,034	35,839	42,705
1997	26,973	42,758	28,455	46,190	36,445	43,497
1998	27,661	44,414	25,733	50,254	42,133	43,589
1999	28,155	46,893	27,148	52,565	42,540	46,700
2000	29,179	49,649	34,258	55,104	44,882	49,146
2001	29,797	50,762	29,713	56,121	49,876	50,319

Source: Hawaii State Department of Business, Economic Development & Tourism, DBEDT e-Reports "Hawaii's Technology Sector in 2001", November 2002 <http://www.hawaii.gov/dbedt/tech02/index.html> accessed January 14, 2003.

Table 17.22-- SHARE OF TECHNOLOGY SECTOR JOBS, BY COUNTY: 1999 AND 2001

[In percent]

Year	Hawaii	Maui	Honolulu	Kauai	County unknown
1999	7	8	80	4	1
2001	6	8	82	4	< 1

Source: Hawaii State Department of Business, Economic Development & Tourism, DBEDT e-reports "Hawaii's Expanding Tech Sector", May 2001; DBEDT e-Reports "Hawaii's Technology Sector in 2001", November 2002 <http://www.hawaii.gov/dbedt/tech02/index.html> accessed January 14, 2003.

Table 17.23-- 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]

	Total		Research		Non-research	
Fiscal year	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: University of Hawaii, Office of Research Services, *2000-2001 Extramural Awards* (2001), p. i.

Table 17.24-- RESEARCH AND DEVELOPMENT EXPENDITURES AT DOCTORATE-GRANTING INSTITUTIONS: FISCAL YEARS 1991 TO 2001

[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	-
2001	156,976	97,716	33,125	7,232	18,903	-

1/ Revised.

Source: National Science Founcation/SRS, Academic Research and Development Expenditures. Fiscal Year 2001 (NSF 03-316) <http://www.nsf.gov/sbe/srs/nsf03316/pdf/sectb.pdf> accessed September 12, 2003.

Table 17.25-- 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, 2001* (February 2002) <http://www.uspto.gov/web/offices/ac/ido/oeip/taf/cst_all.pdf> accessed July 31, 2003.

Table 17.26-- ASTRONOMY AND RELATED FACILITIES AT THE SUMMITS OF MAUNA KEA AND HALEAKALA: 2003

Facility (mirror diameter in meters)	Capital cost 1/ ($ mil)	Annual operating cost ($ mil)	County based staff	Operational
Mauna Kea observatories:				
UH 0.6-m (Optical)	0.3	2/	2/	1968
UH 2.2-m (Optical/Infrared)	5	1.3	8	1970
Canada-France-Hawaii 3.6-m (Optical/Infrared)	30	6.2	50	1979
NASA IRTF 3.0-m (Infrared)	10	3.2	16	1979
United Kingdom 3.8-m (Infrared)	5	3.0	31	1979
James Clerk Maxwell 15-m Submillimeter	32	5.0	39	1986
Caltech 10.4-m Submillimeter	10	2.6	11	1986
W.M. Keck Observatory (Keck I & II) 10-m x 2 (Optical/Infrared)	170	11.0	115	1992/96
VLBA Antenna 25-m (Radio)	7	0.25	2	1992
Submillimeter Array 8x6-m	80	6.0	36	2003
Subaru (Japan National Large Telescope) 8-m (Optical/Infrared)	170	15.0	70	1999
Fredrick C. Gillett Gemini 8m (Optical/Infrared)	92	8.0	70	1999
Mauna Kea Observatories Support Services	(X)	3/ 2.4	28	(X)
Total	611	61.6	476	
Haleakala observatories:				
Mees Solar Observatory	0.5	0.1	2	1968
Lunar Ranging Facility	3.3	0.7	7	1976/84
Haleakala Observatories Projects	(NA)	0.5	4	1979
Maui Space Surveillance Site (MSSS) 4/	200.0	16.0	120	1979
Advanced Electro-Optical System 3.7-m Telescope (AEOS)	50.0	15.0	55	1997
Magnum 2-m Telescope 5/	5.0	0.25	1	2000
Faulkes 2-m Telescope 6/	5.0	(NA)	(NA)	2003
Haleakala Support Facilities	(X)	0.13	6	(NA)
Total	263.8	32.68	195	

NA Not available.
X Not applicable.
1/ Historical cost, not adjusted for inflation.
2/ Combined budget and staffing with UH 2.2-m telescope.
3/ Not included in the total since derived from facility operating costs.
4/ Formerly Air Force Maui Optical Station (AMOS).
5/ MAGNUM = Multicolor Active Galactic Nuclei Monitoring.
6/ Under construction.
Source: University of Hawaii at Manoa, Institute for Astronomy, records.

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's 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: 2002*, Section 23.

Table 18.01-- HIGHWAY DISTANCES: 2002

Route	Miles
HAWAII	
Hilo-Lyman Field	2.0
Hilo-Kalapana	28.4
Hilo-Mauna Kea summit	39.3
Hilo-Mauna Loa summit	52.4
Hilo-Volcano House	30.7
Hilo-Kailua, via Naalehu	123.0
Hilo-Kailua, via Saddle Rd.	84.0
Hilo-Kailua, via Hamakua	98.1
Hilo-Waimea, via Saddle Rd.	60.9
Hilo-Waimea, via Hamakua	55.7
Hilo-Upolu Pt., via Hamakua	89.6
Hilo-Kawaihae, via Hamakua	67.5
Waimea-Hawi	20.2
Waimea-Kawaihae	10.0
Kawaihae-Hawi	17.3
Kawaihae-Kailua	34.3
Kailua-Keahole Airport	7.3
Kailua-Keauhou	5.7
MAUI	
Wailuku-Kahului	2.3
Wailuku-Kahului Airport	4.2
Wailuku-Hana, via Keanae	53.2
Wailuku-Hana, via Kaupo	59.8
Wailuku-Haleakala summit	38.2
Wailuku-Makena	17.9
Wailuku-Lahaina, via Kahakuloa	38.0
Wailuku-Lahaina, via Olowalu	20.9
Kahului-Kihei	8.2
Lahaina-Wailea	32.4
Lahaina-Napili	8.9
Lahaina-Kaanapali	3.7
LANAI	
Lanai City-Lanai Airport	3.1
Lanai City-Hulopoe	7.5
MOLOKAI	
Kaunakakai-Sheraton Hotel	19.5
Kaunakakai-Maunaloa	16.5
Kaunakakai-Airport	8.0
Kaunakakai-Halawa	27.6
Airport-Sheraton Hotel	11.5
OAHU 1/	
Honolulu-Ala Moana Center	1.5
Honolulu-UH, via King Street	3.2
Honolulu-Waikiki	3.2
Honolulu-Waimanalo, via Koko Head	21.2
Honolulu-Waimanalo, via Nuuanu	16.0
Honolulu-Kailua, via Nuuanu	13.0
Honolulu-Kaneohe, via Kalihi	12.0
Honolulu-Kahuku, via Kahaluu	38.0
Honolulu-Kahuku, via Wahiawa	48.0
Honolulu-Kaena Pt., via Wahiawa	43.4
Honolulu-Kaena Pt., via Waianae	43.7
Honolulu-Wahiawa	23.0
Honolulu-Pearl Harbor Shipyard	8.0
Honolulu-Honolulu Airport	6.5
Waikiki-UH, via Kapahulu	3.2
Waikiki-Honolulu Airport	8.0
Waimanalo-Kahuku	32.6
Circle island, via Makapuu	99.5
Circle island, via Nuuanu Pali	81.6
KAUAI	
Lihue-Haena	38.2
Lihue-Wailua	5.9
Lihue-Lihue Airport	2.0
Lihue-Poipu	11.9
Lihue-Mana	32.9
Lihue-Kalalau Lookout	44.6
Poipu-Kalalau Lookout	36.8
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, 2000 TO 2002

[Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2000				
State total	4,299.01	88.58	4,038.02	172.41
Hawaii	1,458.88	-	1,399.58	59.30
Maui	639.43	-	582.73	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.73	-	120.73	12.00
Oahu	1,608.10	88.58	1,511.60	7.92
Kauai	412.39	-	389.90	22.49
Niihau	-	-	-	-
2001				
State total	4,289.98	88.58	4,028.99	172.41
Hawaii	1,458.54	-	1,399.24	59.30
Maui	630.97	-	574.27	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,606.88	88.58	1,510.38	7.92
Kauai	413.25	-	390.76	22.49
Niihau	-	-	-	-
2002				
State total	4,298.69	88.55	4,037.73	172.41
Hawaii	1,459.80	-	1,400.50	59.30
Maui	627.38	-	570.68	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,617.19	88.55	1,520.72	7.92
Kauai	413.98	-	391.49	22.49
Niihau	-	-	-	-

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.03-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED: 1997 TO 2002

[Excludes private thoroughfares and military roads not regularly open to public use]

Category	1997	1998	1999	2000	2001	2002
Total mileage	4,164	4,218	4,256	4,299	4,290	4,299
Paved	3,966	4,020	4,056	4,127	4,118	4,127
Unpaved	198	198	198	172	172	172

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.04-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 2002

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, 2000 AND 2001

Area	Number of Bridges	Deficient and obsolete					
		Total		Structurally deficient		Functionally obsolete	
		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
2001							
U.S.	590,066	165,099	28.0	83,630	14.2	81,469	13.8
Hawaii	1,071	537	50.1	193	18.0	344	32.1

Source: U.S. Federal Highway Administration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2000 (table 1016), 2001 (table 1078), and 2002 (table 1056).

Table 18.06-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2002

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: 1992 TO 2002

[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/	Ambu-lances, hearses, patrol wagons	Buses
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
2002	1,013,594	987,598	792,482	61	2,815

Year	Motor vehicles -- continued				
	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers
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
2002	160,941	513	359	20,427	25,996

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: 1992 TO 2002

[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
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
2002	987,598	643,810	142,150	63,580	138,058

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 18.09-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR COUNTIES: 2002

[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	1,013,594	656,187	149,746	66,150	141,511
Motor vehicles	987,598	643,810	142,150	63,580	138,058
Passenger vehicles 1/	792,482	531,101	109,220	45,777	106,384
Ambulances	61	38	10	1	12
Buses	2,815	2,233	278	13	291
Trucks 1/	160,941	95,841	29,699	16,705	28,696
Truck tractors	513	269	116	29	99
Truck cranes	359	237	48	12	62
Motorcycles, motorscooters 2/	20,427	14,091	2,779	1,043	2,514
Trailers and semi-trailers	25,996	12,377	7,596	2,570	3,453

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: 2002

[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	967,171	629,719	139,371	62,537	135,544
Taxable vehicles	899,228	565,194	138,055	61,672	134,307
Exempt vehicles	67,943	64,525	1,316	865	1,237
Federal government	360	338	16	2	4
State government	5,471	5,470	1	-	-
County government	6,831	4,629	656	579	967
Fire department	247	59	113	41	34
Police department	1,609	1,259	346	-	4
Consulates	59	57	1	-	1
Disabled veterans	137	75	10	47	5
Military non-resident	52,692	52,350	98	188	56
Farm	320	115	56	5	144
Horseless carriage	48	37	9	2	-
Electric vehicles	169	136	10	1	22

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. Census Bureau, 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 2002

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
2000	94,734	51,524	20,086	13,372	9,752
2001	86,181	48,816	18,635	10,726	8,004
2002	92,485	52,835	18,916	12,574	8,160

Source: Hawaii Automobile Dealers Association, *HADA Yearbook* (annual).

Table 18.14-- NEW PASSENGER CAR AND LIGHT TRUCK (VAN) REGISTRATIONS, BY NAMEPLATE: 2000 TO 2002

[Includes fleet sales]

Nameplate	2000		2001		2002	
	Rank	Units	Rank	Units	Rank	Units
All nameplates	…	94,734	…	86,181	…	92,485
Ford	1	15,669	1	14,049	1	14,498
Toyota	2	11,252	2	11,951	2	12,454
Chevrolet/Geo	3	9,862	3	9,861	3	9,620
Dodge	4	8,611	4	7,221	4	8,702
Nissan	5	7,069	5	5,975	5	7,385
Honda	6	6,124	6	5,424	6	6,122
All others	…	36,147	…	31,700	…	33,704

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: 2000 TO 2002

Year and place of manufacture	Cars and trucks	Cars			Trucks		
		Total	Retail	Rental	Total	Retail	Rental
2000							
Total	94,734	82,467	40,752	41,715	12,267	11,704	563
Domestic	55,838	48,644	13,324	35,320	7,194	6,637	557
Imports	38,896	33,823	27,428	6,395	5,073	5,067	6
Percent imports	41.10	41.01	67.30	15.30	41.35	43.30	1.10
2001							
Total	86,181	73,742	39,650	34,092	12,439	11,871	568
Domestic	48,885	41,727	12,297	29,430	7,158	6,669	489
Imports	37,296	32,015	27,353	4,662	5,281	5,202	79
Percent imports	43.28	43.41	68.99	13.67	42.46	43.82	13.91
2002							
Total	92,485	79,366	41,752	37,614	13,119	12,436	683
Domestic	50,058	42,764	11,449	31,315	7,294	6,659	635
Imports	42,427	36,602	30,303	6,299	5,825	5,777	48
Percent imports	45.87	46.12	72.58	16.75	44.40	46.45	7.03

Source: Hawaii Automobile Dealers Association, records.

Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTIES: 1991 TO 2002

[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
2002	814,668	560,222	110,561	46,840	97,045

Source: Hawaii State Department of Transportation, Public Affairs Office, records.

Table 18.17-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE AND SEX: DECEMBER 31, 2001 AND 2002

Age	Both sexes		Male		Female	
	2001	2002	2001	2002	2001	2002
Total	787,820	814,668	415,555	430,135	372,265	384,533
15 to 19 years	33,598	30,647	17,969	16,570	15,629	14,077
20 to 24 years	69,631	71,046	37,349	37,997	32,282	33,049
25 to 34 years	147,395	153,372	76,858	80,300	70,537	73,072
35 to 44 years	168,672	171,312	86,666	88,337	82,006	82,975
45 to 54 years	164,116	169,441	85,493	88,128	78,623	81,313
55 to 64 years	101,920	111,727	54,736	60,038	47,184	51,689
65 to 74 years	64,079	66,109	34,054	35,230	30,025	30,879
75 to 84 years	33,762	35,953	19,343	20,208	14,419	15,745
85 years and over	4,647	5,061	3,087	3,327	1,560	1,734
Median age (years)	43	44	44	44	43	44

Source: Hawaii State Department of Transportation, Public Affairs Office, records.

Table 18.18-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1990 TO 2002, AND BY COUNTIES, 2001 AND 2002

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
2001	445,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
COUNTIES: 2001				
Honolulu	282,417	448	5,540.1	8,798
Hawaii	73,937	538	1,337.9	9,730
Kauai	27,282	426	659.4	10,297
Maui	61,922	456	1,216.9	8,956
COUNTIES: 2002				
Honolulu	303,142	472	5,646.6	8,791
Hawaii	80,443	563	1,389.8	9,733
Kauai	28,791	443	669.0	10,292
Maui	65,142	474	1,231.9	8,958

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: 2000 TO 2002

Site	2000	2001	2002
Pali Highway at tunnels	45,742	45,188	47,000
Likelike Highway at tunnels	30,762	31,926	32,227
H-1 Freeway at Manoa-Palolo Drainage Canal	115,239	115,458	(NA)
H-1 Freeway at Kapalama Drainage Canal Bridge	208,152	219,035	210,138
Nimitz Highway at Kapalama Drainage Canal Bridge	79,505	75,961	74,923
Kalanianaole Highway east of Ainakoa Ave.	84,664	81,455	(NA)

NA Not available.
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: 1999 AND 2000

Subject	Honolulu		U.S. (average)	
	1999	2000	1999 1/	2000 2/
Freeway daily vehicle miles of travel (1,000)	5,715	5,625	15,960	15,375
Per lane-mile of freeway	14,290	14,065	15,890	16,035
Annual person hours of delay	13,420	7,690	65,930	47,595
Per person	19	11	36	27
Annual congestion cost:				
Per person (dollars)	345	225	625	505
Delay and fuel cost (mil. dol.)	240	155	1,145	900
Fuel wasted (gal. per person)	30	19	55	43

1/ 41 urbanized areas.
2/ 70 urbanized areas.
Source: Texas Transportation Institute, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2000 (table 1034), 2001 (table 1089), and 2002 (table 1066).

Table 18.21-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1992 TO 2002, AND BY COUNTIES, 2000, 2001 AND 2002

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
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 2/	11,111	116	9,887	133
2001	10,870	133	8,641	141
2002	(NA)	111	(NA)	115
COUNTIES: 2000				
Honolulu	2/ 7,129	58	2/ 6,114	66
Hawaii	2,201	34	1,805	38
Kauai	483	4	441	5
Maui 2/	1,298	20	1,527	24
COUNTIES: 2001				
Honolulu	6,406	74	5,036	79
Hawaii	2,781	29	1,819	30
Kauai	524	4	440	4
Maui	1,159	26	1,346	28
COUNTIES: 2002				
Honolulu	(NA)	62	(NA)	62
Hawaii	(NA)	27	(NA)	28
Kauai	(NA)	5	(NA)	5
Maui	(NA)	17	(NA)	20

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.

2/ Revised.

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: 1999 AND 2000

Area	All fatalities	No alcohol BAC = 0.00g/dl 1/		Any alcohol					
						Low alcohol BAC = 0.01 g/dl		High alcohol BAC = 0.10 g/dl	
		Number	Percent	Total number	Percent	Number	Percent	Number	Percent
1998									
U.S.	41,717	25,741	62	15,976	38	3,523	8	12,453	30
Hawaii	98	55	56	43	44	11	12	31	32
2000									
U.S.	41,821	25,168	60	16,653	40	3,761	9	12,892	31
Hawaii	131	77	59	54	41	17	13	37	28

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 Adminitration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2001 (table 1098), and 2002 (table 1075).

Table 18.23-- REGISTERED TAXICABS AND BICYCLES, BY ISLANDS: 2000 TO 2002

[As of December 31]

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2000	2001	2002	2000	2001	2002
Hawaii	170	159	167	4,693	4,551	3,816
Maui	200	216	235	3,247	2,225	1,857
Lanai	-	-	-	55	24	31
Molokai	-	-	-	183	45	35
Oahu	1,359	1,636	(NA)	3/ 116,459	24,777	(NA)
Kauai	-	-	-	3/ 1,095	488	385

NA No available.

1/ Licensed during the calendar year. Taxicabs are licensed annually, except in Kauai County, where registration is not required.

2/ Bicycles with wheels having a diameter of 20 inches or more and all mopeds, both of which were formerly licensed on an annual basis, have, since November 1, 1988, been registered biennially; see SLH 1988, Act 264, sec. 1.

3/ Effective January 1, 1999, bicycles and mopeds are issued permanent registration.

Source: Data provided by County Departments of Finance to Hawaii State Department of Business, Economic Development & Tourism.

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, records.

Table 18.26-- PUBLIC TRANSIT, FOR OAHU: 1992 TO 2002

[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)
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
2002	525	21,800,354	73,524,474	30,602,648

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 2003

[In dollars]

Effective date	One-way cash fare 1/		Monthly pass 2/	
	Adult	Youth	Adult	Youth
March 1, 1971	.25	.15	...	...
March 2, 1971	.25	.10	...	...
June 9, 1972 3/	.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	1.50	.75	27.00	13.50
July 1, 2003	1.75	.75	30.00	13.50
October 1, 2003 4/ 5/	2.00	1.00	40.00	20.00

1/ In addition, there have been special fares for senior citizens, persons with a disability, service to and from Pearl Harbor, and the Stadium Express during many of these years.

2/ In addition, there have been special passes for senior citizens and persons with a disability.

3/ Zone fares initiated and later eliminated.

4/ Most recent change.

5/ Annual pass: adult (440.00), youth (220.00), senior citizen or person with a disability (30.00).

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records <http://www.thebus.org/Fare/Fare.asp> accessed October 2, 2003.

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	Passen-gers	Miles of track	Passen-gers		Miles of track	Passen-gers	Miles of track	Passen-gers
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/					
	Com-mercial	General aviation	Military	Semi-private	State: commercial	Semi-private
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-- HONOLULU INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 1999 TO 2001

Year	Aircraft operations 1/	Enplaned passengers 2/	Rank 3/
1999	346,477	10,974,390	23
2000	345,496	11,174,701	23
2001 4/	231,388	10,150,357	24

1/ Include itinerant air carrier and air taxi only.
2/ Include air carrier, commuter and international.
3/ Among 100 cities, 1 is highest.
4/ Fiscal year July 1, 2000 to June 30, 2001.
Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary Fiscal Years 2002-2020,* FAA-APO-03-2 (April 2003), table S-4 <http://apo.faa.gov/taf02/taf2002.pdf> accessed September 2, 2003.

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 2002* <http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf> accessed September 26, 2003.

Table 18.32-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS: 1991 TO 2002

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	Hilo International Airport 1/	Kona International Airport 2/	Kahului Airport	Lihue Airport	Molokai Airport
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
2002	323,726	97,540	123,704	157,868	102,426	43,065

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 2002* <http://www.hawaii.gov/dot/airports/publications/cysmallone/pdf> accessed September 26, 2003.

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: 2001 AND 2002

[Non-stop flights only, does not include charter flights.]

Airport	2001	2002
State of Hawaii	8,402,845	8,252,306
Honolulu International	6,556,242	6,320,832
Kahului	1,254,666	1,283,488
Kona International	451,006	459,598
Lihu'e	140,931	188,388
Domestic	5,260,414	5,461,558
International	3,142,431	2,790,748

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.	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

NA 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: 2000 AND 2001

Subject	Aloha Airlines		Hawaiian Airlines	
	2000	2001	2000	2001
Operating aircraft	21	23	28	31
Employees, full-time equivalents	2,216	2,460	3,115	3,061
Aircraft departures	79,143	73,550	64,270	59,565
Revenue passengers (1,000)	5,177	4,598	5,887	5,459
Revenue passenger miles (million)	933	1,270	4,196	4,145
Passenger revenues (million dollars)	242	259	475	488
Cargo revenues (million dollars)	35	38	6	21
Operating revenues (million dollars)	283	306	607	612
Operating profit/loss (million dollars)	(6)	(24)	(14)	(15)
Net profit/loss (million dollars)	(4)	(11)	(19)	5

Source: Air Transport Association, Annual Report <http://www.airlines.org/econ/files/2002AnnualReport.pdf> p.18 accessed September 3, 2003.

Table 18.37-- HAWAII LOCATIONS AMONG THE TOP 30 DOMESTIC AIRLINE MARKETS: 1998 TO 2001

[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
2001 1/		
6	Honolulu - Kahului	2,120
13	Honolulu - Lihue	1,528
21	Honolulu - Kona	1,218
25	Honolulu - Hilo	1,132

1/ Top 25 domestic airline markets.
Source: Air Transport Association, Annual Report
<http://www.airlines.org/econ/files/2002AnnualReport.pdf> p. 23 accessed September 3, 2003.

Table 18.38-- OVERSEAS AND INTER-ISLAND AIR PASSENGER MOVEMENTS: 1988 TO 2001

[Calendar years. Data include both revenue and non-revenue passengers]

Year	Overseas passengers 1/		Honolulu transit	Inter-island passengers
	Arrivals	Departures		
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	466,807	10,075,448
1999	7,699,676	7,737,494	376,236	10,173,069
2000	7,981,640	7,959,325	407,359	10,378,775
2001	7,270,532	7,263,415	275,853	9,169,182

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo. Includes passengers from the West Coast, Canada, Europe, and the Central and South Pacific.

Source: Hawaii State Department of Transportation, Airports Division, records; *Airport Activity Statistics Calendar Year 2002* <http://www.hawaii.gov/dot/airports/publications/cysmallone/pdf> accessed September 26, 2003.

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 2002* <http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf> accessed September 26, 2003.

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 2002* <http://www.hawaii.gov/dot/airports/publications/cysmallone/pdf> accessed September 26, 2003.

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 2002

[Transpacific flights to depart from Honolulu during a one-week period, including scheduled and chartered flights]

Destination	Flights during week	Destination	Flights during week
Transpacific	527	Japan	112
		Fukuoka	7
U.S.	353	Hiroshima	2
		Nagoya	7
West	297	Osaka	22
Anchorage	2	Sapporo	6
Burbank	7	Sendai	4
Denver	7	Tokyo-Narita	64
Las Vegas	16		
Los Angeles	119	Other Asia	7
Oakland	12	Seoul	5
Ontario	7	Taiwan	2
Orange County	7		
Phoenix	9	Australia / New Zealand	17
Portland	7	Auckland	3
San Diego	7	Sydney	14
San Francisco	62		
San Jose	7	Other	29
Sacramento	7	Apia	1
Salt Lake City	7	Christmas Island	1
Seattle	14	Guam	10
		Johnston Island	3
East	56	Manila	2
Chicago	7	Marshall Island	1
Dallas	14	Nadi	6
Houston	14	Pago Pago	3
Minneapolis	7	Papeete	1
Newark	7	Rarotonga	1
St. Louis	7		
Canada	9		
Vancouver	9		

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.43-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY HAWAIIAN AIRLINES: 1999 TO 2003

[As of July 1]

Category	1999	2000	2001	2002	2003
Regular fare	94.75	94.50	95.25	99.00	1/ 119
Kamaaina fare:					
Monday - Thursday	61.75	61.50	65.25	69.00	2/ 69
Friday - Sunday	63.75	63.50	68.25	72.00	2/ 69

1/ Unrestricted.
2/ Kamaaina fare replaced by lowest capacity-controlled fare.
Source: Hawaiian Airlines, records.

Table 18.44-- AIR FARES BETWEEN HONOLULU AND LOS ANGELES, SAN FRANCISCO, AND SEATTLE, FOR UNITED AIRLINES: 2001 AND 2002

[As of July 1, weekdays. In dollars, includes taxes but does not reflect $3.00 airport charge where applicable]

Fare category	Los Angeles	San Francisco	Seattle
2001			
One-way:			
First class	1,079	1,338	1,422
Coach (unrestricted)	692	692	774
Round-trip:			
First class	2,158	2,676	2,844
Coach (unrestricted)	1,384	1,384	1,548
Lowest round-trip: 1/	426	522	548
2002			
One-way:			
First class	1,179	1,438	1,422
Coach (unrestricted)	692	692	774
Round-trip:			
First class	2,358	2,876	2,844
Coach (unrestricted)	1,384	1,384	1,548
Lowest round-trip: 1/	476	454	444

1/ 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 18.45-- STATE COMMERCIAL HARBORS: 2002

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	762
Kawaihae	40	35	1,500	1,450	1,562	23	558
Maui:							
Kahului	35	35	2,400	2,050	3,019	87	1,248
Molokai:							
Kaunakakai	23	23	1,500	600	691	7.4	125
Lanai:							
Kaumalapau	60	20-60	(NA)	(NA)	400	-	100
Oahu:							
Honolulu							
Main	45	40	3,300	1,520	29,872	1,447	8,935
Kapalama			3,400	1,000			
Barbers Point	42	38	2,100	1,800	2,990	36	1,838
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,916	76	1,372
Port Allen	35	35	1,500	1,200	1,200	35	32

NA Not available.
Source: Hawaii State Department of Transportation, Harbors Division, unpublished data.

Table 18.46-- HARBOR DEPTHS: 2001

[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/wcuspa01.pdf>.

Table 18.47-- SMALL CRAFT MOORING FACILITIES, BY ISLANDS: DECEMBER 31, 2002

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,679	1,397	375	319	525	340
Hawaii	323	302	74	71	98	95
Maui	135	103	125	107	143	105
Oahu	1,105	883	165	134	172	134
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 18.48-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLANDS: 2002

[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	643	319	324	20	2/ 25	3/ 913	4/ 138
Hawaii	67	55	12	8	24	156	115
Maui	64	25	39	2	24	170	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	1	1	-	-	7	120	20
Lanai	14	8	6	1	8	91	13
Molokai	21	12	9	5	25	213	138
Oahu	343	166	177	4	25	913	71
Kauai	53	27	26	-	25	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	43	38
At sea	59	4	55	-	-	-	-

1/ State and private. Includes State-maintained fish aggregating buoys at sea.
2/ Molokai Light, Kaena Point Light, and Kilauea Light.
3/ Kaena Point Light.
4/ Molokai Light.
Source: 14th Coast Guard District, records.

Table 18.49-- UNDOCUMENTED STATE-REGISTERED VESSELS: DECEMBER 31, 2002

Subject	Number	Subject	Number
Certificates outstanding		Type of vessel:	
		Cabin motorboat	2,575
Length:		Open motorboat	5,752
Under 16 feet	5,949	Runabout	2,688
16 to less than 26 feet	7,698	Sail/inboard } Sail/outboard }	1,162
26 to less than 40 feet	1,596		
40 to 65 feet	187	Sail only	704
Over 65 feet	15	Motor vessel over 65 feet	8
		Thrill craft under 16 feet	1,314
Hull material:			1,242
Wood	680		
Fiberglass	13,210	Uses:	
Metal	-	Pleasure	13,807
Inflatable	-	Commercial fishing	407
Other	181	Charter fishing	16
		Commercial passenger	245
Propulsion:		Other commercial	165
Inboard	5,862	Livery	348
Outboard	3,735	Dealer or manufacturer	31
Inboard/outboard	2,161	Youth group	85
Sail/inboard	623	Government	306
Sail/outboard	544	Other	35
Sail only	668		
Manual	357	Island where vessel is kept:	
Waterjet	1,406	Hawaii	2,519
Other	89	Kauai	1,748
		Lanai	86
Type of storage:		Maui	1,844
Moored on water	(NA)	Molokai	216
Moored on land	(NA)	Oahu	9,032

NA Not available.

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration* (annual).

Table 18.50-- NUMBERED VESSELS REGISTERED IN HAWAII: 1996 TO 2002

[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 auxilary engines), and any boat powered solely by sail if over eight feet in length, must be numbered. As of December 31]

1996	1997	1998	1999	2000	2001	2002
15,177	15,138	15,138	15,481	14,874	14,273	15,445

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration (annual).*

Table 18.51-- BOATING ACCIDENTS: 1991 TO 2002

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
2002	22	2	2	7	24	118.0

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 18.52-- VESSEL ARRIVALS, BY DRAFT: 2000 AND 2001

[Excludes domestic fishing craft]

Harbor	2000			2001		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	900	846	54	987	894	93
Kawaihae	820	812	8	768	759	9
Kahului	1,453	1,198	255	1,595	1,309	286
Kaunakakai	1/ 572	1/ 572	-	1/ 582	1/ 582	-
Kalaupapa	3	3	-	1	1	-
Honolulu	7,430	6,352	1,078	7,218	6,309	909
Barbers Point	1,909	1,808	101	1,887	1,818	69
Nawiliwili	672	621	51	628	586	42
Port Allen	30	30	-	31	31	-

1/ 21 feet and less.

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *Waterborne Commerce of the United States* (annual), Part 4 <http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>.

Table 18.53-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1984 TO 2002

[Years ended June 30]

Year	Overseas vessels		Inter-island 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/ 6,325,580	2,215	1/ 1,872,074
2001	1/ 1,295	1/ 6,467,388	2,280	1/ 1,863,218
2002	1,270	6,425,288	2,663	1,796,910

1/ Revised.
Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.54-- OVERSEAS AND INTER-ISLAND PASSENGER ARRIVALS AND DEPARTURES, FOR HONOLULU HARBOR: 1997 TO 2002

[Fiscal years ended June 30]

Type of passenger	1997	1998	1999	2000	2001	2002
Overseas:						
In	18,262	25,570	45,494	31,767	48,429	130,792
Out	17,527	28,932	44,389	31,845	46,922	134,483
Inter-island:						
In	46,825	43,522	47,950	52,570	47,870	19,952
Out	40,558	43,754	47,782	52,883	71,816	31,345

Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.55-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS: 1992 TO 2001

[1,000 short tons. Excludes cargo carried by Army and Navy vessels and cargo in transit]

Year	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
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	15,501 1/	6,778 1/	1,581
2001	1,680	1,378	3,695	16,562	6,079	1,478

1/ Revised.

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/wcuspa01.pdf>.

Table 18.56-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC, FOR SPECIFIED HARBORS: 2001

[In thousands of short tons]

Category	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
All freight traffic	1,680	1,378	3,695	16,562	6,079	1,478
Foreign						
Imports	-	-	157	4,265	1,990	-
Exports	-	-	-	520	222	-
Canadian						
Imports	-	-	-	5	-	-
Exports	-	-	-	-	-	-
Domestic, total						
Coastwise	1,680	1,378	3,539	11,772	3,867	1,478
Receipts	1,250	952	2,257	6,419	2,222	946
Shipments	430	425	1,281	5,294	1,642	532
Internal & intraport	-	-	-	59	3	-

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2001 Waterborne Commerce of the United States,* Part 4 <http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>.

Table 18.57-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES, FOR SPECIFIED HARBORS: 2001

[In thousands of short tons]

Port and commodity	Total	Receipts 1/	Shipments 2/
Hilo	1,680	1,250	430
Petroleum and petroleum products	417	413	4
Primary manufactured goods	728	443	284
Food and farm products	179	122	57
Manufactured equipment, machinery and products	270	204	67
Kawaihae	1,378	952	425
Primary manufactured goods	978	635	343
Food and farm products	105	94	11
Manufactured equipment, machinery and products	232	166	66
Kahului	3,695	2,414	1,281
Petroleum and petroleum products	516	515	1
Primary manufactured goods	1,872	1,077	794
Food and farm products	467	189	278
Manufactured equipment, machinery and products	521	343	177
Honolulu	16,562	10,689	5,873
Petroleum and petroleum products	4,829	4,224	605
Lumber	405	224	180
Primary manufactured goods	4,976	2,309	2,667
Food and farm products	1,981	1,177	804
Manufactured equipment, machinery and products	3,422	3,419	1,283
Vehicles and parts	949	414	536
Barbers Point	3,867	2,222	1,642
Petroleum and petroleum products	3,789	2,211	1,574
Cement and concrete	67	-	67
Nawiliwili	1,478	946	532
Primary manufactured goods	884	543	340
Food and farm products	178	94	84
Manufactured equipment, machinery and products	299	194	104
Kaunakakai	155	(NA)	(NA)
Port Allen	-	(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, *2001 Waterborne Commerce of the United States,* Part 4 <http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>.

Table 18.58-- TRANSPORTATION AND WAREHOUSING SUMMARY STATISTICS FOR THE STATE: 1997

NAICS code	Kind of business	Establish-ments (number)	Revenue ($1,000)	Annual payroll ($1,000)	Paid employees for pay period including March 12 (number)
48-49	Transportation & warehousing 1/ 2/	686	1,249,280	427,727	16,684
481	Air transportation 1/	32	117,500	20,369	777
483	Water transportation	23	184,212	36,876	1,092
484	Truck transportation	190	242,560	81,023	2,897
485	Transit & ground passenger transportation	86	114,434	89,033	3,547
487	Scenic & sightseeing transportation	150	267,338	81,517	4,346
488	Support activities for transportation	134	194,910	79,929	2,551
492	Couriers & messengers	54	83,146	32,075	1,229
493	Warehousing & storage	17	45,180	6,905	245

1/ Data do not include large certificated passenger carriers that report to the Office of the Airline Statistics, U.S. Department of Transportation.

2/ Railroad transportation and U.S. Postal Service are out of scope for the 1997 Economic Census.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation and Warehousing, Geographic Area Series,* EC97T48A-HI (January 2000).

Table 18.59-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND DESTINATION: 1997

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	11,272	22,290	1,330
Destination:			
Hawaii	10,773	22,072	648
California	234	146	388
Washington	38	12	44
Other states	227	60	250
Mode of transportation:			
Single modes:			
Truck	6,696	12,066	153
Water	349	(S)	(S)
Air (includes truck and air)	357	55	42
Pipeline	1,305	7,162	(S)
Multiple modes:			
Parcel, U.S. Postal Service or courier	570	13	6
Truck and water	1,139	779	563
Other multiple modes	(S)	(S)	202
Other and unknown modes	725	734	89
Distance shipped:			
Less than 50 miles	8,854	19,874	239
50 to 249 miles	1,914	2,194	407
250 to 1,999 miles	5	(S)	(S)
2,000 miles or more	499	218	682
Commodity: 1/			
Other agricultural products 2/	326	(S)	(S)
Meat, fish, seafood & their preparations	973	241	20
Other prepared foodstuffs, fats & oils	1,274	1,305	631
Gasoline/aviation turbine fuel	2,187	7,387	193
Fuel oils	748	4,622	(S)
Pharmaceutical products	515	6	1
Printed products	545	369	9
Textiles, leather, and articles of textiles or leather	577	27	3
Electronic and other 3/	467	33	3

S Data do not meet publication standards due to high sampling variability or other reasons.

1/ Based on the Standard Classification of Transported Goods (SCTG) coding system. Includes subgroups not shown separately.

2/ Excluding live animals, live fish and cereal grains.

3/ Electronic and other electrical equipment and components and office equipment.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation, 1997 Commodity Flow Survey, Hawaii,* EC97-TCF-HI (December 1999), tables 1a, 3, 6 and 7.

Section 19

AGRICULTURE

This section presents statistics on agricultural land, farms, crops, livestock, dairy products, poultry, and aquaculture. Related information appears in Sections 6 (land use), 12 and 15 (agricultural employment and earnings), and 22 (food processing).

Important sources for data on agriculture include the *United States Census of Agriculture*, most recently published for 1997, the annual report on *Statistics of Hawaiian Agriculture* issued by the Hawaii Agricultural Statistics Service, and data compiled by the former Hawaiian Sugar Planters' Association, now the Hawaii Agriculture Research Center, and the Aquaculture Development Program of the Hawaii State Department of Agriculture. Agricultural data for earlier years are summarized in *Historical Statistics of Hawaii*, Section 13. National statistics appear in Section 17 of the *Statistical Abstract of the United States: 2002.*

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)
	$1,000	85,228	(NA)
Average per farm	dollars	15,972	(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	$1,000	168,111	142,965	57,474	128,385
Average per farm	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 2001

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
2001	5,300	1,440	3,300	1,100	7,400

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> accessed on March 20, 2003.

Table 19.04-- VALUE OF CROP AND LIVESTOCK SALES: 1980 TO 2001

[$1,000]

Year	All crops and livestock 1/ 2/	Crops				Livestock 1/
		All crops 2/	Sugar (unprocessed cane)	Pineapples (fresh equiv.)	Other crops 2/	
1980	634,101	552,877	385,100	76,596	91,181	81,224
1981	489,502	401,348	207,500	89,745	104,103	88,154
1982	507,268	428,860	230,800	94,364	103,696	78,408
1983	568,414	481,926	266,900	100,376	114,650	86,488
1984	550,517	463,502	256,200	89,928	117,374	87,015
1985	528,649	445,826	222,400	90,530	132,896	82,823
1986	564,717	481,312	233,800	99,720	147,792	83,405
1987	557,298	469,565	218,000	99,286	152,279	87,733
1988	573,962	485,293	209,900	107,402	167,991	88,669
1989	585,048	493,261	210,300	98,310	184,651	91,787
1990	595,030	506,586	213,800	106,365	186,421	88,444
1991	551,382	464,139	174,900	107,775	181,464	87,243
1992	520,227	431,958	153,700	102,100	176,158	88,269
1993	506,475	421,593	163,000	79,850	178,743	84,882
1994	503,780	427,150	160,100	78,890	188,160	76,630
1995	493,385	421,089	127,700	87,360	206,029	72,296
1996	495,688	428,671	108,100	95,914	224,657	67,017
1997	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	494,830	426,582	62,600	101,530	262,452	68,248
2001	488,872	424,057	57,800	96,337	269,920	64,815

1/ 2000 Total livestock sales figures have been revised from previous year databook table.
2/ 2000 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> accessed on March 20, 2003.

Table 19.05-- NUMBER OF FARMS, FARM ACREAGE, AND FARM EMPLOYMENT, BY COUNTIES OR ISLANDS: 1991, 1999, 2000, AND 2001

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:					
1991	4,700	1,630	3,100	1,100	9,600
1999	5,500	1,440	3,000	1,200	7,600
2000	5,500	1,440	3,100	1,000	7,800
2001	5,300	1,440	3,300	1,100	7,400
Hawaii County:					
1991	2,700	955	1,900	650	3,650
1999	3,300	870	1,850	600	2,400
2000	3,300	870	1,800	550	2,700
2001	3,200	870	1,950	550	2,650
Oahu:					
1991	950	100	650	300	2,300
1999	900	80	500	300	2,100
2000	900	80	500	200	2,200
2001	800	80	550	250	2,300
Kauai County:					
1991	400	220	200	100	1,150
1999	500	200	250	100	900
2000	500	200	300	50	950
2001	500	200	350	150	650
Maui County:					
1991	650	355	350	150	2,550
1999	800	290	450	200	2,200
2000	800	290	500	150	2,000
2001	800	290	500	150	1,800

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> accessed on March 20, 2003.

Table 19.06-- VALUE OF CROP AND LIVESTOCK SALES, BY COUNTIES OR ISLANDS: 1991, 1999, 2000 AND 2001

[$1,000]

County or island and year	All crops and livestock 1/	Crops				Livestock 1/
		All crops 1/	Sugar (unprocessed cane)	Pineapples 2/ (fresh equiv.)	Other crops 2/	
State total:						
1991	551,382	464,139	174,900	107,775	181,464	87,243
1999	512,992	443,111	86,800	101,448	254,863	69,881
2000	494,830	426,582	62,600	101,530	262,452	68,248
2001	488,872	424,057	57,800	96,337	269,920	64,815
Hawaii County:						
1991	179,716	149,009	43,600	(Z)	105,409	30,707
1999	144,470	121,939	-	(Z)	121,939	22,531
2000	154,240	128,161	-	(Z)	128,161	26,079
2001	160,333	134,466	-	(Z)	134,466	25,867
Oahu:						
1991	171,378	129,602	30,600	62,075	36,927	41,776
1999	179,324	142,407	-	73,123	69,284	36,917
2000	177,704	145,784	-	72,085	73,699	31,920
2001	176,390	145,372	-	69,222	76,150	31,018
Kauai County:						
1991	57,912	53,018	42,800	(Z)	10,218	4,894
1999	57,933	53,390	26,600	(Z)	26,790	4,543
2000	44,139	40,286	18,700	(Z)	21,586	3,853
2001	37,870	35,359	12,900	(Z)	22,459	2,511
Maui County:						
1991	142,376	132,510	57,900	45,700	28,910	9,866
1999	131,265	125,375	60,200	28,325	36,850	5,890
2000	118,747	112,351	43,900	29,445	39,006	6,396
2001	114,279	108,860	44,900	27,115	36,845	5,419

Z Less than $50,000.
1/ 2000 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> accessed on March 20, 2003.

Table 19.07-- ACREAGE IN CROP, NUMBER OF CROP FARMS, VOLUME OF CROP MARKETINGS, AND VALUE OF CROP SALES: 1991, 1999, 2000, AND 2001

Subject	1991	1999	2000	2001
Acreage in crop (1,000 acres):				
Sugarcane	155.6	67.0	60.0	46.0
Pineapples (land used for pineapple)	28.4	21.0	20.7	20.1
Vegetables and melons (harvested acreage)	5.2	8.2	6.4	6.6
Fruits, excluding pineapples 2/	6.9	8.0	7.1	7.1
Coffee	7.2	7.7	7.9	8.0
Macadamia nuts	22.5	19.9	18.4	18.0
All other crops 1/ 2/	5.3	14.9	7.3	8.9
Number of crop farms:				
Sugar	55	4	3	2
Pineapples	10	15	15	15
Vegetables and melons	490	1,020	580	575
Fruits (excluding pineapples)	800	1,373	1,254	1,059
Coffee	615	650	670	700
Macadamia nuts	690	750	650	650
Taro	180	190	185	170
Flowers and nursery products 2/	735	765	735	790
Volume of crop marketings:				
Sugar, unprocessed cane (1,000 tons)	5,857	(3/)	(3/)	(3/)
Pineapples, fresh equivalent (1,000 tons)	555	(3/)	(3/)	(3/)
Vegetables and melons (1,000 lb.)	91,740	(3/)	(3/)	(3/)
Fruits, excluding pineapples (1,000 lb.)	83,990	(3/)	(3/)	(3/)
Coffee, parchment (1,000 lb.)	2,800	(3/)	(3/)	(3/)
Macadamia nuts, in shell (1,000 lb.)	49,500	(3/)	(3/)	(3/)
Taro (1,000 lb.)	6,500	(3/)	(3/)	(3/)
Value of crop sales ($1,000):				
Sugar (unprocessed cane)	174,900	86,800	62,600	57,800
Pineapples (fresh equivalent)	107,775	101,448	101,530	96,337
Vegetables and melons 2/	38,693	56,438	59,159	62,043
Fruits (excluding pineapples)	24,358	28,525	31,364	30,190
Coffee (parchment)	4,900	21,000	23,055	19,600
Macadamia nuts (in shell)	34,650	37,855	29,500	32,480
Taro	2,795	3,604	3,710	3,392
Seed Crops 2/ 4/	(NA)	30,500	32,200	32,800
Flowers and nursery products 2/	68,078	75,725	82,684	87,976

NA Not Available
1/ 1999 data have been revised from previous year databook table.
2/ 2000 data have been revised from previous year databook table.
3/ This data series discontinued in 1998.
4/ 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> accessed on March 20, 2003.

Table 19.08-- ACREAGE IN CROP, NUMBER OF CROP FARMS, AND VALUE OF CROP SALES, BY COUNTIES OR ISLANDS: 2001

Subject	Hawaii County	Oahu	Kauai County	Maui County
Acreage in crop (1,000 acres):				
Sugarcane	-	-	10.6	35.4
Pineapples (land used for pineapple)	(1/)	11.0	(1/)	9.1
Vegetables and melons (harvested acreage)	1.9	3.4	0.1	1.2
Fruits, excluding pineapples	4.5	1.5	0.8	0.3
Coffee	3.4	(D)	(D)	(D)
Macadamia nuts	(D)	(D)	(D)	(D)
All other crops	2.1	3.4	1.3	2.1
Number of crop farms:				
Sugar	-	-	1	1
Pineapples	6	2	5	2
Vegetables and melons	270	160	45	100
Fruits (excluding pineapples)	585	142	139	193
Coffee	675	(D)	(D)	(D)
Macadamia nuts	(D)	(D)	(D)	(D)
Taro	60	15	70	25
Flowers and nursery products	360	220	60	150
Value of crop sales ($1,000):				
Sugar (unprocessed cane)	-	-	12,900	44,900
Pineapples (fresh equivalent)	(2/)	69,222	(2/)	27,115
Vegetables, ginger root, herbs, and melons	17,742	32,601	1,574	10,125
Fruits (excluding pineapples)	18,724	7,538	3,007	921
Coffee (parchment)	13,175	(D)	(D)	(D)
Macadamia nuts (in shell)	(D)	(D)	(D)	(D)
Taro	443	(D)	2,258	(D)
Seed crops	(D)	(D)	(D)	(D)
Flowers and nursery products	51,283	24,916	1,911	9,866

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> accessed on March 20, 2003.

Table 19.09-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 2001

[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 (2001-02)	6,300	1.3	8,000	245.0	19,600
Fresh herbs	...	...	3,200	...	5,909
Ginger roots	360	50.0	18,000	45.0	8,100
Macadamia nuts (2001-02)	18,000	3.1	62,000	58.0	32,480
Seed crops (2001-02)	3,300	...	6,340	...	32,800
Fruits:					
Bananas	1,490	18.8	28,000	38.0	10,640
Guavas	610	...	15,300	14.1	2,157
Papayas	1,950	28.2	55,000	26.5	14,598
Vegetables:					
Beans, Snap	210	5.2	1,100	97.0	1,067
Cabbage, Chinese	320	21.9	7,000	23.0	1,610
Cabbage, head	500	25.0	12,500	22.0	2,750
Corn, sweet	440	4.3	1,900	64.0	1,216
Cucumbers	370	14.3	5,300	44.0	2,332
Onions, dry	300	18.0	5,400	75.0	4,050
Onions, green	120	11.7	1,400	89.0	1,246
Peppers, green	210	14.8	3,100	60.0	1,860
Taro	1/ 440	...	6,400	53.0	3,392
Tomatoes	580	30.2	17,500	53.0	9,275
Watermelons	520	20.2	10,500	24.0	2,520

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> accessed on March 20,2003.

Table 19.10-- SUGARCANE ACREAGE, BY TYPE OF IRRIGATION: 1984 TO 2002

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	-	-
2002	47,476	47,476	-	-

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 2001, AND BY GEOGRAPHIC AREAS, 2001

[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 3/	164	9	26	722	7
2001	150	7	27	659	8
GEOGRAPHIC AREAS: 2001					
Hawaii County	110.1	2.6	4.4	(D)	(NA)
Oahu	9.4	4.7	14.8	513	(NA)
Kauai County	10.8	(4/)	2.0	(D)	(NA)
Maui County	19.7	(4/)	5.8	(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.
3/ Figure for milk cows revised from previous year databook.
4/ Less than 50.
Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture* (annual); and <http://www.nass.usda.gov/hi/stats/t_of_c.htm> accessed on March 20, 2003.

Table 19.12-- NUMBER OF LIVESTOCK OPERATIONS, VOLUME OF LIVESTOCK MARKETINGS, AND VALUE OF LIVESTOCK SALES: 1991, 1999, 2000, AND 2001

Subject	1991	1999	2000	2001
Number of livestock operations, Dec. 31:				
Cattle 1/	900	800	800	800
Hogs	450	230	230	230
Milk	80	50	50	50
Eggs	55	55	55	55
Honey	13	28	33	30
Volume of livestock marketings:				
Beef (dressed weight; 1,000 lb.) 2/	27,328	(3/)	(3/)	(3/)
Pork (dressed weight; 1,000 lb.)	6,059	(3/)	(3/)	(3/)
Milk (million lb.)	138.8	(3/)	(3/)	(3/)
Eggs (million)	224.5	(3/)	(3/)	(3/)
Honey (1,000 lb.)	1,310	(3/)	(3/)	(3/)
Value of livestock sales ($1,000):				
Cattle 4/	29,787	16,806	19,204	18,007
Hogs 4/	6,463	5,072	4,425	4,546
Milk	30,328	31,270	28,102	26,546
Eggs 5/	15,996	10,803	10,598	9,640
Honey 5/	747	512	643	592

1/ Includes beef, dairy, and dairy replacement operations.
2/ Includes slaughter cattle, but excludes calves shipped out-of-state.
3/ This data series discontinued in 1998.
4/ Excludes interfarm sales; includes out-of-state sales of slaughter cattle and feeder calves.
5/ 2000 data 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> accessed on March 20, 2003.

Table 19.13-- NUMBER OF LIVESTOCK OPERATIONS AND VALUE OF LIVESTOCK SALES, BY COUNTIES OR ISLANDS: 2001

Subject	Hawaii County	Oahu	Kauai County	Maui County
Number of livestock operations, Dec. 31:				
Cattle 1/	460	60	110	170
Hogs	70	70	30	60
Milk	28	10	8	4
Eggs	28	15	4	8
Value of livestock sales ($1,000):				
Cattle 2/	13,438	604	1,527	2,438
Hogs 2/	456	2,882	369	839
Milk	(D)	18,920	(D)	(D)
Eggs	(D)	6,666	(D)	(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> accessed on March 20, 2003.

Table 19.14-- FLORICULTURE AND NURSERY PRODUCTS, 1994 TO 2002, AND BY ISLANDS, 1999 TO 2002

Island and year	Number of farms	Growing area					Whole-sale 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	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 1/	790	3,049	3,175	26,660	9	2,355	88,597
2002	805	3,424	2,690	29,055	10	2,685	92,069
Islands, 1999:							
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: 1/							
Hawaii	360	1,621	2,265	22,010	9	1,055	50,637
Kauai	60	164	115	295	0	155	1,864
Maui/Molokai	150	592	425	730	0	565	9,898
Oahu	220	672	370	3,625	0	580	26,198
Islands, 2002:							
Hawaii	380	2,060	1,875	23,175	10	1,475	47,491
Kauai	55	633	90	395	0	170	2,303
Maui/Molokai	150	181	400	685	0	515	10,751
Oahu	220	550	325	4,800	0	525	31,524

1/ Data have been revised from previous year databook table.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary* (June 23, 2003), pp. 10 and 13.

Table 19.15-- FLORICULTURE AND NURSERY PRODUCTS, BY COMMODITY: 2002

[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	60	1,000 dozens	756	4,908
Bird of Paradise	22	1,000 dozens	80	573
Ginger, red	52	1,000 dozens	138	936
Heliconias	47	1,000 dozens	71	662
Proteas	23	1,000 stems	1,337	1,050
Orchids:				
Sprays: Dendrobium	51	1,000 dozens	461	3,225
Sprays: Oncidiums	31	1,000 dozens	60	576
Potted: Dendrobiums	76	1,000 pots	1,357	7,336
Potted: Phalaenopsis	26	1,000 pots	123	818
Lei or individual flowers:				
Carnations	6	Million blooms	8.1	614
Dendrobiums	25	Million blooms	26.4	803
Plumerias	14	Million blooms	25.2	608
Tuberoses	6	Million blooms	31.2	1,516
Foliage:				
Potted, dracaena	31	...	(NA)	5,333
Potted, palms	42	...	(NA)	7,719
Tea leaves, cut	40	1,000 leaves	5,900	587
Potted flowering plants:				
Anthuriums	25	1,000 pots	133	602
Bromeliads	14	1,000 pots	191	764
Chrysanthemums	5	1,000 pots	150	652
Poinsettias	31	1,000 pots	365	1,393
Plant rentals	46	...	(NA)	3,800
Landscape plants	111	…	(NA)	16,231

NA Not available.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers & Nursery Products, Annual Summary,* (June 23, 2003), pp. 3-9.

Table 19.16-- 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 19.17-- AGRICULTURAL LABOR: WORKERS ON FARMS, STATE OF HAWAII, 1993-2002

[Figures are averages based on January, April, July, and October surveys]

	Farm employment				Hired Workers by type of farm		
Year	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
2002	(NA)	(NA)	(NA)	7,500	900	1,300	5,400

NA Due to a change in the national labor statistics program, estimates for self-employed and unpaid workers have been discontinued.

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 19.18-- GENERAL EXCISE TAX BASE FOR PRODUCING: 1991 TO 2002

[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
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
1994	467,174	1998	478,201	2002	522,418

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 19.19-- 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 19.20-- AQUACULTURE INDUSTRY OPERATIONS: 1970 TO 2001

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
2001	80	(NA)	(NA)	22,200

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> (1998-2001) accessed on March 20, 2003.

Table 19.21-- AQUACULTURE OPERATIONS, ACREAGE, PRODUCTION, AND VALUE, BY COUNTIES: 2000 AND 2001

Subject	State total	Hawaii	Honolulu	Kauai	Maui
2000					
Number of operations	85	37	35	4	9
Production (1,000 lb.)	2,898.0	1,583.0	(D)	(D)	(D)
Shellfish	1,190.0	450.0	359.0	(D)	(D)
Finfish	440.0	(D)	72.0	(D)	(D)
Algae	1,268.0	1,035.0	(D)	(D)	(D)
Value ($1,000)	22,170.0	16,009.0	2,985.0	(D)	(D)
Shellfish	7,677.0	3,571.0	2,123.0	(D)	(D)
Finfish	2,302.0	(D)	349.0	(D)	(D)
Algae	8,447.0	7,653.0	(D)	(D)	(D)
Other 1/	3,744.0	(D)	(D)	(D)	(D)
2001					
Number of operations	80	33	32	4	11
Production (1,000 lb.)	1,633.0	(D)	(D)	(D)	(D)
Shellfish	1,166.0	425.0	304.0	(D)	(D)
Finfish	467.0	(D)	95.0	(D)	(D)
Algae	(NA)	(NA)	(NA)	--	(NA)
Value ($1,000)	22,200.0	16,198.0	2,815.0	(D)	(D)
Shellfish	7,464.0	3,061.0	1,843.0	(D)	(D)
Finfish	2,404.0	(D)	491.0	(D)	(D)
Algae	9,684.0	9,021.0	(D)	--	(D)
Other 1/	2,648.0	(D)	(D)	(D)	(D)

NA Not Applicable.
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> accessed on March 20, 2003.

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: 2002*, Sections 18.

Table 20.01-- FOREST AND NATURAL AREA ACREAGE, BY ISLANDS: JUNE 30, 2002

Island	Conservation district forest land		Natural areas 3/	
	Forest reserve land 1/	Private forest land 2/	Number of areas	Acres
2002				
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: 2000 TO 2002

[Years ended June 30]

County	Number of Fires			Acres burned		
	2000	2001	2002	2000	2001	2002
State total	107	116	191	22,483	288	2,383
Hawaii	71	48	148	21,031	88	224
Maui	11	53	33	319	103	278
Honolulu	12	12	7	1,100	97	1,875
Kauai	13	3	3	33	1	6

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: 2000 TO 2002

County	Number of Fires			Acres burned		
	2000	2001	2002	2000	2001	2002
State total	125	108	191	2,931.3	1,080.3	2,383.4
Lighting	1	-	1	2.0	-	0.1
Campfire	3	8	9	0.3	6.3	0.8
Smoking	13	13	13	9.7	16.3	28.7
Debris burning	22	7	23	241.7	17.7	9.0
Arson	18	13	16	74.1	117.6	139.4
Equipment	11	5	7	2,197.6	61.5	0.7
Railroads	-	-	-	-	-	-
Children	13	3	5	12.7	11.6	1.8
Miscellaneous	44	59	117	393.2	849.3	2,202.9

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

Table 20.05-- COMMERCIAL FISHING: 1989 TO 2002

[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	3,898	26,844,548	26,064,726	60,473,528
2001 2/ 3/	3,465	21,150,892	20,355,033	45,546,327
2002 2/	3,081	21,270,643	20,543,297	44,852,187

1/ Represents the total catches of all licensed commercial fishers. Includes both sea and pond catches.
2/ Figures for 2001-2002, excludes pond catches. Omitted to avoid disclosure of individual operators.
3/ 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: 2001

[Revised from previous year databook. Year ended June 30, 2001]

Species	Pounds caught	Pounds sold	Value (dollars)
Total catch	21,146,568	20,350,709	45,538,222
Sea catch, all species	21,146,568	20,350,709	45,538,222
Tunas	13,198,223	12,946,650	31,177,617
Aku (Skipjack)	1,526,863	1,444,271	1,832,121
Tombo	2,772,728	2,760,687	3,320,280
Bigeye (ahi)	4,374,889	4,338,299	14,808,759
Yellowfin (ahi)	4,510,636	4,394,202	11,201,007
Billfishes	2,468,444	2,318,190	4,094,255
Blue marlin	975,060	868,571	953,243
Shortnose spearfish	272,653	255,533	243,261
Striped marlin	558,760	534,220	786,172
Swordfish	632,927	632,554	2,081,041
Miscellaneous pelagic species	3,051,526	2,871,235	5,128,815
Mahimahi	1,256,092	1,170,731	2,185,145
Monchong	187,038	186,312	323,051
Ono	918,490	826,134	1,586,582
Opah	572,251	572,036	848,777
Deep bottom fishes	632,970	574,080	2,099,794
Ehu	38,776	35,359	136,615
Hapuupuu	41,461	39,374	139,706
Opakapaka	198,752	187,472	794,557
Uku	112,233	106,933	271,573
Ulaula (onaga)	128,299	121,258	602,622
Akule/opelu	1,210,849	1,112,186	1,776,481
Akule	939,574	850,684	1,308,774
Opelu	254,727	245,752	439,549
Jacks	87,324	73,984	133,529
Inshore fishes	261,312	247,600	519,251
Sharks	122,685	118,325	112,294
Lobsters	8,715	7,764	89,980
Spiny	8,601	7,657	88,969
Slipper	114	107	1,011
Crabs	19,652	15,640	57,025
Shrimps	6,436	6,395	53,266
Seaweeds	14,655	13,671	38,816
Miscellaneous	63,777	44,989	257,096
Pond landings, all species	(D)	(D)	(D)

(D) Data omitted due to low level of fishermen reporting and to preserve confidentiality.

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 20.07-- COMMERCIAL FISH CATCH, BY SPECIES: 2002

[Year ended June 30, 2002]

Species	Pounds caught	Pounds sold	Value (dollars)
Total catch	21,263,291	20,535,945	44,833,829
Sea catch, all species	21,263,291	20,535,945	44,833,829
Tunas	13,549,469	13,350,093	32,308,756
Aku (Skipjack)	1,143,130	1,069,358	1,409,109
Tombo	1,938,809	1,931,269	2,359,261
Bigeye (ahi)	6,848,066	6,810,073	20,743,458
Yellowfin (ahi)	3,603,850	3,526,597	7,778,258
Billfishes	2,765,159	2,547,068	3,374,550
Blue marlin	1,259,084	1,082,585	1,034,549
Shortnose spearfish	251,440	241,338	196,843
Striped marlin	822,603	792,869	965,231
Swordfish	403,939	403,544	1,152,066
Miscellaneous pelagic species	3,065,371	2,916,586	5,006,010
Mahimahi	1,080,343	991,685	1,907,748
Monchong	353,161	352,839	481,666
Ono	705,150	647,336	1,397,089
Opah	743,400	743,077	980,894
Deep bottom fishes	524,491	477,855	1,839,866
Ehu	30,812	27,981	106,635
Hapuupuu	31,429	29,747	122,643
Opakapaka	124,415	117,189	574,477
Uku	123,525	116,507	286,429
Ulaula (onaga)	130,881	123,989	622,676
Akule/opelu	741,915	684,459	1,160,444
Akule	470,941	432,104	713,764
Opelu	210,805	199,820	371,997
Jacks	69,856	58,436	104,158
Inshore fishes	277,577	262,843	590,942
Sharks	174,908	166,535	92,488
Lobsters	9,871	9,126	112,999
Spiny	9,815	9,106	112,817
Slipper	56	20	182
Crabs	15,533	11,813	51,831
Shrimps	5,079	5,032	39,149
Seaweeds	11,896	10,749	40,966
Miscellaneous	52,166	35,350	111,669
Pond landings, all species	(D)	(D)	(D)

(D) Data omitted due to low level of fishermen reporting and to preserve confidentiality.

Source: Hawaii State Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Fish Landings, State of Hawaii–Fiscal Years 2002* and records.

Table 20.08-- COMMERCIAL SEA LANDINGS, BY ISLANDS: 2001 AND 2002

[Years ended June 30]

Island	Pounds landed	Pounds sold	Value (dollars)
2001 1/			
State total	21,146,568	20,350,709	45,538,222
Hawaii	2,949,525	2,740,130	5,463,221
Maui	531,475	401,895	1,272,659
Lanai	17,186	13,452	32,803
Molokai	32,659	26,329	108,292
Oahu	16,897,255	16,563,341	37,079,475
Kauai and Niihau	718,468	605,562	1,581,772
2002			
State total	21,263,291	20,535,945	44,833,829
Hawaii	3,116,854	2,868,840	4,981,933
Maui	429,899	321,086	1,018,849
Lanai	13,036	9,531	24,683
Molokai	24,246	17,962	73,531
Oahu	17,146,560	16,886,966	37,632,735
Kauai and Niihau	532,696	431,560	1,102,097

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: 2001 AND 2002

[Years ended June 30]

Fishing method	Pounds landed	Pounds sold	Value (dollars)
2001 1/			
All methods	21,146,568	20,350,709	45,538,222
Aku pole and line	978,315	965,691	1,408,438
Longline	12,672,461	12,652,478	29,792,662
Handline	3,459,657	3,302,929	7,546,743
Trolling	2,808,312	2,313,719	4,737,209
Net	1,052,667	964,009	1,461,018
Trap	52,041	51,337	141,282
All other methods	123,115	100,546	450,870
2002			
All methods	21,263,291	20,535,945	44,833,829
Aku pole and line	791,728	789,884	1,111,447
Longline	14,093,382	14,081,260	32,501,565
Handline	3,165,782	3,016,687	6,140,247
Trolling	2,382,569	1,886,680	3,587,556
Net	690,460	640,766	1,051,995
Trap	38,355	38,246	108,233
All other methods	101,015	82,422	332,786

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 2001-2002* 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 (Acanthurus triostegus)	1	958	3	137
Yellow-eye damsel (Eupomacentrus fasciolatus)	2	221	(1/)	(NA)
Aholehole (Kuhlia sandvicensis)	3	203	9	48
Redlipped parrot (Scarus rubroviolaceus)	(1/)	(NA)	1	414
Clown tang (Naso lituratus)	10	78	2	212
Honolua-Mokuleia Bay MLCD:				
Maiii/lavender tang (Acanthurus nigrofuscus)	1	1,416	1	127
Saddle-back wrasse (Thalassoma duperrey)	2	1,325	4	54
Kole (Ctenochaetus strigosus)	3	647	3	92
Clown tang (Naso lituratus)	(1/)	(NA)	2	102
Kealakekua Bay MLCD:				
Kole (Ctenochaetus strigosus)	1	303	6	15
Agile damsel (Chromis agilis)	2	283	3	30
Blackfin damsel (Chromis vanderbilti)	3	277	(1/)	(NA)
Yellow tang (Zebrasome flavescens)	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: 1999 TO 2001

[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	1999	2000 1/	2001 2/
QUANTITY (1,000 METRIC TONS)			
Cement:			
Masonry	3	3	3
Portland	254	286	110
Gemstones	(NA)	(NA)	(NA)
Sand and gravel (construction)	508	607	650
Stone (crushed)	5,870	5,770	5,000
VALUE ($1,000)			
Total	86,400	92,000	69,700
Cement:			
Masonry 3/	298	645	600
Portland 3/	24,700	26,800	10,200
Gemstones	55	(4/)	77
Sand and gravel (construction)	5,840	6,420	6,970
Stone (crushed)	55,500	58,100	51,900

NA Not availiable.
1/ Revised.
2/ Preliminary.
3/ For 1999 to 2001, data have been estimated.
4/ Value excluded to avoid disclosing company proprietary data.
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: 2002*.

Table 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTIES: 1998 TO 2002

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
NUMBER ISSUED					
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	19,466	12,929	3,288	1,237	2,012
2002	2/ 14,172	14,172	3,437	2/ 478	1,915
ESTIMATED VALUE ($1,000)					
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	1,585,739	2/ 682,660	380,249	210,094	312,737
2002	2/ 1,772,027	876,049	449,601	2/ 172,660	273,716

1/ Kauai County data for November consisted of residential data only.
2/ Kauai County data consists of residential data only.
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: 2000 TO 2002

[In thousands of dollars]

Category	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
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	466,712	319,423	35,855	27,541	83,894
2001					
Total	1,585,739	682,660	380,249	2/ 210,094	312,737
Residential	882,444	308,622	253,021	2/ 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
2002					
Total	3/ 1,772,027	876,049	449,601	3/ 172,660	273,716
Residential	1,112,912	433,841	319,788	172,660	186,622
Hotel	3/ 2,000	1,050	950	(NA)	-
Non-residential	3/ 252,194	121,322	92,488	(NA)	38,384
Additions and alterations	3/ 404,921	319,836	36,375	(NA)	48,710

NA Not available.

1/ Kauai County data for November consisted of residential data only.

2/ Includes time share units valued at about $29.6 million.

3/ Totals do not include hotel, non-residential and additions/alterations data for Kauai County. Only Kauai County residential data was available.

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: 2000 TO 2002

[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	2000	2001	2002
One-family	160,503	169,121	172,027
Two-family 1/	84,598	128,273	139,580
Multi-family 2/	64,729	98,081	3/ 208,622

1/ Not comparable to data shown for years prior to 2000 due to changes in the statistical reporting system.

2/ Not comparable to data shown for years prior to 2000 due to changes in the statistical reporting system. Includes time-share units.

3/ Includes 103 time-share units listed for one project.

Source: City and County of Honolulu Department of Planning and Permitting, *Monthly Bulletin - Building Permits* (annual) <http://www.honoluludpp.org/calendar/> accessed March 17, 2003; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 21.04-- GENERAL EXCISE TAX BASE FOR CONTRACTING: 1992 TO 2002

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

Year 1/	Amount	Year 1/	Amount	Year 1/	Amount
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	2002	4,274,956
1995	3,133,510	1999	2,991,201		

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	Establishments	No. of employees		Payroll ($1,000)		Value of construction work ($1,000)
			All	Construction workers	All employees	Construction 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: 1997 TO 2002

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui
New 1-family dwellings:						
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	1/ 3,789	1,573	1/ 2,216	1,129	320	1/ 767
2002	4,322	1,822	2,500	1,243	450	807
New duplex units:						
1997	1/ 44	38	1/ 6	4	-	1/ 2
1998	1/ 114	54	1/ 60	20	2	1/ 38
1999	1/ 77	27	1/ 50	6	2	1/ 42
2000	1/ 148	100	1/ 48	20	4	1/ 24
2001	1/ 148	78	1/ 70	22	20	1/ 28
2002	238	126	112	38	38	36
New apartments:						
1997	1/ 1,083	856	1/ 227	65	15	1/ 147
1998	1/ 589	496	1/ 93	52	1	1/ 40
1999	1/ 1,037	570	1/ 467	221	28	1/ 218
2000	1/ 852	253	1/ 599	327	1/ 27	1/ 245
2001	1/ 908	275	1/ 633	236	2/ 144	1/ 253
2002	1,592	849	743	255	117	371
Units demolished: 3/						
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	4/ 43
2002	398	310	88	33	21	34

NA Not available.

1/ Revised based on monthly report compiled by the Hawaii State Department of Business, Economic Development & Tourism from county building departments.

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.

4/ Revised.

Source: Compiled from county building departments by the Hawaii State Department of Business, Economic Development & Tourism using monthly reports and annual surveys.

Table 21.08-- HONOLULU CONSTRUCTION COST INDEXES: 1992 TO 2002

[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/
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)
2002	149.9	(NA)	(NA)	139.5	(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 1993 TO 2002

[Biennial registration was started in June 1997]

Fiscal year	Associations registered	Apartments represented	Fiscal year	Associations registered	Apartments represented
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	116,750
1996	1,249	107,580	2001	1,419	118,209
1997	1,277	106,052	2002	1,439	133,276

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.

Source: Hawaii Real Estate Commission, *2002 Annual Report,* pp. 33 <http://www.state.hi.us/hirec/index2.html> accessed December 27, 2002.

Table 21.10-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE OF HAWAII: 1998 TO 2002

[Fiscal years ended June 30]

Subject	1998	1999	2000	2001	2002
Projects	226	211	225	210	201
Individual units	2,025	2,363	1,693	2,918	3,094

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: 1998 TO 2002

[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	1998	1999	2000	2001	2002
All types	117	85	109	111	112
Residential	84	47	64	66	1/ 79
2 units or fewer	52	13	17	17	23
3 to 15 units	19	18	26	27	27
16 to 50 units	10	11	17	12	15
More than 50 units	3	5	4	10	12
Commercial and other	5	11	18	15	5
Agricultural	28	27	27	30	28

1/ Subcategory figures do not sum to the total.

Source: Hawaii Real Estate Commission, *2002 Annual Report* , pp. 31 and 33 <http://www.state.hi.us/hirec/index2.html> accessed December 27, 2002.

Table 21.12-- HOUSING UNITS CONVERTED FROM RENTAL UNITS TO CONDOMINIUM UNITS: 1998 TO 2002

[Fiscal years ended June 30]

Subject	1998	1999	2000	2001	2002
Projects	54	73	55	44	89
Housing units	665	368	342	454	591

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: 2002

Subject	State total	Oahu	Hawaii	Kauai	Maui	Molokai
Properties	72	10	13	18	30	1
Registered units 1/	4,967	981	884	1,667	1,428	7
Operated units 2/	4,555	710	884	1,641	1,313	7

1/ Number of units not yet available for sale, currently available for sale, have already been sold, and are currently in use by visitors.

2/ Number of units which have been sold and are used.

Source: Hawaii Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, *2002 Visitor Plant Inventory,* pp. 57-58.

Table 21.14-- NUMBER OF TAXPAYERS CLAIMING HOME EXEMPTIONS: 1998 TO 2003

[As of January 1. Based on number of taxpayers claiming home exemptions]

Tenure and county	1998	1999	2000	2001	2002	2003
TOTAL OWNER-OCCUPIED						
State total	188,570	189,954	189,756	(NA)	195,254	197,492
Honolulu	130,823	130,959	129,506	128,836	132,176	133,121
Maui	19,166	19,537	19,951	(NA)	21,146	21,477
Hawaii	28,536	29,293	29,966	(NA)	31,359	32,115
Kauai	10,045	10,165	10,333	10,325	10,573	10,779
FEE SIMPLE						
State total	176,973	178,933	179,344	(NA)	185,216	187,607
Honolulu	120,843	121,560	120,748	120,580	123,794	124,913
Maui	18,437	18,828	19,226	(NA)	20,362	20,652
Hawaii	27,881	28,615	29,254	(NA)	30,708	31,466
Kauai	9,812	9,930	10,116	10,108	10,352	10,576
LEASEHOLD						
State total	11,597	11,021	10,412	(NA)	10,038	9,885
Honolulu	9,980	9,399	8,758	8,256	8,382	8,208
Maui	729	709	725	(NA)	784	825
Hawaii	655	678	712	(NA)	651	649
Kauai	233	235	217	217	221	203

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* (annual) <http://www.co.honolulu.hi.us/rpa> accessed August 15, 2003.

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 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 surevey 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-- HOUSING UNIT ESTIMATES, BY COUNTIES: 2000 TO 2002

County	April 1 2000	July 1 2000	July 1 2001	July 1 2002	Percent change April 1, 2000 to July 1, 2002
State total	460,542	461,663	466,147	470,512	2.2
Honolulu	315,988	316,461	318,356	320,256	1.4
Hawaii	62,674	63,013	64,367	65,605	4.7
Kauai	25,331	25,392	25,637	25,962	2.5
Maui 1/	56,549	56,797	57,787	58,689	3.8

1/ Maui County includes Kalawao County.

Source: U.S. Census Bureau, Population Division, *County Housing Unit Estimates* HU-EST2002-05-15 (July 18, 2003), <http://eire.census.gov/popest/data/household/tables/HU-EST2002-05-15.xls> accessed July 18, 2003.

Table 21.19-- 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/Moiliili	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 21.19-- NUMBER OF HOUSING UNITS IN OAHU NEIGHBORHOODS: 1990 AND 2000 -- Con.

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 21.20-- 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 21.20-- HOUSING CHARACTERISTICS OF OAHU NEIGHBORHOODS: 2000 -- Con.

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://honoluludpp.org/planning/demographics/cp-toc.pdf> accessed June 13, 2002.

Table 21.21-- VACANCY AND HOMEOWNERSHIP RATES, FOR THE STATE AND HONOLULU MSA: 1992 TO 2002

Year	Rental vacancy rate		Homeowner vacancy rate		Homeownership rate	
	State total	Honolulu MSA 1/	State total	Honolulu MSA 1/	State total	Honolulu MSA 1/
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
2002	7.3	5.6	0.9	1.0	57.4	56.4
Standard error	0.8	0.8	0.2	0.3	0.9	1.1
U.S. 2002	9.0	3/ 8.8	1.7	3/ 1.6	67.9	3/ 66.1

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: 2002" <http://www.census.gov/hhes/www/housing/hvs/annual02/ann02ind.html> accessed May 19, 2003.

Table 21.22-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE FOR THE METROPOLITAN HONOLULU OFFICE MARKET, BY SUBMARKET: 1994 TO 2002

[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/	1994	1995	1996	1997	1998	1999	2000	2001	2002
Downtown 2/	15.4	16.4	16.1	15.2	14.2	14.1	12.2	13.5	13.5
Suburban 3/	11.1	12.1	12.9	12.5	14.5	13.7	4/ 14.1	4/ 13.7	14.8

1/ The vacancy rates are for Class A and Class B buildings which were included in the survey. Class A buildings are those in excellent locations which have high-quality tenants, high-quality finish, are well-maintained, are professionally managed, and are usually new, or old buildings that are competitive with new buildings. Class B buildings are those in good locations that are professionally managed and have fairly high-quality construction and tenancy. Class B buildings generally show very little functional obsolescence and deterioration.

2/ Downtown is comprised of the Central Business District Submarket. Buildings surveyed in Downtown are 40,000 square feet and above.

3/ Suburban is comprised of eight submarkets: Kapiolani Corridor (Ala Moana, Kakaako, Kapiolani); Waikiki; East Oahu (Hawaii Kai to Kahala); East Central Oahu (Kaimuku to Kalihi); West Central Oahu (Mapunapuna to Pearl City); Leeward (Pearl City to Waipahu); West Oahu (Waipahu to Kapolei); and Windward (Kailua to Kaneohe). Buildings surveyed in the suburban market are 20,000 square feet and above.

4/ Revised.

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 21.23-- HOUSING AND COMMUNITY DEVELOPMENT CORPORATION OF HAWAII PUBLIC HOUSING OPERATIONS: 2000 TO 2002

[Years ended June 30]

Subject	2000	2001	2002
Total units owned by HCDCH on June 30	6,577	6,577	1/ 6,262
Occupied	5,726	5,193	5,347
Population in units on June 30	15,724	13,784	13,798
Per occupied unit	2.74	2.65	2.80
Operating revenues of HCDCH, fiscal year: 2/			
Gross ($1,000)	3/ 22,954	3/ 23,497	23,699
Net ($1,000)	3/ -306	3/ 2,701	-1,551
Operating revenues per unit per month, fiscal year (dollars) 2/	3/ 354	3/ 362	366
Rent charged per unit per month, fiscal year (dollars) 2/	3/ 198	3/ 203	197

1/ Federal low-rent, 5,398; State low-rent, 288; State elderly, 576.
2/ Federal projects only; revenue amounts include Federal subsidies.
3/ Revised.
Source: Hawaii State Department of Business, Economic Development & Tourism, Housing and Community Development Corporation of Hawaii, records.

Table 21.24-- REAL ESTATE LICENSES, ACTIVE AND INACTIVE, BY TYPE OF LICENSE AND LOCATION: MARCH 12, 2003

[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	9,968	4,005	Oahu	6,034	2,387
			Hawaii	1,333	412
Broker:			Maui	1,736	463
Individual	3,354	537	Kauai	775	284
Corporation or partnership	1,050	41	Molokai	31	2
Limited Liability Corporation/			Lanai	11	3
Limited Liability Partnership	-	-	U.S. mainland	48	427
			Foreign	-	27
Salesman	5,564	3,427			

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

Table 21.25-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1992 TO 2002

[Data include single family, condominium/cooperative, vacant, multi-family, commercial/industrial, business opportunities]

Year	Number listed	Number sold	Percent sold	Mean sales price (dollars)
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
2002	13,967	9,695	69.4	286,594

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.26-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, BY TYPE OF PROPERTY, FOR OAHU: 2000 TO 2002

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Mean	Median
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
2002					
Total	13,967	9,695	69.4	286,594	...
Single family	5,483	3,906	71.2	418,231	335,000
Condominium/cooperative	7,503	5,406	72.1	181,933	152,000
Vacant land	482	220	45.6	338,743	222,500
Multi-family	237	99	41.8	574,500	507,000
Commercial/industrial	163	51	31.3	571,216	400,000
Business opportunities	99	13	13.1	65,769	35,000

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.27-- MULTIPLE LISTING SERVICE SINGLE-FAMILY HOUSES SOLD, BY SELLING PRICE RANGE, FOR OAHU: 2000 TO 2002

Selling price range	2000	2001	2002
All properties	3,181	3,406	3,906
On leased land	71	65	68
Percent	2.2	1.9	1.7
Less than $100,000	79	89	62
$100,000 to $149,999	155	166	125
$150,000 to $199,999	410	395	281
$200,000 to $249,999	516	557	518
$250,000 to $299,999	458	499	598
$300,000 to $349,999	377	414	464
$350,000 to $399,999	305	367	476
$400,000 to $449,999	200	220	300
$450,000 to $499,999	142	155	214
$500,000 to $549,999	83	100	171
$550,000 to $599,999	62	72	148
$600,000 to $649,999	62	44	96
$650,000 to $699,999	41	69	78
$700,000 to $799,999	72	73	115
$800,000 to $899,999	46	58	80
$900,000 to $999,999	36	21	32
$1.0 to $1.9 million	90	79	122
$2.0 to $2.9 million	24	13	13
$3.0 to $3.9 million	11	9	6
$4.0 to $4.9 million	2	5	3
$5.0 million or more	10	1	4
Median value (dollars)	295,000	299,900	335,000
Mean value (dollars)	406,331	375,857	418,231

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.28-- MULTIPLE LISTING SERVICE COOPERATIVE AND CONDOMINIUM UNITS SOLD, BY SELLING PRICE RANGE, FOR OAHU: 2000 TO 2002

Selling price range	2000	2001	2002		
			Total	Fee simple	Lease-hold
All properties	3,926	4,261	5,406	4,002	1,404
Less than $50,000	461	362	282	128	154
$50,000 to $74,999	432	459	439	239	200
$75,000 to $99,999	607	631	552	361	191
$100,000 to $124,999	443	487	606	466	140
$125,000 to $149,999	402	464	738	539	199
$150,000 to $174,999	298	336	585	422	163
$175,000 to $199,999	256	339	462	373	89
$200,000 to $224,999	206	271	343	276	67
$225,000 to $249,999	184	222	357	303	54
$250,000 to $274,999	97	149	244	206	38
$275,000 to $299,999	101	100	180	157	23
$300,000 to $349,999	123	140	222	200	22
$350,000 to $399,999	97	81	144	122	22
$400,000 to $449,999	51	69	68	52	16
$450,000 to $499,999	34	29	47	44	3
$500,000 to $599,999	47	38	53	42	11
$600,000 to $699,999	28	27	32	25	7
$700,000 to $799,999	10	15	14	12	2
$800,000 to $899,999	16	16	13	13	-
$900,000 to $999,999	14	16	5	3	2
$1,000,000 or more	19	10	20	19	1
Median value (dollars)	125,000	133,000	152,000	164,000	125,000
Mean value (dollars)	165,674	168,013	181,933	195,332	143,588

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.29-- MULTIPLE LISTING SERVICE, NUMBER OF SINGLE FAMILY AND CONDOMINIUM RESALES, BY ISLAND: 1992 TO 2002

Category and year	State total	Oahu	Hawaii	Kauai	Maui
SINGLE FAMILY					
1992	3,477	1,985	820	264	408
1993	3,262	1,941	761	190	370
1994	3,668	2,175	906	199	388
1995	2,961	1,642	823	142	354
1996	3,157	1,749	805	162	441
1997	3,724	2,025	950	199	550
1998	4,649	2,495	1,152	321	681
1999	5,386	2,853	1,190	357	986
2000	5,870	3,181	1,325	427	937
2001	6,628	3,406	1,652	558	1,012
2002	7,577	3,906	1,926	733	1,012
CONDOMINIUM					
1992	4,204	3,341	264	94	505
1993	4,082	3,262	292	75	453
1994	4,389	3,370	314	138	567
1995	3,185	2,260	282	96	547
1996	3,034	1,990	358	123	563
1997	3,520	2,100	443	144	833
1998	4,434	2,632	494	267	1,041
1999	5,513	3,298	475	327	1,413
2000	6,351	3,926	575	345	1,505
2001	6,746	4,261	568	518	1,399
2002	8,492	5,406	703	701	1,682

Source: Data compiled by Prudential Locations Research from each county's Board of Realtors MLS.

Table 21.30-- MULTIPLE LISTING SERVICE, MEDIAN SALES PRICE OF SINGLE FAMILY AND CONDOMINIUM RESALES, BY ISLAND: 1992 TO 2002

[In dollars]

Category and year	State total 1/	Oahu	Hawaii	Kauai	Maui
SINGLE FAMILY					
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
2001	2/ 271,274	2/ 299,000	189,000	266,500	300,000
2002	2/ 337,100	2/ 335,000	194,500	320,000	376,985
CONDOMINIUM					
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
2001	2/ 141,000	2/ 133,000	136,750	155,000	195,000
2002	2/ 172,250	2/ 152,000	166,000	179,674	205,500

1/ Weighted by the number of resales.

2/ Honolulu Board of Realtors data was used for the Oahu island figures. The state total, however, does not reflect differences in the Oahu median sales prices between the Honolulu Board of Realtors database and the Prudential Locations Research database.

Source: Data compiled by Prudential Locations Research from each county's Board of Realtors MLS.

Table 21.31-- NUMBER OF DEEDS FILED AND RECORDED AND APPROXIMATE VALUE OF LAND CONVEYED: 1998 TO 2002

[For calendar years. Data include leases, agreement of sales assignments, subleases, timeshares, etc., as well as deeds]

Subject	1998	1999	2000	2001	2002
Number of deeds filed and recorded	70,057	76,331	80,001	83,229	91,723
Approximate value of land conveyed ($1,000)	7,440,642	8,311,047	9,689,367	10,167,267	10,811,198

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

Table 21.32-- APPROXIMATE VALUE OF LAND TRANSFERS, BY COUNTIES: 2000 TO 2002

[In dollars. For calendar years. Totals include leases, agreement of sales assignments, subleases, etc., as well as deeds]

County	2000	2001	2002
State total	9,689,367,480	10,167,267,210	10,811,198,328
Honolulu	5,138,547,380	5,447,027,600	5,783,194,600
Maui	2,316,618,400	2,131,622,500	2,164,630,528
Hawaii	1,548,501,300	1,786,101,410	2,053,320,600
Kauai	685,700,400	802,515,700	810,052,600

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

Table 21.33-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT: 1997 TO 2002

Year	State total	First Circuit 1/	Second Circuit 2/	Third Circuit 3/	Fifth Circuit 4/
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
2002	948	624	110	151	63

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 21.34-- ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES: DECEMBER 31, 2002

Facility	State total	Oahu	Hawaii		Maui	Molo-kai	Lanai	Kauai
			Hilo	Kona				
Total	6,191	4,898	188	247	596	4	21	237
Elevators	5,103	4,007	135	223	514	1	20	203
Hydro (Under 9 stories)	1,649	1,084	74	118	229	1	9	134
Roped:								
Under 9 stories	1,606	1,167	50	105	219	-	11	54
9 to 18 stories	1,142	1,050	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	29	2	2	4	13	-	-	8
Manlifts	8	8	-	-	-	-	-	-
Handicap/chairlifts	282	200	25	17	23	3	-	14
Dumbwaiters	337	281	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 21.35-- TALLEST STRUCTURES, BY ISLANDS: MARCH 2003

Island and structure	Location	Year completed	Height	
			Stories	Feet
BUILDINGS 1/				
Hawaii:				
Bayshore Towers	Hilo	1970	15	135
Maui: 2/				
Kalana O Maui (County Bldg.)	Wailuku	1972	9	140
Royal Lahaina Hotel	Kaanapali	1970	12	132
Lanai: 2/				
Manele Hotel	Hulopoe Bay	1991	3	48
Molokai: 2/				
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: 2/				
KMVI Radio Tower	Wailuku	1992	...	455
Lanai: 2/				
Storage tanks	Manele Harbor	...	...	50
Molokai: 2/				
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.
2/ As of March 2002.
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: 2002*.

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 year	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 Series, Hawaii,* 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 Series, Hawaii,* EC97M31A-HI (May 2000), table 1.

Table 22.05-- PRIVATE INDUSTRY MANUFACTURING EMPLOYMENT AND WAGES, ANNUAL AVERAGES: 2001

[Data are preliminary and subject to revision]

NAICS code	Manufacturing	Average establish-ments	Annual average employ-ment	Total annual wages ($1,000)	Annual wages per employee
	Total	1,148	16,435	494,082	30,062
311	Food mfg.	315	6,824	160,178	23,471
3114	Fruit & vegetable preserving & specialty	26	861	23,800	27,632
3115	Dairy product mfg.	13	470	16,577	35,239
3116	Animal slaughtering & processing	23	390	7,854	20,124
3118	Bakeries & tortilla mfg.	130	2,132	43,554	20,428
3121	Beverage mfg.	26	829	27,525	33,212
3133	Textile & fabric finishing mills	4	35	951	26,853
314	Textile product mills	29	93	2,034	21,836
3162	Footwear mfg.	4	40	597	15,080
3212	Plywood & engineered wood product mfg.	6	105	3,605	34,248
3219	Other wood product mfg.	26	194	4,732	24,340
3222	Converted paper product mfg.	4	143	6,311	44,106
3231	Printing & related support activities	144	1,327	40,918	30,839
325	Chemical mfg.	38	534	20,497	38,367
326	Plastics & rubber products mfg.	18	226	7,285	32,283
3272	Glass & glass product mfg.	9	49	1,150	23,383
3273	Cement & concrete product mfg.	37	760	38,483	50,658
3279	Other non-metallic mineral products	13	106	2,829	26,770
332	Fabricated metal product mfg.	45	389	14,642	37,633
333	Machinery mfg.	8	57	1,480	26,086
334	Computer & electronic product mfg.	8	341	26,024	76,372
336	Transportation equipment mfg.	27	558	21,908	39,232
337	Furniture & related product mfg.	65	619	19,851	32,083
3391	Medical equipment & supplies mfg.	46	245	6,997	28,541
3399	Other miscellaneous mfg.	123	917	21,892	23,886

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages Annual Averages, 2001* (December 2002), Bulletin 2554, table 10.

Table 22.06-- GENERAL EXCISE TAX BASE FOR MANUFACTURING: 1987 TO 2002

[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
				2002	612,658

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 December 6, 2002]

Subject	State total	Hawaii	Maui	Oahu	Kauai
Number of parks	18	4	4	10	-
Acres					
Total	4,316	1,474	663	2,179	-
Developed	1/ 2,244	2/ 174	154	3/ 1,917	-

1/ Excluding those listed under 2/ and 3/.
2/ Excluding Natural Energy Laboratory of Hawaii Authority (NELHA) (total of 870 acres), and Makalapua Business Center (total of 86 acres).
3/ Excluding Halawa Business Park (total of 39 acres).
Source: Pacific Business News, December 6, 2002.

Table 22.08-- PINEAPPLE COMPANIES AND CANNERIES, AND SUGAR COMPANIES AND MILLS, 1945 TO 2002, AND BY ISLANDS, 2001 AND 2002

Year	Pineapple (end of canning season)		Sugar (December 31)	
	Companies	Canneries	Companies 1/	Mills
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
2002	3	1	2	2
ISLANDS: 2001				
Hawaii	-	-	-	-
Maui	1	1	1	1
Oahu	2	-	-	-
Kauai	-	-	1	1
ISLANDS: 2002				
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 2002

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
2002	47,476	21,311	2,108,810	270,084	252,421	89,885

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 2001

[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
2001	67.7	68.9	86.4	4.2

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 July 25, 2003.

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: 2002*, 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 2002

[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
2002	17,873,487	6,831,646	265,334	331,944	9,288,532

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	Establish-ments (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 establish-ments	Sales ($1,000)	Annual payroll ($1,000)	Paid employ-ees 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: 2001

NAICS code	Retail trade	No. of establish-ments	Average employ-ment	Total wages ($1,000)	Average wage
	Total	4,985	66,437	1,460,085	21,977
44111	New car dealers	68	3,975	168,854	42,477
44112	Used car dealers	26	139	5,602	40,254
441221	Motorcycle dealers	23	212	6,793	32,081
44132	Automotive parts and accessories stores	167	1,418	31,061	21,902
4421	Furniture stores	83	658	19,724	29,960
44221	Floor covering stores	39	380	12,595	33,131
442291	Window treatment stores	14	45	996	22,178
442299	All other home furnishing stores	53	406	7,231	17,829
443111	Household appliance stores	42	258	7,369	28,560
443112	Radio, TV, and other electronics stores	88	699	15,751	22,526
44312	Computer and software stores	56	535	16,969	31,708
44313	Camera and photographic supplies stores	6	32	597	18,952
44411	Home centers	40	1,567	51,576	27,113
44412	Paint and wallpaper stores	12	127	4,443	34,941
44413	Hardware stores	60	1,040	23,000	22,111
44419	Other building material dealers	79	670	26,193	39,113
44421	Outdoor power equipment stores	7	30	730	24,667
44422	Nursery, garden, and farm supply stores	23	246	5,338	21,735
44511	Supermarkets and other grocery stores	233	8,886	183,795	20,685
44512	Convenience stores	124	1,442	21,210	14,709
44521	Meat markets	34	198	3,465	17,502
44522	Fish and seafood markets	46	509	10,478	20,574
44523	Fruit and vegetable markets	35	252	5,137	20,359
445291	Baked goods stores	31	181	4,124	22,824
445292	Confectionery and nut stores	44	340	5,569	16,399
445299	All other specialty food stores	78	859	13,644	15,877
4453	Beer, wine, and liquor stores	59	212	3,853	18,198
44611	Pharmacies and drug stores	163	3,685	98,908	26,841
44612	Cosmetic and beauty supply stores	54	362	8,374	23,112
44613	Optical goods stores	40	304	6,670	21,971
446191	Food, health, supplement stores	43	261	4,197	16,072
446199	All other health and personal care stores	31	191	6,539	34,250
44711	Gasoline stations with convenience stores	191	2,233	36,025	16,135
44719	Other gasoline stations	79	726	12,113	16,677
44811	Men's clothing stores	71	799	12,837	16,059
44812	Women's clothing stores	227	1,867	30,502	16,334
44813	Children's and infant's clothing stores	20	134	1,544	11,495

Continued on next page.

Table 23.07-- PRIVATE INDUSTRY RETAIL EMPLOYMENT AND WAGES, ANNUAL AVERAGES: 2001 - Con.

SIC code	Retail trade	No. of establish-ments	Average employ-ment	Total wages ($1,000)	Average wage
44814	Family clothing stores	105	2,048	32,913	16,074
44815	Clothing accessories stores	86	533	12,712	23,857
44819	Other clothing stores	206	1,359	20,799	15,303
4482	Shoe stores	99	1,104	20,109	18,223
44831	Jewelry stores	371	2,016	47,903	23,761
44832	Luggage and leather goods stores	24	361	9,255	25,614
45111	Sporting goods stores	169	1,227	22,066	17,984
45112	Hobby, toy, and game stores	42	566	6,971	12,317
45113	Sewing, needlework, and piece goods stores	23	151	2,673	17,760
45114	Musical instrument and supplies stores	20	110	2,163	19,600
45121	Book stores and news dealers	57	897	15,002	16,718
45122	Prerecorded tape, CD, and record stores	49	417	6,882	16,515
452111	Department stores, except discount	23	5,148	103,792	20,161
452112	Discount department stores	25	4,025	69,283	17,214
45291	Warehouse clubs and supercenters	22	2,053	52,790	25,709
45299	All other general merchandise stores	67	682	9,246	13,550
4531	Florists	12	610	8,423	13,810
45321	Office supplies and stationery stores	72	875	18,736	21,411
45322	Gift, novelty, and souvenir stores	408	3,605	67,841	18,819
4533	Used merchandise stores	51	265	4,557	17,202
45392	Art dealers	130	644	17,942	27,878
45399	All other miscellaneous store retailers	136	635	11,087	17,451
45411	Electronic shopping and mail-order houses	30	48	2,008	41,692
4542	Vending machines operators	16	56	792	14,266
4543	Direct selling establishments	45	158	4,745	30,064

Note: Not comparable to previous year table, for 2001 NAICS code has replaced SIC code.
Source: U.S. Department of Labor, *Employment and Wages Annual Averages* (annnual).

Table 23.08-- RETAIL TRADE AND FOOD SERVICES SALES, BY TYPE OF STORE: 2001

[In millions of dollars; data are estimates]

Kind of store	NAICS code	2001
All retail stores 1/	NAICS 44, 45	12,308
Total Retail sales and food and drink		14,505
Motor vehicle and parts dealers	441	2,289
Furniture and home furnishings	442	199
Electronics and appliances	443	201
Building and material supply	444	580
Food and beverage stores	445	2,337
Health and personal care	446	884
Gasoline service stations	447	915
Clothing and accessories	448	1,509
Sporting goods, hobby, book, & music stores	451	399
General merchandise	452	2,336
Miscellaneous store	453	563
Nonstore retailers	454	95
Food services & drinking establishments	722	2,198

1/ 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: 2002, pp. 642-643.

Table 23.09-- CHARACTERISTICS OF MAJOR SHOPPING CENTERS: 2002

[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	1,800	9,000	230
Kahala Mall	Honolulu	1970	20	455	2100+	100
Koko Marina S.C.	Honolulu	1963	15	283	861	58
Moanalua S.C.	Honolulu	1952	15	250	500	50+
Pearl City S.C.	Pearl City	1967	14	255	837	34
Pearl Highlands Center	Pearl City	1993	13	410	2,000	24
Pearlridge Center	Aiea	1972	56	1,400	6,580	170
Royal Hawaiian S.C.	Honolulu	1980	7	293	614	150
Town Center of Mililani	Mililani	1987	45	489	2,502	70+
Victoria Ward Center	Honolulu	1980	65	650	1,200	165
Waikele Center	Waipahu	1993	42	522	2,162	25
Windward Mall S.C.	Kaneohe	1982	32	530	2,300	100
Hawaii:						
Keauhou Shopping Center	Kailua	1984	21	170	893	48
Prince Kuhio Plaza	Hilo	1985	46	504	2,831	75
Waiakea Center	Hilo	1997	18	229	1,157	16
Maui:						
Lahaina Market Place	Lahaina	1969	2	208	16	17
Maui Mall	Kahului	1971	25	193	700	43
Maui Marketplace	Kahului	1997	20	315	1,400	25
Piilani Village S.C.	Kihei	2000	15	150	750	30
Queen Kaahumanu Center	Kahului	1972	32	573	2,864	102
Shops at Wailea	Wailea	2000	16	161	900	62
Kauai:						
Kukui Grove Center	Lihue	1982	35	315	1,568	60

NA Not available.

Source: International Council of Shopping Centers, Hawaii Council of Shopping Centers, 2002 *Hawaii Council of Shopping Centers Directory.*

Table 23.10-- CHARACTERISTICS OF SHOPPING MALLS: 2001 AND 2002

Subject	Hawaii		United States
	2001	2002	2002
Number of shopping centers	190	192	46,438
Retail sales (billions of dollars)	3.9	4.1	1,245.6
Adults shopping in centers (Monthly in millions)	0.9	0.9	201.4
Employment in shopping centers (in thousands)	31.7	30.6	10,743.0
Sales tax revenues from shopping centers (in millions)	159.4	166.9	53,100.0

Source: International Council of Shopping Centers, 2003 State Card (Hawaii).

Table 23.11-- SHOPPING CENTER CHARACTERISTICS: 1998 TO 2001

Characteristic	1998	1999	2000	2001
Number	182	184	190	(NA)
Gross leasable area (mil. sq. ft.)	19	20	20	20
Retail sales (bil. dol.)	4.2	4.6	5.1	5.3

Source: *Statistical Abstract of the United States: 2002* (p. 650) 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 2002

[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	2002	149,962,722

Source: DFS Hawaii, records, for 1995-2002 data Hawaii State Department of Transportation, Airport Division records.

Table 23.14-- ALCOHOLIC BEVERAGE SALES, BY TYPE: 2000 TO 2002

Category	Wine gallons of 128 fluid ounces			Wholesale value, 2002 (dollars)
	2000	2001	2002	
All types	33,707,562	33,773,901	34,135,623	359,906,418
Distilled spirits	1,434,126	1,467,944	1,531,982	69,075,954
Sparkling wine	208,264	214,201	209,623	11,802,424
Still wine	2,793,299	2,824,342	2,848,250	87,163,191
Cooler beverage	206,902	229,674	792,722	7,082,127
Draft beer	1,927,724	1,976,106	2,189,750	10,925,129
Beer other than draft	27,137,247	27,061,634	26,563,296	173,857,593

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	As percent of total sales of -- 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	As percent of total sales of --: 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), table1.

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 establish-ments	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	Establish-ments (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, enginerring, 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	Establish-ments (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	Establish-ments (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	Establish-ments (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 establish-ments	Receipts ($1,000)	Annual payroll ($1,000)	Paid employees, pay period including March 12
72	Acommodation 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

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
	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 2002

[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
2002	70,783	36,457	9,297	7,037	17,992

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 2002

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
2002:	860	661	199	70,783	55,052	15,731

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 1999-2002.

Table 23.36-- VISITOR ACCOMMODATIONS, BY TYPE AND BY ISLANDS: 2001 AND 2002

Year and island	Properties			Units		
	Total	Hotels 1/	Condo-miniums 2/	Total	Hotels 1/	Condo-miniums 2/
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
2002						
State total	860	661	199	70,783	55,052	15,731
Oahu	193	166	27	36,457	33,015	3,442
Waikiki/Honolulu	114	89	25	31,717	28,386	3,331
Rest of Oahu	79	77	2	4,740	4,629	111
Other islands	667	495	172	34,326	22,037	12,289
Hawaii	171	143	28	9,297	7,412	1,885
Maui	242	140	102	17,404	9,856	7,548
Lanai	6	6	-	368	368	-
Molokai	10	6	4	220	119	101
Kauai	238	200	38	7,037	4,282	2,755

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: 2002

[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	860	193	667	70,783	36,457	34,326
Apartment-hotel	20	12	8	414	307	107
Bed and breakfast	124	11	113	485	28	457
Condominium	199	27	172	15,731	3,442	12,289
Hotel	156	80	76	37,928	31,442	6,486
Other 1/	361	63	298	16,225	1,238	14,987

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: 1996 TO 2001

County	1996 1/	1997 1/	1998	1999	2000	2001
State total	282	291	298	295	273	265
Hawaii	41	41	48	48	47	50
Honolulu	137	138	133	130	122	120
Kauai	31	31	38	36	32	34
Maui	73	81	79	81	72	61

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).

Table 23.39-- VISITOR ACCOMMODATIONS, BY NIGHTLY PRICE: 2002

[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	69,479	13,176	28,656	22,950	4,696
Island:					
Oahu	35,854	7,695	16,180	10,874	1,105
Hawaii	9,124	1,895	3,449	2,596	1,184
Kauai	6,995	1,029	3,103	2,263	600
Maui	16,917	2,494	5,816	6,977	1,630
Molokai	220	56	98	66	-
Lanai	368	7	10	174	177
Type of accommodation:					
Apartment, apartment-hotel	406	342	64	-	-
Bed and breakfast	460	261	189	10	-
Condominium	15,160	3,028	9,101	2,814	217
Hostel	339	339	-	-	-
Hotel	49,443	8,010	18,268	18,814	4,351
Individual vacation unit	1,539	812	520	139	68
Other	2,133	387	514	1,173	60

Note: Based on 782 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 2002

[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	77.9	151.79	2.08
2001 3/	72,204	36,824	35,380	71.5	151.91	2.05
2002	70,783	36,457	34,326	72.2	145.71	2.12

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 and 2001 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: 2002

[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	72.23	145.71	105.25
Oahu	74.73	100.94	75.43
Waikiki	75.01	101.27	75.96
Other Oahu	72.33	98.04	70.91
Hawaii	67.79	179.72	121.83
Hilo	60.89	75.28	45.84
Kona	77.12	87.85	67.75
Kohala	65.78	239.57	157.59
Maui	72.41	205.90	149.10
Kaanapali	75.13	175.76	132.04
West Maui	75.76	179.87	130.88
Other	70.49	240.99	169.87
Kauai	68.84	149.19	102.70
North	70.23	115.42	81.06
Central	71.74	106.32	76.28
South	64.24	227.09	145.87
Molokai	50.58	93.67	47.38

Source: PKF-Hawaii, *Trends in the Hotel Industry, Hawaii,* December 2002.

Table 23.42-- GENERAL EXCISE TAX BASE FOR RENTALS: 1985 TO 2002

[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
2002	6,184,616	2,227,341	3,957,275

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 establish-ments	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 Pulbic 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: 1998 TO 2002

Subject	1998	1999	2000	2001	2002
Number of features and programs filmed 1/	12	10	13	22	15
Feature films for theater viewing	3	2	5	4	5
TV movie of the week, television episodic, specials	6	6	7	18	10
Hawaii-based TV network series	3	2	1	0	0
Expenditures in Hawaii (million dollars)	99.1	98.1	136.0	83.3	147.2
Commercials	5.8	8.6	7.5	6.7	5.7
Hawaii-based TV series	28.2	25.0	20.0	0	0
Feature films	12.6	6.0	51.5	12.2	76.6
TV specials/episodics/movie of week	10.7	12.2	10.3	7.8	16.3
Others (still photography, sports, exercise or music video, cable, misc.)	6.2	9.1	12.1	14.8	13.1
Documentaries/industrials/news/ educational/travelog/video stock	2.6	2.9	2.0	9.2	2.4
Annual permit holders	11.0	11.0	10.3	13.0	11.0
Private property projects 2/	15.0	15.0	15.0	15.0	15.0
Sports events, annual (private) 2/	7.0	7.0	7.0	7.0	7.0
Tax revenues generated (million dollars) 3/	12.7	11.7	16.5	10.7	18.6
Spending effect on economy (million dollars) /3	158.3	156.7	217.3	132.6	234.9

1/ For 1998, includes only nationally televised series.
2/ 1998-2000 Data has been correct from previous year Databook.
3/ Data has been revised from previous year Databook.
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: 2002*. Long-term island trends are summarized in *Historical Statistics of Hawaii*, Section 21.

Table 24.01-- FOREIGN TRADE THROUGH THE HAWAII CUSTOMS DISTRICT: 1984 TO 2002

[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
2002	(NA)	(NA)	(NA)	513.7	(NA)

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 Massachusettes 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, 1984-2002; *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", 1993-01, <http://www.ita.doc.gov/td/industry/otea/state/> accessed July 18, 2003; and State Merchandise Export Totals to the World, 1999-2002 <http://ese.export.gov/ITA2002/Intro_NEW.htm> accessed September 17, 2003.

Table 24.02-- FOREIGN TRADE THROUGH THE HAWAII CUSTOMS DISTRICT, BY CLASSIFICATION: 1998 TO 2002

[In millions of dollars]

Classification	1998	1999	2000	2001	2002
General imports by district of entry:					
Customs value 1/	2,515.31	2,598.73	3,439.88	(NA)	(NA)
C.i.f. value 2/	2,634.90	2,721.29	3,601.73	(NA)	(NA)
General imports by district of unlading:					
Customs value 1/	3,393.45	4,256.43	5,630.19	(NA)	(NA)
C.i.f. value 2/	3,550.39	4,435.21	5,849.93	(NA)	(NA)
Imports for consumption by district of entry (customs value 1/)	2,217.22	2,298.69	2,875.65	(NA)	(NA)
Exports of domestic and foreign merchandise by district of export (f.a.s. value 3/)	1,042.27	1,182.73	702.72	(NA)	(NA)
Exports of merchandise by location of exporter 4/	211.4	243.5	368.8	319.1	392.0
Commodities	177.1	210.4	267.2	270.3	343.9
Manufactured commodities	126.4	173.5	209.9	227.3	277.4
Non-manufactured commodities	50.7	36.9	57.8	43.0	66.5
Reexports 5/	34.2	33.1	101.2	48.8	48.1
Exports of merchandise by origin of movement 6/	276.4	273.6	386.8	369.9	513.7
Commodities	234.6	234.5	312.9	340.3	487.8
Manufactured commodities	171.7	191.6	241.7	279.6	397.4
Non-manufactured commodities	62.9	42.9	71.2	60.7	90.4
Reexports 5/	41.8	39.1	73.8	29.5	25.9

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 2000-2002 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 1995-2002 exhibit 2 and 2A at <http://www.census.gov/foreign-trade/www/press.html> accessed September 17, 2003. U.S. Department of Commerce, International Trade Administration, "State Exports to Countries and Regions", 1995-2002, <http://www.ita.doc.gov/td/industry/otea/state/> accessed September 17, 2003.

Table 24.03-- 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 unlading. 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 24.04-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS: 1999 TO 2002

[Fiscal year ended September 30. Subzone No. 9-B, HFM filed deactivation request on June 29, 1999. Deactivation pending. Subzone No. 9-C, Dole Packaged Foods Co. deactivated on February 26, 1996]

Subject	1999	2000	2001	2002
Zone No. 9, General Purpose:				
Firms using zone	269	253	298	299
User employment at zone 1/	202	351	462	563
Value of merchandise ($1,000): 2/				
In/out 3/	373,336	616,204	564,644	520,654
Exports 3/	146,775	212,789	217,008	142,561
Revenue 4/ ($1,000)	1,421	1,474	1,553	1,576
Expenditures 4/ ($1,000)	1,231	1,253	5/ 1,174	1,542
Subzone No. 9-A, Tesoro Hawaii, Corp. 6/:				
User employment at subzone 1/	372	332	205	215
Employment at subzone				
Support employment off-site				
Value ($1,000): 2/				
Merchandise, in/out	942,673	1,557,329	1,855,447	1,566,753
Exports	103,211	149,704	131,774	120,714
Subzone No. 9-D, Maui Pineapple Co. Ltd.:				
User employment at subzone 1/	565	563	559	552
Value ($1,000): 2/				
Merchandise, in/out	111,295	109,488	109,525	98,988
Exports	1,482	2,071	1,578	1,661
Subzone No. 9-E, Chevron U.S.A. Products Co. Hawaii Refinery:				
User employment at subzone 1/	179	184	186	196
Value ($1,000): 2/				
Merchandise, in/out	547,221	1,007,560	1,116,821	861,127
Exports	45,579	43,129	58,111	50,030
Subzone No. 9-F, Citizens Utilities Company dba The Gas Company's Synthetic Natural Gas (SNG) Facility 7/				
User employment at subzone 1/	35	33	32	34
Value ($1,000):				
Merchandise, in/out	29,232	39,610	40,152	38,283

Continued on next page.

Table 24.04-- FOREIGN-TRADE ZONE AND SUBZONE OPERATIONS: 1999 TO 2002 -- Con.

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/ Revised.

6/ On May 29, 1998 Tesoro Hawaii Corporation acquired all of the outstanding stock of BHP Petroleum Americas Refining, Inc. from BHP Hawaii.

7/ On March 18, 1997, the Citizens' Utilities Company was granted its own subzone status. It was formerly part of Subzone 9-A.

Source: Hawaii State Department of Business, Economic Development & Tourism, Foreign-Trade Zone No. 9, annual reports and records; for 2001 <http://www.hawaii.gov/dbedt/ftz/ftz2001.pdf> and for 2002 <http://www.state.hi.us/dbedt/ftz/ftz2002r.pdf> accessed February 13, 2003.

Table 24.05-- COMMODITY EXPORTS TOTAL AND TO TOP 25 FOREIGN COUNTRIES: 1999 TO 2002

[In thousands of dollars. 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. Countries in order of 2002 totals]

Country	1999	2000	2001	2002
Total	273.6	386.8	369.9	513.7
To Top 25 foreign countries	260.2	376.1	356.4	510.0
Japan	134.5	211.4	140.3	163.7
New Zealand	12.7	20.4	63.3	97.9
Singapore	7.4	9.9	6.6	77.1
Australia	2.7	6.2	2.1	54.7
Korea	38.7	45.2	55.6	22.5
Canada	26.7	30.3	24.2	19.0
Taiwan	2.9	5.2	7.6	17.0
Hong Kong	5.9	9.6	10.5	8.7
China	2.0	5.0	13.4	8.0
Malaysia	0.1	0.5	0.3	6.7
Philippines	5.8	4.5	5.3	4.9
Guatemala	0.0	0.0	0.0	4.0
Germany	2.7	4.3	3.3	3.9
Thailand	0.8	1.7	1.4	3.6
Mexico	1.3	2.4	2.0	2.9
Netherlands	1.0	2.0	1.3	2.8
France	1.7	2.0	7.7	2.8
Marshall Islands	7.4	9.4	2.8	2.6
United Kingdom	3.7	3.2	1.9	2.0
Italy	0.6	0.4	1.7	1.3
Maldives	0.0	0.0	0.0	1.3
Spain	0.0	0.1	1.0	0.8
Indonesia	1.4	1.4	3.7	0.8
Kiribati	0.2	0.1	0.1	0.6
Argentina	0.0	0.9	0.3	0.4

Source: U.S. Census Bureau, Foreign-Trade Division "State by Top 25 Countries - 2002" <http://www.census.gov/foreign-trade/statistics/state/country/2002/hi.pdf> accessed July 18, 2003.

Table 24.06-- TOTAL AND TOP 25 CATEGORIES OF COMMODITY EXPORTS TO FOREIGN COUNTRIES: 1999 TO 2002

[In thousands of dollars. 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]

Country	1999	2000	2001	2002
All Commodities Via Hawaii	273.6	386.8	369.9	513.7
Top 25 Commodities	81.1	118.2	155.2	397.9
Airplane of an unladen weight greater than 15,000 KG	0.0	0.0	40.0	212.4
Light oils from petroleum & bitumen	0.0	0.0	0.0	77.2
Ferrous waste & scrap	4.6	11.8	10.0	14.8
Turbojets	9.5	20.8	4.6	12.2
Papayas, fresh	11.1	9.9	10.4	8.5
Gas turbines	2.1	0.0	0.1	7.4
Cocoa preparations	7.2	8.5	7.8	6.5
Digital automatic data processing machines	0.7	3.3	4.6	5.3
Navigation instruments & appliances	4.2	3.7	5.9	4.9
Nuts and seeds, prepared	1.5	3.3	5.8	4.7
Parts of airplanes or helicopters	11.7	10.6	25.2	4.5
Seaweed & other algae	1.5	3.2	3.4	4.0
Paintings, drawing and pastels	7.1	12.1	6.2	3.8
Analog or hybrid automatic data processing machines	0.2	0.1	0.1	3.5
Chocolate	3.2	5.1	3.5	3.3
Patent leather articles for pocket or handbag	0.1	0.0	0.1	3.2
Airplane of an unladen weight btw 2,000 and 15,000 KG	0.0	0.0	2.4	3.1
Stainless steel waste and scrap	0.0	0.3	0.8	3.0
Bovine animals, live	2.6	2.5	2.0	2.6
Patent leather handbags	0.4	0.5	0.5	2.4
Cartons, boxes & cases of corrugated paper	0.1	2.0	2.1	2.2
Instruments & appliances for medical science	0.1	0.8	0.1	2.2
Warships	0.0	0.0	0.0	2.1
Telecommunication instruments	12.7	18.1	18.0	2.1
Corrugated paper waste and scrap	0.5	1.6	1.6	2.0

Source: U.S. Census Bureau, Foreign-Trade Division "State by Top 25 Countries - 2002" <http://www.census.gov/foreign-trade/statistics/state/country/2002/hi.pdf> accessed July 18, 2003.

Table 24.07--FOREIGN AGRICULTURAL EXPORTS ESTIMATED VALUE FOR HAWAII AND THE UNITED STATES: 1973 TO 2002

[In millions of dollars. Reported for fiscal year ending September 30]

	Hawaii	United States	Hawaii Rank
1973	19.7	12,043.9	39
1974	20.9	20,023.7	40
1975	26.6	21,854.3	41
1976	24.9	22,760.4	40
1977	58.6	24,013.4	37
1978	19.1	27,306.2	41
1979	19.7	31,982.8	42
1980	41.6	40,481.4	41
1981	44.6	43,780.1	39
1982	39.6	39,094.5	40
1983	37.7	34,771.2	38
1984	16.1	38,026.8	42
1985	36.0	31,200.8	38
1986	30.8	26,324.7	40
1987	32.0	27,875.2	40
1988	38.0	35,378.7	41
1989	40.7	39,651.0	41
1990	65.7	40,349.4	41
1991	78.6	37,756.9	39
1992	79.2	42,598.3	41
1993	72.7	42,831.5	41
1994	69.5	43,911.4	41
1995	82.9	54,644.0	41
1996	88.5	59,751.9	41
1997	94.8	57,269.2	40
1998	81.5	53,652.9	42
1999	81.3	49,043.3	42
2000	78.9	50,743.8	42
2001	73.2	52,698.5	42
2002	69.9	53,293.6	41

Source: U.S. Department of Agriculture, Economic Research Service, "Agricultural Exports From Grain And Soybean Producing States Rose in Fiscal 2002" (June 30, 2003) <http://www.ers.usda.gov/publications/fau/june03/fau7801/fau7801.pdf> and "ERS/USDA State Export History, by State, Commodity exports by State historical (time series) data, fiscal years 1973-2002" <http://www.ers.usda.gov/data/stateexports/SXHS.xls> accessed July 30, 2003, and calculations by Hawaii State Department of Business, Economic Development & Tourism.

Table 24.08-- FOREIGN AGRICULTURAL EXPORTS, BY COMMODITY GROUP FOR HAWAII AND THE UNITED STATES: 1998 TO 2002

[In millions of dollars. Reported for fiscal year. Estimates for 1998-2001 are revised]

Export	1998	1999	2000	2001	2002
Hawaii Total 1/	81.5	81.3	78.9	73.2	69.9
Fruit and preps.	63.0	56.0	55.9	47.9	39.7
Tree nuts	13.3	7.4	7.9	11.3	11.5
Vegetables and preps.	0.4	0.5	0.6	1.2	1.1
Live animals and meat	1.9	2.1	1.9	2.1	2.0
Hides and skins	0.6	0.6	0.4	0.5	0.6
Poultry and products	0.9	0.9	0.7	0.6	0.5
Fats, oils,and greases	0.2	0.3	0.2	0.2	0.1
Feeds and fodders	-	-	-	-	0.3
Seeds	-	-	-	0.3	0.3
Other 2/	14.4	13.7	13.8	14.9	16.9
United States Total	53,652.9	49,043.3	50,743.8	52,698.5	53,293.6
Wheat and products	4,895.4	4,846.4	4,586.0	4,508.8	4,787.1
Rice	1,229.6	1,118.3	1,004.4	841.9	829.3
Feed grains	6,516.1	6,984.2	6,605.7	6,533.7	6,779.2
Soybeans and products	9,020.3	6,519.1	6,648.0	6,809.9	7,325.7
Sunflower seed and products	338.5	327.9	244.2	205.2	218.3
Peanuts and products	239.4	222.3	273.9	170.2	258.3
Cotton and linters	2,537.3	1,305.9	1,829.2	2,092.5	2,052.1
Cottonseed and products	102.6	61.2	90.8	86.9	97.6
Unmanfctd.tobacco	1,447.9	1,376.4	1,226.8	1,181.3	1,147.4
Fruit and preps.	3,217.9	3,285.5	3,380.2	3,501.7	3,433.5
Tree nuts	1,213.2	1,077.7	977.7	1,131.4	1,231.9
Vegetables and preps.	4,167.9	4,253.3	4,440.4	4,511.2	4,551.0
Live animals and meat	5,327.7	5,256.5	6,406.6	6,293.5	6,097.4
Hides and skins	1,358.3	1,110.1	1,428.4	1,932.9	1,776.0
Poultry and products	2,710.7	2,061.5	2,235.4	2,518.6	2,279.3
Fats, oils,and greases	635.8	543.9	421.5	320.0	454.4
Dairy products	925.1	914.9	998.5	1,120.9	1,030.7
Feeds and fodders	1,698.6	1,657.6	1,859.8	2,143.7	1,951.2
Seeds	827.3	794.2	771.8	727.1	839.2
Other 2/	5,243.4	5,326.5	5,314.6	6,067.0	6,154.1

1/ Wheat and products, rice, feed grains, soybeans and products, sunflower seed and products, peanuts and products, cotton and linters, cottonseed and products, unmanufactured tobacco, and dairy products are zero for this period.

2/ Other includes miscellaneous oilseeds, sugar and tropical products, nursery and greenhouse, essential oils, beverages other than juice, and miscellaneous animal products.

Source: U.S. Department of Agriculture, Economic Research Service, "U.S. agricultural exports: Estimated value, by commodity group and State, FY 1973-2002" <http://www.ers.usda.gov/data/stateexports/SXHS.xls> accessed July 31, 2003.

Table 24.09-- PROFILE OF EXPORTING COMPANIES, UNITED STATES AND HAWAII: 1998 TO 2001

[In number, millions of dollars, and percent

Characteristic	1998 Exports		1999 Exports		2000 Exports		2001 Exports	
	U.S.	Hawaii	U.S.	Hawaii	U.S.	Hawaii	U.S.	Hawaii
Exporter location 1/								
Value of exports	682,138	211	695,797	244	(NA)	(NA)	(NA)	(NA)
Value as percent of total	100.0	(D)	100.0	(D)	(NA)	(NA)	(NA)	(NA)
Known value 2/	559,641	178	584,724	205	(NA)	(NA)	(NA)	(NA)
Percent of known value	100.0	(D)	100.0	(D)	(NA)	(NA)	(NA)	(NA)
Number of exporters	215,259	673	231,420	708	(NA)	(NA)	(NA)	(NA)
Percent of number of exporters	100.0	0.3	100.0	0.3	(NA)	(NA)	(NA)	(NA)
Percent change from year previous								
Value as percent of total	-1.0	-30.4	2.0	15.6	(NA)	(NA)	(NA)	(NA)
Percent of known value	-0.6	-29.6	4.5	15.2	(NA)	(NA)	(NA)	(NA)
Percent of number of exporters	2.8	-26.0	7.5	5.2	(NA)	(NA)	(NA)	(NA)
State of Origin of Movement								
Value of exports	682,138	276	695,797	274	781,918	387	729,100	370
Value as percent of total	100.0	(D)	100.0	(D)	100.0	(D)	100.0	0.1
Known value 2/	559,641	236	584,724	233	668,310	333	623,394	307
Percent of known value	100.0	(D)	100.0	(D)	100.0	(D)	100.0	(D)
Number of exporters	215,259	659	231,420	716	246,452	808	238,284	748
Percent of number of exporters	100.0	0.3	100.0	0.3	100.0	0.3	100.0	0.3
Percent change from year previous								
Value as percent of total	-1.0	-17.4	2.0	-0.7	12.4	41.2	-6.8	-4.4
Percent of known value	-0.6	-17.8	4.5	-1.3	14.3	42.9	-6.7	-7.8
Percent of number of exporters	2.8	-5.0	7.5	8.6	6.5	12.8	-3.3	-7.4

D Less than 0.05 percent.

NA Not available.

1/ The Exporter Location designation was not reported in the 2000-2001 publication and will be discontinued as of January 2003. See <http://www.census.gov/foreign-trade/Press-Release/notice.html>.

2/ 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, 1998-1999,* pp. 25-28 and Ibid, *2000 - 2001* , pp. 26-29.

Table 24.10-- AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: DECEMBER 31, 1995 TO FEBRUARY 28, 2002

[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. Approximate land area as established by the U.S. Census Bureau in conjunction with the 1990 Census of Population there were 4,111,000 acres of land in the state. For 1995 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 1995 to 1997, February 29, 2000 and February 28, 2002]

Subject	1995	1996	1997	2000	2002
Parcels owned by foreigners	99	101	101	101	99
Individuals	22	22	22	(NA)	(NA)
Organizations	77	79	79	(NA)	(NA)
Privately owned agricultural land (1,000's) 1/	(NA)	(NA)	(NA)	1,986	1,986
Acres owned by foreigners 2/	180,058	180,075	180,073	190,063	167,164
Percent of all privately owned agric. land	9.0	9.1	9.0	9.6	8.4
Individuals	2,055	2,055	2,055	(NA)	(NA)
Organizations	178,003	178,020	178,018	(NA)	(NA)
Value of foreign-owned agric. land ($1,000):					
At time of acquisition	660,690	661,551	660,801	(NA)	(NA)
Reported current value	659,396	660,266	659,525	(NA)	(NA)
Adjusted current value	791,012	846,717	895,489	(NA)	(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, USDA Farm Service Agency, *Foreign Ownership of U. S. Agricultural Land Through February 29, 2000* and for 2002, Ibid, *Foreign Ownership of U. S. Agricultural Land Through February 28, 2002* , Report 1.

Table 24.11-- AGRICULTURAL AND NONAGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS, BY COUNTRY AND BY COUNTY: FEBRUARY 28, 2002

[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 2002, on a Bureau of the Census 1990 approximation of 4,111,000 acres.

Subject	State	Honolulu	Hawaii	Kauai	Maui
Parcels owned by foreigners	99	10	69	5	15
Use of agricultural landholdings of foreign owners					
Cropland	41,749	994	37,915	132	2,708
Pasture	84,359	-	33,847	2,844	47,668
Forest	7,071	-	1,730	4,201	1,140
Other agriculture	33,985	1,117	30,656	655	1,557
Non agriculture	4,980	3,193	1,173	41	573
Acres owned by foreigners 1/	172,144	5,304	105,321	7,873	53,646
Canada	66	-	66	-	-
France	-	-	-	-	-
Germany	407	-	23	384	-
Switzerland	216	-	-	216	-
United Kingdom	3,128	-	3,128	-	-
All others	168,327	5,304	102,104	7,273	53,646

1/ 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, USDA Farm Service Agency, *Foreign Ownership of U. S. Agricultural Land Through February 29, 2000* and for 2002, Ibid, *Foreign Ownership of U. S. Agricultural Land Through February 28, 2002* , Reports 2 and 3; and records.

Table 24.12-- 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	1780	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 24.13-- 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 24.13-- 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 24.14-- 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 24.14-- 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 24.15-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES, BY COUNTRY OF ULTIMATE BENEFICIAL OWNER: 1977 TO 2000

[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 1999 are revised. Data for 2000 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	11,460	10,113	9,689	35	389	118	823	274	132
2000	10,696	(NA)	8,779	36	(NA)	26	770	(D)	(D)

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 for 2000 <http://www.bea.gov/bea/di/di1fdiop.htm> accessed August 5, 2003; *Foreign Direct Investment in the United States: Benchmark Survey, Final Results* (various years) and <http://www.bea.doc.gov/bea/ai/newiid.htm> accessed October 6, 2003; and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 24.16-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII, BY COUNTRY OF AFFILIATE: 1977 TO 2000

[Data for Hawaii nonbank affiliates owned 10 percent or more, directly or indirectly, by a foreign person. Employment in thousands. Data for 1999 are revised. Data for 2000 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	44.3	31.5	29.9	(D)	(D)	0.9	7.1	3.7	1.1
2000	43.3	28.5	27.0	(D)	(D)	1.0	8.6	3.9	1.3

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 October 6, 2003; and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 24.17-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES, BY INDUSTRY OF AFFILIATE: 1977 TO 2000

[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 1999 are revised. Data for 2000 are preliminary. See Table 24.19 for detailed 1997-2000 estimates]

Year	All industries	Petroleum	Manufacturing	Wholesale trade	Retail trade	Finance, nonbank	Insurance	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	11,460	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2000	10,696	(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 October 6, 2003; and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 24.18-- EMPLOYMENT OF NONBANK AFFILIATES IN HAWAII, BY INDUSTRY OF AFFILIATE: 1977 TO 2000

[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. Data for 1999 are revised. Data for 2000 are preliminary. See Table 24.19 for detailed 1997-2000 estimates]

Year	All industries 1/	Petroleum	Manufacturing	Wholesale trade	Retail trade	Finance, nonbank	Insurance	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	44.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2000	43.3	(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 October 6, 2003; and Hawaii State Department of Business, Economic Development & Tourism calculations.

Table 24.19-- FOREIGN DIRECT INVESTMENT IN HAWAII IN GROSS PROPERTY, PLANT, AND EQUIPMENT OF NONBANK AFFILIATES AND EMPLOYMENT, BY INDUSTRY OF AFFILIATE: 1997-2000

[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. Data for 1999 are revised. Data for 2000 are preliminary]

	All industries 1/	Manufact-uring	Wholesale trade	Retail trade	Information	Finance (exc. depository inst) & insur.	Real estate, rental & leasing	Profes-sional, 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	11,460	284	177	939	238	58	3,228	2	6,534
2000	10,696	244	166	1,005	337	56	3,114	3	5,770
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	44.3	2.4	1.7	6.6	0.8	1.0	1.7	0.1	29.8
2000	43.3	2.5	1.5	7.0	0.9	1.1	1.9	0.1	28.3

1/ Effective with 1997 the data are classified according to the 1997 International Survey Industry which is based on the 1997 North American Industry Classification System (NAICS). Petroleum is no longer shown as a separate industry, instead the various petroleum-related activities are distributed among the major NAICS-based industries to which they belong, e.g. gas stations are in retail trade. Services is no longer shown as a separate industry, instead the various services-related activities are distributed among the major NAICS-based industries such as Information, Professional, Other industries, etc. See Tables 24.14 and 24.15 for 1977-96 detailed estimates.

Source: U.S. Department of Commerce, *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies* (annual) and *Foreign Direct Investment in the United States: Benchmark Survey, Final Results* (various years) and <http://www.bea.doc.gov/bea/ai/newiid.htm> accessed October 6, 2003; and Hawaii State Department of Business, Economic Development & Tourism calculations.

BIBLIOGRAPHY

This volume is the 35th 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 l8th 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 and this information is updated on a regular basis on the Internet site <http://www.hawaii-county.com/databook_current/dbooktoc.htm>. *Maui County Data Book 2002*, 183 pages, a joint production of the Maui County Office of Economic Development and the Hawaii Business Research Library, a division of the Hawaii Small Business Development Center Network, was published in September 2002 <http://www.hbrl-sbdc.org/>. *Statistical Abstract of the Kauai Economy, 2002*, prepared by the Kauai County Office of Economic Development, appeared in June 2002.

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 l878. The current edition is the 122nd, dated 2002; 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: 1992 TO 2002

[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		
1992	618	707	8.00	1/ 12.00	24,673.00	3,000
1993-94	571	639	8.00	1/ 12.00	20,430.00	3,000
1995	629	697	15.00	2/ 19.00	23,000.00	3,000
1996	664	705	15.00	2/ 19.00	27,040.00	3,000
1997	679	711	18.00	3/ 22.00	17,140.00	1,500
1998	718	736	20.00	4/ 24.00	18,244.32	1,250
1999	5/	749	5/	5/	5/	5/
2000	760	739	20.00	6/ 27.00	19,164.32	1,000
2001	5/	744	5/	5/	5/	5/
2002	5/	778	5/	5/	5/	5/

1/ U.S. Mainland price; $15.00 for Canada, $20.00 for Mexico, and $40.00 for all other countries.
2/ U.S. Mainland price: $21.00 for Canada, $28.00 for Mexico, and $48.00 for all other countries.
3/ U.S. Mainland price: $25.00 for Canada, $38.00 for Mexico, and $51.00 for all other countries.
4/ U.S. Mainland price: $27.00 for Canada, $40.00 for Mexico, and $53.00 for all other countries
5/ The *State of Hawaii Data Book* was not printed. It is available electronically.
6/ 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.hawaii.gov/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.

DBEDT

THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

STATE OF HAWAII