
**MAUI
COUNTY
DATA BOOK
2 0 0 4**

COUNTY OF MAUI
OFFICE OF ECONOMIC DEVELOPMENT

HAWAI'I SMALL BUSINESS DEVELOPMENT CENTER NETWORK
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The State of Hawaii Data Book is available on-line through the State of Hawaii Department of Business, Economic Development and Tourism. The tables are available at <http://www2.hawaii.gov/DBEDT/index.cfm>.

ABOUT THIS BOOK

We hope you find the 2004 edition of the *Maui County Data Book* useful and valuable. This publication provides economic, demographic and other statistical information about the County of Maui.

This twelfth edition of the *Data Book* is produced by the Hawai'i SBDC Network, Hawaii Business Research Library (HBRL) under a grant from the County of Maui, administered by the Maui County Office of Economic Development. In addition to the print version, the *Data Book* is also available online via the Internet (<http://www.hbri-sbdc.org>). In addition to compiling and updating the *Data Book*, the Hawaii Business Research Library provides a call-in/email service to provide a wide range of business research services to individuals and businesses residing or operating in Hawai'i, or investigating business opportunities in Hawai'i. The *Data Book* and its source material are some of the key elements in the HBRL collection which includes a wide range of print and electronic resources selected to inform business decision-making.

Several other publications complement the *Maui County Data Book* for individuals needing more data about Hawai'i. The State of Hawai'i publishes *The State of Hawaii Data Book* (<http://www2.hawaii.gov/DBEDT/index.cfm>) annually through the Hawaii State Department of Business, Economic Development and Tourism. The Hawaii County Department of Research and Development publishes statistical data books annually (http://www.http://www.hawaii-county.com/databook_current/dbooktoc.htm). The Hawaii State Office of Hawaiian Affairs publishes the *Native Hawaiian Data Book* (http://www.oha.org/pdf/databook_6_02.pdf).

Numerous agencies of the federal, state and county governments, as well as many private organizations in Maui County, in Hawai'i and on the mainland assisted the HBRL in preparing the Maui County Data Book. To them we extend our deepest appreciation for their support and cooperation.

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Section 1

GENERAL STATISTICS

“CDP” means Census Designated Place, a “densely settled concentration of population that is identifiable by name.” “CCD” means Census Community Division, which is based on a “well-known local name that identifies its location.” CCDs may contain one or more CDPs.

This section covers the statistics on population, population distribution, income, cost of living and other general aspects of Maui County.

The totals for population have been broken down by factors such as residence, population, de facto population (the number of people actually in the county), district, density, age, race and sex.

Population statistics are based on the April 1, 2000 census figures modified by provisional estimates supplied by the Federal-State Cooperative Program for Population Estimates.

Several of the tables address the cost of living and personal income which have been shown to be of great interest to users of this book. The primary measuring tool for cost of living increases is the consumer price index for urban dwellers (CPI-U). The Honolulu consumer price index has been compiled by the U.S. Bureau of Labor Statistics 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 1982–1984, the base date. Statistics for Maui County are not available, therefore the index for the City and County of Honolulu is provided.

The sources for this data are the U.S. Bureau of the Census, estimates developed by the Hawaii State Department of Business, Economic Development and Tourism, U.S. Department of Commerce, Hawaii State Department of Health, and the U.S. Bureau of Labor Statistics CPI Reports.

1.1.1 MAUI COUNTY STATISTICS

	Unit	Period	1998	1999	2000	2001	2002	2003	% Change Annual 00/01	% Change Annual 96/01
Resident Population ¹	Number	July 1	124,648 r	126,160 r	128,241	131,797	134,139	135,605	1.1	1.70
Civilian Labor Force	Number	Mo. Avg.	69,950	71,400	72,350 r	74,200	71,500	75,750	1.7	1.63
Employment	Number	Mo. Avg.	65,200	67,300	69,300 r	70,650	68,350	72,400	1.8	2.14
Unemployment	Number	Mo. Avg.	4,750	4,050	3,050 r	3,500	3,150	3,350	1.5	-5.71
Unemployment rate	Percent	Mo. Avg.	6.8	5.7	4.2 r	4.8	4.4	4.4	0.0	-7.39
Total Job Count ²	Number	Mo. Avg.	56,700	58,150	60,500 r	61,800	61,900	63,400	2.4	2.27
Gross Business Receipts	Mil. \$	Total	2,107.9 ³	3,429.5	3,821.2	3,941.6	3,785.2	4,107.7	8.5	16.36
State Tax Collections ⁴	Thous. \$	Total	212,588 ³	234,878	260,703	259,381	250,170	257,486	2.9	4.07
County Tax Collections ⁵	Thous. \$	Total	86,226	85,723	96,387	100,210	144,087	123,492	8.2	7.58
Estimated Domestic Visitors	Thous.	Total	1,776.2	1,866.5	1,867.0r ⁷	1,727.2	1,770.1	1,900	7.3	1.49
Estimated International Visitors	Thous.	Total	528.0	480.5 ⁶	470.0r	418.5	369.3	296	-19.8	-10.73
Hotel Inventory	Number	Feb.	18,650	18,609	18,270	18,234	17,992	18,578	3.3	-0.06
Hotel Occupancy	Percent	Mo. Avg.	72.8	77.3	81.9	78.0	71.0	74.2	4.5	0.61
Private Permits	Thous. \$	Total	163,638	229,162	355,361	312,738	273,716	456,085	66.6	27.45
Residential Permits	Thous. \$	Total	91,291	123,633	196,309	186,548	186,622	276,286	48.0	27.46
Non-Residential Permits	Thous. \$	Total	37,668	60,488	75,157	86,619	38,384	128,440	234.6	55.80
Additions and Alterations	Thous. \$	Total	34,680	45,042	83,894	39,571	48,710	51,359	5.4	18.37
Real Estate Resales	Number	Total	638	965	985 r	986	978	1,410	44.2	19.36
Single Family	Number	Total	372,084	344,848	441,143 r	402,272	491,248	591,222	20.4	10.85
Average Price	Dollars	Avg.	996	1,347	1,495 r	1,309	1,551	1,986	28.0	16.06
Condominium	Number	Total	230,184	305,672	399,172 r	391,385	300,985	354,444	17.8	11.22
Average Price	Dollars	Avg.	87,500	89,800	65,300	67,200	76,500	NA	NA	NA
Sugar Production, Raw Sugar 96 ^o	Thous. \$	Total	28,413	28,325	29,395	27,115	29,624	NA	NA	NA
Pineapple Sales, Fresh Equivalent	Thous. \$	Total	48,260	42,740	43,653	42,264	52,897	NA	NA	NA
Diversified Crops/Livestock	Thous. \$	Total	37,703	36,850	37,258	36,845	47,737	NA	NA	NA
Diversified Crops	Thous. \$	Total	10,557	5,890	6,395	5,419	5,160	NA	NA	NA
Livestock	Thous. \$	Total								

¹ Preliminary estimates by the U.S. Bureau of the Census. ² Refers to number of jobs rather than number of persons employed. Persons with more than one job are counted more than once.
³ 1996-1998 figures are not comparable to other years due to low allocation to counties of electronically filed tax data. ⁴ Totals do not include real property taxes. ⁵ Fiscal year ending June 30.
⁶ Change in methodology. ⁷ Beginning 2000, includes passengers arriving on cruise ships.

NA: Not available *: Incremental change **: Average of incremental changes p: preliminary r: revised

SOURCE: Maui County Databook 2003, compilations from multiple sources.

1.1.2

CENSUS BUREAU QUICK FACTS, MAUI COUNTY & STATE OF HAWAII

Category	Maui County	State of Hawaii
Population		
Population, 2003 estimate	135,605	1,257,608
Population, percent change, April 1, 2000 to July 1, 2003	5.90%	3.80%
Population, 2000	128,094	1,211,537
Population, percent change, 1990 to 2000	27.60%	9.30%
Persons under 5 years old, percent, 2000	6.70%	6.50%
Persons under 18 years old, percent, 2000	25.50%	24.40%
Persons 65 years old and over, percent, 2000	11.40%	13.30%
Female persons, percent, 2000	49.80%	49.80%
White persons, percent, 2000 (a)	33.90%	24.30%
Black or African American persons, percent, 2000 (a)	0.40%	1.80%
American Indian and Alaska Native persons, percent, 2000 (a)	0.40%	0.30%
Asian persons, percent, 2000 (a)	31.00%	41.60%
Native Hawaiian and Other Pacific Islander, percent, 2000 (a)	10.70%	9.40%
Persons reporting some other race, percent, 2000 (a)	1.40%	1.30%
Persons reporting two or more races, percent, 2000	22.20%	21.40%
Persons of Hispanic or Latino origin, percent, 2000 (b)	7.80%	7.20%
White persons, not of Hispanic/Latino origin, percent, 2000	31.90%	22.90%
General		
Living in same house in 1995 and 2000 ¹ , pct age 5+, 2000	55.80%	56.80%
Foreign born persons, percent, 2000	16.50%	17.50%
Language other than English spoken at home, pct age 5+, 2000	24.10%	26.60%
High school graduates, percent of persons age 25+, 2000	83.40%	84.60%
Bachelor's degree or higher, pct of persons age 25+, 2000	22.40%	26.20%
Persons with a disability, age 5+, 2000	23,820	199,819
Mean travel time to work (minutes), workers age 16+, 2000	21.7	26.1
Housing		
Housing units, 2002	58,519	470,512
Homeownership rate, 2000	57.60%	56.50%
Housing units in multi-unit structures, percent, 2000	37.50%	39.40%
Median value of owner-occupied housing units, 2000	\$249,900	\$272,700
Households, 2000	43,507	403,240
Persons per household, 2000	2.91	2.92
Median household income, 1999	\$49,489	\$49,820
Per capita money income, 1999	\$22,033	\$21,525
Persons below poverty, percent, 1999	10.50%	10.70%

1.1.2

CONTINUED

Category	Maui County	State of Hawaii
Business		
Private nonfarm establishments with paid employees, 2001	3,955	30,175
Private nonfarm employment, 2001	54,155	441,856
Private nonfarm employment, percent change 2000-2001	3.60%	2.30%
Nonemployer establishments, 2000	10,960	73,810
Manufacturers shipments, 1997 (\$1000)	259,608	3,192,532
Retail sales, 1997 (\$1000)	1,359,298 ¹	11,317,752
Retail sales per capita, 1997	\$11,410 ¹	\$9,516
Minority-owned firms, percent of total, 1997	38.40%	57.70%
Women-owned firms, percent of total, 1997	24.10%	27.50%
Housing units authorized by building permits, 2002	1,184	5,902
Federal funds and grants, 2002 (\$1000)	494,645	10,473,997
Geography		
Land area, 2000 (square miles)	1,159	6,423
Persons per square mile, 2000	110.5	188.6
Metropolitan Area	None	
FIPS Code	9	15

¹ Kalawao County included with Maui County; data not available separately.

(a) Includes persons reporting only one race.

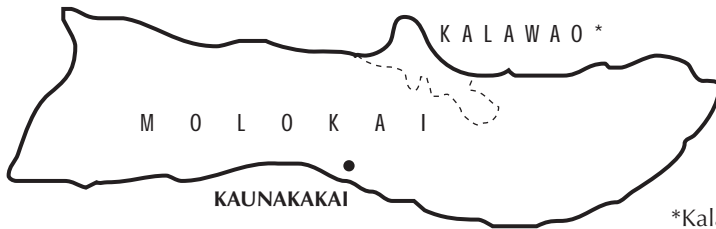
(b) Hispanics may be of any race, so also are included in applicable race categories.

Source U.S. Census Bureau: *State and County QuickFacts*. Data derived from Population Estimates, 2000 Census of Population and Housing, 1990 Census of Population and Housing, Small Area Income and Poverty Estimates, County Business Patterns, 1997 Economic Census, Minority- and Women-Owned Business, Building Permits, Consolidated Federal Funds Report, 1997 Census of Governments

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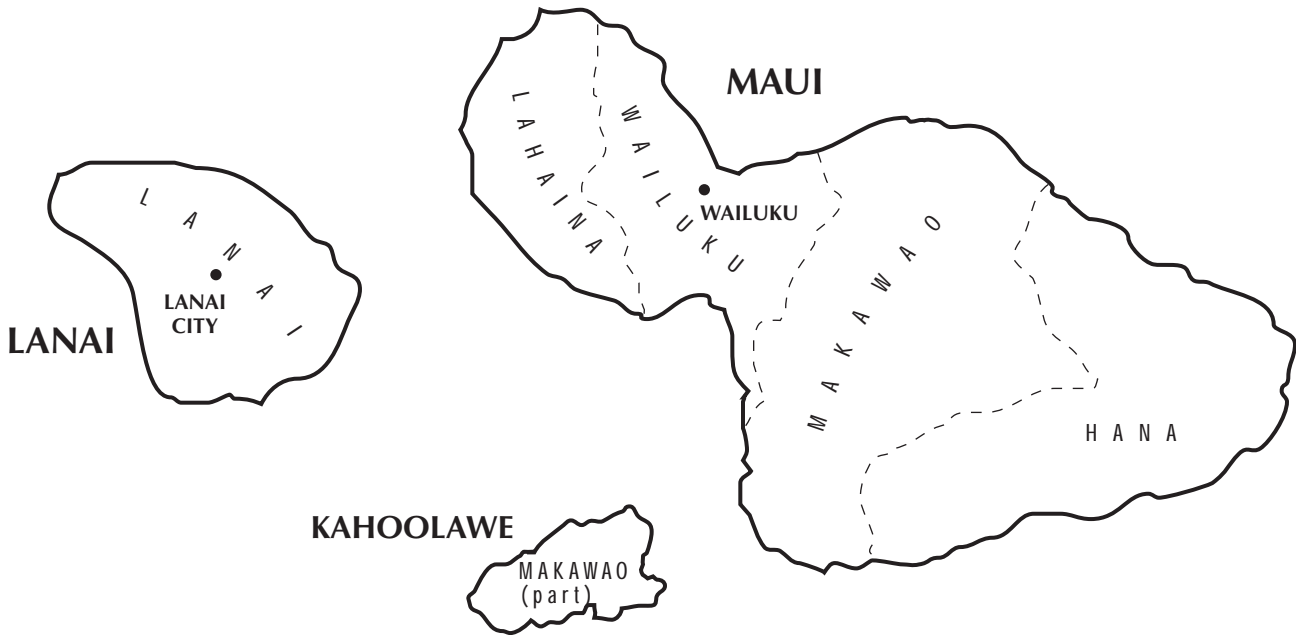
1.2.1

MAUI COUNTY AND DISTRICTS



MOLOKAI

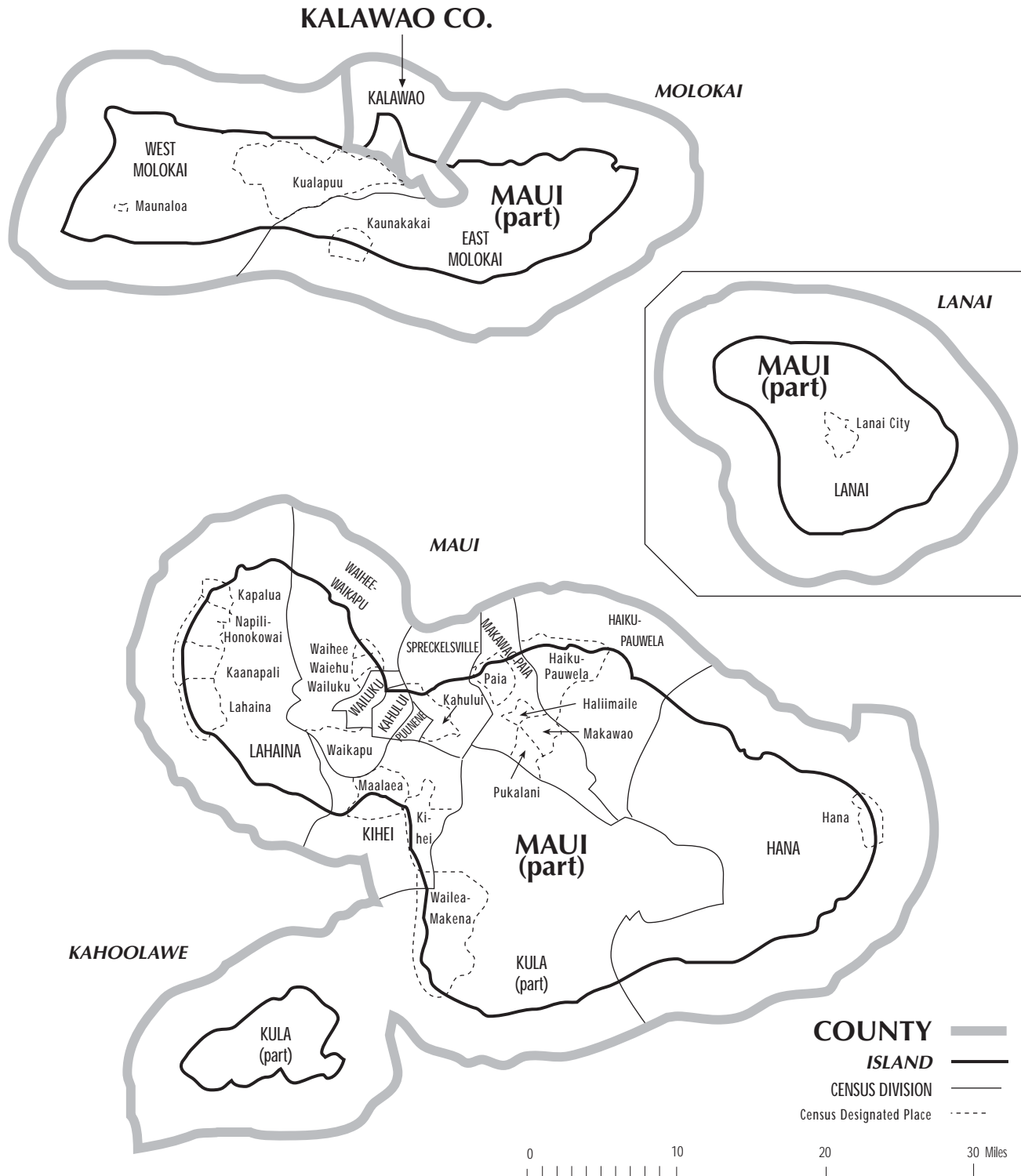
*Kalawao is officially designated as a separate county but is usually treated as a district of Maui for statistical purposes.



SOURCE: Hawaii State Department of Business, Economic Development and Tourism, 1991.

1.2.2

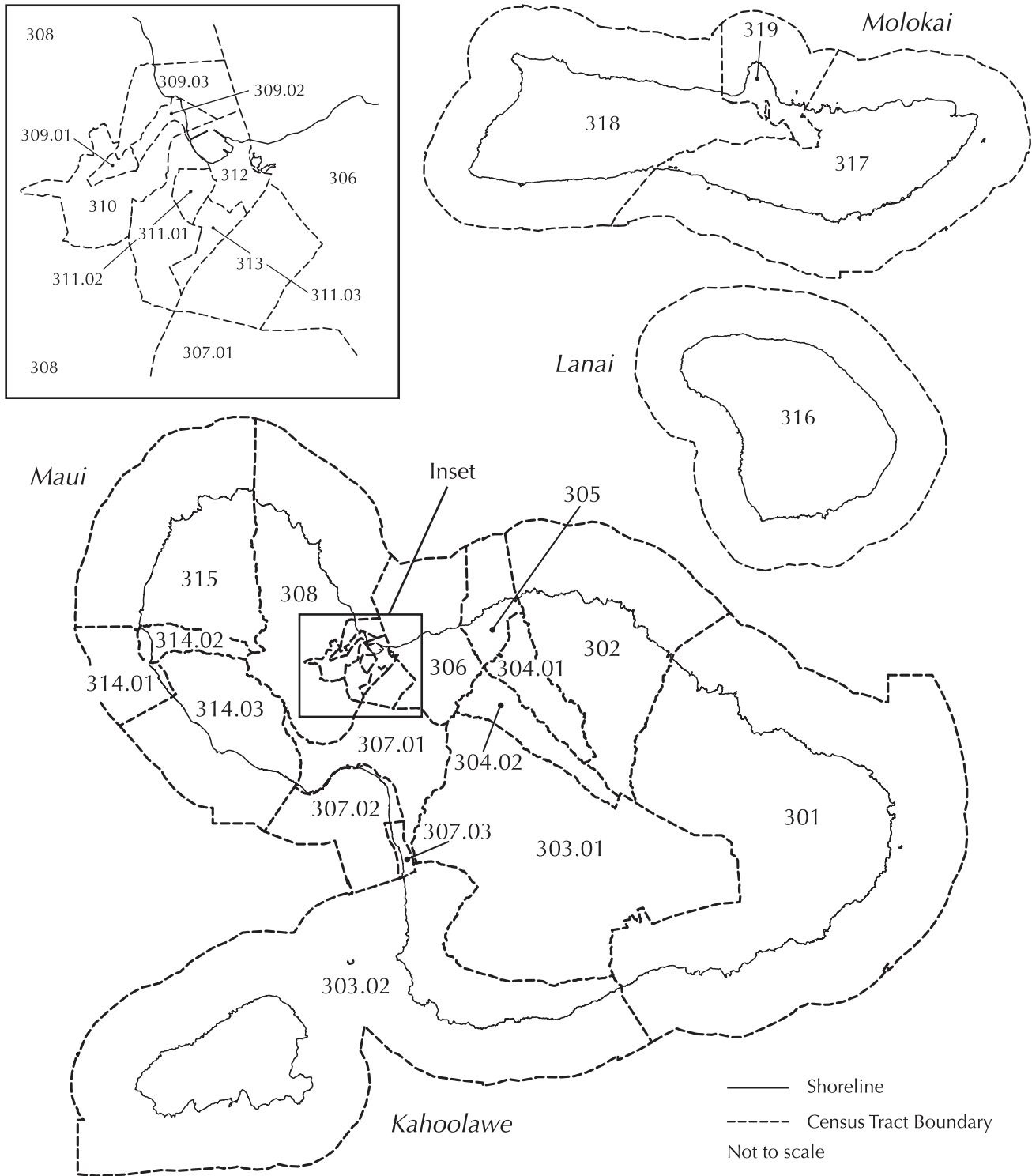
MAUI COUNTY SUBDIVISIONS AND PLACES



SOURCE: U.S. Department of Commerce, Bureau of the Census, 2001

1.2.3

MAUI COUNTY CENSUS TRACTS



SOURCE: U.S. Bureau of the Census, Redistricting Census 2000 TIGER/Line files, processed by the Hawaii SBDC Network Business Research Library.

1.3.1

RESIDENT POPULATION BY COUNTIES

Estimates based on place of usual residence; includes armed forces stationed or homeported in Hawaii and residents temporarily absent, excludes visitors present

Date	Maui County ¹	Hawaii County	Kauai County	City & County of Honolulu	State Total
July 1, 1980	71,600	92,900	39,400	764,600	968,500
July 1, 1981	74,000	96,100	40,500	767,600	978,200
July 1, 1982	77,100	98,800	41,800	776,100	993,800
July 1, 1983	80,100	100,800	42,800	789,100	1,012,700
July 1, 1984	83,000	103,500	43,600	797,800	1,027,900
July 1, 1985	85,100	105,900	44,400	804,300	1,039,700
July 1, 1986	87,400	108,400	45,600	810,400	1,051,800
July 1, 1987	90,500	111,700	47,200	818,400	1,067,900
July 1, 1988	93,800	113,400	48,500	824,100	1,079,800
July 1, 1989	96,800	116,600	49,800	831,300	1,094,600
July 1, 1990	101,588	121,458	51,625	838,032	1,112,703
July 1, 1991	105,013	126,684	53,121	846,594	1,131,412
July 1, 1992	108,585	131,630	54,439	863,959	1,158,613
July 1, 1993	111,944	135,085	55,461	870,348	1,172,838
July 1, 1994	114,754	137,713	56,478	878,591	1,187,536
July 1, 1995	117,895	140,492	57,068	881,399	1,196,854
July 1, 1996	120,689	141,935	57,688	883,443	1,203,755
July 1, 1997	122,772	144,445	57,712	886,711	1,211,640
July 1, 1998	124,648	145,833	57,843	886,909	1,215,233
July 1, 1999	126,160	146,970	58,264	878,906	1,210,300
April 1, 2000	128,241	148,677	58,463	876,156	1,211,537
July 1, 2001(revised)	131,684	151,773	59,031	882,550	1,225,038
July 1, 2002 (revised)	133,320	154,821	59,960	892,562	1,240,663
July 1, 2003	135,734	158,423	60,747	902,704	1,257,608

¹Including Kalawao County (Kalaupapa Settlement).

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*.

1.3.2

DE FACTO POPULATION, BY COUNTIES

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 averages for 12-month periods centered on estimate date.

Date	Maui County ¹	Hawaii County	Kauai County	City & County of Honolulu	State Total
April 1, 1980	85,803	98,588	46,048	821,068	1,051,508
July 1, 1981	89,000	101,700	47,300	824,700	1,062,600
July 1, 1982	94,200	104,300	48,400	837,600	1,084,600
July 1, 1983	104,000	108,500	50,500	846,300	1,109,200
July 1, 1984	114,400	109,600	54,100	852,300	1,130,500
July 1, 1985	115,400	112,500	55,200	854,800	1,137,800
July 1, 1986	120,100	116,600	59,700	871,000	1,167,500
July 1, 1987	123,100	120,400	62,100	881,000	1,186,500
July 1, 1988	125,700	122,200	64,200	888,200	1,200,400
July 1, 1989	139,200	132,300	68,100	905,900	1,245,600
April 1, 1990	134,569	133,202	66,699	896,260	1,230,731
July 1, 1991	139,120	140,657	69,347	897,798	1,246,923
July 1, 1992	145,617	145,319	65,614	906,425	1,262,974
July 1, 1993	147,566	146,373	60,596	901,984	1,256,519
July 1, 1994	150,424	148,172	66,376	911,199	1,276,171
July 1, 1995	152,600	149,789	67,842	911,501	1,281,732
July 1, 1996	154,407	151,264	69,263	909,660	1,284,594
July 1, 1997	158,415	157,637	70,318	919,240	1,305,611
July 1, 1998	159,650	161,212	72,299	916,203	1,309,366
July 1, 1999	161,636	160,046	72,735	913,222	1,307,639
April 1, 2000	168,544	167,073	75,200	927,173	1,337,991
July 1, 2000	168,439	166,384	74,711	925,233	1,334,767
July 1, 2001	168,213	168,524	74,088	925,250	1,336,075
July 1, 2002 ^r	171,039	172,029	74,874	936,159	1,354,101
July 1, 2003	174,182	174,664	76,090	940,274	1,365,210

¹Including Kalawao County (Kalaupapa Settlement).

^r Revised from previous *Data Book*.

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

1.3.3

RESIDENT POPULATION BY COUNTIES AND DISTRICTS

County and District	April 1, 1980	April 1, 1990	April 1, 2000	Percent Change	
				1980 to 1990	1990 to 2000
State Total	964,691	1,108,229	1,211,537	14.9	9.3
Maui County¹	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
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
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. Department of Commerce, Bureau of the Census, 2000 Census of Population and Housing, *Census 2000 Redistricting Data Summary: Hawaii* (March 2001); and *1990 Census of Population and Housing, Population and Housing Unit Counts, Hawaii*, 1990 CPH-2-13 (March 1993), table 8.

1.3.4

POPULATION DENSITY, MAUI COUNTY

Area	All Persons	Land Area (sq. miles)	Persons Per Square Mile
Maui + Kalawao Counties	128,241	1,172.4	109.4
Maui Island	117,644	771.9	152.4
Haiku-Pauwela division	8,377	59.9	139.8
Hana division	1,855	180.5	10.3
Kahului division	20,134	5.8	3,501.4
Kihei division	19,843	38.8	511.5
Kula division	9,729	263.4	36.9
Lahaina division	17,967	95.9	187.4
Makawao-Paia division	18,370	43.3	424.1
Puunene division	12	4.6	2.6
Spreckelsville division	337	19.8	17.0
Waihee-Waikapu division	3,397	54.6	62.2
Wailuku division	17,623	5.3	3,324.4
Haiku-Pauwela CDP	6,578	15.8	417.5
Haliimaile CDP	895	1.7	534.0
Hana CDP	709	2.2	326.0
Kaanapali CDP	1,375	4.9	282.8
Kahului CDP	20,146	15.2	1,328.7
Kapalua CDP	467	1.7	272.9
Kihei CDP	16,749	10.2	1,648.6
Lahaina CDP	9,118	5.8	1,584.7
Maalaea CDP	454	4.8	95.3
Makawao CDP	6,327	4.7	1,353.8
Napili-Honokowai CDP	6,788	5.9	1,153.9
Paia CDP	2,499	6.1	410.8
Pukalani CDP	7,380	4.4	1,671.1
Waihee-Waiehu CDP	7,310	4.3	1,718.5
Waikapu CDP	1,115	11.0	101.6
Wailea-Makena CDP	5,671	22.6	250.6
Wailuku CDP	12,296	5.1	2,427.4
Molokai	7,404	260.0	28.5
Kalawao County (Kalaupapa)	147	13.2	11.1
East Molokai CCD	4,688	119.4	39.3
West Molokai CCD	2,569	127.4	20.2
Kaunakakai CDP	2,726	2.0	1,342.7
Kualapuu CDP	1,936	30.5	63.5
Maunaloa CDP	230	0.2	1,374.6
Lanai	3,193	140.5	22.7
Lanai City CDP	3,164	3.6	885.5

NOTE: See chapter introduction for definitions of CDP and CCD.

SOURCE: U.S. Bureau of the Census, *Census 2000 Redistricting Data Summary: Hawaii* (March 2001).

1.3.5

**SUMMARY CHARACTERISTICS OF PERSONS FOR MAUI COUNTY AND
CENSUS DESIGNATED PLACES, BY RACE AND SEX**

	Total Population	SEX		RACE (ALONE OR IN COMBINATION)								
		Male	Female	White	Black or African American	American Indian and Alaska Native		Asian	Native Hawaiian and Other Pacific Islander		Some other race	Hispanic or Latino (any race)
						American Native	Alaska Native		Hawaiian and Other Pacific Islander			
Maui County	128,094	64,329	63,765	62,688	1,272	2,738	61,148	33,019	5,874	16,511		
Maui Island	117,644	59,175	58,469	59,640	1,179	2,488	55,656	27,835	5,585	15,376		
Haiku-Pauwela division	8,377	4,272	4,105	6,347	124	273	2,109	1,917	352	1,106		
Haiku-Pauwela CDP	6,578	3,361	3,217	4,889	94	200	1,811	1,514	259	889		
Hana division	1,855	899	956	814	6	49	556	1,178	35	180		
Hana CDP	709	334	375	248	2	13	255	543	8	78		
Kahului division	20,134	9,929	10,205	5,022	172	399	14,675	5,375	1,336	3,105		
Kahului CDP (part)	20,134	9,929	10,205	5,022	172	399	14,675	5,375	1,336	3,105		
Kihei division	19,843	10,096	9,747	12,550	326	394	6,737	3,221	769	2,087		
Kihei CDP	16,749	8,502	8,247	10,026	273	333	6,176	2,985	678	1,824		
Maalaea CDP	454	240	214	405	2	5	46	18	9	27		
Wailea-Makena CDP (part)	2,630	1,347	1,283	2,119	51	56	505	211	82	236		
Kula division	9,729	4,783	4,946	7,369	78	201	2,513	1,202	283	751		
Wailea-Makena CDP (part)	3,041	1,532	1,509	2,620	30	48	432	159	53	163		
Lahaina division	17,967	9,303	8,664	9,330	184	335	7,387	3,341	992	2,118		
Kaanapali CDP	1,375	725	650	1,183	18	6	153	58	67	164		
Kapalua CDP	467	224	243	327	3	-	103	116	16	34		
Lahaina CDP	9,118	4,738	4,380	3,442	72	177	5,169	1,997	416	984		
Napili-Honokowai CDP	6,788	3,502	3,286	4,294	91	145	1,895	1,075	478	922		
Makawao-Paia division	18,370	9,195	9,175	10,834	145	483	8,214	5,003	967	3,235		
Halimaile CDP	895	459	436	281	2	26	542	309	30	97		
Makawao CDP	6,327	3,156	3,171	4,095	55	225	2,548	1,853	362	1,337		

1.3.5

CONTINUED

	Total Population	SEX		RACE (ALONE OR IN COMBINATION)								Some other race	Hispanic or Latino (any race)
		Male	Female	White	Black or African American	American Indian and Alaska Native		Asian	Native Hawaiian and Other Pacific Islander				
						Alaska Native	Other Pacific Islander						
Paia CDP	2,499	1,275	1,224	1,279	17	57	1,242	708	165	481			
Pukalani CDP	7,380	3,655	3,725	4,132	59	138	3,661	1,937	379	1,192			
Puunene division	12	7	5	4	-	-	6	3	-	-			
Kahului CDP (part)	12	7	5	4	-	-	6	3	-	-			
Spreckelsville division	337	174	163	300	3	-	36	10	13	18			
Kahului CDP (part)	-	-	-	-	-	-	-	-	-	-			
Waihee-Waikapu division	3,397	1,724	1,673	1,324	21	38	1,884	966	118	321			
Waihee-Waiehu CDP (part)	1,330	685	645	548	8	17	643	451	51	129			
Waikapu CDP	1,115	560	555	365	12	13	753	298	32	115			
Wailuku CDP (part)	653	317	336	262	-	7	421	68	12	72			
Wailuku division	17,623	8,793	8,830	5,746	120	316	11,539	5,619	720	2,455			
Waihee-Waiehu CDP (part)	5,980	2,979	3,001	1,679	39	107	4,179	1,964	192	863			
Wailuku CDP (part)	11,643	5,814	5,829	4,067	81	209	7,360	3,655	528	1,592			
Molokai (including Kalawao)	7,404	3,618	3,786	2,299	75	189	3,101	4,599	169	702			
West Molokai division	2,569	1,280	1,289	734	30	67	952	1,727	68	211			
Kualapuu CDP	1,936	973	963	478	24	45	781	1,352	59	176			
Maunaloa CDP	230	120	110	72	1	12	90	142	4	17			
Kalawao division	147	73	74	46	-	-	27	74	10	6			
East Molokai division	4,688	2,265	2,423	1,519	45	122	2,122	2,798	91	485			
Kaunakakai CDP	2,726	1,305	1,421	705	24	60	1,481	1,551	53	295			
Lanai	3,193	1,609	1,584	795	18	61	2,418	659	130	439			
Lanai division	3,193	1,609	1,584	795	18	61	2,418	659	130	439			
Lanai City CDP	3,164	1,593	1,571	777	18	61	2,410	651	130	439			

SOURCE: U.S. Bureau of the Census, Census 2000 Summary File 1: Hawaii (July 2001).

1.3.6

**POPULATION BY AGE GROUP,
MAUI COUNTY AND CENSUS DESIGNATED PLACES**

	Total Population	Under 5	5 to 9 yrs	10 to 17 yrs	18 to 21 yrs	22 to 24 yrs	25 to 34 yrs	35 to 44 yrs	45 to 54 yrs	55 to 59 yrs	60 to 64 yrs	65 to 74 yrs	75 to 84 yrs	85 yrs & over	Median age
Maui County	128,094	8,579	9,079	9,336	8,658	6,970	17,723	21,891	19,823	6,599	4,807	7,715	5,272	1,642	36.8
Kalawao County (Kalaupapa)	147	0	0	3	0	2	9	18	31	19	18	35	12	0	58.6
Maui Island	117,644	7,822	8,182	13,433	5,194	3,911	16,569	20,458	18,511	6,056	4,323	6,963	4,753	1,469	36.9
Haiku-Pauwela division	8,377	586	613	946	349	271	1,201	1,668	1,568	408	210	311	191	55	36.5
Haiku-Pauwela CDP	6,578	458	506	747	282	206	956	1,303	1,182	322	167	253	145	51	36.1
Hana division	1,855	134	135	284	91	65	207	215	345	105	82	110	63	19	35.6
Hana CDP	709	62	60	102	39	39	89	72	110	39	28	41	25	3	30.7
Kahului division	20,134	1,438	1,456	2,295	1,051	806	2,797	2,770	2,307	990	861	1,621	1,273	469	35.8
Kahului CDP (part)	20,134	1,438	1,456	2,295	1,051	806	2,797	2,770	2,307	990	861	1,621	1,273	469	35.8
Kihei division	19,843	1,313	1,430	2,027	835	707	3,170	3,903	3,182	1,012	694	907	542	121	36.1
Kihei CDP	16,749	1,145	1,253	1,804	741	621	2,716	3,344	2,630	784	534	668	411	98	35.3
Maalaea CDP	454	12	7	11	7	3	41	67	95	58	49	57	41	6	52.9
Wailea-Makena CDP (part)	2,630	156	169	212	87	82	411	489	457	168	111	182	89	17	39.4
Kula division	9,729	424	525	986	249	155	958	1,669	2,227	690	461	716	499	170	44.5
Wailea-Makena CDP (part)	3,041	106	112	191	61	42	346	490	708	287	203	301	165	29	47.6
Lahaina division	17,967	1,229	1,066	1,686	752	683	3,141	3,301	2,642	953	689	989	660	176	36.1
Kaanapali CDP	1,375	69	76	79	35	12	188	233	261	108	96	132	82	4	44.8
Kapalua CDP	467	39	17	26	20	10	59	91	58	27	42	46	26	6	41.7
Lahaina CDP	9,118	555	522	1,000	424	374	1,515	1,526	1,272	499	347	539	410	135	36.0
Napili-Honokowai CDP	6,788	541	441	562	260	279	1,349	1,404	1,028	307	194	259	138	26	34.8
Makawao-Paia division	18,370	1,249	1,372	2,482	877	588	2,345	3,273	3,022	903	596	943	550	170	36.0
Haliimaile CDP	895	43	48	112	59	44	135	123	119	25	34	71	52	30	35.9
Makawao CDP	6,327	469	490	912	297	201	838	1,184	1,026	278	174	259	155	44	34.6

1.3.6

CONTINUED

	Total Population	Under 5	5 to 9 yrs	10 to 17 yrs	18 to 21 yrs	22 to 24 yrs	25 to 34 yrs	35 to 44 yrs	45 to 54 yrs	55 to 59 yrs	60 to 64 yrs	65 to 74 yrs	75 to 84 yrs	85 yrs & over	Median age
Paia CDP	2,499	180	182	302	170	100	352	452	349	113	87	106	80	26	33.9
Pukalani CDP	7,380	478	581	1,010	307	200	891	1,303	1,257	378	246	439	227	63	36.9
Puunene division	12	-	-	-	-	-	-	3	3	2	-	2	2	-	55.0
Kahului CDP (part)	12	-	-	-	-	-	-	3	3	2	-	2	2	-	55.0
Spreckelsville division	337	20	31	44	7	3	37	62	68	24	8	13	14	6	40.2
Kahului CDP (part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waihee-Waikapu division	3,397	234	239	437	168	88	325	629	628	173	118	179	147	32	38.7
Waihee-Waiehu CDP (part)	1,330	86	95	153	64	45	129	260	206	75	55	86	64	12	38.7
Waikapu CDP	1,115	79	81	141	54	23	137	190	195	51	35	54	61	14	37.3
Wailuku CDP (part)	653	46	52	106	27	9	29	131	171	27	16	21	15	3	41.0
Wailuku division	17,623	1,195	1,315	2,246	815	545	2,388	2,965	2,519	796	604	1,172	812	251	36.1
Waihee-Waiehu CDP (part)	5,980	451	581	1,015	336	191	723	1,067	796	233	165	258	133	31	31.3
Wailuku CDP (part)	11,643	744	734	1,231	479	354	1,665	1,898	1,723	563	439	914	679	220	38.3
Lanai	3,193	220	270	400	141	108	425	474	364	162	163	214	184	68	35.6
Lanai division	3,193	220	270	400	141	108	425	474	364	162	163	214	184	68	35.6
Lanai City CDP	3,164	220	269	398	141	108	425	469	358	159	160	213	176	68	35.4
Molokai (with Kalaupapa)	7,404	537	627	1,223	382	177	738	977	979	400	339	573	347	105	35.2
East Molokai division	4,688	333	358	808	255	121	435	618	653	247	211	362	206	81	35.6
Kaunakakai CDP	2,726	193	214	472	145	81	243	373	344	128	118	231	128	56	35.5
Kalawao division	147	-	-	3	1	1	9	18	31	19	18	35	12	-	58.6
West Molokai division	2,569	204	269	412	126	55	294	341	295	134	110	176	129	24	32.9
Kualapuu CDP	1,936	141	196	312	96	42	226	260	230	104	80	127	105	17	33.6
Maunaloa CDP	230	24	30	46	16	3	24	34	21	7	5	14	4	2	21.8

SOURCE: U.S. Bureau of the Census, Census 2000 Summary File 1: Hawaii (July 2001).

1.3.7

**RESIDENT POPULATION AND HOUSEHOLDS,
MAUI COUNTY BY DISTRICT AND CENSUS TRACT**

District and Census Tract	Population	Households
Maui + Kalawao Counties	128,241	43,622
Hana	1,855	592
301	1,855	592
Makawao	36,476	13,009
302	8,377	2,973
303.01	6,659	2,522
303.02	3,070	1,408
304.01	8,147	2,760
304.02	7,708	2,558
305	2,515	788
Wailuku	61,346	20,409
306	337	130
307.01	3,579	1089
307.02	8,057	2,974
307.03	8,207	3494
308	3,397	1050
309.01	2,437	963
309.02	2,661	971
309.03	6,682	1,637
310	5,843	2,221
311.01	6,908	1,938
311.02	4,730	1,500
311.03	4,720	1,231
312	3,776	1,206
313	12	5
Lahaina	17,967	6,031
314.01	2,492	988
314.02	2,433	646
314.03	4,276	1,000
315	8,766	3,397
Lanai	3,193	1161
316	3,193	1161
Molokai	7,257	2,305
317	4,688	1,527
318	2,569	778
Kalawao (Kalaupapa)	147	115
319	147	115

SOURCE: U.S. Bureau of the Census, *Census 2000 Summary File 1: Hawaii* (July 2001).

1.3.8

POPULATION BY RACE, MAUI COUNTY

Race	Race Alone	Percent	Race In Comb. ¹	Percent
All Races (Total Population)	128,094	100.00%		
White	43,421	33.90%	62,688	48.94%
Of Portuguese Ancestry ²			7,142	5.58%
Black	509	0.40%	1,272	0.99%
AIAN ³	479	0.37%	2,738	2.14%
Asian	39,728	31.01%	61,148	47.74%
Chinese	1,197	0.93%	11,511	8.99%
Filipino	21,804	17.02%	34,445	26.89%
Japanese	12,926	10.09%	21,305	16.63%
Korean	765	0.60%	2,102	1.64%
Vietnamese	317	0.25%	390	0.30%
NHPI ⁴	13,730	10.72%	33,019	25.78%
Hawaiian	11,410	8.91%	29,952	23.38%
Samoan	208	0.16%	772	0.60%
Tongan	902	0.70%	1,269	0.99%
Micronesian	745	0.58%	1,112	0.87%
Fijian	ND		ND	
Some Other Race	1,743	1.36%	5,874	4.59%
Two or More Races	28,484	22.24%		

ND: Not Disclosed. Population count is 0 or less than 100

1. Race in Comb.: Race alone or in combination with one or more other races. Some individuals may be counted more than once.
2. Of Portuguese Ancestry: Number does not reflect whether Race Alone or Race in Combination.
3. AIAN: American Indian or Alaskan native.
4. NHPI: Native Hawaiian or other Pacific Islander

Source: U.S. Census Bureau, Census 2000, *Summary File 2*.

1.3.9

COMPONENTS OF CHANGE IN THE RESIDENT POPULATION OF MAUI COUNTY

Change	Births	Deaths	Natural Increase (Births-Deaths)	Net International Migration	Net Internal Migration	Numeric Population Change
4/90-7/99	16,911	6,438	6,214	22	5,135	-351
4/1/2000-7/1/2000	470	189	281	126	224	628
7/1/2000-7/1/2001	1,895	827	1,068	647	1,240	2,940
4/1/2000-7/1/2001	2,365	1,016	1,349	773	1,464	3,568
7/1/2001-7/1/2002	2,148	753	1,395	718	20	738
7/1/2002-7/1/2003	1,895	967	928	625	871	2,420

NOTES: Net International Migration consists of (1) legal immigration to the United States as reported by the Immigration and Naturalization Service, (2) an estimate of net undocumented immigration from abroad, (3) an estimate of emigration from the United States, and (4) net movement between Puerto Rico and the (balance of) the United States. Net Internal Migration is the difference between domestic immigration to an area and domestic outmigration from it during the period. Domestic immigration and outmigration consist of moves where both the origins and destinations are within the United States (excluding Puerto Rico).

SOURCE: U.S. Department of Commerce, Bureau of the Census, Population Estimates Program, Population Division, "County Population Estimates and Demographic Components of Population Change: Annual Time Series, July 1, 2001 to July 1, 2002," CO-EST2003.

1.3.10

POPULATION AND ECONOMIC PROJECTIONS, MAUI COUNTY: 2000 TO 2030

Forecast Variables	Historical		Projected				
	2000	2005	2010	2015	2020	2025	2030
Total resident population	128,969	140,050	151,300	162,600	174,450	186,850	199,550
DeFacto population	168,541	181,850	197,550	213,850	229,700	246,400	263,500
Gross County Product (in current dollars)	4,723	5,832	7,317	9,181	11,457	14,305	17,896
Total Personal Income (in current dollars) \$ million	3,220	4,168	5,322	6,887	8,952	11,596	14,824.2
Per capita personal income (in current dollars)	24,973	29,759	35,178	42,354	51,316	62,064	74,283
Number employed	68,400	73,568	77,619	81,431	85,276	89,239	93,392
Labor force	71,400	77,115	81,704	85,717	89,764	93,935	98,307
Unemployment rate (%)	4.2	4.6	5.0	5.0	5.0	5.0	5.0
Total self-employed jobs	17,845	19,675	21,476	23,422	25,529	27,796	30,274
Total civilian wage and salary jobs	62,450	66,722	70,479	74,297	78,163	82,201	86,438
Agriculture	2,321	2,320	2,297	2,269	2,249	2,234	2,222
Mining and construction	2,980	3,358	3,466	3,505	3,510	3,556	3,653
Manufacturing	1,721	1,578	1,549	1,523	1,496	1,467	1,441
Transportation and Utilities	2,872	3,137	3,346	3,535	3,720	3,905	4,095
Information	991	972	1,033	1,087	1,140	1,195	1,253
Trade	9,663	10,136	10,709	11,313	11,925	12,564	13,217
Finance, insurance and real estate	2,618	3,138	3,341	3,541	3,743	3,947	4,158
Business and professional services	4,466	4,758	5,062	5,384	5,715	6,067	6,444
Health services	3,613	4,267	4,564	4,875	5,187	5,519	5,858
Accommodation and food services	18,431	18,844	20,071	21,385	22,735	24,096	25,504
Other services	4,804	5,394	5,751	6,112	6,488	6,875	7,281
Government	7,970	8,821	9,291	9,767	10,256	10,776	11,313
Visitor arrivals (in \$ thousand)	2,305	2,390	2,590	2,860	3,090	3,330	3,570
Visitor days (in \$ thousand)	16,051	17,450	18,900	20,900	22,550	24,250	26,050
Visitor expenditures (in \$ million)	2,006	2,274	2,934	3,716	4,643	5,774	7,199
Hotel rooms	18,270	18,270	19,380	21,270	22,920	24,690	26,510
Hotel occupancy rates (%)	80.3	81.0	82.3	82.9	82.9	82.9	82.9

NOTE: "The projections ... are neither targets nor goals. Rather, they are DBEDT's best estimates for important population and economic variables based on the currently available information" (from the Introduction).

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *Population and Economic Projections for the State of Hawaii to 2030*. August 2004.

1.4.1

PERSONAL INCOME, TOTAL AND PER CAPITA, BY COUNTIES

All figures revised

Year	Maui + Kalawao Counties	Hawaii County	Kauai County	City and County of Honolulu	State Total
Total (x \$1,000)					
1990	2,009,658	2,018,498	964,951	19,921,724	24,914,831
1991	2,096,556	2,168,470	1,038,674	20,894,000	26,197,700
1992	2,311,961	2,308,281	682,259	22,556,662	27,859,163
1993	2,432,823	2,416,054	1,132,068	23,087,005	29,067,950
1994	2,537,364	2,495,152	1,182,254	23,525,480	29,740,250
1995	2,612,203	2,551,455	1,225,063	23,812,910	30,201,631
1996	2,644,551	2,615,139	1,219,701	23,913,790	30,393,181
1997	2,710,816	2,671,475	1,231,927	24,604,056	31,218,274
1998	2,841,327	2,826,685	1,259,057	24,913,773	31,840,842
1999	2,969,162	2,897,747	1,305,851	25,263,330	32,436,090
2000 ^R	3,219,840	3,133,173	1,386,583	26,644,428	34,384,024
2001	3,372,380	3,335,468	1,405,858	27,551,409	35,625,115
2002	3,611,210	3,645,559	1,506,935	28,300,659	37,347,617
2003	NA	NA	NA	NA	38,876,343
Per Capita (\$)					
1990	19,759	16,603	18,673	23,758	22,375
1991	19,854	17,039	19,458	24,566	23,046
1992	21,292	17,536	12,533	26,108	24,045
1993	21,733	17,885	20,412	26,526	24,784
1994	22,111	18,118	20,933	26,776	25,044
1995	22,157	18,161	21,467	27,017	25,234
1996	21,912	18,425	21,143	27,069	25,249
1997	22,080	18,495	21,346	27,748	25,765
1998	22,795	19,383	21,767	28,091	26,201
1999	23,535	19,717	22,413	28,744	26,800
2000 ^R	24,966	20,991	23,678	30,420	28,354
2001	25,542	21,986	23,786	31,115	29,034
2002	27,087	23,547	25,132	31,707	30,001
2003	NA	NA	NA	NA	30,913

NA: Not available.

NOTES: 1991-1999 per capita income figures have not yet been revised to reflect intercensal population estimates consistent with decennial census counts, although the 2000 figure was calculated using the 2000 census count. The Bureau of Economic Analysis revised all county personal income figures from 1969 onward in 2001.

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis. State personal income: 1986-1996 total personal income and 1986-1999 per capita personal income, *State Personal Income 1929-99*, CD-ROM (November 2000); 1997-2000 total personal income and 2000 per capita personal income, *Survey of Current Business* (May 2001), p. 29. County personal income: 1986-1996 total and per capita personal income, *Regional Economic Information System 1969-1998*, CD-ROM (June 2000); 1997-1999 total and per capita personal income, *Survey of Current Business* (May 2001), p. 62. Regional Economic Information System, Bureau of Economic Analysis, Table CA1-3, May 2004.

1.4.2

COST OF LIVING COMPARISON

Homeowning family of 4 with an annual income of \$80,000

Standard City, USA	Austin, TX	Kihei, HI	Seattle, WA	Boston, MA	San Jose, CA
100.0	94.2	108.9	116.2	116.3	115.5

NOTE: The indices reflect the total expenses of housing, transportation, goods and services, and taxes. Standard City, USA represents the national average cost.

SOURCE: Runzheimer International, 1999 cost of living comparison commissioned by the Maui Economic Development Board.

1.4.3

CONSUMER PRICE INDEX (ALL ITEMS COMBINED), BY TYPE OF CONSUMER: HONOLULU

1982–1984 average = 100

Year	URBAN WAGE EARNERS AND ALL URBAN CONSUMERS (CPI-U)			CLERICAL WORKERS (CPI-W)		
	First Half	Second Half	Annual Average	First Half	Second Half	Annual Average
1987	113.3	116.5	114.9	114.3	117.6	115.9
1988	120.1	123.4	121.7	121.1	124.5	122.8
1989	126.4	131.1	128.7	127.4	132.0	129.7
1990	135.5	140.8	138.1	136.3	141.6	138.9
1991	146.8	149.1	148.0	147.7	150.1	148.9
1992	153.9	156.4	155.1	154.6	157.2	155.9
1993	158.6	161.6	160.1	159.4	162.0	160.7
1994	163.4	165.7	164.5	163.5	165.8	164.7
1995	166.9	169.4	168.1	167.2	169.7	168.4
1996	170.5	171.0	170.7	170.8	171.2	171.0
1997	172.1	171.8	171.9	172.4	172.0	172.2
1998	172.0	171.0	171.5	172.3	171.0	171.6
1999	172.7	173.8	173.3	173.0	173.9	173.4
2000	175.9	176.7	176.3	176.0	176.9	176.5
2001	178.1	178.7	178.4	178.6	179.5	179.1
2002 (revised)	180.1	180.4	180.3	180.4	180.7	180.6
2003	183.2	185.7	184.5	183.4	185.3	184.3

NOTE: See section introduction (General Statistics) for CPI-U and CPI-W definitions.

SOURCE: U.S. Bureau of Labor Statistics, *CPI Detailed Report* (monthly), BLS tapes tabulated by Hawaii State Data Center, and BLS World Wide Web site (<http://www.bls.gov/>).

1.4.4

EARNINGS BY DETAILED INDUSTRY, MAUI COUNTY

Earnings by Industry ¹	2002	Earnings by Industry	2002
Personal income	3,611,210	Nondurable goods manufacturing	117,462
Population (persons) ²	133,320	Food manufacturing	42,015
Per capita personal income (dollars)	27,087	Beverage and tobacco product manufacturing	(D)
Earnings by place of work	2,787,633	Textile mills	0
less: Contributions for government social insurance ³	292,150	Textile product mills	666
plus: Adjustment for residence ⁴	(17,130)	Apparel manufacturing	2,383
equals: Net earnings by place of residence	2,478,353	Leather and allied product manufacturing	166
plus: Dividends, interest, and rent ⁵	628,235	Paper manufacturing	55,195
plus: Personal current transfer receipts	504,622	Printing and related support activities	8,768
Wage and salary disbursements	2,008,439	Petroleum and coal products manufacturing	(D)
Supplements to wages and salaries	386,483	Chemical manufacturing	(D)
Proprietors' income ⁶	392,711	Plastics and rubber products manufacturing	538
Farm proprietors' income	273	Wholesale trade	52,504
Nonfarm proprietors' income	392,438	Retail trade	278,673
Farm earnings	59,677	Motor vehicle and parts dealers	34,289
Nonfarm earnings	2,727,956	Furniture and home furnishings stores	13,069
Private earnings	2,310,725	Electronics and appliance stores	(D)
Forestry, fishing, related activities, and other ⁷	(D)	Building material and garden supply stores	21,979
Forestry and logging	115	Food and beverage stores	50,081
Fishing, hunting, and trapping	(D)	Health and personal care stores	16,502
Agriculture and forestry support activities	(D)	Gasoline stations	12,906
Other ⁷	0	Clothing and clothing accessories stores	41,033
Mining	(D)	Sporting goods, hobby, book and music stores	10,778
Oil and gas extraction	187	General merchandise stores	38,148
Mining (except oil and gas)	(D)	Miscellaneous store retailers	29,745
Support activities for mining	89	Nonstore retailers	(D)
Utilities	30,738	Transportation and warehousing	100,067
Construction	222,184	Air transportation	29,841
Construction of buildings	63,909	Rail transportation	0
Heavy and civil engineering construction	36,339	Water transportation	(D)
Specialty trade contractors	121,936	Truck transportation	17,013
Manufacturing	192,317	Transit and ground passenger transportation	7,734
Durable goods manufacturing	74,855	Pipeline transportation	0
Wood product manufacturing	(D)	Scenic and sightseeing transportation	26,112
Nonmetallic mineral product manufacturing	33,181	Support activities for transportation	9,675
Primary metal manufacturing	19,809	Couriers and messengers	(D)
Fabricated metal product manufacturing	3,700	Warehousing and storage	(D)
Machinery manufacturing	(D)	Information	51,681
Computer and electronic product manufacturing	750	Publishing industries, except Internet	14,036
Electrical equipment and appliance manufacturing	0	Motion picture and sound recording industries	1,640
Motor vehicle manufacturing	0	Broadcasting, except Internet	(D)
Transportation equipment mfg. excl. motor vehicles	412	Internet publishing and broadcasting	104
Furniture and related product manufacturing	3,745	Telecommunications	28,889
Miscellaneous manufacturing	9,822	ISPs, search portals, and data processing	4,211
		Other information services	(D)

1.4.4

CONTINUED

Earnings by Industry	2002	Earnings by Industry	2002
Finance and insurance	50,217	Arts, entertainment, and recreation	81,654
Monetary authorities - central bank	0	Performing arts and spectator sports	21,964
Credit intermediation and related activities	33,392	Museums, historical sites, zoos, and parks	7,994
Securities, commodity contracts, investments	(D)	Amusement, gambling, and recreation	51,696
Insurance carriers and related activities	(D)	Accommodation and food services	584,342
Funds, trusts, and other financial vehicles	0	Accommodation	436,309
Real estate and rental and leasing	93,536	Food services and drinking places	148,033
Real estate	66,534	Other services, except public administration	112,282
Rental and leasing services	(D)	Repair and maintenance	(D)
Lessors of nonfinancial intangible assets	(D)	Personal and laundry services	18,973
Professional and technical services	103,213	Membership associations and organizations	53,315
Management of companies and enterprises	20,007	Private households	(D)
Administrative and waste services	108,194	Government and government enterprises	417,231
Administrative and support services	91,060	Federal, civilian	38,068
Waste management and remediation services	17,134	Military	19,025
Educational services	21,287	State and local	360,138
Health care and social assistance	(D)	State government	239,772
Ambulatory health care services	140,129	Local government	120,366
Hospitals	(D)		
Nursing and residential care facilities	(D)		
Social assistance	(D)		

Notes: Includes Kalawao County.

All state and local area dollar estimates are in current dollars (not adjusted for inflation).

1. The estimates of earnings for 2001-2002 are based on the 2002 North American Industry Classification System (NAICS).
2. Census Bureau midyear population estimates. Estimates for 2001-2002 reflect county population estimates available as of April 2004.
3. Contributions for government social insurance are included in earnings by type and industry but they are excluded from personal income.
4. The adjustment for residence is the net inflow of the earnings of interarea commuters. For the United States, it consists of adjustments for border workers: Wage and salary disbursements to U.S. residents commuting to Canada less wage and salary disbursements to Canadian and Mexican residents commuting into the United States.
5. Rental income of persons includes the capital consumption adjustment.
6. Proprietors' income includes the inventory valuation adjustment and capital consumption adjustment.
7. "Other" consists of wage and salary disbursements to U.S. residents employed by international organizations and foreign embassies and consulates in the United States.

(D) Not shown to avoid disclosure of confidential information, but the estimates for this item are included in the totals.

SOURCE: U.S. Bureau of Economic Analysis, *Regional Economic Information System*, May 2004.

1.4.5

DETAILED CONSUMER PRICE INDEX FOR ALL URBAN CONSUMERS (CPI-U): HONOLULU

1982–1984 average = 100 unless otherwise noted

Group	1999	2000	2001	2002	2003
ALL ITEMS	173.3	176.3	178.4	180.3	184.5
Food and beverages	162.9	164.8	169.5	171.0	174.9
Food	163.0	164.8	169.5	171.6	174.1
Food at home	166.2	166.9	172.9	175.2	178.7
Food away from home	158.3	160.0	164.0	166.0	167.1
Alcoholic beverages	161.9	163.9	168.1	175.7	184.0
Housing	175.8	177.9	179.1	181.2	186.2
Shelter	191.7	191.9	193.1	196.3	200.3
Rent of primary residence	181.7	180.3	181.6	185.3	190.2
Owners' equivalent rent ¹	197.0	196.3	197.7	201.8	206.4
Fuels and utilities	133.4	147.4	146.6	142.6	154.1
Fuels	114.3	130.8	129.8	125.0	137.7
Gas (piped) and electricity	113.7	129.8	128.8	124.3	136.9
Electricity	113.4	129.1	128.1	123.3	133.6
Utility (piped) gas	109.2	126.8	127.2	126.4	167.7
Household furnishings and operation	146.4	152.4	155.8	157.2	162.8
Apparel	105.4	103.5	101.0	102.6	98.5
Transportation	162.2	169.6	174.5	170.9	176.4
Private transportation	160.4	166.9	170.6	164.2	171.5
Motor fuel	119.9	141.8	149.7	130.3	154.5
Gasoline, all types	122.6	144.8	153.0	133.4	158.5
Gasoline, unleaded regular	128.8	151.7	160.1	138.7	166.0
Gasoline, unleaded midgrade ²	95.5	114.5	121.4	105.8	124.9
Gasoline, unleaded premium	112.4	132.7	140.3	123.4	145.0
Medical care	231.3	239.8	No Data	No Data	No Data
Recreation³	101.9	102.8	101.6	99.5	100.4
Education and communication³	104.5	106.9	104.6	107.8	112.5
Other goods and services	275.6	279.7	289.3	302.2	307.6

1.4.5

CONTINUED

Group	1999	2000	2001	2002	2003
Special aggregate indexes					
All items less shelter	183.0	170.5	186.5	174.4	178.5
All items less medical care	166.2	173.0	173.1	176.3	180.2
All items less energy	170.2	180.7	174.9	185.6	188.6
All items less food and energy	178.7	185.1	182.8	189.5	192.6
Commodities	148.2	150.3	152.8	152.0	154.8
Commodities less food	137.7	140.1	141.0	138.5	141.4
Commodities less food and beverages	136.6	138.9	139.7	136.7	139.4
Durables	129.7	128.5	127.1	124.6	122.6
Nondurables	153.3	156.5	160.3	159.9	164.2
Nondurables less food	142.4	147.3	149.9	147.3	153.1
Nondurables less food and beverages	141.0	146.1	148.6	145.2	150.8
Energy	117.9	137.0	140.0	128.0	147.0
Services	195.3	199.1	200.9	205.0	210.3
Services less rent of shelter ¹	202.0	210.4	213.1	218.5	224.5
Services less medical care	192.2	195.5	197.1	200.3	205.4

NOTE: See Section 1: General Statistics for CPI-U definition. The level of CPI item detail has changed due to revisions in the Consumer Price Index done by the Bureau of Labor Statistics in 1998.

¹December 1982 = 100.

²December 1993 = 100.

³December 1997 = 100.

SOURCE: U.S. Bureau of Labor Statistics, World Wide Web site (<http://www.bls.gov/>).

1.4.6

ESTIMATED COSTS OF LIVING BY CATEGORY, COUNTIES OF HAWAII RELATIVE TO WASHINGTON, DC

Dollar estimates for Federal Employees' expenditures

	Income Levels	Consumption Goods & Services	Housing Costs		Transportation (new car)	Miscellaneous	Estimated Total Expenditures for	
			Owners	Renters			Renters	Owners
Washington, DC								
consumer expenditures	Lower	8,870	6,156	6,156	4,483	3,791	23,300	23,300
	Middle	13,230	8,825	8,825	6,749	6,495	35,300	35,300
	Upper	19,478	12,500	12,500	10,018	10,709	52,700	52,700
Maui County, HI	Lower	11,037	10,058	6,810	5,992	4,095	27,934	31,182
	Middle	16,343	13,072	8,515	9,125	6,931	40,914	45,471
	Upper	23,892	14,906	9,905	13,686	11,323	58,806	63,807
Honolulu, HI	Lower	10,500	11,203	7,252	6,021	4,003	27,776	31,727
	Middle	15,574	14,926	9,442	9,143	6,833	40,992	46,476
	Upper	22,809	21,393	12,695	13,678	11,235	60,417	69,115
Hawaii County, HI	Lower	10,204	7,243	5,461	6,145	3,904	25,714	27,496
	Middle	15,086	9,567	7,233	9,362	6,689	38,370	40,704
	Upper	22,026	11,141	8,260	14,049	11,023	55,358	58,239
Kauai County, HI	Lower	11,031	8,959	6,225	6,208	3,896	27,360	30,094
	Middle	16,269	11,677	7,529	9,457	6,685	39,940	44,088
	Upper	23,705	13,529	8,778	14,188	11,029	57,700	62,451

Warning: These estimates are very rough. They are based on aggregate ratios of the costs of selected consumer goods and services in Hawaii to the same items in Washington DC, then multiplied by the proportion of total consumer spending by income level in each category as determined from the nationally based Consumer Expenditure Survey. The ratios are based on after-tax spending patterns, but the amounts in this table are calculated by applying these ratios to total income (*not* after-tax income). Actual expenditures will be lower because income taxes and social security/medicare contributions were not deducted from income before the ratios were applied.

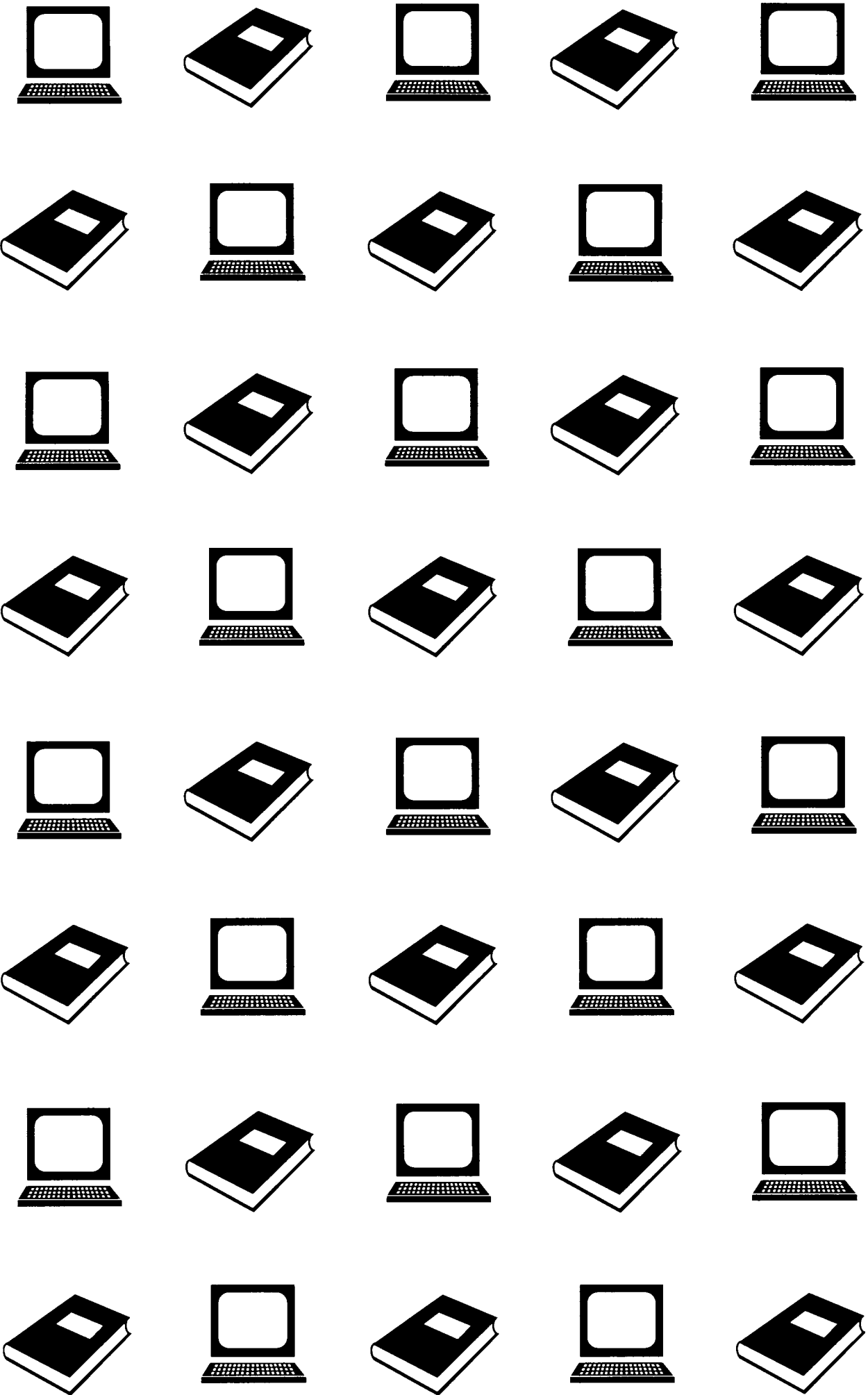
NOTE: Base income levels are: Lower = \$23,300/yr, middle = \$35,300/yr, and upper = \$52,700/yr. The proportion of spending in each category to the total is deemed constant between locations. Proportions are based on the U.S. Department of Commerce, Bureau of Labor Statistics, Consumer Expenditure Survey, and vary according to income level.

CONSUMPTION GOODS AND SERVICES: Consists of food at home and away from home, tobacco, alcohol, furnishings and household operations, clothing, domestic service, professional services, personal care and recreation. HOUSING COSTS: Includes taxes, maintenance, and utilities as well as mortgage or rent. TRANSPORTATION: Costs of buying and maintaining vehicles, including insurance, plus air travel and public transportation. MISCELLANEOUS: Medical care, private education, contributions, personal insurance and retirement.

Note: Surveys used to determine Cost-of-Living for Hawaii are conducted every three years. Next Survey to be conducted in 2004.

SOURCE: U.S. Office of Personnel Management, "Report on 1998 Surveys Used to Determine Cost-of-Living Allowances in Nonforeign Areas," *Federal Register* vol. 65, no. 137, July 17, 2000, pp. 44103-44173.

Education



Section 2

EDUCATION

This section covers statistics on public and private schools, enrollment, number of teachers, high school graduates, enrollment at Maui Community College, degrees offered, number of faculty at Maui Community College and libraries.

Maui County public and private schools provide educational opportunities for students from pre-kindergarten through senior high school. Maui Community College offers courses in a wide variety of technical, vocational and liberal arts disciplines and through the University of Hawai`i Center offers 4- and 5-year University of Hawai`i degrees via the Hawai`i Interactive Television System (HITS).

The Hawaii State Public Library System in Maui County has eight locations on three islands, Maui, Molokai and Lanai. Maui Community College Library holdings include four centers; two on Maui (Kahului and Hana), and one each on Molokai and Lanai.

The principal sources of the data on education are the Hawaii State Department of Education, the Hawaii Association of Private Schools, and the University of Hawaii Institutional Research Office. On libraries, the principal sources are the Hawaii State Public Library System, Research and Evaluation Services and the Maui Community College Library.

2.1

**MAUI DISTRICT PUBLIC AND PRIVATE SCHOOLS
BY ISLAND AND LOCATION**

MAUI

Hana

Hana High and Elementary	K-12
Keanae Elementary	K-3

Kihei

Kamalii Elementary	K-5
Kihei Elementary	K-5
Kihei Public Charter High	9-12
Lokelani Intermediate	6-8
Montessori Hale O Keiki	Pre-6

Lahaina

King Kamehameha III Elementary	K-5
Lahaina Intermediate	6-8
Lahainaluna High	9-12
Princess Nahienaena Elementary	K-5
Sacred Hearts Elementary	K-8

Kahului/Wailuku

H. Perrine Baldwin High	9-12
Christ the King	K-6
Emmanuel Lutheran	K-6
Iao Intermediate	6-8
Kaahumanu Hou Christian (Maui)	K-12
Kahului Elementary	K-5
Lihikai Elementary	K-5
Maui Adventist	1-8
Maui High	9-12
Maui Waena Intermediate	6-8
St. Anthony Grade School	K-6
St. Anthony Junior and Senior High	7-12
Waihee Elementary	K-5
Wailuku Elementary	K-5

Upcountry/North Shore

Clearview Christian Girls School	6-8
Doris Todd Memorial Christian	PreK-8
Haiku Elementary	K-5
Haleakala Waldorf	PreK-8
Horizons Academy	K-8
S. Enoka Kalama Intermediate	6-8
Kamehameha School (Maui)	K-11
King Kekaulike High	9-12
Kula Elementary	K-5
Makawao Elementary	K-5
Maui Christian Academy	7-8
Montessori Hale O'Keiki	PreK-4
Montessori of Maui	PreK-6
Paia Elementary	K-5
Pukalani Elementary	K-5
St. Joseph	K-8
Seabury Hall	6-12

LANAI

Lanai High and Elementary	K-12
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MOLOKAI

Kamehameha Preschool Kalamaula	Preschool only
Kaunakakai Elementary	K-6
Kilohana Elementary	K-6
Kualapuu Elementary	K-6
Maunaloa Elementary	K-6
Molokai Christian Academy	PreK-12
Molokai High and Intermediate	7-12
Molokai Mission	K-8

SOURCES: Hawaii State Department of Education, records; Hawaii Association of Independent Schools, *Licensed Private Schools 2002-2003*.

2.2

**PER PUPIL EXPENDITURES BY SCHOOLS/
FUNCTIONS, MAUI COUNTY
2002-2003**

School	Instructional			Operations	Other Commitments
	Instruction	Support	Leadership		
State Average	4,467.22	2,279.01	626.58	1,226.47	73.65
Baldwin High	3,445.47	2,053.15	462.52	920.30	142.69
Haiku Elementary		4,234.72	1,737.97	649.31	1,110.92
59.91					
Hana High & Elementary	4,623.76	4,874.37	969.36	1,525.14	52.65
Iao	3,722.97	1,592.29	602.72	1,017.22	104.12
Kahului	4,426.71	1,714.24	408.87	1,255.99	58.20
Kalama Intermediate	3,899.90	2,151.22	481.29	988.14	53.63
Kamalii Elementary	3,526.00	1,308.89	423.32	972.58	58.85
Kamehameha III	3,762.62	1,496.04	577.24	1,082.80	58.79
Kaunakakai	5,201.63	3,622.10	828.26	1,656.66	85.46
Keanae	11,405.25	929.94	587.25	3,640.46	62.84
Kekaulike High	3,257.06	2,363.60	475.95	923.22	51.54
Kihei Elementary	3,779.64	1,613.94	471.69	1,100.42	59.79
Kihei Charter High School	6,255.45	1,037.17	74.36	365.23	54.80
Kilohana	5,977.78	5,359.24	1,607.30	2,180.04	53.67
Kualapuu	4,194.09	2,628.52	800.06	1,563.95	87.25
Kula	4,127.16	1,840.37	511.17	1,174.59	76.13
Lahaina Intermediate	3,816.97	1,987.60	604.07	1,466.44	55.43
Lahainaluna High	3,113.75	2,167.88	623.73	915.65	54.55
Lanai High & Elementary	3,864.69	3,349.72	881.84	1,282.13	82.89
Lihikai	3,959.33	1,994.45	398.65	994.78	129.63
Lokelani Intermediate	6,664.32	4,762.68	1,213.22	1,014.27	150.47
Makawao	4,546.94	2,302.31	641.61	1,180.23	56.47
Maui High	3,590.82	2,193.26	449.93	977.36	60.50
Maui Waena Intermediate	3,533.71	1,872.04	559.04	1,015.43	84.73
Maunaloa	3,779.14	1,498.86	567.00	1,137.22	83.11
Molokai High & Intermediate	4,333.15	3,951.74	746.86	1,252.63	67.10
Nahienaena	3,827.50	1,397.36	524.05	600.34	59.18
Paia	4,666.06	2,558.88	860.28	1,500.02	83.75
Pukalani	4,419.80	1,340.52	567.39	1,207.23	59.14
Waihee	4,046.73	1,472.24	451.01	991.80	58.60
Wailuku	4,480.68	1,476.86	404.63	1,007.27	77.19

Source: Hawaii State Department of Education, records.

2.3

PUBLIC SCHOOLS: ENROLLMENT AND GRADES, MAUI DISTRICT

School	2000	2001	2002	2003	Grades
H. Perrine Baldwin High	1,707	1,693	1,726	1,651	9-12
Haiku	444	429	418	426	K-5
Hana High & Elementary	402	387	389	388	K-12
Iao	887	842	825	830	6-8
Kahului	864	834	842	855	K-5
S. Enoka Kalama Intermediate	1,137	1,179	1,132	1,066	6-8
Kamalii	748	841	809	751	K-5
King Kamehameha III	620	651	642	679	K-5
Kaunakakai	271	264	243	238	K-6
Keanae	3	3	6	3	K-3
Kihei Charter High School ¹			155	164	9-12
King Kekaulike High ²	1,422	1,459	1,413	1,379	9-12
Kihei	779	774	817	830	K-5
Kilohana	118	118	105	109	K-6
Kualapuu	401	387	351	352	K-6
Kula Elementary	451	440	430	421	K-5
Lahaina Intermediate	626	632	642	625	6-8
Lahainaluna High	924	986	1,038	1,000	9-12
Lanai High & Elementary	688	659	672	636	K-12
Lihikai	1,119	1,144	1,134	1,143	K-5
Lokelani Intermediate	673	718	773	764	6-8
Makawao	551	514	489	489	K-5
Maui High	1,734	1,673	1,654	1,669	9-12
Maui Waena Intermediate	960	1,008	1,007	1,033	6-8
Maunaloa	73	54	66	73	K-6
Molokai High & Intermediate	782	757	748	704	7-12
Princess Nahienaena	645	636	649	655	K-5
Paia	214	214	207	212	K-5
Pukalani Elementary	509	471	474	493	K-5
Waihee	859	877	828	833	K-5
Wailuku Elementary	934	952	959	937	K-5
Total Enrollment	21,645	21,596	21,643	21,408	

¹ Kihei New Century PC High School is a Charter School, established in 2001.

² King Kekaulike first opened in 1995. The school added one grade per year through 1998.

SOURCE: Hawaii State Department of Education, records.

2.4

**STUDENT PROFILES,
MAUI COUNTY PUBLIC SCHOOLS,
SCHOOL YEAR 2002-03**

School	Fall Enrollment	Students Enrolled for the Entire School year	Receiving Free or Reduced-cost Lunch	Students in Special Education	Students with Limited English Proficiency
Elementary Schools					
Haiku	418	79.7%	57.9%	11.7%	2.4%
Kahului	842	85.2%	58.7%	2.4%	17.7%
Kamalii	809	81.0%	33.3%	7.9%	5.8%
Kamehameha III	642	82.2%	42.4%	11.5%	22.3%
Kaunakakai	243	85.5%	82.7%	18.9%	6.2%
Keanae	6	n/a	16.7%	n/a	n/a
Kihei	817	72.5%	61.0%	5.3%	13.1%
Kilohana	105	83.8%	82.9%	11.4%	n/a
Kualapuu	351	86.3%	76.1%	8.8%	1.7%
Kula	430	84.0%	30.2%	7.9%	3.3%
Lihikai	1134	n/a	48.9%	9.1%	13.8%
Makawao	489	84.3%	58.1%	8.6%	5.5%
Maunaloa	66	78.8%	89.4%	12.1%	1.5%
Nahienaena	649	84.7%	41.1%	8.8%	26.2%
Paia	207	88.9%	61.8%	6.3%	1.9%
Pukalani	474	84.4%	49.2%	7.8%	4.4%
Waihee	828	90.1%	44.3%	8.1%	4.3%
Wailuku	959	85.7%	50.1%	9.1%	3.4%
Intermediate/Middle Schools					
Iao	825	61.0%	45.7%	5.7%	2.8%
Kalama	1132	68.0%	50.9%	19.2%	2.7%
Lahaina	642	62.3%	45.5%	11.5%	11.4%
Lokelani	773	60.0%	47.0%	11.6%	4.9%
Maui Waena	1007	64.9%	47.5%	3.0%	9.9%
High Schools					
Baldwin	1726	82.3%	25.4%	4.6%	6.8%
King Kekaulike	1413	81.1%	40.3%	16.8%	2.2%
Lahainaluna	1038	67.9%	25.2%	9.1%	13.1%
Maui	1654	75.1%	34.3%	3.3%	15.2%
Multi-Level Schools					
Hana High & Elem	389	88.7%	82.0%	4.6%	0.5%
Lanai High & Elem	672	93.5%	35.9%	15.9%	10.0%
Molokai High & Inter.	748	79.7%	79.0%	12.2%	1.6%

n/a: not available

Source: State of Hawaii Department of Education, Accountability Resource Center (ARCH), *School Status and Improvement Report, School Year 2002-2003*.

2.5

ETHNIC PROFILES, MAUI COUNTY PUBLIC SCHOOLS, SCHOOL YEAR 2002-03

School	Chinese	Filipino	Hawaiian	Part-Hawaiian	Japanese	Portugese	Hispanic	White	Others
Elementary Schools									
Haiku	0.7%	3.5%	2.3%	25.7%	2.3%	2.3%	2.1%	53.5%	9.7%
Kahului	0.5%	55.5%	3.1%	18.1%	7.8%	2.5%	2.0%	2.8%	9.7%
Kamalii	0.9%	8.7%	1.3%	8.1%	2.7%	0.4%	1.4%	51.4%	26.5%
Kamehameha III	0.2%	15.8%	0.9%	12.0%	2.6%	0.5%	12.3%	32.1%	35.9%
Kaunakakai	0.0%	15.2%	6.3%	62.1%	2.7%	0.0%	0.8%	8.2%	5.5%
Keanae	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Kihei	0.0%	33.8%	0.7%	19.3%	2.9%	0.7%	4.5%	20.3%	22.3%
Kilohana	0.0%	3.5%	1.8%	84.1%	0.0%	0.9%	0.0%	8.8%	0.9%
Kualapuu	0.0%	9.0%	16.3%	68.5%	0.9%	0.0%	0.0%	3.8%	1.5%
Kula	4.0%	3.8%	5.2%	16.9%	8.1%	7.4%	2.6%	46.1%	8.5%
Lihikai	1.6%	34.7%	4.2%	21.0%	12.0%	3.9%	3.6%	5.7%	16.9%
Makawao	0.4%	11.9%	7.3%	23.8%	8.5%	11.7%	4.4%	24.6%	11.8%
Maunaloa	0.0%	6.0%	13.4%	68.7%	1.5%	4.5%	0.0%	4.5%	1.4%
Nahienaena	0.2%	46.3%	5.3%	20.4%	2.7%	0.3%	8.0%	5.9%	18.9%
Paia	0.5%	9.3%	19.5%	37.7%	3.3%	3.7%	2.8%	9.8%	16.2%
Pukalani	1.4%	12.1%	7.0%	21.4%	11.3%	9.3%	1.6%	21.0%	16.5%
Waihee	1.8%	22.9%	10.0%	34.6%	10.6%	3.0%	1.1%	9.2%	7.9%
Wailuku	1.5%	15.1%	7.6%	25.4%	19.6%	2.6%	3.0%	10.1%	18.1%
Intermediate/Middle Schools									
Iao	1.6%	24.1%	8.8%	26.0%	15.4%	2.8%	0.7%	8.8%	12.5%
Kalama	1.0%	9.5%	6.9%	25.3%	8.3%	6.9%	2.0%	29.5%	12.6%
Lahaina	0.2%	37.6%	2.8%	16.5%	2.9%	1.2%	7.1%	16.5%	22.3%
Lokelani	0.1%	24.7%	2.9%	11.5%	3.2%	1.1%	3.5%	33.8%	22.7%
Maui Waena	0.8%	45.3%	2.5%	23.3%	9.6%	3.3%	2.9%	4.8%	10.4%
High Schools									
Baldwin	1.2%	23.8%	5.4%	24.6%	15.3%	3.0%	1.8%	11.8%	14.9%
King Kekaulike	0.7%	9.2%	4.1%	21.4%	10.1%	6.8%	2.1%	33.2%	14.5%
Lahainaluna	0.3%	31.3%	1.7%	18.4%	5.0%	1.2%	4.6%	20.7%	21.4%
Maui	0.8%	39.3%	1.5%	17.5%	9.0%	2.3%	3.6%	11.8%	17.8%
Multi-Level Schools									
Hana High & Elem.	0.5%	2.8%	3.4%	76.2%	0.3%	0.5%	0.5%	13.5%	2.8%
Lanai High & Elem.	0.5%	54.9%	3.8%	18.6%	3.8%	0.8%	2.1%	7.1%	10.5%
Molokai High & Inter.	0.5%	14.0%	8.9%	59.9%	4.1%	0.4%	0.8%	6.2%	6.0%

Others: Includes Black, Native American, Korean, Samoan, Indo-Chinese, and others.

Source: Source: State of Hawaii Department of Education, Accountability Resource Center (ARCH), *School Status and Improvement Report, School Year 2002-2003*.

2.6

**COMMUNITY PROFILES, MAUI COUNTY PUBLIC SCHOOLS,
SCHOOL YEAR 2002-03**

School Community	Population	% of Population Aged 5-19	Number of Families	% of Families with Children Under 18	% of Families Headed by Single Mother	Median Household Income	% of Households Receiving Public Assistance Income	% of Families with Children Living in Poverty
State of Hawaii	1,211,537	20.6%	287,068	45.0%	18.3%	\$49,820	7.6%	11.2%
Baldwin Complex	22,782	22.4%	5,308	49.9%	19.2%	\$51,251	7.1%	10.6%
King Kekaulike Complex	33,406	22.1%	8,200	56.1%	19.9%	\$52,638	5.3%	8.8%
Lahainaluna Complex	17,967	17.3%	3,789	43.2%	19.2%	\$56,315	4.5%	8.9%
Maui Complex	41,634	19.7%	9,630	45.9%	20.6%	\$48,679	6.2%	9.2%
Hana Complex	1,855	25.0%	406	47.3%	17.2%	\$37,898	7.6%	19.4%
Lanai Complex	3,194	22.8%	805	50.1%	16.9%	\$43,642	4.9%	8.9%
Molokai Complex	7,257	28.3%	1,761	47.0%	22.5%	\$33,894	14.1%	23.6%

Note: All figures based on Census 2000

Source: State of Hawaii Department of Education, Accountability Resource Center (ARCH), School Status and Improvement Report, School Year 2002-2003.

2.7

**COMMUNITY EDUCATION ATTAINMENT LEVEL
MAUI COUNTY PUBLIC SCHOOLS,
SCHOOL YEAR 2002-03**

School Communitiy	College Graduate	Some College	High School	Less than High School Graduate
State of Hawaii	26.2%	29.9%	28.5%	5.4%
Baldwin Complex	21.1%	29.0%	31.6%	18.3%
King Kekaulike Complex	28.2%	34.5%	26.3%	11.1%
Lahainaluna Complex	22.1%	29.7%	31.8%	16.4%
Maui Complex	20.8%	32.6%	28.2%	18.4%
Hana Complex	14.4%	27.7%	42.7%	15.2%
Lanai Complex	16.5%	25.7%	27.2%	30.6%
Molokai Complex	13.8%	26.3%	38.0%	21.9%

Note: Based on Census 2000

Source: Source: State of Hawaii Department of Education, Accountability Resource Center (ARCH), *School Status and Improvement Report, School Year 2002-2003*.

2.8

**SCHOOL COMPLETION, MAUI COUNTY PUBLIC
SCHOOLS, SCHOOL YEAR 2002-03**

School	Total Completers	Diploma Graduates	Certificate of Completion	Individual Program	School Dropouts
Baldwin High	93.4%	90.8%	0.0%	2.6%	4.1%
King Kekaulike	96.7%	95.5%	0.0%	1.2%	4.8%
Lahainaluna	92.8%	89.7%	0.0%	3.1%	5.0%
Maui High	96.9%	94.9%	0.0%	2.0%	5.3%
Multi-Level Schools					
Hana High & Elem	100.0%	100.0%	0.0%	0.0%	1.0%
Lanai Hig & Elem	97.8%	95.6%	0.0%	2.2%	0.7%
Molokai High & Inter.	98.3%	95.8%	0.0%	2.5%	2.5%

Source: State of Hawaii Department of Education, Accountability Resource Center (ARCH), *School Status and Improvement Report, School Year 2002-2003*.

2.9

**TEACHING STAFF PROFILES, MAUI COUNTY
PUBLIC SCHOOLS, SCHOOL YEAR 2002-03**

School	Teacher Headcount	With 5 or More Years at this School	Average Years Experience	With Advanced Degrees	Student Teacher Ratio Regular Instruction	Student Teacher Ratio Special Education
Elementary Schools						
Haiku	24.0	16.0	14.5	4.0	18.2	12.0
Kahului	50.0	40.0	18.1	10.0	18.2	9.9
Kamalii	43.0	24.0	10.2	9.0	18.8	19.0
Kamehameha III	37.0	24.0	11.0	7.0	18.6	11.5
Kaunakakai	17.0	5.0	10.6	2.0	14.7	12.3
Keanae	1.0	1.0	16.0	0.0	6.0	0.0
Kihei	50.0	26.0	10.1	8.0	17.8	7.3
Kilohana	7.0	4.0	11.2	2.0	12.6	0.0
Kualapuu	22.0	16.0	11.4	1.0	16.9	14.5
Kula	24.0	19.0	17.1	4.0	18.9	11.3
Lihikai	69.0	33.0	13.6	15.0	17.8	9.5
Makawao	33.0	24.0	13.5	8.0	16.7	7.9
Maunaloa	5.0	2.0	6.8	3.0	14.3	18.0
Nahienaena	39.0	19.0	8.0	7.0	18.4	8.4
Paia	15.0	11.0	14.2	4.0	13.9	13.0
Pukalani	28.0	21.0	17.1	5.0	19.7	7.8
Waihee	48.0	36.0	12.1	7.0	18.2	10.3
Wailuku	59.0	36.0	15.6	12.0	18.4	7.8
Intermediate/Middle Schools						
Iao	48.0	32.0	12.9	16.0	18.2	12.4
Kalama	70.0	45.0	13.1	22.0	16.1	16.9
Lahaina	41.0	24.0	8.7	8.0	17.4	10.5
Lokelani	43.0	11.0	6.2	9.0	17.7	22.2
Maui Waena	57.0	27.0	9.2	11.0	19.4	12.0
High Schools						
Baldwin	90.0	70.0	15.1	28.0	19.6	19.5
King Kekaulike	77.0	39.0	8.5	25.0	17.5	25.6
Lahainaluna	56.0	25.0	8.7	9.0	18.7	21.7
Maui	92.0	61.0	14.2	19.0	18.3	21.9
Multi-Level Schools						
Hana High & Elem	31.0	13.0	9.2	9.0	13.0	17.5
Lanai High & Elem	45.0	16.0	7.0	9.0	15.2	18.9
Molokai High & Inter.	47.0	23.0	10.9	9.0	13.7	37.6

Source: State of Hawaii Department of Education, Accountability Resource Center (ARCH), *School Status and Improvement Report, School Year 2002-2003*.

2.10
STANFORD ACHIEVEMENT TEST SCORES,
MAUI COUNTY SCHOOLS,
SCHOOL YEAR 2003-04

School	Grade	Reading			Math		
		% Below Average	% Average	% Above Average	% Below Average	% Average	% Above Average
Elementary Schools							
Haiku	5	16	59	26	12	41	48
Kahului	5	31	58	11	20	49	32
Kamalii	5	11	58	31	4	51	44
Kamehameha III	5	21	60	19	20	43	37
Kaunakakai	5	52	42	6	18	67	15
Keanae*	n/a						
Kihei	5	29	56	15	19	53	28
Kilohana	5	17	75	8	25	33	42
Kualapuu EL PCCS	5	22	65	13	7	52	41
Kula	5	10	55	35	13	38	49
Lihikai	5	30	57	13	21	55	24
Makawao	5	26	66	8	22	52	26
Maunaloa	5	38	63	0	38	50	13
Nahienaena	5	31	65	4	23	61	16
Paia	5	26	68	6	23	43	34
Pukalani	5	18	50	32	13	44	43
Waihee	5	20	68	12	9	51	40
Wailuku	5	20	56	24	14	45	41
State Average	5	23.9	56.6	19.5	18.8	45.2	35.9
Intermediate/Middle Schools							
Iao	8	27	55	18	30	51	19
Kalama	8	21	57	23	26	50	23
Lahaina	8	30	57	14	35	52	13
Lokelani	8	28	54	18	24	57	19
Maui Waena	8	40	47	13	37	49	14
Molokai	8	45	45	9	40	47	13
State Average	8	27.0	53.9	19.1	25.9	52.5	21.6
High Schools							
Baldwin	10	35	58	7	38	46	17
King Kekaulike	10	31	61	8	31	53	16
Lahainaluna	10	30	57	14	35	52	13
Molokai	10	39	56	4	37	50	13
Maui	10	50	47	3	41	52	7
Kihei PC High School	10	34	54	11	31	57	11
State Average	10	36.0	58.2	5.8	31.4	49.5	19.0
Multi-Level Schools							
Hana High & Elem	10	45	52	3	48	48	3
Lanai High & Elem	10	33	67	0	32	65	3

* Data not shown for privacy reasons.

Source: State of Hawaii, Department of Education, SAT/HGPS Results and *The Honolulu Advertiser*, September 3, 2004.

2.11

**PRIVATE SCHOOL CHARACTERISTICS,
SCHOOL YEAR 2002**

School	Classroom Teachers	Student Teacher Ratio	Ethnicity (by number of students)				
			Amer Ind/ Alaskan	Asian Pacific Islander	Black	Hispanic	White
Christ the King ⁸	15.0	8.5	1	95	1	2	28
Clearview Christian Girls School ³	2.3	8.7	0	6	0	0	14
Doris Todd Memorial Christian ²	11.0	11.5	0	62	5	7	52
Emmanuel Lutheran ⁶	6.5	16.3	0	64	1	0	41
Haleakala Waldorf School ⁷	18.3	8.9	0	0	1	0	161
Horizons Academy of Maui, Inc. ⁷	6.1	7.7	0	13	0	2	32
Kaahumanu Hou Christian (Maui) ¹	12.0	9.5	1	21	5	8	79
Kamehameha Schools (Maui) ⁴	22.1	12.3	0	272	0	0	0
Kamehameha Schools (Molokai) ⁴	n/a						
Maui Adventist ⁹	2.0	17.0	0	29	0	3	2
Molokai Christian Academy ³	10.0	6.8	0	40	2	0	26
Molokai Mission ⁹	1.0	3.0	0	2	0	0	1
Montessori Hale o' Keiki ⁷	6.4	5.6	0	12	0	0	24
Montessori of Maui ⁷	7.9	15.2	0	22	2	4	92
Sacred Hearts Elementary ⁸	13.4	18.4	0	68	2	4	173
St. Anthony Grade School ⁸	8.3	24.1	0	89	0	4	107
St. Anthony Junior & Senior High ⁸	30.4	12.0	0	158	2	15	190
St. Joseph ⁸	12.3	6.9	3	46	0	5	31
Seabury Hall ⁵	45.6	8.7	0	124	2	0	272
Victory Christian Academy ³	9	9.2	0	0	5	0	78

n/a Not available

Affiliation

¹ Assembly of God

² Baptist

³ Christian

⁴ Church of Christ

⁵ Episcopal

⁶ Lutheran Church

⁷ Nonsectarian

⁸ Roman Catholic

⁹ Seventh-Day Adventist

Source: National Center for Educational Statistics (NCES).

2.12

**PRIVATE SCHOOL TUITION,
MAUI COUNTY 2003-04**

School	Tuition Fees
Christ the King	2,800
Clearview Christian Girls School	6,000
Doris Todd Memorial Christian	3,240 - 3,340
Emmanuel Lutheran	3,710 - 4,900
Haleakala Waldorf School	2,950 - 7,100
Horizons Academy of Maui, Inc.	11,660 - 12,400
Kaahumanu Hou Christian (Maui)	3,050 - 4,150
Kamehameha Schools (Maui)	1,315 - 1,784
Kamehameha Schools (Molokai)	
Maui Adventist	3,950
Molokai Christian Academy	2,950
Molokai Mission	1,900
Montessori Hale o' Keiki	6,050
Montessori of Maui	6,005 - 7,205
Sacred Hearts Elementary	2,650 - 2,900
St. Anthony Grade School	3,000
St. Anthony Junior & Senior High	6,200 - 6,400
St. Joseph	2,950
Seabury Hall	12,850

Source: Hawaii Council of Private Schools, *Private School Tuition Report 2003-04*.

2.13

**PRIVATE SCHOOLS: ENROLLMENT AND GRADES,
MAUI DISTRICT**

School	2001	2002	2003	2004	Grades
Christ the King	165	188	188	160	PreK-8
Clearview Christian Girls School	24	22	23	24	6-8
Doris Todd Memorial Christian	136	132	134	124	PreK-8
Emmanuel Lutheran	105	130	130	149	K-7
Haleakala Waldorf School	197	220	204	212	PreK-8
Horizons Academy of Maui, Inc.	43	38	29	24	K-8
Kaahumanu Hou Christian (Maui)	160	200	118	121	PreK-12
Kamehameha Schools (Maui)	272	417	736	832	K-3
Kamehameha Schools (Molokai)			20	20	Pre
Maui Adventist	NR	NR	30	31	1-8
Molokai Christian Academy	75	85	75	65	PreK-12
Molokai Mission	4	9	7	6	K-8
Montessori Hale o' Keiki	76	60	55	57	PreK-4
Montessori of Maui	189	189	185	178	PreK-6
Sacred Hearts Elementary	247	235	240	221	K-8
St. Anthony Grade School	196	189	236	200	PreK-6
St. Anthony Junior & Senior High	370	330	330	288	7-12
St. Joseph	119	102	108	118	PreK-6
Seabury Hall	394	394	394	390	6-12
Total Enrollment	2,772	2,940	3,242	3,220	

NR: Failed to respond

Source: Hawaii Council of Private Schools, *Private School Enrollment Report* and phone survey.

2.14

LIBRARY HOLDINGS AND CIRCULATION, HAWAII STATE PUBLIC LIBRARY SYSTEM, MAUI LIBRARY DISTRICT

	2001	2002	2003
Library locations, June 30 ¹	8	8	8
Personnel, June 30 ²	44	44	45
Circulation, year ended June 30	695,454	786,880	681,358
Collections, June 30			
Books, Video Tapes & Sound Recordings ³	361,858	369,522	393,105
Periodical subscriptions	808	844	725

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

² Full-time equivalent basis, but including permanent and temporary State general-funded positions and temporary Federal funded positions but excluding student help.

³ Books includes braille. Video tapes include digital video disks (DVDs). Sound recordings include talking books, magnetic tape, recorded cassettes, compact disks and L.P. records.

SOURCE: Hawaii State Public Library System, Information Management Branch, records.

2.15

LIBRARY HOLDINGS AND CIRCULATION, MAUI COMMUNITY COLLEGE

	Number of volumes, June 30	Circulation, year ended June 30
1993	41,391	32,975
1994	41,391	38,379
1995	42,523	34,558
1996	43,595	21,219
1997	45,808	35,704
1998	46,649	37,575
1999	48,546	25,698
2000	49,812	20,482
2001	50,416	22,020
2002r	51,130	7,401
2003	52,737	8,126

r Revised from Previous Data Book.

¹ Includes holdings on Molokai and Lanai, and in Hana.

² Circulation also includes in-house and interlibrary loan counts.

³ Maui circulation for 2002 includes in-house and Interlibrary loan counts.

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

**DEGREES AND CERTIFICATES EARNED BY DEGREE AND PROGRAM
MAUI COMMUNITY COLLEGE, FISCAL YEARS ENDING JUNE 30**

PROGRAM	DEGREES/CERTIFICATES OFFERED		TOTAL EARNED			ASSOCIATE DEGREES			CERTIFICATES OF ACHIEVEMENT		
	(Fall 2003)		2001	2002	2003	2001	2002	2003	2001	2002	2003
TOTAL	21	22	235	296	293	152	198	199	83	98	94
General and Pre-Professional Education	AA	-	47	79	79	47	68	79	-	-	-
Career and Technical Education	AS/AAS	CA	188	228	214	105	130	120	83	98	61
Business Education	AAS	CA	36	58	84	25	35	51	11	23	29
Accounting	AAS	CA	7	15	20	4	10	11	3	8	8
Business Careers	AAS	CA	5	7	17	3	6	11	2	1	4
Hotel Operations	AAS	CA	8	14	5	7	7	4	1	7	1
Office Administration & Technology	AAS	CA	16	22	42	11	12	25	5	10	16
Food Service Programs (Food Service)	AAS	CA	57	45	34	34	26	21	23	19	1
Health Service Programs (Nursing) ¹	AS	CA	65	70	64	27	33	28	38	37	27
Public Service Programs	AS/AAS	CA	16	16	12	10	10	9	6	6	2
Administration of Justice	AAS	CA	6	7	4	3	4	3	3	3	-
Human Services	AS	CA	10	9	8	7	6	6	3	3	2
Trades and Technology Programs	AS/AAS	CA	14	34	20	9	21	11	5	13	-
Horticulture and Landscape Maintenance	AAS	CA	1	5	4	0	4	3	1	1	1
Auto Body Repair & Painting	AAS	CA	0	4	-	0	1	-	0	3	-
Automotive Technology	AAS	CA	1	7	4	1	3	1	0	4	-
Building Maintenance	-	CA	1	1	2	-	-	-	1	1	-
Carpentry Technology	AAS	CA	0	-	-	0	-	-	0	-	-
Drafting Technology	-	CA	0	1	2	-	-	-	0	1	1
Electronics Engineering	AS	CA	10	16	8	8	13	7	2	3	-
Computer Engineering	AS	-	0	-	-	-	-	-	0	-	-
Fashion Technology	AAS	CA	1	-	-	0	-	-	1	-	-
Sustainable Technology ²	AAS	CA	-	-	-	-	-	-	-	-	-
Welding Technology	-	CA	0	-	-	-	-	-	0	-	-
Voc. Other (ATS)	-	-	-	5	-	-	5	-	-	-	-

NOTES: AA = Associate in Arts, AS = Associate in Science, AAS = Associate in Applied Science, CA = Certificate of Achievement, and CC = Certificate of Completion or Certificate of Competence. Certificate of Completion/Certificate of Competence counts are not published.

¹ The AS in nursing makes students eligible for the Registered Nursing Examination; the CA in nursing allows students to take the Practical Nursing Examination. ² Program established in April 2001.

SOURCE: University of Hawaii, Institutional Research Office, *Degrees and Certificates Earned*, University of Hawaii Community Colleges, Fiscal Years 2000-01, 2000-2002 and 2002-2003 (degree counts) (<http://www.hawaii.edu/cgi-bin/iro/maps/dgccc00.pdf>).

2.17

**UNIVERSITY OF HAWAII DISTANCE LEARNING
COURSE AND REGISTRATION COUNTS,
BY ISLAND**

Number of courses being taken and total headcount

Island	FALL 2002	
	Courses	Registrations
Maui	126	962
Lanai	21	78
Molokai	73	632
Subtotal Maui County	220	1,672
North Hawaii	5	58
West Hawaii	107	1,098
UH-Hilo	21	130
Kauai	70	354
Oahu	204	2,681
Military	70	1,261
Out of state, mainland	3	15
Out of state, international	18	312
Unspecified locations ¹	75	718
Total	706	7,913

NOTE: Except for the overall total course count, both courses and individual students are double counted. For example, if someone were taking 3 courses at once, they would be counted three times in the registration column. Similarly, if someone on Maui and someone else on Molokai were taking the same course, the course would be counted twice.

¹ Most of these courses are given internet-only and are not targeted to a specific location.

Source: University of Hawaii, Office of the Vice President for Policy and Planning, *Fall 2002 Distance Learning Report*, available at <http://www.hawaii.edu/ovppp/distlearn/policy.htm>.

2.18

**MAUI COMMUNITY COLLEGE,
NUMBER OF STUDENTS AND FACULTY**

Fall Semester	Total	Full-Time	Part-Time
Students Enrolled			
1990	2,337	763	1,574
1991	2,589	792	1,797
1992	2,688	851	1,837
1993	2,578	870	1,708
1994	2,809	912	1,897
1995	2,765	985	1,780
1996	2,854	1,046	1,808
1997	2,787	1,062	1,725
1998	2,849	1,074	1,775
1999	2,862	1,013	1,849
2000	2,678	998	1,680
2001	2,699	982	1,717
2002	2,989	1,042	1,947
2003	2,985	1,085	1,900
Number of Faculty			
1990	134	74	60
1991	144	85	59
1992	153	82	71
1993	156	85	71
1994	157	84	73
1995	148	80	68
1996	161	83	78
1997	161	83	78
1998	162	86	76
1999	165	87	78
2000	169	86	83
2001	180	90	90
2002r	186	97	89
2003p	160	92	68

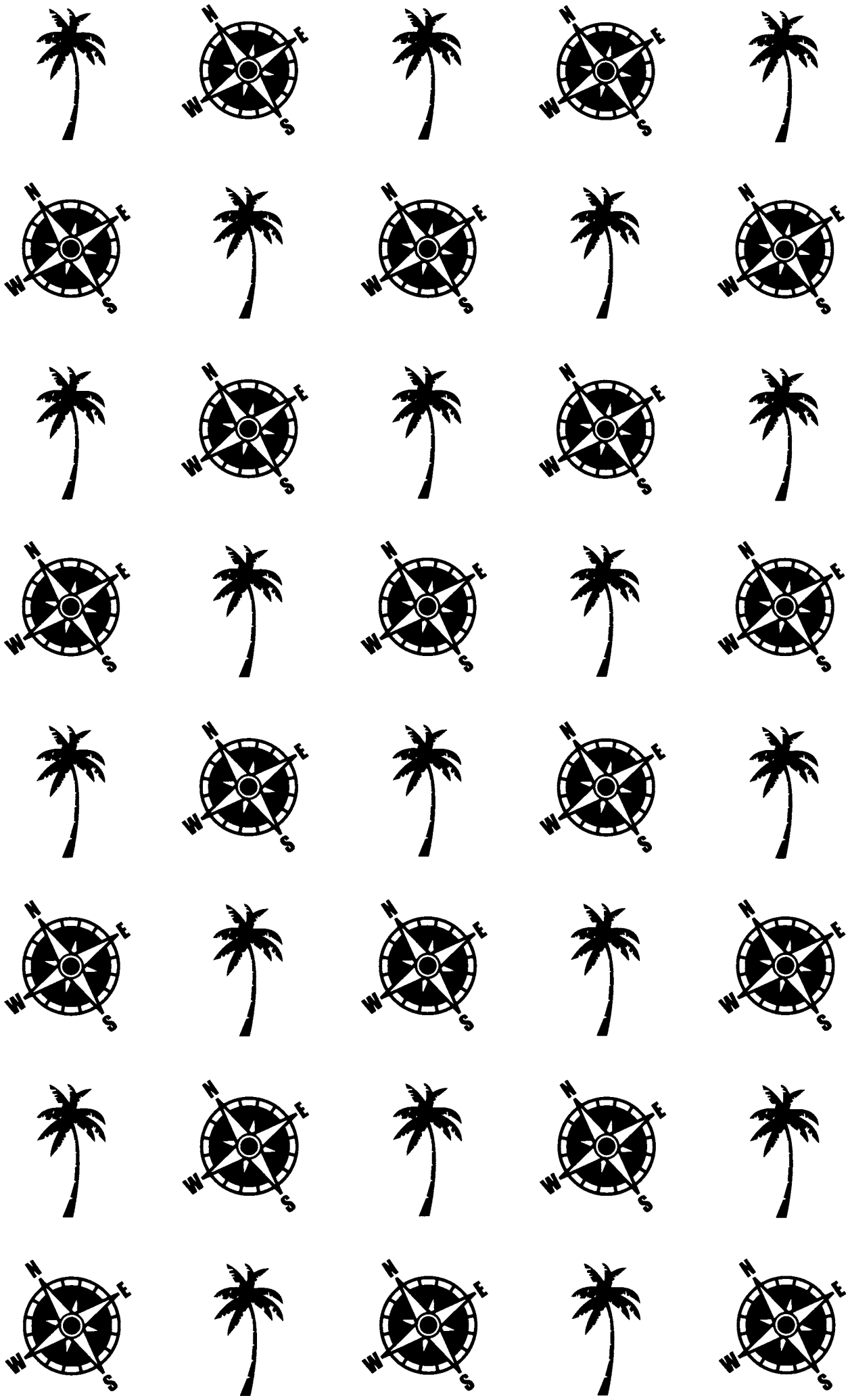
NOTE: Beginning with 1995, two additional categories of student are included in the enrollment figures. The categories are early admission (high school students taking Maui Community College classes) and concurrent (students primarily registered at another University of Hawaii campus who are taking at least one Maui Community College class).

r: revised from previous Data Book.

p: preliminary.

SOURCES: University of Hawaii, Institutional Research Office, *Fall Enrollment Report, University of Hawaii, Community Colleges and Faculty and Staff Report, University of Hawaii.*

Geography & Land Use



Section 3

GEOGRAPHY & LAND USE

This section presents statistics on physical geography, water areas, climate, land use, value and ownership. Information on agriculture, forests and parks may be found in other sections of the book.

Maui County consists of four of the major eight islands in the State of Hawaii: Maui, Molokai, Lanai and Kahoolawe. The total land area of Maui County is 1,171.0 square miles with a general coastline of 210 statute miles. The highest peak in the county is Haleakala (Red Hill), Maui, at 10,023 feet; the largest stream is Kalialinui-Waiale Gulch, Maui, 18 miles; the most extensive lake or similar body, Kealia Pond (Marsh), Maui, 500 acres and the highest waterfall (in the county and in the state) is Kahiwa, Molokai, a 1,750-foot cascade.

The climate of Maui County is defined by average temperatures ranging from 80.6 degrees in the warmest month at Kahului Airport, Maui, to 71.7 degrees in the coolest month. Rainfall varies greatly. Annual averages for rainfall in the county range from 68 inches in Hana, to 24 inches in Molokai, to 12 inches in Kihei.

The State Land Use Commission has zoned 27,205 acres in Maui County as urban, 311,601 as conservation, 404,043 as agricultural and 8,051 as rural.

In the State of Hawaii, land ownership data indicates that the federal government owns 4.6 percent of all land, the state and counties own 33.6 percent, and private owners (chiefly large estates) have 61.8 percent. The island of Kahoolawe (28,800 acres) was transferred from the federal government to the State of Hawaii in May, 1994.

Considerable caution is necessary in comparing statistics from different sources on land use and ownership. Variations in definitions and survey dates seriously affect comparability.

Sources important to these tables are the U.S. National Climatic Data Center, the Atlas of Hawaii, 3rd edition, published by the University of Hawaii Press in 1998; Government in Hawaii, published annually by the Tax Foundation of Hawaii; and The State of Hawaii Data Book, published annually by the Department of Business, Economic Development and Tourism.

3.1.1

LAND AND WATER AREA OF COUNTIES AND ISLANDS

County or Island	SQUARE MILES			ACRES ¹	
	Total	Land ²	Inland Water ³	Total	Land
State Total	6,470.8	6,425.2	45.6	4,141,312	4,112,128
Counties⁴					
Hawaii	4,035.2	4,034.2	1.0	2,582,528	2,581,888
Maui	1,171.0	1,161.6	9.4	749,440	743,424
Kalawao	14.3	13.3	1.0	9,152	8,512
Honolulu ⁵	620.5	596.3	24.2	397,120	381,632
Kauai ⁵	629.8	619.8	10.0	403,072	396,672
Islands⁴					
Hawaii	4,035.2	4,034.2	1.0	2,582,528	2,581,888
Maui ⁶	734.5	728.6	5.9	470,080	466,304
Kahoolawe	45.9	45.0	0.9	29,376	28,800
Lanai	141.2	140.4	0.8	90,368	89,856
Molokai	263.7	260.9	2.8	168,768	166,976
Oahu	617.6	593.6	24.0	395,264	379,904
Kauai	558.2	549.4	8.8	357,248	351,616
Niihau ⁷	71.1	70.0	1.1	45,504	44,800
Kaula	0.4	0.4	–	256	256

¹ Areas in acres were calculated directly from the figures shown for square miles; these equivalents were independently rounded, and hence may not add exactly to the indicated totals and subtotals. One square mile = 640 acres.

² Dry land and land temporarily or partially covered by water, as marshland, swamps, etc. streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres of area.

³ Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water and islands having less than 40 acres of area.

⁴ Because of rounding, island figures may not add to county figures.

⁵ Reflect inclusion of Kaula in the County of Kauai rather than in the City and County of Honolulu (Act 245, S.L.H. 1988, approved June 9, 1988).

⁶ Molokini, offshore of Maui, not measured; other sources give the area of Molokini as 18.6 acres (0.03 square miles).

⁷ Includes Lehua, previously reported as 243 acres (0.38 square miles).

SOURCE: Hawaii State Department of Planning and Economic Development, *Remeasurements of the Area of Hawaii, 1982* (Statistical Memorandum 83-6, May 18, 1983); Hawaii State Department of Business and Economic Development, *State of Hawaii Data Book*.

3.1.2

GENERAL COASTLINE AND TIDAL SHORELINE OF HAWAII, BY COUNTY AND ISLAND

	GENERAL COASTLINE ¹		TIDAL SHORELINE ²	
	Statute Miles	Kilometers ³	Statute Miles	Kilometers
State Total	750	1,207	1,052	1,693
Counties				
Hawaii	266	428	313	504
Maui and Kalawao	210	338	343	552
Honolulu	137	220	234	377
Kauai	137	220	162	261
Islands⁴				
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 Islands⁵	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 mile = 1.609 km.

⁴ Data are not available for 4 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.)

3.1.3

MAJOR NAMED WATERFALLS, MAUI COUNTY

Waterfall ¹	Cascade Height (feet)	Horizontal Distance (feet)	Average Discharge (million gal/day)
Maui			
Honokohau	1,120	500	26.6
Waihiumalu	400	150	
Waimoku	40	50	37.1
Molokai			
Kahiwa	1,750	1,000	
Papalaua	1,200	500	
Wailele	500	150	
Haloku	500	200	
Hipuapua	500	300	
Olupena	300	150	
Moaula	250	200	19.7

¹ Includes the largest named waterfall in each major island, either in height or average discharge; all other named falls 250 feet high or over; and well-known small falls. Many unnamed falls have sheer drops of 200 feet or more.

SOURCE: U.S. Geological Survey, records; Hawaii State Department of Land and Natural Resources, Division of Water and Land Development, records, and Hawaii State Department of Planning and Economic Development, *Hawai'i, the Natural Environment*(1974), p.18.

3.1.4

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 ²	13,679	4,169
Hualalai	8,271	2,521
Kaunu o Kaleihoochie	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
Kaunuohua	4,535	1,382
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

3.1.4

CONTINUED

Island and Summit	Feet	Meters
Kauai		
Kawaikini	5,243	1,598
Waialeale	5,148	1,569
Namolokama Mountain	4,421	1,348
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 Shoal		
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 1991 *Guinness Book of World Records* (p. 142), "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 33,476 ft., of which 13,796 ft. are above sea level."

² *Guinness* (p. 142-143) describes Mauna Loa as having "dimensions, but not height, [which] exceed those of Mt. Everest The axes of its elliptical base, 16,322 ft. below sea level, have been estimated at 74 miles and 53 miles."

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).

3.1.5

MISCELLANEOUS GEOGRAPHIC STATISTICS, BY ISLAND

	State	Hawaii	Maui	Kahoolawe	Lanai	Molokai	Oahu	Kauai	Niihau
Extreme Length (miles)		93	48	11	18	38	44	33	8
Extreme Width (miles)		76	26	6	13	10	30	25	6
Miles of Sea Cliffs with Heights of 1,000 Feet or More ¹	33	4	–	–	1	14	–	11	3
Miles from Coast of Most Remote Point	28.5	28.5	10.6	2.4	5.2	3.9	10.6	10.8	2.4
Percent of Area Within 5 Miles of Coast	48.6	30.0	76.1	100.0	100.0	100.0	79.0	65.0	100.0
Percent of Area with Elevation of Less than 500 Feet	20.8	12.0	24.9	38.9	24.8	37.3	45.3	35.6	78.2
Percent of Area with Elevation of 2000 Feet or More	50.9	68.4	41.4	0.0	6.3	17.8	4.6	24.0	0.0
Approximate Mean Altitude (feet)	3030	3950	2390	600	1140	1150	860	1380	530
Percent of Area with Slope Less Than 10 Percent	63.5	76.0	38.5	60.0	61.0	53.0	42.5	33.5	68.0
Percent of Area with Slope 20 Percent or More	17.0	4.0	36.0	9.0	16.0	26.0	45.5	50.5	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 World Records* (1991 edition, p. 148) as "the highest sea cliffs yet pinpointed anywhere in the world."

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

3.1.6

TEMPERATURE AND PRECIPITATION
AVERAGES AND EXTREMES, MAUI COUNTY

	STATION DATA				TEMPERATURES				PRECIPITATION													
	Elevation ft.	1st Year of Record	Daily Average		Warmest Month		Coolest Month		Annual Average in.	Days Precip. >=0.01 in.	Wettest Year		Driest Year		Wettest Month		Driest Month		1 Day Record			
			High	Low	High	Low	High	Low			High	Low	High	Low	in.	Year	in.	Year	in.	Month	in.	Month
Maui																						
Haleakala																						
Ranger Station	6,960	1949	62.7	44.6	66.1	47.5	Aug	59.1	45.1	Feb	80	07/25/1953	27	02/26/1965								
Hana Airport	61	1950	80.8	67.4	83.5	70.3	Aug	78.2	63.8	Feb	94	11/03/1979	50	01/09/1953								
Kahului Airport	48	1954	83.7	67.4	87.2	71.3	Aug	80.1	63.3	Feb	97	08/31/1994	48	01/20/1969								
Kailua (NE Maui, inland)	700	1949	76.7	63.9	79.7	66.4	Sep	74.4	60.9	Feb	88	09/18/1968	50	02/21/1962								
Lahaina	45	1949	84.9	66.4	88.1	69.7	Aug	81.4	63.0	Feb	97	08/18/1985	52	12/23/1962								
Molokai																						
Molokai Airport	450	1953	81.4	67.6	85.2	71.4	Aug	77.3	63.2	Feb	96	04/14/1974	46	03/04/1987								
Lanai																						
Lanai Airport	1,300	1949	79.2	62.7	82.6	65.7	Aug	75.8	59.2	Jan	89	09/05/1954	46	01/22/1955								
Lanai City	1,620	1949	75.4	62.4	78.1	65.8	Aug	72.5	59.5	Jan	89	09/07/1994	47	02/22/1973								
Maui																						
Haleakala Ranger Station	52.97	146	121.16	1980	17.71	1962	8.54	Jan	1.22	Jun	18.50	01/09/1980										
Hana Airport	80.62	269	126.23	1965	49.64	1953	9.42	Mar	4.06	Jun	17.57	04/16/1968										
Kahului Airport	19.94	97	40.63	1989	6.76	1998	2.59	Feb	0.24	Jun	5.82	12/21/1955										
Kailua (NE Maui, inland)	119.45	268	161.82	1969	79.20	1953	12.63	Nov	6.57	Jun	15.20	11/15/1965										
Lahaina	14.62	33	34.78	1950	3.20	1953	3.21	Jan	0.08	Jun	7.01	12/27/1983										
Molokai																						
Molokai Airport	25.59	104	43.70	1963	11.06	2001	4.61	Jan	0.53	Jun	9.03	02/12/1989										
Lanai																						
Lanai Airport	19.12	59	47.66	1951	5.28	1999	3.38	Dec	0.49	Aug	10.45	11/10/1955										
Lanai City	35.37	114	66.87	1968	15.64	1999	5.30	Jan	1.28	Jun	11.25	11/10/1955										

SOURCE: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Western Regional Climate Center, Hawaii Climate Summaries.

3.1.7

MONTHLY RAINFALL AND TEMPERATURE AT SPECIFIED LOCATIONS
IN MAUI COUNTY

Station	2003												Departure from Normal	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Annual
RAINFALL¹														
Maui														
Haleakalala Ranger Station	3.95	5.85	2.69	2.25	1.56	0.09	3.36	0.95	2.39	2.22	2.63	3.84	32.60	-20.52
Hana Airport	5.73	9.68	6.08	7.32	1.24	3.64	3.28	5.09	6.64	4.39	6.55	7.29	66.93	-12.97
Kahului Airport (WSO)	2.40	5.33	1.70	0.01	T	0.02	0.07	0.21	0.17	0.15	1.05	2.72	13.83	-4.97
Kapalua-West Maui Airport	7.83	5.01	1.45	0.60	0.67	0.76	0.86	0.67	0.12	0.33	5.11	3.66	27.07	0.90
Keanae	7.50	23.50	8.50	17.00	5.50	9.00A	18.50	24.40	5.00A	9.00	0.00	24.00A	151.90	M
Kihei	2.18	2.16	1.63	0.00	0.00	0.05	0.00	0.00	0.08	0.00	0.91	4.57	11.58	-1.05
Kula Hospital	6.21	0.73	2.87	1.48	0.00	0.94	1.39	1.98	1.17	1.26	3.73	3.91	25.67	-3.00
Lahaina														
Makana Golf Course	2.22	0.66	1.31	0.00	0.00	0.03	0.23	0.72	0.00	M	0.11	3.61	M	M
Puu Kukui	12.98	34.03	12.00	30.66	11.89	18.54A	37.42	43.74	14.59A	14.80	47.41	61.46	339.52	M
Molokai														
Kalaupapa	8.41	9.28	8.24	0.72	0.26	1.08	0.03	0.43	0.14	1.55	2.73	7.16A	40.03	M
Molokai Airport	8.44	2.49	2.30	0.06	0.00	0.29	0.33	0.20	0.75	0.26	4.16	4.10	24.38	-0.26
Lanai														
Lanai Airport	4.46	2.87	2.41	2.01	0.00	0.46	0.00	M	M	M	0.44	M	M	M
Lanai City	4.35	7.62	2.05	1.15	0.00	0.64	0.69	0.17	M	0.76	1.15	4.85A	M	M

¹ Precipitation for month.

A: Accumulated amount. May include data from a previous month.

M: Insufficient or partial data; m appears alone if 10 or more daily values are missing.

3.1.7

CONTINUED

2003

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
TEMPERATURE²													
Maui													
Haleakalala Ranger Station	57.2	51.0	53.0	51.6	57.0X	56.2	58.2	57.6X	47.1	48.5X	45.3X	45.5X	46.2X
Hana Airport	71.5	70.8X	73.2	73.1X	74.6	75.5X	76.8X	M	70.7X	71.5X	65.5X	M	M
Kahului Airport	71.9	71.7	73.9	74.9	76.2	78.6	80.2	80.6	79.6	79.0	76.5	73.2	76.4
Kailua	64.7	64.5X	66.3	66.0	67.2	69.1	70.0	70.2	70.1	69.9	66.8	65.4	67.5X
Kapalua-West Maui Airport	71.9X	71.9X	74.1	74.7	76.5	77.9X	78.8	79.3	79.4	79.2	75.5	73.4	76.0X
Kula Branch Stn.	60.2	59.9	63.0	63.0	65.0	65.4	67.5	68.1	67.4	67.0	64.8	62.7	64.5
Kula Hospital	59.8X	58.9X	62.0X	62.4X	64.1	65.5X	66.7	67.7	66.7	66.4	64.3	74.4	MX
Makena Golf Course	72.1X	70.8	73.9X	75.4X	76.5X	77.3X	78.9	79.6X	78.8	M	75.9	73.4X	MX
Oheo	73.4X	72.9X	74.5X	73.1X	75.3	76.5X	77.7X	77.7X	77.8X	78.5X	75.9X	75.6X	75.7X
Molokai													
Kalaupapa	M	72.0	73.6	75.5	77.1	78.3	M	M	M	M	M	M	M
Molokai Airport	70.1	70.5	72.7	73.7	75.2	77.2	78.9X	73.0	71.7	71.5	69.5X	67.4	68.6
Lanai													
Lanai Airport	66.7	66.9	67.5	69.9	71.9	73.4	74.2	M	M	M	M	M	M
Lanai City	M	66.2X	M	68.3X	M	M	M	M	M	M	M	M	M

² Average temperature for month.

A: Accumulated amount. May include data from a previous month.

M: Insufficient or partial data; m appears alone if 10 or more daily values are missing.

X: Monthly means or totals based on incomplete time series. 1 to 9 days are missing.

T: Trace precipitation.

SOURCE: U.S. Department of Commerce, National Oceanographic and Atmospheric Administration, National Climatic Data Center, *Climatological Data Annual Summary, Hawaii and Pacific*, 2002.

3.1.8

ANNUAL RAINFALL AND TEMPERATURE AT SPECIFIED LOCATIONS, MAUI COUNTY

Station	1997	1998	1999	2000	2001	2002	2003
ANNUAL RAINFALL							
Maui							
Haleakala Ranger Station	70.19	34.16	52.24	37.30	40.62	42.56	32.60
Hana Airport	92.31	56.44	60.44	86.85	48.37	66.47	66.93
Kahului Airport (WSO)	23.08	6.76	9.66	9.72	10.53	15.07	13.83
Kapalua-West Maui Airport	36.79	19.20	21.66	18.92	20.61	27.98	27.07
Keanae	m	m	79.90m	94.50m	82.10	96.23	151.90
Kihei	19.96	4.47	7.13	3.26	6.20	13.33	11.58
Kula Branch Stn.	29.95	10.12	12.38	11.89	15.83	30.31	25.67
Lahaina	16.68	1.86	2.62	6.01	NA	NA	NA
Makena Golf Course	23.32	5.58	10.16	7.47	7.01	18.24	m
Puukolii	27.34	14.81	m	19.23	19.19	NA	NA
Puu Kukui	407.65	446.45	379.88	320.67m	307.26	242.54	m
Wailuku	49.00	17.16	18.57	16.14	24.58	m	NA
Molokai							
Kalaupapa	61.66	m	30.81	29.62	m	39.78	40.03
Molokai Airport	33.91	12.66	13.52	11.38	11.06	22.95	24.38
Lanai							
Lanai Airport	20.91	10.69	5.28	10.60	17.58	26.49	m
Lanai City	42.76	19.85	15.64	18.39	m	42.58	m
AVERAGE ANNUAL TEMPERATURE							
Maui							
Haleakala Ranger Station	54.5m	53.7	53.8m	54.9	54.95	55.6m	46.2x
Hana Airport	74.9m	74.0m	m	m	m	74.2m	m
Kahului Airport (WSO)	76.7	75.1	75.1	75.3	75.7	75.4	76.4
Kapalua-West Maui Airport	75.5m	74.3m	74.5m	75.0m	75.3m	75.4	76.0x
Kula Branch Stn.	m	63.2m	62.2m	63.8m	64.2m	64.0	64.5
Kula Hospital	64.1m	62.6m	62.8m	m	63.8m	63.4m	63.9
Lahaina ¹	m	m	m	m	NA	NA	NA
Makena Golf Course	75.3m	74.4m	74.8m	75.4m	75.7m	75.2m	mx
Molokai							
Molokai Airport	74.4m	73.9	73.8	m	m	74.9m	68.6x
Lanai							
Lanai Airport	71.4m	71.0m	70.9m	71.8m	72.0m	71.7m	m
Lanai City	m	m	68.4m	m	m	m	m

m: Insufficient or partial data; m appears alone if 10 or more daily values are missing.

NA: Not available.

¹ Lahaina station no longer in service as of 2001.

SOURCE: U.S. Department of Commerce, National Oceanographic and Atmospheric Administration, National Weather Service Forecast Office, Honolulu.

3.2.1

TRENDS IN REAL PROPERTY TAX BASE, MAUI COUNTY

*Gross valuation in thousands
As of January 1 unless otherwise noted*

	1998	1999	2000	2001	2002	2003	2004
Improved Residential							
Land	1,592,910	1,568,983	1,629,787	1,778,535	2,105,914	2,229,559	2,760,153
Improvements	803,783	817,079	883,993	980,638	1,147,963	1,221,288	1,184,331
Unimproved Residential							
Land	258,915	282,747	327,362	312,704	291,068	295,995	339,207
Improvements	1,963	1,872	122	2,373	348	10,245	2,710
Homeowner							
Land	2,283,499	2,225,415	2,383,931	2,645,650	3,068,710	3,448,058	4,587,953
Improvements	2,080,557	2,143,098	2,253,350	2,494,417	2,753,442	3,024,256	3,353,718
Hotel/Resort							
Land	975,562	1,066,582	1,066,560	1,118,337	1,212,092	1,178,686	1,391,638
Improvements	2,346,723	2,681,250	2,841,594	3,173,969	3,424,136	3,739,235	4,522,441
Apartment							
Land	500,857	496,335	570,516	576,269	660,144	630,001	677,004
Improvements	1,032,209	1,096,639	1,220,117	1,429,635	1,677,822	1,895,848	1,847,497
Commercial							
Land	572,824	611,007	631,941	672,344	698,764	675,803	756,533
Improvements	382,338	391,668	393,739	471,205	492,228	509,617	553,713
Industrial							
Land	572,949	577,667	593,621	607,145	600,716	539,019	556,447
Improvements	415,419	411,845	416,315	439,790	471,526	468,954	483,615
Agricultural							
Land	880,448	894,855	944,608	1,024,089	1,128,381	1,152,951	1,474,200
Improvements	362,129	363,055	379,565	422,948	450,050	500,406	548,376
Conservation							
Land	244,888	271,170	278,967	289,466	340,554	328,518	306,918
Improvements	28,128	27,759	29,723	29,829	30,985	33,323	36,788
TOTAL¹	15,336,101	15,929,026	16,845,811	18,469,342	20,554,842	21,881,760	25,383,244

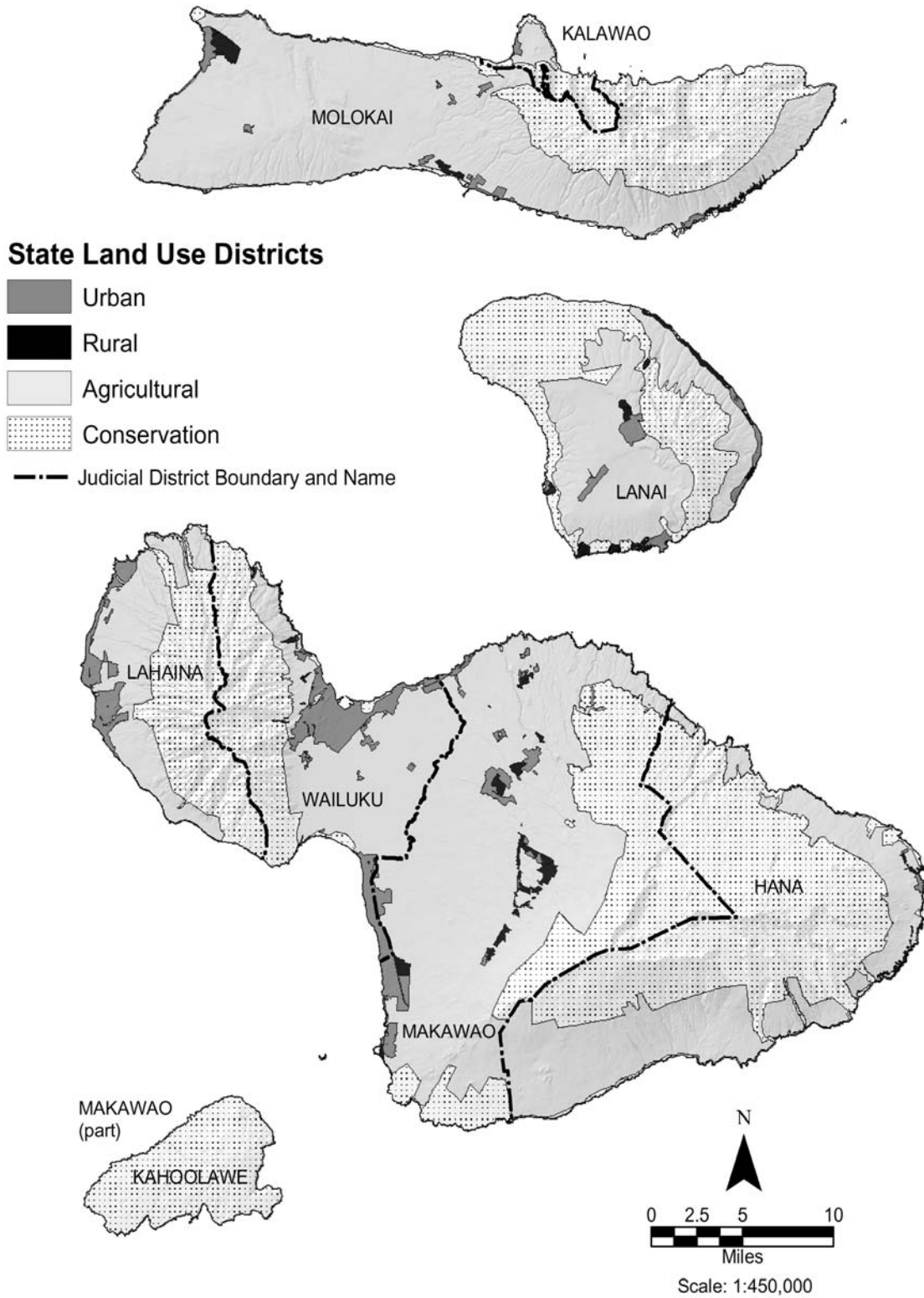
NOTES: Gross valuations do not include nontaxable properties. Detail may not add to totals due to rounding.

1. Total maybe different than sum due to rounding.

SOURCE: County of Maui, Department of Finance, Real Property Tax Division, records.

3.2.2

LAND USE DISTRICTS, MAUI COUNTY



Source: State of Hawaii, Office of Planning, Hawaii Statewide GIS Program.

3.2.3

ESTIMATED ACREAGE OF LAND USE DISTRICTS, BY ISLANDS

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 ²	CLASSIFICATION BY STATE LAND USE COMMISSION ¹			
		Urban	Conservation	Agricultural	Rural
As of December 31, 2003					
Maui	465,800	21,409	194,836	245,777	3,778
Lanai	90,500	3,257	38,197	46,639	2,407
Molokai	165,800	2,539	49,768	111,627	1,866
Kahoolawe	28,800	—	28,800	—	—
Hawaii	2,573,400	53,722	1,304,347	1,214,527	804
Oahu	386,188	100,730	156,619	128,839	—
Kauai	353,900	14,558	198,769	139,320	1,253
Niihau	45,700	—	—	45,700	—
Kaula and Lehua	400	—	400	—	—
Other Islands ³	1,900	—	1,900	—	—
State Total	4,112,388	196,215	1,973,636	1,932,429	10,108

¹ For definitions, see Hawaii Revised Statutes, Section 205-2.

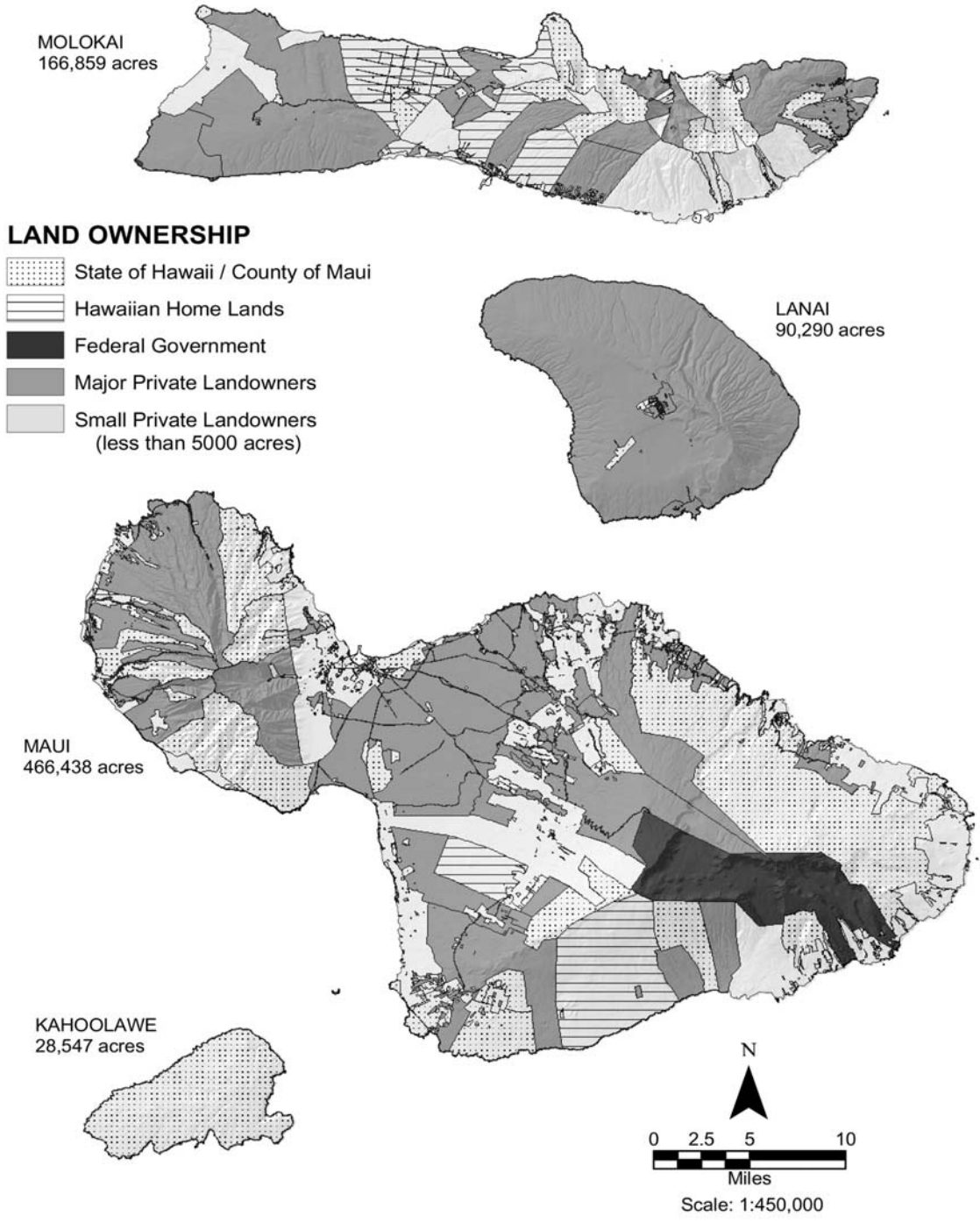
² These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census.

³ The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, excluding Midway.

SOURCE: Hawaii State Department of Business, Economic Development & Tourism, Land Use Commission, records.

3.2.4

LAND OWNERSHIP, MAUI COUNTY



Source: State of Hawaii, Office of Planning, Hawaii Statewide GIS Program.

3.2.5

NATIONAL AND STATE HISTORIC PLACES, MAUI COUNTY

Island of Maui

Alae Petroglyphs
Alena Habitation Site
Bank of Hawaii - Haiku Branch
Cave of Seven Coffins
CHINESE SOCIETY HALLS:
 Wo Hing Society Hall
 Ket Hing
Crater Historic Dist. - Haleakala
Frank Baldwin/H.F. Rice Res
Gomes Residence
Ha'iku Mill
Hale Ho'ike'ike
Hale Pa'I
Haleki'i-Pihana Heiau
Hale-o-Lono Heiau
Hamoia Complex
Hana Belt Road
Hana Police Station & Courthouse
Hana Store
Hanamau'uloa Complex
Hardy House
Holy Ghost Catholic Church
Hongwanji Temple
Honokalani Village
Honokowai Petroglyphs
Iao Theater
Ka'ahumanu Church
Kahikinui House
Kaiapuni Ho'a
Kaimupe'elua Heiau
Kalepolepo Fishpond
Kaluakakalioa Cave
Kaluanui Heiau Complex

Island of Maui Continued

Kama'ole House Site
Kauhihale Complex
Ka'umi'umia Heiau
Keone'oio Archaeological Dist.
Kilolani Congregational Church
Kipahulu Historic District
Kipapa Archaeological District
Lahaina Historic District (60 Sites)
Lo'alo'a Heiau
Luala'ilua Cave
Luala'ilua Heiau
Luala'ilua Terrace Complex
Lufkin Residence
Makawao Union Church
Maui Jinsha Mission
Molohai heiau
Paia School
Papakea heiau
Papakea Petroglyphs
Pi'ilanihale Heiau
SCHOOLS
 Wailuku School
 Puunene School
 Henry Perrine Baldwin HS
 Paia School
 Keanae School
 Kaupo School
Wahene Platform
Waiale Bridge
Waihe'e Church
Waikapu Stone Church
Wailuku Civic Center
Wananalua Cong. Church

Island of Molokai

Ahina Heiau
FISHPONDS (mostly submerged)
 Fishponds (numerous)
 Mikiawa Fishpond
 Weheleau'ulu Fishpond
 Halemahana Fishpond
 Ualapu'e Fishpond
 Kalua'aha Fishpond
 Mahilika Fishpond
 Panahana Fishpondh
 Ipukaiole Fishpond
 Kainalu Fishpond
 Kahinapohaku Fishpond
 Honouliwai Fishtrap
 Hokukano-'Ualapu'e Complex
 Keawanui Fishpond
 Kukui Heiau
 Pu'u 'Olelo Heiau
 Kaluakapi'ioho Heiau
 Kahokukano Heiau
 Pakui Heiau
 Kalauonakukui Heiau
 'Ualapu'e Fishpond
 'Ili'ili'opae Heiau
 Kalua'aha Church
 Kilohana School
 St. Joseph Catholic Church

Island of Lanai

Kealiakapu Complex
Pu'upehe Platform

Island of Kahoolawe

Kaho'olawe Archaeological Dist.

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

3.2.6

LAND IN HAWAII OWNED BY SELECTED LARGE LANDOWNERS

Ownership	2000	2001	2002	2003
Eight Large Landowners	976,693	NA	954,207	822,606
Percent of Total Land Area ¹	23.8	NA	23.2	20.0
Kamehameha Schools ²	366,042	366,458	365,794	365,760
Richard S. Smart (Parker Ranch)	136,332	136,686	135,312	134,446
Castle and Cooke, Inc.	95,200	NA	94,760	94,737
Dole Food Company, Inc.	28,515	NA	28,507	28,472
Samuel M. Damon Estate	121,360	121,360	121,357	5,336 ³
Alexander and Baldwin, Inc.	91,100	91,000	90,900	90,000
C. Brewer and Company, Ltd.	75,744	71,188	55,377	44,210
James Campbell Estate	62,400	62,200	62,200	59,645

NA Not available.

¹ Based on area of 4,110,966 acres.

² As of July 1. Formerly known as the Bernice P. Bishop Estate.

³ A significant amount of land was conveyed to various entities in 2003.

SOURCE: Department of Business, Economic Development & Tourism survey of major landowners.

3.2.7

DEPARTMENT OF HAWAIIAN HOME LANDS ACREAGE, LESSEES, AND APPLICANTS, BY ISLANDS

The Department of Hawaiian Home Lands administers land set aside for the benefit of qualified Native Hawaiians, who receive homestead leases and financial assistance from the Department

June 30, 2003	Maui	Molokai	Lanai	Hawaii	Kauai	Oahu	State Total
Acreage ¹	31,688	25,769	50	117,313	20,588	7,273	202,658
Homestead Leases	761	835	-	2,085	513	3,156	7,350
Residential	619	389	-	1,307	464	3,096	5,875
Agricultural	66	419	-	497	47	60	1,089
Pastoral	76	27	-	281	2	-	386
Applicant Waiting List ²	6,483	1,683	-	12,083	3,454	9,776	33,479
Residential	2,926	693	-	4,925	1,453	7,595	17,592
Agricultural	3,186	837	-	5,737	1,782	2,181	13,723
Pastoral	371	153	-	1,421	219	-	2,164

¹ Data based on latest figures from the trust resolution project. Acreages are rounded to the nearest acre and include 14,615 acres of new lands from the 16,518-acre land transfer from the Public Land Trust and 483 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 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, *Annual Reports* and records.

3.2.8

LAND DISPOSITIONS MADE OF PUBLIC LANDS FOR CALENDAR YEAR 2003

Documnet Number	Permittee or Grantee Name	Locataion	Acres	Use	Payment
Revocable Permits¹					
RP7205	Pacific Radio Group, Inc.	Makawao	1.000	Utility	\$9,000
RP7220	DLNR, Division of Forestry and Wildlife	Hana	0.344	Baseyard/Storage	\$0
RP7305	Norman D. Martin, Jr.	Hana	0.560	Agriculture	\$168
RP7324	Charles J. Boerner	Hana	14.354	Pasture	\$156
RP7330	AOAO Maui Kamaole, Inc.	Wailuku	0.894	Landscaping	\$156
RP7343	Castle & Cooke Lanai Properties, LLC	Lahaina	2.073	Pier/Dock	\$21,528
RP7345	Murray Hunter	Makawao	79.100	Pasture	\$204
RP7347	Kaupo Ranch, Ltd.	Hana	20.900	Pasture	\$216
RP7349	Gerald Lindsey	Makawao	14.100	Pasture	\$264
RP7351	James L. Johnson and Nancy K. Johnson	Hana	0.214	Landscaping	\$156
RP7354	Steven DeCoite and Adv. on Horseback Ltd.	Makawao	25.040	Pasture	\$168
RP7357	Sasha Smith	Makawao	2.539	Pasture	\$156
General Leases & Term Easements²					
GL5647	Mary Sanford and Claire Sanford, Trustees	Wailuku	0.008	Seawall	\$4,740
GL5648	Maui Ocean Center, Inc.	Wailuku	0.553	Waterline	\$17,250
GL5666	Elliott William Lane and Jayme Janelle Lane	Makawao	0.196		\$1,500
Executive Orders - Set Asides					
3960	Department of Transportation, Harbors Division	Lanai,	22.5	Comm. Maritime	n/a
3961	Department of Transportation, Harbors Division	Kaunakakai,	16.306	Comm. Maritime	n/a
3963	Kahoolawe Island Reserve Commission	Wailuku	8.261	Info. Center	n/a
3966	Department of Agriculture	Molokai	28.148	Agriculture	n/a
3985	Department of Water Supply, County of Maui	Ualapue	1.591	Reservoir	n/a
3997	County of Maui	Wailuku	3.185	Animal Shelter	n/a
4016	Department of Transportation, Airports Division	Kahului	82.342	Airport	n/a
4018	County of Maui	Omaopio	3.91	Agriculture	n/a
4024	County of Maui	Wailuku	222.626	Recreation	n/a
4028	Department of Accounting and General Services	Kaunakakai	4.211	Civic Center	n/a
4031	Department of Education	Lahaina	0.273	School	n/a
Perpetual Easements					
LOD28542	Kahui Pono LLC	Makawao	0.231	Utility	\$7,000
LOD28545	Evelyn Iwankiw, Brian Iwankiw, & Sally Iwankiw	Makawao	0.021	Utility	\$570
LOD28590	Barron Thomas Souza Jr. and Melissa-Ann Souza	Makawao	0.198	Utility	\$0
LOD28628	Elliott William Lane and Jayme Janelle Lane	Makawao	0.188	Utility	\$2,900
LOD28677	James Loomis and Cynthia L. Guild	Makawao	0.455	Utility	\$0
LOD28678	Jeffrey A. Guild and Cynthia L. Guild	Makawao	0.267	Utility	\$0
LOD28679	Hana Beachfront Associates	Hana	0.158	Utility	\$20,000
Dispositions to Public Utilities					
LOD28489	Verizon Hawaii Inc.	Wailuku	0.008	Utility	\$486
LOD28637	Maui Electric Company and Verizon Hawaii Inc.	Wailuku	0.06	Utility	\$0
LOD28649	Verizon Hawaii Inc.	Lahaina	0.015	Utility	\$1,390
Fee Conveyances					
LOD28506	State of Hawaii	Lahaina	0.274	School	\$0
Quitclaims of Interest					
LOD28595	County of Maui	Makawao	0.208	Por. of Olinda Road	\$0
LOD28632	County of Maui	Makawao	1.548	NW of Hana Rd	\$9,400

1 Annual Payments

2 May be annual payments or one time payment.

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

3.2.9

SINGLE FAMILY HOME AND CONDOMINIUM SALES BY AREA, MAUI COUNTY

Area	Number of Sales		Average Sales Price		Median Sales Price		Total Dollar Volume	
	2003 Sales	% Chg Last Yr	2003 Average	% Chg Last Yr	2003 Median	% Chg Last Yr	2003 Volume	% Chg Last Yr
SINGLE FAMILY HOMES								
Central	244	10%	\$376,397	21%	\$340,000	19%	\$91,840,766	34%
Haiku	77	10%	\$662,568	21%	\$620,000	34%	\$51,017,750	33%
Hana	9	350%	\$559,444	94%	\$450,000	56%	\$5,035,000	774%
Kaanapali	40	11%	\$1,074,863	-7%	\$969,500	3%	\$42,994,500	3%
Kahakuloa	1	0%	\$1,150,000	557%	\$1,150,000	557%	\$1,150,000	557%
Kapalua	9	N/A	\$3,479,667	N/A	\$2,900,000	N/A	\$31,317,000	N/A
Keanae	0	100%	\$0	-100%	\$0	-100%	\$0	-100%
Kihei	450	89%	\$451,692	9%	\$410,000	8%	\$203,261,484	107%
Kipahulu	1	0%	\$1,500,000	-20%	\$1,500,000	-20%	\$1,500,000	-20%
Kula/Ulupalakua/Kanaio	129	28%	\$681,126	22%	\$549,000	22%	\$87,865,200	55%
Lahaina	37	9%	\$562,557	40%	\$520,000	46%	\$20,814,600	52%
Lanai	16	100%	\$196,875	21%	\$182,500	15%	\$3,150,000	142%
Maalaea	1	N/A	\$2,500,000	N/A	\$2,500,000	N/A	\$2,500,000	N/A
Makawao/Olinda/Haliimaile	88	22%	\$421,752	31%	\$389,500	34%	\$37,114,205	61%
Maui Meadows	35	21%	\$820,759	30%	\$780,000	26%	\$28,726,550	56%
Molokai	4	300%	\$1,038,975	160%	\$979,950	145%	\$4,155,900	939%
Nahiku	1	-50%	\$795,000	145%	\$795,000	145%	\$795,000	22%
Napili/Kahana/Honokowai	72	47%	\$588,809	-6%	\$553,500	12%	\$42,394,240	38%
Olowalu	0	100%	\$0	-100%	\$0	-100%	\$0	-100%
Pukalani	80	45%	\$449,219	31%	\$426,500	25%	\$35,937,500	90%
Sprecklesville/Paia/Kuau	64	83%	\$663,070	28%	\$390,000	10%	\$42,436,470	133%
Wailea/Makena	52	33%	\$1,915,712	34%	\$1,287,500	36%	\$99,617,000	78%
Maui Summary:	1410	42%	\$591,222	21%	\$440,000	17%	\$833,623,165	71%
CONDOMINIUMS								
Central	144	24%	\$142,014	26%	\$141,000	18%	\$20,450,000	57%
Haiku	1	N/A	\$125,000	N/A	\$125,000	N/A	\$125,000	N/A
Hana	4	300%	\$136,250	148%	\$132,500	141%	\$545,000	891%
Kaanapali	133	10%	\$662,454	10%	\$535,000	5%	\$88,106,410	20%
Kapalua	61	27%	\$1,054,955	38%	\$685,000	40%	\$64,352,250	76%
Kihei	850	36%	\$219,548	17%	\$190,000	20%	\$186,615,386	59%
Kula/Ulupalakua/Kanaio	1	N/A	\$475,000	N/A	\$475,000	N/A	\$475,000	N/A
Lahaina	43	10%	\$446,055	28%	\$195,000	-13%	\$19,180,350	41%
Lanai	4	-33%	\$1,053,750	-23%	\$922,500	-18%	\$4,215,000	-48%
Maalaea	63	-10%	\$283,636	10%	\$285,000	14%	\$17,869,050	-1%
Napili/Kahana/Honokowai	489	17%	\$294,160	30%	\$275,000	28%	\$143,844,456	52%
Pukalani	3	-57%	\$380,000	20%	\$385,000	20%	\$1,140,000	-48%
Sprecklesville/Paia/Kuau	4	300%	\$343,200	166%	\$163,900	27%	\$1,372,800	964%
Wailea/Makena	186	51%	\$836,746	9%	\$560,000	9%	\$155,634,760	65%
Maui Summary:	1986	26%	\$354,444	18%	\$241,622	24%	\$703,925,462	49%

N/A: Not applicable.

SOURCE: Maui Board of REALTORS, *MLS Resale Data, December 2003.*

3.2.10

LAND SALES BY AREA, MAUI COUNTY

Area	Number of Sales		Average Sales Price		Median Sales Price		Total Dollar Volume	
	2003 Sales	% Chg Last Yr	2003 Average	% Chg Last Yr	2003 Median	% Chg Last Yr	2003 Volume	% Chg Last Yr
LAND SALES								
Central	87	64%	\$283,555	35%	\$290,900	46%	\$24,669,326	122%
Haiku	47	17%	\$502,503	17%	\$380,000	31%	\$23,617,650	38%
Hana	10	0%	\$431,760	-29%	\$350,050	33%	\$4,317,600	-29%
Honokohau	0	-100%	\$0	-100%	\$0	-100%	\$0	-100%
Kaanapali	60	58%	\$433,750	-10%	\$405,000	21%	\$26,025,000	42%
Kahakuloa	8	-33%	\$276,688	7%	\$274,750	9%	\$2,213,500	-29%
Kapalua	9	-61%	\$1,432,000	74%	\$900,000	38%	\$12,888,000	-32%
Kaupo	2	-33%	\$780,000	290%	\$780,000	247%	\$1,560,000	160%
Keanae	0	-100%	\$0	-100%	\$0	-100%	\$0	-100%
Kihei	29	7%	\$529,655	16%	\$275,000	20%	\$15,360,000	24%
Kula/Ulupalakua/Kanaio	57	2%	\$508,175	-3%	\$400,000	75%	\$28,966,000	-1%
Lahaina	20	122%	\$684,563	38%	\$485,000	28%	\$13,691,257	207%
Lanai	4	33%	\$996,250	49%	\$1,072,500	138%	\$3,985,000	99%
Maalaea	1	N/A	\$3,950,000	N/A	\$3,950,000	N/A	\$3,950,000	N/A
Makawao/Olinda/Haliimaile	21	-43%	\$306,000	13%	\$282,500	-5%	\$6,426,000	-36%
Maui Meadows	2	100%	\$407,500	10%	\$407,500	10%	\$815,000	119%
Molokai	13	225%	\$217,615	42%	\$155,000	-8%	\$2,829,000	360%
Nahiku	2	-33%	\$337,500	52%	\$337,500	70%	\$675,000	2%
Napili/Kahana/Honokowai	23	-18%	\$919,783	383%	\$238,000	28%	\$21,155,000	297%
Olowalu	0	-100%	\$0	-100%	\$0	-100%	\$0	-100%
Pukalani	14	40%	\$212,393	22%	\$220,000	28%	\$2,973,500	71%
Sprecklesville/Paia/Kuau	7	-42%	\$440,963	20%	\$509,740	16%	\$3,086,740	-30%
Wailea/Makena	23	-18%	\$906,500	-16%	\$545,000	31%	\$20,849,500	-31%
Maui Summary:	439	9%	\$501,260	8%	\$329,900	24%	\$220,053,073	18%

N/A: Not applicable.

Source: Maui Board of REALTORS, MLS Resale Data, December 2003.

3.2.11

**FOREST AND NATURAL AREA ACREAGE,
BY ISLAND JUNE 30, 2003**

Island	Conservation district forest land		Natural areas ³	
	Forest reserve land ¹	Private forest land ²	Number of areas	Acres
2003				
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	-	-	-	-

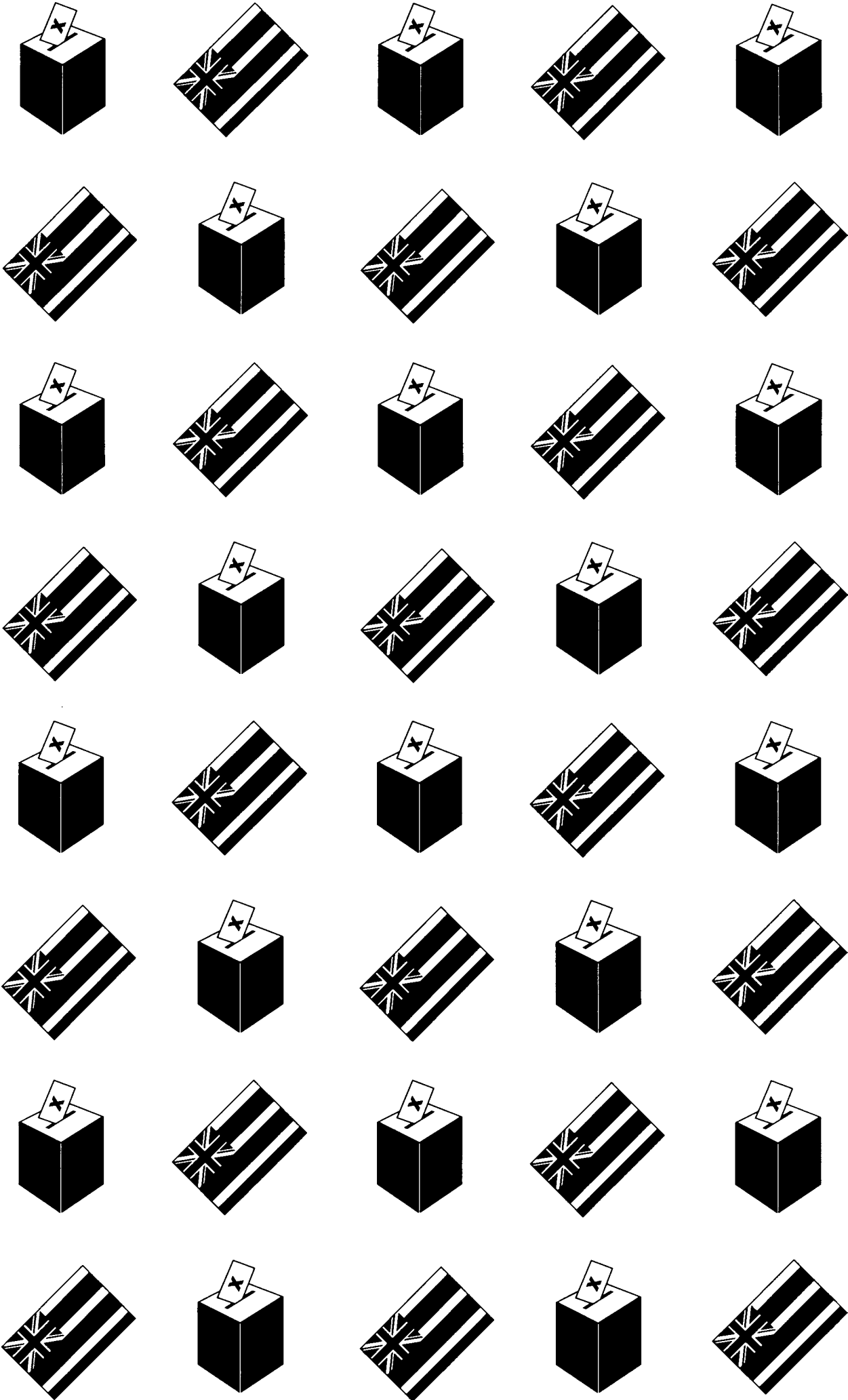
Note: data have remain constant since 1996.

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.



Government

Section 4

GOVERNMENT

This section presents data on election districts, registered voters and votes cast, county operating revenues, general excise and use tax base, real property valuations and rates, government debt, and the state and local tax burden.

Local government in the State of Hawaii is vested in one combined city and 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.

Official results for the primary, general and special elections are published by the Office of Elections. Reapportionment for Maui County was effected in May 2002.

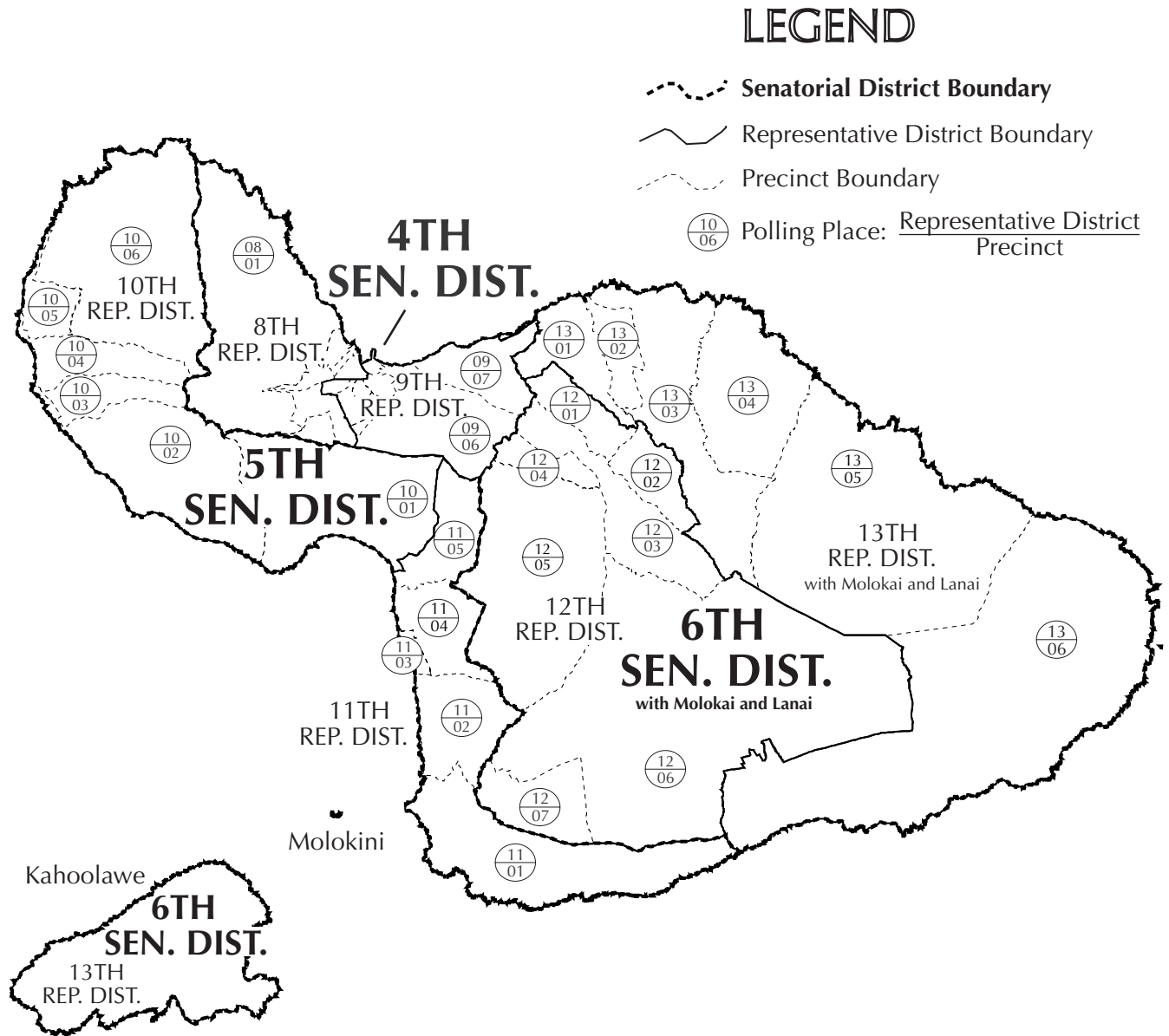
Important sources on statistics on government include: *Government in Hawaii*, Tax Foundation of Hawaii; *Revenue Trends* (monthly tax collection reports), Hawaii State Department of Taxation; *State of Hawaii Data Book*, Hawaii State Department of Business, Economic Development and Tourism; and *Historical Statistics of Hawaii*, Robert C. Schmitt.

For more detail on government finances and spending, see *Comprehensive Annual Financial Report*, County of Maui; and *Consolidated Federal Funds Report*, U.S. Dept. of Commerce, Bureau of the Census, which has detail on Federal Government spending down to the county level. It is available on the Internet at <http://www.census.gov/govs/www/cffr.html>. The State of Hawaii does not report on its spending by county.

4.1.1

MAPS OF ELECTION DISTRICTS

Islands of Maui and Kahoolawe




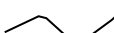
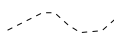

SOURCE: County of Maui, Geographic Information Systems, September 2002.

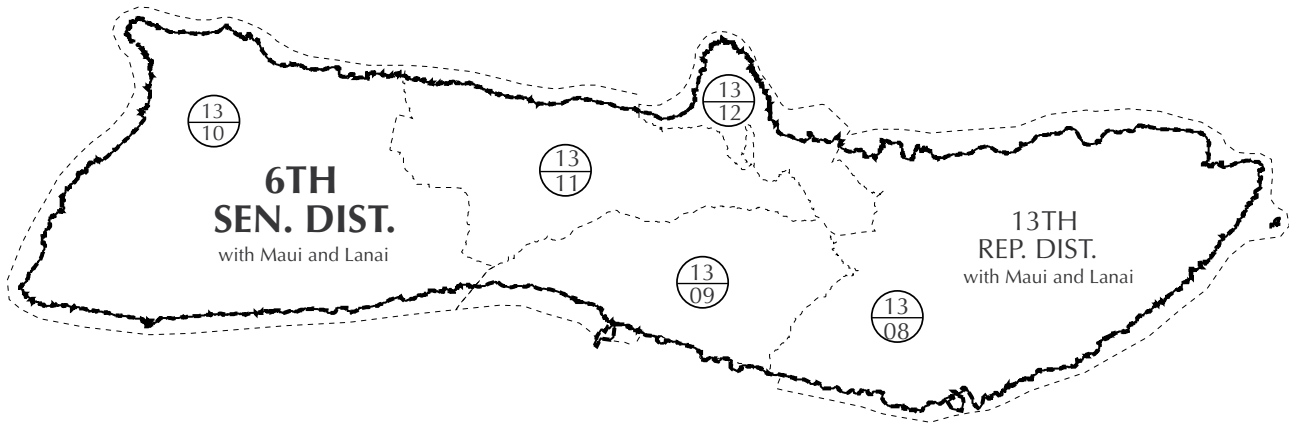
4.1.2

MAPS OF ELECTION DISTRICTS

Island of Molokai

LEGEND

-  **Senatorial District Boundary**
-  **Representative District Boundary**
-  **Precinct Boundary**
-  **Polling Place: Representative District
Precinct**




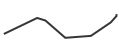


SOURCE: County of Maui, Geographic Information Systems, September 2002.

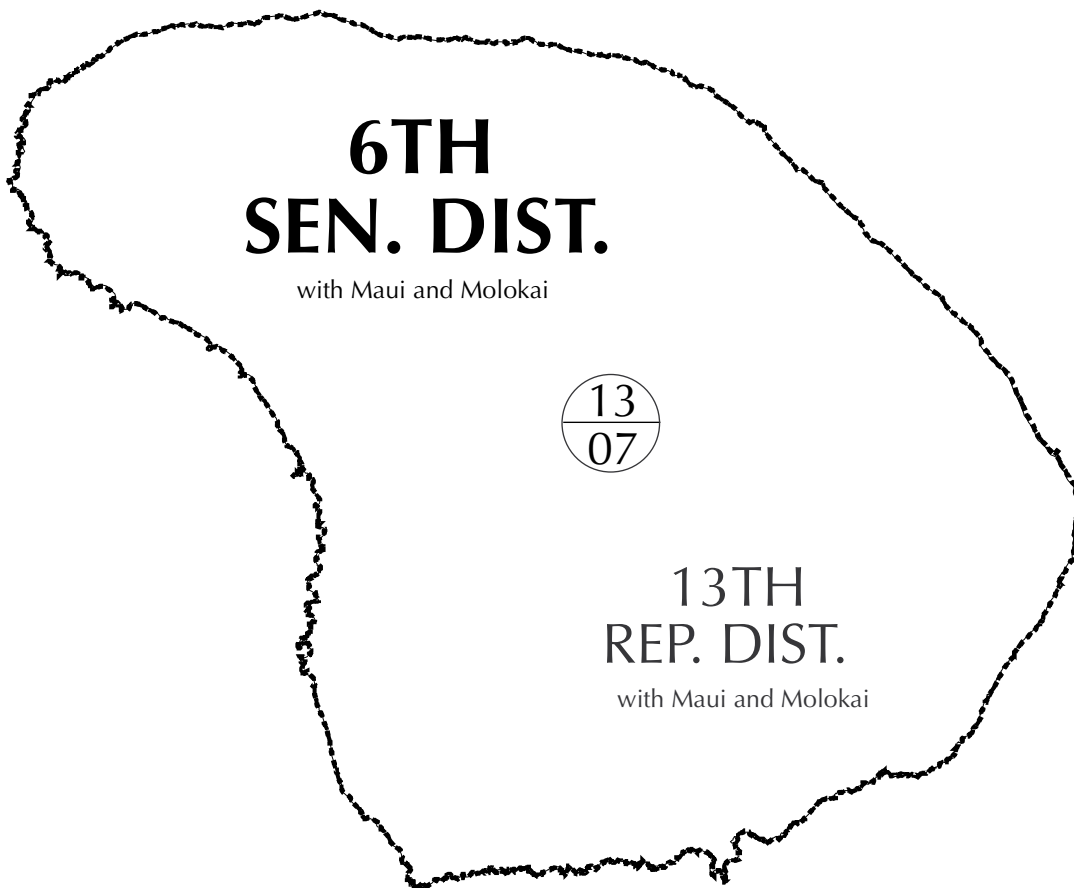
4.1.3

MAPS OF ELECTION DISTRICTS

Island of Lanai

LEGEND

-  **Senatorial District Boundary**
-  **Representative District Boundary**
-  **Precinct Boundary**
-  **Polling Place:** Representative District
Precinct



SOURCE: County of Maui, Geographic Information Systems, September 2002.

4.1.4

MAPS OF ELECTION DISTRICTS

List of Polling Places

8th Representative District

Kahakuloa, Waihee, Waiehu

1. Waihee Elementary School
2. Wailuku Community Center
3. Baldwin High School
4. Paukukalo Hawaiian Homes Community Center
5. Wailuku Elementary School
6. Waikapu Community Center
7. Maui Economic Opportunity Center

9th Representative District

Wailuku, Kahului, Spreckelsville

1. Iao School
2. Maui Waena Intermediate School
3. Lihikai Elementary School
4. Maui High School
5. Kahului Elementary School
6. Kahului Hongwanji Mission
7. Kaunoa Senior Center

10th Representative District

Lahaina, Maalaea, North Kihei

1. Kenolio Recreation Center
2. King Kamehameha III Elementary School
3. Lahaina Intermediate School
4. Princess Nahienaena Elementary School
5. Lahaina Civic Center
6. Honolulu Methodist Church

11th Representative District

Kihei, Wailea

1. Kealahou Congregational Church
2. Kamalii Elementary School
3. Kihei Community Center
4. Kihei Elementary School
5. Trinity Episcopal Church by the Sea

12th Representative District

Haliimaile, Pukalani, Makawao, Kula, Ulupalakua

1. Kalama Intermediate School
2. Eddie Tam Memorial Center
3. Pukalani Elementary School
4. Hannibal Tavares Community Center
5. Kula Community Center
6. Kula Elementary School
7. Ulupalakua Ranch

13th Representative District

Paia, Haiku, Keanae, Hana, Molokai and Lanai

1. Paia Community Center
 2. Haiku Elementary School
 3. Haiku Community Center
 4. Kaulanapueo Church
 5. Keanae Elementary School
 6. Hana High and Elementary School
 7. Lanai High and Elementary School
 8. Kilohana Community Center
 9. Kaunakakai School
 10. Maunaloa Elementary School
 11. Kualapuu Community Center
 12. Kalaupapa Settlement
-

SOURCE: State of Hawaii, Office of Elections, 2002 *Polling Places*.

**4.2.1
REGISTERED VOTERS AND VOTES CAST IN THE NOVEMBER 2, 2004**

District	Precinct Name	Registered Voters		Turnout	District	Precinct Name	Registered Voters		Turnout
		Voters	Cast				Voters	Cast	
8-1	Waihee Elementary School	1,311	587	44.80%	11-1	Kealawai Congregational Church	89	37	41.60%
8-2	Velma McWayne Santos Comm Ctr.	3,345	1,294	38.70%	11-2	Kamalii Elementary School	4,136	1,895	45.80%
8-3	Baldwin High School	1,611	606	37.60%	11-3	Kihei Community Center	3,474	1,475	42.50%
8-4	Paukukalo Hwn Homes Comm Ctr.	1,635	479	29.30%	11-4	Kihei Elementary School	3,124	1,447	46.30%
8-5	Wailuku Elementary School	2,074	804	38.80%	11-5	Trinity Episcopal Church by the Sea	2,930	1,225	41.80%
8-6	Waikapu Community Ctr.	759	356	46.90%		Absentee Voters	1,936		14.08%
8-7	Maui Economic Opportunity Ctr.	1,039	373	35.90%					
	Absentee Voters		2,735	23.23%	12-1	Kalama Intermediate School	2,833	1,255	44.30%
9-1	Iao School	1,133	432	38.10%	12-2	Eddie Tam Memorial Center	2,011	944	46.90%
9-2	Maui Waena Intermediate School	2,654	1,201	45.30%	12-3	Pukalani Elementary School	2,842	1,336	47.00%
9-3	Lihikai elementary School	2,297	957	41.70%	12-4	Hannibal Tavares Community Center	3,090	1,469	47.50%
9-4	Maui High School	2,320	797	34.40%	12-5	Kula Community Center	1,323	653	49.40%
9-5	Kahului Elementary School	2,205	959	43.50%	12-6	Kula Elementary School	2,445	1,273	52.10%
9-6	Kahului Hongwanji Mission	213	93	43.70%	12-7	Ulupalakua Ranch	164	94	57.30%
9-7	Kaunoa Senior Center	979	488	49.80%		Absentee Voters	3,066		20.85%
	Absentee Voters		2,460	20.85%	13-1	Paia Community Center	948	490	51.70%
10-1	Kenolio Recreation Center	1,394	495	35.50%	13-2	Haiku Elementary School	2,244	1,160	51.70%
10-2	King Kamehameha III Elem School	1,947	891	45.80%	13-3	Haiku Community Center	2,693	1,399	51.90%
10-3	Lahaina Intermediate School	2,010	898	44.70%	13-4	Kaulanapueo Church	490	283	57.80%
10-4	Princess Nahienaena Elem School	1,465	604	41.20%	13-5	Keanae Elementary School	220	86	39.10%
10-5	Lahaina Civic Center	3,024	1,312	43.40%	13-6	Hana High and Elementary School	1,129	561	49.70%
10-6	Honolua Methodist Church	2,200	1,159	52.70%	13-7	Lanai High and Elementary School	1,653	809	48.90%
	Absentee Voters		1,322	10.98%	13-8	Kilohana Community Center	587	238	40.50%
					13-9	Kauanakakai School	2,009	696	34.60%
					13-10	Maunaloa Elementary School	307	120	39.10%
					13-11	Kualapuu Community Center	1,069	417	39.00%
					13-12	Kalaupapa Settlement	63		
						Absentee Voters	2,091		15.59%

Source: Hawaii State Office of Elections, Records.

MAUI COUNTY GENERAL ELECTION RESULTS, NOVEMBER 2, 2004

President and Vice President	Votes	Percent	State Representative, Dist 12	Votes	Percent
(D) KERRY, John F.	28,803	60.30%	D) YAMASHITA, Kyle T.	5,157	51.10%
(R) BUSH, George W.	18,187	38.10%	R) BUKOSKI, Kika G.	4,518	44.80%
(G) COBB, David	244	0.50%	Blank Votes:	413	0.00%
(L) BADNARIK, Michael	196	0.40%	Over Votes:	2	4.10%
Blank Votes:	304	0.00%	State Representative, Dist 13	Votes	Percent
Over Votes:	23	0.60%	(D) KAHO'OHALAHALA, Sol P.	5,559	66.60%
U.S. Senator			(R) AKUNA, Meiling	2,143	25.70%
(D) INOUE, Daniel K.	34,145	71.50%	Blank Votes:	645	0.00%
(R) CAVASSO, Cam	9,620	20.10%	Over Votes:	3	7.70%
(N) BREWER, Jim	1,096	2.30%	Councilmember, East Maui		
(L) MALLAN, Jeff	754	1.60%	CARROLL, Robert (Bob)	21,031	44.10%
Blank Votes:	2,123	0.00%	CARROLL, Mele	19,170	40.20%
Over Votes:	19	4.40%	Blank Votes:	7,505	0.00%
U.S. Representative, Dist 2			Over Votes:	11	15.70%
(D) CASE, Ed	29,814	62.40%	Councilmember, West Maui		
(R) GABBARD, Mike	16,099	33.70%	JOHNSON, Jo Anne	24,091	50.50%
Blank Votes:	1,828	0.00%	NAKAMURA, Dennis Y.	17,361	36.40%
Over Votes:	16	3.80%	Blank Votes:	6,260	0.00%
State Senator, Dist 5			Over Votes:	5	13.10%
(D) BAKER, Roz	8,272	56.30%	Councilmember, Wailuku Waihee Waikapu		
(R) COUCH, Don	5,863	39.90%	KANE, Dain P.	28,861	60.50%
Blank Votes:	551	0.10%	BUENGER, Socrates	11,015	23.10%
Over Votes:	10	3.70%	Blank Votes:	7,832	0.00%
State Senator, Dist 6			Over Votes:	9	16.40%
D) ENGLISH, J. Kalani	12,362	67.00%	Councilmember, Kahului		
R) FINBERG, Robb	4,948	26.80%	PONTANILLA, Joe	22,077	46.30%
G) STENSHOL, Shaun	469	2.50%	COLLINS, Lance D.	17,390	36.40%
Blank Votes:	656	0.00%	Blank Votes:	8,239	0.00%
Over Votes:	5	3.60%	Over Votes:	11	17.30%
State Representative, Dist 8			Councilmember, South Maui		
D) SOUKI, Joe	4,005	55.40%	ANDERSON, Michelle	22,121	46.40%
R) MIN, Robert (Bobby)	2,922	40.40%	VAUGHT, Ron	18,309	38.40%
Blank Votes:	306	0.00%	Blank Votes:	7,277	0.00%
Over Votes:	1	4.20%	Over Votes:	10	15.30%
State Representative, Dist 9			Councilmember, Makawao Haiku Paia		
D) NAKASONE, Bob	4,448	60.20%	MOLINA, Mike	25,751	54.00%
R) SHISHIDO, Jan	2,663	36.00%	HOLTER, Lance W.	14,961	31.40%
Blank Votes:	274	0.00%	Blank Votes:	6,992	0.00%
Over Votes:	2	3.70%	Over Votes:	13	14.70%
State Representative, Dist 10			Councilmember, Upcountry		
D) TANAKA, Kam	3,146	47.10%	TAVARES, Charmaine	34,774	72.90%
R) BLUNDELL, Brian K.	3,088	46.20%	Blank Votes:	12,943	0.00%
Blank Votes:	442	0.10%	Over Votes:	0	27.10%
Over Votes:	5	6.60%	Councilmember, Lanai		
State Representative, Dist 11			HOKAMA, Riki	30,026	62.90%
R) HALFORD, Chris	4,664	58.20%	Blank Votes:	17,691	0.00%
D) GALLUP, Cort	2,782	34.70%	Over Votes:	0	37.10%
Blank Votes:	567	0.00%	Councilmember, Molokai		
Over Votes:	2	7.10%	MATEO, Danny A.	30,299	63.50%
			Blank Votes:	17,418	0.00%
			Over Votes:	0	36.50%

SOURCE: Hawaii State Office of Elections, records.

4.2.3

**MAUI COUNTY GENERAL ELECTION RESULTS,
DEPARTMENT OF EDUCATION,
OFFICE OF HAWAIIAN AFFAIRS TRUSTEES
AND STATE CONSTITUTIONAL AMENDMENTS,
NOVEMBER 2, 2004**

Department of Education

1st Departmental School District Seat (Hawaii)

WATANABE, Herbert S.	20,99%	4.00%
DAVIES-QUINTANA, Nadia	14,131	29.60%
Blank Votes:	12,625	0.00%
Over Votes:	9	26.40%

7th Departmental School District Seat (Kauai)

COX, Maggie	18,746	39.30%
NAKASHIMA, Mitsugi	13,768	28.80%
Blank Votes:	15,233	0.00%
Over Votes:	10	31.90%

Office of Hawaiian Affairs

At Large Trustee

APOLIONA, Haunani	19,600	41.00%
HILL, Kauai (Bu La'ia)	5,246	11.00%
KAWELO, Frankie Kay	3,573	7.50%
SABEY, John L. (Kione)	3,343	7.00%
Blank Votes:	15,962	0.10%
Over Votes:	33	33.40%

Hawaii Resident Trustee

DELA CRUZ, Linda K.	8,214	17.20%
HAO, Louis	7,830	16.40%
KAMAKAWIWOOLE ¹	5,627	11.80%
BURKE, Jackie ²	3,513	7.40%
NELSON, Dickie	2,280	4.80%
CHUN, Kaliko	1,813	3.80%
KINIMAKA ³	1,575	3.30%
Blank Votes:	16,879	0.10%
Over Votes:	26	35.30%

State of Hawaii Constitutional Amendments

CON AMEND: Sexual Assault

YES	28,957	60.60%
NO	13,351	28.00%
Blank Votes:	5,421	0.10%
Over Votes:	28	11.40%

CON AMEND: Rights of Accused Law

YES	22,852	47.90%
NO	18,637	39.00%
Blank Votes:	6,244	0.10%
Over Votes:	24	13.10%

CON AMEND: Public Right to Information

YES	32,307	67.60%
NO	10,352	21.70%
Blank Votes:	5,078	0.00%
Over Votes:	20	10.60%

CON AMEND: Felony Prosecutions

YES	23,102	48.40%
NO	17,533	36.70%
Blank Votes:	7,108	0.00%
Over Votes:	14	14.90%

Note: Descriptions of Constitutional Amendments not given in official wording.

Names abbreviated to accomodate formatting. The following is how names appeared on ballot.

¹ KAMAKAWIWOOLE, Reynolds, N.

² BURKE, Jackie (Kahookele)

³ KINIMAKA-STOCKSDALE, Kahea

SOURCE: Hawaii State Office of Elections, records.

4.2.4

**MAUI COUNTY GENERAL ELECTION RESULTS,
MAUI COUNTY CHARTER AMENDMENTS,
NOVEMBER 5, 2002**

Maui County Charter Amendments

Maui: Article 1

YES	29,852	72.20%
NO	6,414	15.50%
BLANK VOTES	5,064	12.20%
OVER VOTES	18	0.00%

Four Year Council Terms

YES	14,011	33.90%
NO	24,059	58.20%
BLANK VOTES	3,257	7.90%
OVER VOTES	21	0.10%

Responsibilities of Corp. Council

YES	27,703	67.00%
NO	8,353	20.20%
BLANK VOTES	5,276	12.80%
OVER VOTES	16	0.00%

Rename Dept. of Public Work/Waste

YES	27,506	66.50%
NO	9,690	23.40%
BLANK VOTES	4,138	10.00%
OVER VOTES	14	0.00%

Rename Dept. of Fire Control

YES	22,237	53.80%
NO	14,066	34.00%
BLANK VOTES	5,032	12.20%
OVER VOTES	13	0.00%

Responsibilities of Dept. of Planning

YES	23,003	55.60%
NO	11,977	29.00%
BLANK VOTES	6,359	15.40%
OVER VOTES	9	0.00%

Role of Citizen Advisory Comm.

YES	22,410	54.20%
NO	12,887	31.20%
BLANK VOTES	6,010	14.50%
OVER VOTES	41	0.10%

Role of Citizen Advisory Comm. Alt.

YES	21,376	51.70%
NO	13,393	32.40%
BLANK VOTES	6,553	15.80%
OVER VOTES	26	0.10%

Powers of Civil Serv. Commission

YES	27,629	66.80%
NO	8,268	20.00%
BLANK VOTES	5,436	13.10%
OVER VOTES	15	0.00%

Initiative

YES	22,681	54.90%
NO	11,847	28.70%

More Autonomy Dept. of Water

YES	17,543	42.40%
NO	17,785	43.00%
BLANK VOTES	5,975	14.50%
OVER VOTES	45	0.10%

Dept. Water Under Mayor Adm.

YES	21,568	52.20%
NO	13,318	32.20%
BLANK VOTES	6,440	15.60%
OVER VOTES	22	0.10%

Create County Dept. of Transportation

YES	21,077	51.00%
NO	14,526	35.10%
BLANK VOTES	5,731	13.90%
OVER VOTES	14	0.00%

Staggered Terms Salary Comm.

YES	23,922	57.90%
NO	9,768	23.60%
BLANK VOTES	7,649	18.50%
OVER VOTES	9	0.00%

1% Reaql Prop. Tax for Open Space

YES	25,818	62.40%
NO	9,596	23.20%
BLANK VOTES	5,923	14.30%
OVER VOTES	11	0.00%

Mtgs Boards/Commissions

YES	21,122	51.10%
NO	14,462	35.00%
BLANK VOTES	5,749	13.90%
OVER VOTES	15	0.00%

Housekeeping Changes

YES	25,364	61.30%
NO	8,979	21.70%
BLANK VOTES	6,993	16.90%
OVER VOTES	12	0.00%

Public Record Request

YES	23,368	56.50%
NO	10,337	25.00%
BLANK VOTES	7,632	18.50%
OVER VOTES	11	0.00%

Nomination Boards/Commission

YES	27,710	67.00%
NO	7,687	18.60%
BLANK VOTES	5,939	14.40%
OVER VOTES	12	0.00%

BLANK VOTES	6,807	16.50%
OVER VOTES	13	0.00%

Note: Descriptions of Charter Amendments are not given in official wording.

Source: Hawaii State Office of Elections, records.

4.3.1

COUNTY STATEMENT OF REVENUES AND EXPENDITURES, ALL GOVERNMENTAL FUND TYPES AND EXPENDABLE TRUST FUNDS¹, MAUI COUNTY

In thousands of dollars; for year ended June 30

	2000	2001	2002	2003	2004
Revenues:					
Real Property Taxes	84,651	88,078	95,585 ^r	105,106	116,759
Other Taxes	11,736	12,132	18,502 ^r	18,386	23,521
Intergovernmental Revenues	35,796	43,440	42,941	44,968	47,776
Charges for Services	29,210	30,733	28,733	28,335	34,810
Licenses and Permits	8,704	9,601	8,603	10,891	15,000
Revenues from Use of Money and Property	2,938	3,324	2,849	2,064	1,540
Fines and Forfeitures	800	822	970	1,188	1,096
Assessments ²		2,272	2,038	1,795	
Other Sources	6,240	6,495	2,109	2,624	2,747
Subtotal	180,075	194,625	202,564	215,600	244,625
Other Sources:³					
Bond/Loan Proceeds	15,479	12,707	26,439	19,673	2,270
TOTAL Revenues + Other Sources	195,554	207,332	229,003	235,273	246,895
Expenditures:					
Management and Other	37,510	39,045	47,694	50,737	52,937
Public Safety	39,335	40,241	42,085	46,153	48,873
Sanitation	19,070	19,589	20,981	22,706	22,834
Highway and Streets	9,136	9,270	10,821	10,958	14,896
Social Welfare	19,948	21,323	27,383	31,811	30,643
Culture and Recreation	15,065	14,725	17,220	18,629	18,725
Legislative	2,964	3,323	3,328	3,953	3,681
Capital Outlay	24,624	24,503	30,655	38,745	35,058
Debt Service: Principal	11,507	12,034	12,969	13,594	15,014
Interest	10,303	10,594	9,817	10,997	10,047
TOTAL Expenditures	189,462	194,647	222,954	248,282	252,708

1 Expendable Trust Funds not included after 2001.

2 Revenue category as of 2002

3 G. O. Bonds and State Revolving fund Proceeds.

r Revised from previous *Data Book*.

SOURCE: County of Maui, Department of Finance, *Comprehensive Annual Financial Report*, (Fiscal years ending June 30) 2000-2004.

4.3.2

STATE TAX COLLECTIONS, MAUI COUNTY FISCAL YEARS ENDING JUNE 30

Source of Revenue	1999	2000	2001	2002	2003
Banks/Financial Corporations	17,924	15,059	15,579	30,144	62,487
Employment Security Contributions	508	24	1,652	1,333	2,711
Fuel	5,005,842	5,424,191	5,976,114	6,684,901	6,644,247
General Excise License/Fees	78,759	88,206	92,072	81,254	95,980
General Excise and Use Tax ¹	117,923,716	129,339,853	136,218,134	133,864,675	143,345,491
Income, Corporate					
Declaration of Estimated Taxes	3,031,846	6,524,065	6,473,192	5,719,001	3,935,144
Payment with Returns	306,127	422,033	391,932	337,254	(1,558,163)
Refunds	(1,503,459)	(1,364,843)	(1,665,303)	(2,671,821)	(1,817,825)
Income, Individual					
Declaration of Estimated Taxes	20,883,037	26,959,486	25,625,262	25,098,625	28,425,643
Payment with Returns	8,774,885	8,466,766	9,864,533	8,318,967	(1,739,533)
Withholding Tax on Wages	50,778,036	51,809,665	53,518,907	52,231,756	53,995,192
Refunds	(23,703,573)	(25,370,663)	(28,143,999)	(32,311,148)	(29,731,274)
Liquor and Permits	6,067,932	6,211,674	5,929,013	6,057,897	6,029,511
Motor Vehicle Tax/Fees ²	5,878,030	6,133,256	6,417,979	5,889,412	7,543,734
Public Service Company	10,494,247	11,090,896	10,891,789	9,077,684	8,907,179
Tobacco and Licenses	68,946	43,842	1,264,034	2,123,163	2,074,130
Transient Accomodation Fees					
Time Share Occupancy Fees ³	3,070	3,835	3,418	3,380	3,000
Transient Accomodation Tax					
Time Share Occupancy Tax ³	20,740,162	27,471,444	27,193,207	22,608,181	27,536,083
All Others ³	190	0	155	140	55
TOTAL	224,846,224	253,268,788	260,067,670	243,144,800	253,753,793

NOTE: Due to rounding, details may not add to total.

¹ Gross collection—does not reflect allocation to Special Funds.

² Includes State Motor Vehicle Weight Tax, Registration Fees, Commercial Driver's License, Periodic Motor Vehicle Inspection Fees, Rental Vehicle Registration Fees and Rental Vehicle Surcharge Tax.

³ Time Share Occupancy Fees and Taxes were first collected in 1999.

SOURCE: Hawaii State Department of Taxation, *State Tax Collections and Distribution (fiscal year summary tables)*, 1999-2003.

4.3.3

ESTIMATED REAL PROPERTY TAX REVENUE, MAUI COUNTY

In thousands of dollars

Assessor's Gross Valuation as of 4/19/2004	25,383,243,500
Land	12,850,054,200
Improvement	12,533,189,300
Exemptions ¹	3,027,619,200
Assessor's Net Taxable Valuation	22,355,624,300
Half of Valuation on Appeal	128,911,519
Number of Appeals	298
Valuation for Tax Rate Purposes	22,226,712,782
Land	11,932,264,154
Improvement	10,294,448,628
Amount to be Raised by Taxation ²	131,919,169

¹ Data exclude nontaxable properties.

² For fiscal year beginning July 1.

4.3.4

REAL PROPERTY TAX RATES, MAUI COUNTY

Dollars per \$1,000 net taxable value

Land Use Class	Rate Fiscal Year 2004-2005
LAND	
Homeowner	3.55
Improved Residential	5.86
Unimproved Residential	5.86
Apartment	5.86
Hotel/resort	8.30
Commercial	6.75
Industrial	6.75
Agricultural	4.93
Conservation	4.93
IMPROVEMENT	
Homeowner	3.55
Improved Residential	5.86
Unimproved Residential	5.86
Apartment	5.86
Hotel and Resort	8.30
Commercial	6.75
Industrial	6.75
Agricultural	4.93
Conservation	4.93

SOURCE: County of Maui, Department of Finance, Real Property Tax Division, *Estimated Real Property Tax Revenue, Maui County, Assessment Year 2004, Fiscal year 2004-2005.*

4.3.5

PUBLIC BONDED DEBT OF STATE AND MAUI COUNTY GOVERNMENTS

In millions of dollars; as of December 31, unless noted

Year	Total Bonded Debt ¹ (State and all counties)	State Debt	Maui County
1980	2,054.3	1,764.9	22.4
1981	2,217.9	1,883.6	21.1
1982	2,359.5	2,039.3	19.8
1983	2,545.4	2,235.8	19.0
1984	2,715.7	2,391.5	33.5
1985	3,131.5	2,621.2	30.8
1986	3,311.8	2,720.4	47.2
1987	3,298.4	2,700.7	48.8
1988	3,382.3	2,728.8	43.1
1989	3,710.4	2,969.9	73.6
1990	4,484.5	3,394.4	110.5
1991	5,298.1	4,214.0	108.5
1992	6,129.5	4,842.4	134.8
1993	6,924.7	5,219.6	170.4
1994	6,913.5	5,015.4	185.1
1995	7,078.0	5,126.1	188.4
1996	7,098.6	5,051.3	194.3
1997	7,239.3	5,258.1	188.2
1998 ²	7,829.9	5,795.5	223.8
1999 ²	7,708.8	5,522.8	235.1
2000 ²	7,956.3	5,678.3	236.8
2001 ^{2,3}	7,855.2	5,471.6	234.9
2002 ²	8,856.6	6,072.0	246.3
2003 ²	8,861.0	5,793.8	243.0

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

SOURCES: 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 Director's Annual Reports of the City & County of Honolulu, and the counties of Hawaii, Kauai and Maui (various reports); Tax Foundation of Hawaii, *Government in Hawaii*, table 52; Robert C. Schmitt, *Historical Statistics of Hawaii* (University of Hawaii Press, 1977) table 25.14.

4.4.1

COUNTY DEPARTMENT BY PERSONNEL, MAUI COUNTY

Fiscal Year Department	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Civil Defense	3.0	3.0	3.0	4.0	4.0	7.0	7.0
Corporation Counsel	23.3	22.0	22.0	22.0	22.0	22.0	22.3
Finance	106.8	94.8	110.8	108.8	110.8	111.8	122.8
Fire & Public Safety	236.0	236.0	242.0	243.0	284.0	284.0	284.0
Housing and Human Concerns	54.0	53.0	94.8	96.6	115.6	115.6	126.1
Liquor Control	16.0	19.0	20.0	23.5	21.0	23.0	23.0
Management	5.0	12.0	19.0	20.0	24.0	23.0	31.0
Parks and Recreation - General	328.9	348.2	353.3	379.9	384.8	383.8	411.6
Parks and Recreation - Golf	20.8	20.8	20.8	20.8	20.8	20.8	***
Personnel Services	12.0	12.0	12.0	12.0	12.0	12.0	14.0
Planning	28.0	27.0	32.0	35.0	38.0	46.0	54.0
Police	434.6	438.4	452.1	466.7	480.9	481.9	485.9
Prosecuting Attorney	55.8	55.3	68.3	69.8	69.4	69.4	69.4
Public Works - General	80.8	80.3	88.3	88.6	93.6	88.6	92.6
Highways	151.0	150.0	150.0	151.0	155.0	157.0	155.0
Wastewater	107.0	104.0	104.0	104.0	105.0	106.3	107.3
Solid Waste	68.2	68.2	68.2	71.0	72.0	69.0	70.0
Department of Transportation*					0.0	3.0	3.0
Department of Water Supply**					198.4	192.6	202.2
Total	1,731.2	1,744.0	1,860.6	1,916.7	2,211.6	2,216.8	2,281.2

Note: Does not include Council Services, County Clerk and Office of the Mayor. These departments do not report equivalent personnel.

* The Department of Transportation was created as a result of the 2002 Charter amendment.

** Prior to the 2002 Charter amendment, the Department of Water Supply was a semi-autonomous component unit.

*** Included with Parks and Recreation General for 2005.

Equivalent Personnel (E/P) = Full time equivalents of full- and part-time personnel.

Source: Office of the Mayor, Budget Office, *County Budgets 2001-2005*.

4.4.2

TOP 20 COUNTY POSITIONS RECRUITED IN FY 2002-03, MAUI COUNTY

Rank	Position	Number of Applicants	Number Qualified
1	Police Officer I	413	143
2	Clerk Typist II & III	159	27
3	Cashier II	142	33
4	Clerk III	80	22
5	Pool Guard	76	24
6	Assistant Wastewater Treatment Plant Operator	75	8
7	Clerk III	73	20
8	Liquor Control Officer Trainee	70	13
9	Executive Assistant II	70	20
10	Fire Fighter III	67	29
11	Personnel Management Specialist Trainee	67	5
12	Traffic Signs and Markings Helper	59	2
13	Police Radio Dispatcher I	59	8
14	Land Use & Codes Building Permit Clerk	59	11
15	Clerk Typist III	58	10
16	Police Sergeant/Detective I	57	28
17	Traffic Signs and Markings Helper	55	4
18	Cashier I (Molokai Only)	53	13
19	Clerk Typist II	52	6
20	Recreation Aide	50	23

Source: County of Maui, Department of Personnel Services, *Annual Report 2002-2003*.

4.5.1

**MEDIAN ADJUSTED GROSS INCOME ON
RESIDENT RETURNS BY STATUS,
TAXATION DISTRICT AND YEAR**

Taxation District	<u>All Residents</u>			<u>Joint</u>			<u>All Others**</u>		
	2002	2001	2000	2002	2001	2000	2002	2001	2000
All Resident Returns*									
Oahu	\$23,145	\$23,100	\$22,633	\$47,845	\$47,234	\$48,216	\$15,761	\$15,762	\$14,992
Maui	24,045	23,945	23,515	48,473	46,787	47,651	17,400	17,704	16,780
Hawaii	19,573	19,395	18,268	38,924	39,040	39,034	13,726	13,585	11,817
Kauai	22,136	21,381	20,778	43,886	44,017	43,982	15,901	14,693	14,024
STATE	\$22,757	\$22,626	\$22,157	\$46,853	\$46,012	\$46,636	\$15,707	\$15,649	\$14,764
Taxable Resident Returns									
Oahu	\$29,775	\$28,946	\$28,968	\$57,260	\$56,016	\$56,354	\$20,696	\$20,137	\$19,732
Maui	28,285	27,889	27,607	55,113	52,418	52,629	20,326	20,476	20,341
Hawaii	25,890	24,630	24,250	48,102	47,471	47,563	18,533	17,971	16,970
Kauai	26,743	25,842	26,460	50,813	49,828	48,781	19,316	18,752	17,628
STATE	\$28,881	\$28,159	\$27,948	\$55,554	\$53,899	\$54,353	\$20,219	\$19,809	\$19,352

*Includes returns with AGI losses.

**Includes single, married filing separately, heads of households, and qualifying surviving spouses.

Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Hawaii Income Tax Patterns 2002 Figure 6.*

4.5.2

**SOURCES OF INCOME REPORTED BY NUMBER
OF RETURNS AND AMOUNT,
MAUI COUNTY 2002**

SOURCES OF INCOME	NUMBER OF RETURNS	AMOUNT
Salaries and Wages	47,799	\$1,637,147,021
Taxable Dividends	11,983	26,507,423
Interest	32,269	38,218,720
Business and Professions		
Net Profit	6,298	105,472,029
Net Loss	3,651	(20,677,584)
Sale of Capital Assets		
Net Gain	3,720	77,186,051
Net Loss	4,827	(14,051,379)
Rents and Royalties		
Net Profit	3,210	30,419,879
Net Loss	2,923	(25,345,514)
Partnerships and S-Corporations		
Net Profit	1,762	88,494,512
Net Loss	1,269	(19,282,355)
Estates and Trusts	387	2,878,571
Unemployment Compensation	4,412	14,248,374
Pensions and Annuities	8,757	123,030,179
Taxable IRA Distributions	2,816	26,652,669
State Tax Refund Income	16,017	20,324,846
Federally-Taxed Social Security	3,848	33,281,354
All Other Sources ¹	11,480	(6,722,574)
Federal Total Income	56,663	\$2,137,782,222
Hawaii Additions ²	10,404	29,726,194
Hawaii Subtractions ³	17,269	164,010,279
Hawaii Total Income	56,663	\$2,003,498,137
Less Adjustments to Income	10,329	28,256,569
Adjusted Gross Income ⁴	56,663	\$1,975,241,568

1 Includes alimony received, other income, and unknown sources (detail unavailable on both state and federal returns).

2 Items taxed by Hawaii but not by the federal government, such as federal cost of living allowances and certain state retirement contributions.

3 Items taxed by the federal government but not by Hawaii, such as social security contributions and certain pensions.

4 Includes losses.

Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Hawaii Income Tax Patterns 2002 Table 5.*

4.5.3

DEDUCTIONS CLAIMED BY NUMBER OF RETURNS AND DOLLAR AMOUNT REPORTED AND ALLOWED IN 2002, MAUI COUNTY

TYPE OF DEDUCTION	NUMBER OF RETURNS	AMOUNT
Itemized Contributions	28,387	\$53,351,347
Interest	16,574	188,274,310
Medical and Dental	7,938	25,741,595
Casualty Loss	112	548,350
Taxes	32,837	118,997,345
Other Itemized Deductions	17,173	65,865,370
Total Itemized Deductions	33,274	\$452,778,317
Less: Unallowed Itemized Deductions	2,559	\$6,962,644
Net Allowed Itemized Deductions	33,274	\$445,815,673
Standard Deduction	23,389	36,198,181
Total Allowed Deductions	56,663	\$482,013,854

Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Hawaii Income Tax Patterns 2002 Table 7*.

4.5.4

TAX RETURNS FILED IN MAUI COUNTY

TYPE OF RETURN	1994	1995	1996	1997	1998	1999	2000	2001	2002
Form N-11	-	36,334	39,840	42,688	44,788	46,630	48,799	50,829	51,591
Form N-12	42,863	5,104	4,178	2,278	1,987	1,769	1,458	1,267	994
Form N-13	10,408	8,717	8,092	7,070	6,418	5,546	4,916	4,437	4,078
Form N-15	1,478	1,258	1,221	2,561	2,642	2,905	3,410	3,450	3,374
TOTAL	54,749	51,413	53,331	54,597	55,835	56,850	58,583	59,983	60,037

Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Hawaii Income Tax Patterns 2002 Table 15*.

4.5.5

TAX CREDITS CLAIMED BY GEOGRAPHICAL AREAS, MAUI COUNTY 2002

Tax Credit	Wailuku Kahului	Kihei	Lahaina	Rural Maui	Molokai	Lanai	State of Hawaii
Number of Returns	22,100	8,797	8,789	16,174	2,982	1,280	578,291
Low Income Credit	7,567	2,537	2,741	5,417	1,479	107	188,372
Renter's Credit	2,257	1,593	1,338	1,705	105	53	69,452
Dependent Care Credit	1,083	417	318	775	33	53	25,871
Child Car Seat Credit	291	60	46	155	11	5	4,211
General Income Tax Credit	18,819	6,417	7,477	13,457	2,493	1,038	444,768
Capital Goods Excise Credit	155	108	69	235	14	1	3,896
Energy Device Credit	206	134	76	169	19	11	3,236
Residential Remodeling Credit	863	578	385	970	31	49	17,411
Payments to Other States	112	185	115	243	21	3	5,393
All Other Credits	17	11	11	29	5	3	1,019

Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Tax Credits Claimed by Hawaii Taxpayers 2002*.

4.5.6

**TAX CREDITS CLAIMED BY INDIVIDUALS AND
TYPE OF CREDIT, MAUI COUNTY 2002**

Type of Credit	Number	Amount
Low Income Credit	19,523	850,600
Renter's Credit	6,949	671,950
Dependent Care Credit	2,614	808,216
Child Car Seat Credit	578	14,450
General Income Tax Credit	48,536	98,202
Capital Goods Excise Credit	784	844,280
Fuel Credit for Fishing	20	3,819
Motion Picture Credit		782
Hotel Remodeling Credit	13	17,394
Energy Device Credit	595	505,448
Vocational Rehabilitation Job Credit	*	-
Enterprise Zone Credit	*	4,739
High Technology Credit	*	1,541,859
Taxes Paid to Other Jurisdictions	552	1,892,703
Technology Infrastructure Credit	*	-
Low-Income Housing Credit	*	188
Residential Remodeling Credit	2,789	2,475,535
Minor School Repair & Maintenance	*	-
Drought Mitigation Credit	*	-
Research Activities Credit	8	27,427
Other Refundable Credits	*	18,145
TOTAL FOR INDIVIDUALS	82,961	9,775,737

* Data suppressed to protect taxpayer confidentiality
na: not available

Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Tax Credits Claimed by Hawaii Taxpayers 2002*.

4.5.7

COUNTY PROPERTY TAX EXEMPTIONS BY TYPE, MAUI COUNTY FY 2004-05

(AMOUNTS IN THOUSANDS)

Type of Exemption	Number	Amount
Federal Government	77	14,064
State Government	1,276	814,265
County Government	451	276,380
Government Leases - Total	85	41,645
Government Leases - Portion	51	14,621
Hawaiian Homes Commission	254	18,131
Hawn Homes Land - Basic	300	17,553
Hawn Homes Land - Multiple	151	8,147
Hawn Homes Land - Total	282	34
Hawn Homes Land - Vacant	155	22
Hawaiian Homes - 7 Year	116	13,154
Homes - Fee - (Basic)	13,445	1,456,273
Homes - Fee - (Multiple)	7,709	911,597
Homes - Leasehold - (Basic)	253	26,407
Homes - Leasehold - (Multiple)	544	66,792
Blind	29	679
Deaf	14	200
Leprosy	1	0
Totally Disabled	483	10,684
Totally Disabled Veterans	75	23,898
Cemeteries	6	507
Charitable Organizations	165	123,710
Childcare	21	1,004
Churches	238	178,969
Credit Unions	12	9,059
Forest Reserve	4	77
Historic Residential Properties	2	761
Hospitals	13	30,819
Landscaping, Open-Space	1	10
Low-Moderate Income Housing	35	99,446
Public Utilities	71	72,154
Roadways and Waterways	1,145	2,557
Schools	11	29,604
Taro	12	21
Miscellaneous	4	265
TOTAL	27,491	4,263,508

Note: No exemption requested for Additional Home Exemption, Civil – Condemnation, Crop Shelters, Foreign Consulates, New Construction, Safe Room, Setbacks, Slaughterhouse and Tree Farm.

Amount includes government parcels at actual value and exemptions on federal leases, if any.

Source: City and County of Honolulu, Real Property Assessment Division, *Number and Amount of Exemptions by Type and County*.

4.5.8
LIQUID FUEL TAX BASE & TAX COLLECTIONS - FY
ENDING JUNE 30, 2004, MAUI COUNTY

Source of Revenue	Gallons	State Tax	City Fuel Tax	Total Tax
Gasoline	69,959,862.02	\$11,167,196.99	\$11,867,549.94	\$23,034,746.93
DO (non-hwy)	1,531,650.21	15,316.50	0	15,316.50
DO (hwy use)	4,956,135.49	792,981.67	859,024.96	1,652,006.63
LPG (off hwy)	127,944.00	1,279.44	0	1,279.44
LPG (hwy use)	10,465.64	554.67	450.03	1,004.70
SB (gas)	0	0	0	0
SB (diesel oil)	0	0	0	0
Aviation fuel	54,683,850.00	546,838.50	0	546,838.50
Other fuel	143,256.90	11,460.55	1,855.02	13,315.57
SUB-TOTAL	131,413,164.26	12,535,628.32	12,728,879.95	25,264,508.27
Environmental Tax*	3,562,125.40	178,106.27	0	178,106.27
TOTAL		\$12,713,734.59	\$12,728,879.95	\$25,442,614.54

*Effective 7-1-93 (per barrel). "Barrel" is defined as 42 U.S. Gallons of Petroleum Products.

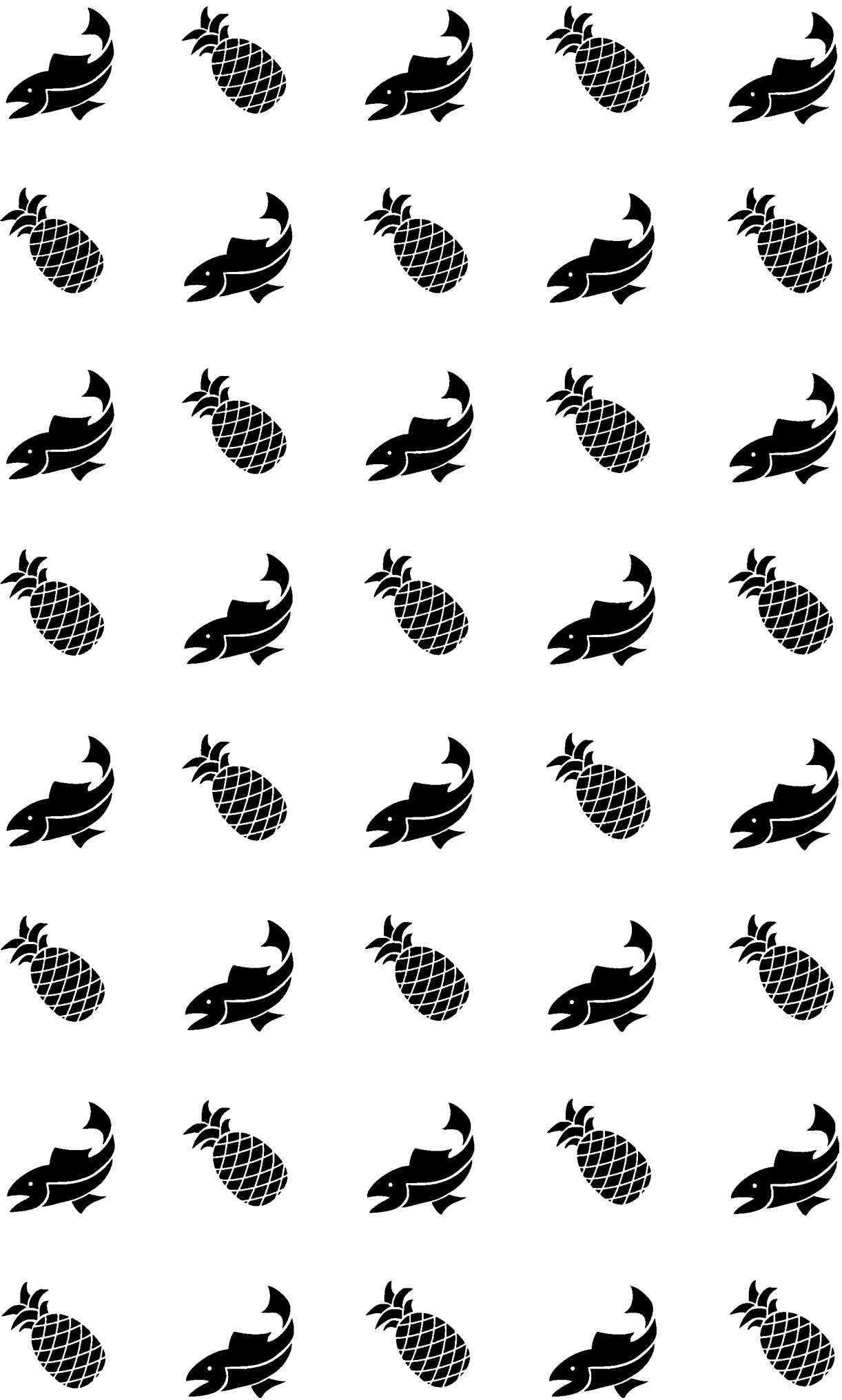
Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Liquid Fuel Tax Base & Tax Collections*.

4.5.9
LIQUID FUEL TAX ALLOCATION BY FUND - FY
ENDING JUNE 30, 2004, MAUI COUNTY

Source of Revenue	Amount	Total Tax
State Highway Special Fund	\$11,868,901.93	
State Airports Special Fund	\$546,838.50	
State Boating Special Fund	\$247,176.69	\$12,662,917.12
County Fuel Tax:		
Lanai	\$0.94	
Molokai	\$5.33	
Maui	\$12,601,584.89	\$12,601,591.16
SUB-TOTAL		\$25,264,508.28
Environmental Tax Fund		\$178,106.27
TOTAL		\$25,442,614.55

Source: State of Hawaii, Department of Taxation, Tax Research and Planning Office, *Liquid Fuel Tax Allocation by Fund*.

Agriculture & Aquaculture



Section 5

AGRICULTURE & AQUACULTURE

This section includes statistics on agriculture and aquaculture. Statistics about farms are presented along with the value and distribution of farm and other land based herbaculture production. Fish catches and other aquaculture statistics are given.

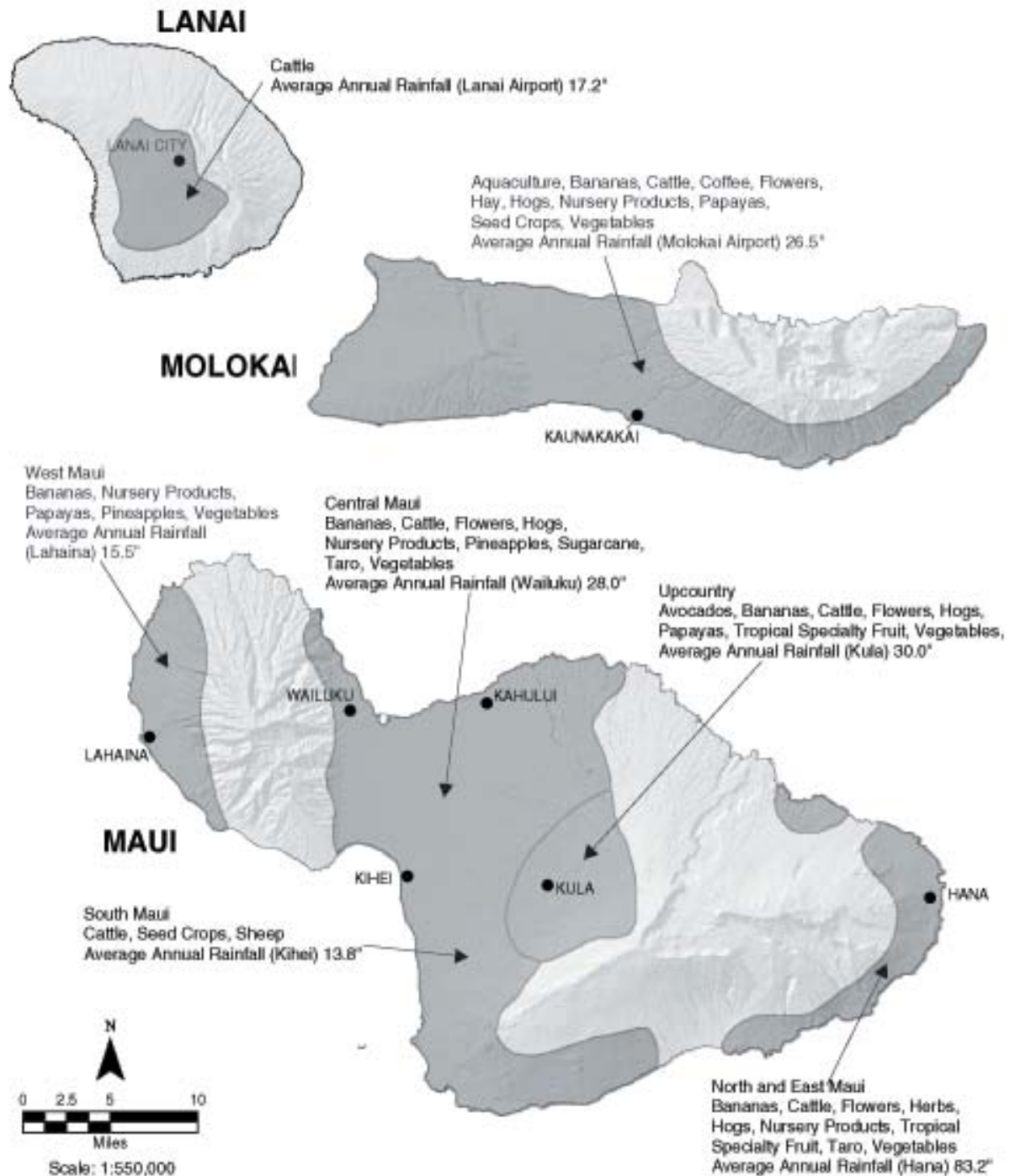
Agriculture remains an important element in Maui County's economy and land use patterns. Sugar and pineapple remain the largest crops, though the trend toward diversification of agriculture continues.

The value of commercially caught fish has been generally declining since 1986 and this trend continued through 1993, although there has been a rise since 1994. Commercial aquaculture continues to grow in importance.

The data in this section comes mainly from the U.S. Census Bureau, the Hawaii Agriculture Statistics Service, specific crop producers, and the Hawaii State Department of Land and Natural Resources.

5.1.1

**AGRICULTURAL AREAS,
MAUI COUNTY**



Source: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture*, 2003.

5.1.2

TENURE AND CHARACTERISTICS OF FARM OPERATORS AND TYPES OF FARM ORGANIZATION, MAUI COUNTY

	1992	1997	2002
Farms	850	806	823
Land In Farms (acres)	355,786	292,090	256,690
Tenure of Operator			
Full Owners			
Farms	503	460	529
Acres	118,137	81,616	82,274
Part Owners			
Farms	159	137	115
Acres	225,867	188,649	135,661
Owned land in farms (acres)	141,136	140,909	102,342
Rented land in farms (acres)	84,731	47,740	33,319
Tenants			
Farms	188	209	179
Acres	11,782	21,825	38,755
Operator Characteristics			
Place of Residence			
On farm operated	577	536	623
Not on farm operated	219	215	200
Not reported	54	55	n/a
Principal Occupation			
Farming	456	372	434
Other	394	434	389
Days of Work Off Farm ¹			
None	298	290	413
Any	482	455	410
1 to 49 days	55	59	47
50 to 99 days	31	33	36
100 to 199 days	133	86	63
200 days or more	263	277	264
Not reported	70	61	n/a
Years on Present Farm			
2 years or less	44	42	46
3 or 4 years	136	47	66
5 to 9 years	171	171	189
10 years or more	360	406	522
Average years on present farm	13.1	14.3	15.3
Not reported	139	140	n/a

5.1.2

CONTINUED

	1992	1997	2002
Operator Characteristics (cont.)			
Age Group			
Under 25 years	2	7	4
25 to 34 years	44	24	26
35 to 44 years	259	182	108
45 to 54 years	221	270	310
55 to 59 years	50	107	117
60 to 64 years	62	59	82
65 to 69 years	74	45	54
70 years and over	138	112	122
Average age	52.6	53.0	55.0
Male			
Farms	737	681	659
Acres	318,121	275,346	241,920
Female			
Farms	113	125	164
Acres	37,665	16,744	14,770
Type of Organization			
Individual or Family (sole proprietorship)			
Farms	710	679	701
Acres	53,463	31,942	D
Partnership			
Farms	52	44	37
Acres	D	34,620	11,357
Corporation (family held)			
Farms	46	56	58
Acres	90,740	101,236	76,424
Corporation (other than family held)			
Farms	26	13	17
Acres	192,428	123,312	99,056
Other (cooperative, estate or trust, institutional, etc.)			
Farms	16	14	10
Acres	D	980	D

D: Withheld to avoid disclosing data for individual farms.

Source: United States Department of Agriculture, National Agricultural Statistics Service, *2002 Census of Agriculture*, various tables.

5.1.3

FARMS AND LAND IN FARMS, MAUI COUNTY

	1992	1997	2002
Farms	850	806	823
Land in Farms	355,786	292,090	256,690
Average size of farm (acres)	419	362	312
Median size of farm (acres)	NA	6	NA
Estimated Market Value of Land and Buildings¹			
Average per farm	1,118,184	818,342	1,251,598
Average per acre	2,671	2,258	4,112
Estimated Market Value of All Machinery and Equipment¹			
Average per farm	117,143	88,989	58,849
Farms by Size			
1 to 9 acres	505	468	505
10 to 49 acres	232	233	212
50 to 179 acres	60	48	56
180 to 499 acres	24	29	20
500 to 999 acres	3	5	7
1,000 acres or more	26	23	23
Total Cropland			
Farms	733	684	649
Acres	D	D	28,404
Harvested Cropland			
Farms	666	605	649
Acres	39,031	32,243	28,404
Irrigated Land			
Farms	541	480	462
Acres	61,549	35,031	26,855
Market Value of Agricultural Products Sold (\$1,000)	164,767	128,385	124,511
Crops, including nursery and greenhouse crops	153,285	116,084	116,645
Livestock, poultry, and their products	11,483	12,301	7,866
Average Market Value of Agricultural Products Sold per Farm (\$)	193,844	159,287	151,289

¹ Data are based on a sample of farms.

D: Withheld to avoid disclosing data for individual farms.

NA: Not available.

Source: United States Department of Agriculture, National Agricultural Statistics Service, *2002 Census of Agriculture*, various tables.

5.1.4

NUMBER OF FARMS, FARM ACREAGE, AND FARM EMPLOYMENT, MAUI COUNTY

	1997	1998	1999	2000	2001	2002
Number of Farms ¹	800	800	800	800	800	800
Farm Acreage (1,000) ²	290	290	290	290	290	290
Farm Employment ³						
Self-employed farm operators	300	350	450	500	500	500
Unpaid workers ⁴	100	150	200	150	150	150
Hired workers	1,850	1,950	2,200	2,000	1,800	2,250

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 Average of quarterly data.

⁴ Includes family members and others working 15 or more hours per week.

SOURCE: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture 2002* (annual).

5.1.5

LIVESTOCK: NUMBER OF OPERATIONS AND VALUE OF SALES, MAUI COUNTY

	1998	1999	2000	2001	2002
Number of Livestock Operations, December 31					
Cattle ¹	180	170	170	170	170
Hogs	50	60	60	60	60
Milk	5	4	4	4	D
Eggs	8	8	8	8	D
Honey	D	D	D	D	D
Value of Livestock Sales (\$1,000)					
Cattle ²	3,641	2,865	3,230	2,438	2,577
Hogs ³	825	894	935	839	838
Milk	D	D	D	D	D
Eggs	D	D	D	D	D
Total livestock sales⁴	10,557	5,890	6,395	5,419	5,160

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.

³ Excludes interfarm sales; includes out-of-state sales of slaughter animals.

⁴ Sum of individual commodities may not add to total. Includes sheep, wool, turkeys, horses, honey, beeswax, broilers and chickens.

SOURCE: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture 2002* (annual).

5.1.6

CROPS: ACREAGE, NUMBER OF FARMS, AND VALUE OF SALES, MAUI COUNTY

	1998	1999	2000	2001	2002
Acres in Crop (1,000 acres)					
Sugarcane	42.9	43.3	36.9	35.4	36.7
Pineapples (land used for pineapple)	9.6	9.1	11.6	9.1	9.1
Vegetables and melons (harvested acreage) ¹	1.6	1.4	1.3	1.2	1.1
Fruits (excluding pineapples)	0.3	0.3	0.3	0.3	0.4
Coffee	D	D	D	D	D
Macadamia nuts	D	D	D	D	D
All other crops ²	1.9	1.9	1.9	2.1	1.5
Number of Crop Farms					
Sugar	2	2	1	1	1
Pineapples ³	5	5	5	2	2
Vegetables and melons	114	145	120	100	100
Fruits (excluding pineapples)	262	251	231	193	204
Coffee	D	D	D	D	D
Macadamia nuts	D	D	D	D	D
Taro	14	13	15	25	25
Flowers and nursery products	145	150	140	150	150
Value of Crop Sales (\$1,000)					
Sugar (unprocessed cane)	58,700	60,200	43,900	44,900	51,300
Pineapples (fresh equivalent)	28,413	28,325	29,445	27,115	29,624
Vegetables, ginger root, herbs, and melons	11,755	9,519	9,569	10,125	9,644
Fruits (excluding pineapples)	1,051	1,056	1,102	921	1,214
Coffee (parchment)	D	D	D	D	D
Macadamia nuts (in-shell)	D	D	D	D	D
Taro	D	D	D	D	D
Seed crops	D	D	D	D	D
Flowers and nursery products ⁴	8,951	9,851	9,947	9,866	10,751
Total crops ⁵	124,816	125,375	110,603	108,860	128,661

D: Withheld to avoid disclosure of individual operations.

¹ Includes ginger root.

² Includes taro, seed corn, feed and forage crops (excluding pineapple feed products), and flowers, foliage and nursery products.

³ Includes specialty pineapple.

⁴ Flowers, foliage, and nursery products.

⁵ Total crop values shown are actual. Sum of individual commodities may not add to total. Forage crops' and Forest products' value combined and included in total crop value.

SOURCE: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture 2002* (annual).

5.1.7

SUGARCANE, MAUI ISLAND

	1998	1999	2000	2001	2002
Number of farms¹	2	2	1	1	1
Acreage (1,000 acres)					
In crop ¹	42.9	43.3	36.9	35.4	36.7
Harvested for sugar	19.0	21.5	18.6	15.1	16.5
Yield per acre (tons)²					
Sugarcane	93.8	91.9	86.7	98.7	102.7
Raw Sugar 96°	12.48	11.86	11.29	12.7	13.0
Production of cane for sugar (1,000 tons)	1,783	1,975	1,613	1,491	1,694
Farm price (dollars per ton)	32.90	30.50	27.20	30.10	30.30
Value of cane for sugar (\$1,000,000)³	58.7	60.2	43.9	44.9	51.3
Mill Production (1,000 tons)					
Raw Sugar 96°	237	255	210	191	216
Molasses ⁴	85	99	71	72	74
Average returns received (dollars per ton)⁵					
Raw Sugar 96°	369	352	311	352	354
Molasses ⁴	23.10	13.20	26.20	49.00	50.10
Value of production (\$1,000,000)					
Raw Sugar 96°	87.5	89.8	65.3	67.2	76.5
Molasses ⁴	2.0	1.3	1.9	3.5	3.7
Total	89.5	91.1	67.2	70.7	80.2

¹ At end of year.

² Yield and farm price may not compute exactly due to rounding.

³ Value of cane for sugar estimated by deducting processing and marketing costs from value of sugar and molasses. Processing costs based on toll charges by independent producers.

⁴ Commercial.

⁵ Derived from production and value. Prices may not compute exactly due to rounding.

SOURCE: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture 2002* (annual).

5.1.8

**VEGETABLES, MELONS AND TARO,
ACREAGE, PRODUCTION AND VALUE,
MAUI COUNTY**

Commodity	1997	1998	1999	2000	2001	2002
HARVESTED ACREAGE¹						
Beans, snap	45	95	90	70	55	55
Cabbage, head	300	280	210	190	170	170
Celery	20	20	25	25	25	25
Corn, sweet	25	40	55	D	D	D
Cucumbers	155	170	145	160	155	180
Lettuce	15	15	D	D	D	D
Onions, dry	180	235	190	190	150	130
Onions, green	10	15	D	D	D	D
Peppers, green	5	D	D	D	D	D
Romaine	90	110	95	55	55	30
Squash, Italian	40	50	70	65	60	75
Sweet potatoes	70	65	70	65	50	95
Tomatoes	245	155	D	D	D	D
Watermelon	5	10	D	D	D	D
Other Vegetables & Melons ²	250	280	450	495	485	355
Total Vegetables & Melons	1,455	1,540	1,400	1,315	1,205	1,115
Taro (acreage in crop) ³	85	95	90	100	100	100
PRODUCTION (1,000 pounds)						
Beans, snap	350	500	570	550	500	460
Cabbage, head	6,700	7,300	5,700	5,300	4,650	4,300
Celery	370	470	500	350	500	500
Corn, sweet	130	170	240	D	D	D
Cucumbers	2,600	2,900	2,300	2,500	2,490	2,560
Lettuce	100	55	D	D	D	D
Onions, dry	1,690	3,000	2,900	2,700	2,150	1,340
Onions, green	105	125	D	D	D	D
Peppers, green	60	D	D	D	D	D
Romaine	1,150	1,900	1,100	600	550	350
Squash, Italian	350	470	750	980	800	630
Sweet potatoes	800	750	600	620	380	650
Tomatoes	8,070	5,800	D	D	D	D
Watermelon	95	140	D	D	D	D
Other Vegetables & Melons ²	3,730	3,625	7,280	6,625	6,405	5,005
Total Vegetables & Melons	26,300	27,205	21,940	20,225	18,425	15,795
Taro (marketings) ³	900	1,100	1,400	1,300	1,300	1,250

5.1.8

CONTINUED

Commodity	1997	1998	1999	2000	2001	2002
	VALUE (\$1,000)					
Beans, snap	359	416	496	468	473	414
Cabbage, head	1,380	1,314	1,009	970	944	886
Celery	102	120	125	98	152	153
Corn, sweet	98	117	161	D	D	D
Cucumbers	832	1,018	840	988	1,068	1,080
Lettuce	41	23	D	D	D	D
Onions, dry	1,658	2,367	2,062	2,066	1,993	1,461
Onions, green	111	121	D	D	D	D
Peppers, green	30	D	D	D	D	D
Romaine	414	646	352	244	214	147
Squash, Italian	179	235	334	480	400	282
Sweet potatoes	432	426	360	372	228	332
Tomatoes	4,064	2,917	D	D	D	D
Watermelon	18	29	D	D	D	D
Other Vegetables & Melons ²	1,351	1,334	2,911	3,297 ^r	3,570 ^r	4,098
Total Vegetables & Melons	11,069	11,083	8,650	8,983^r	9,042^r	8,853
Taro ³	450	577	736	684	691	690

D Not reported to avoid disclosure of individual operations.

¹ For vegetables and melons, acreage harvested (e.g., one acre planted and harvested three times during the year equals three harvested acres). For lotus root, watercress and taro, average acreage in crop during the year.

² Only selected items are shown separately. All other vegetables and melons for the island are included in the other vegetables and melons category.

³ Oahu combined with Maui and Molokai to avoid disclosure of individual operations.

^r Revised

SOURCE: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture 2002* (annual).

5.1.9

FLORICULTURE AND NURSERY PRODUCTS, MAUI COUNTY

Number of farms and growing area

	Number of Farms	Greenhouse (1,000 sq ft)	Artificial Shade (1,000 sq ft)	Natural Shade (Acres)	Open Field (Acres)	Total (Acres)
State Total						
1999	855	2,810	24,510	7	2,325	2,959
2000	735	3,235	25,180	7	2,060	2,719
2001	790	3,175	26,660	9	2,355	3,049
2002	870 ^r	3,030 ^r	30,415 ^r	10	2,870 ^r	3,373 ^r
2003	795	2,815	29,410	13	2,620	3,373
Maui/Molokai						
1999	154	325	605	0	415	436
2000	145	345	685	0	515	539
2001	150	425	730	0	565	592
2002	155 ^r	400	740 ^r	0	540 ^r	566 ^r
2003	145	340	620	0	550	572

* Less than 1/2 acre.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers and Nursery Products (annual, 2003)*, *Statistics of Hawaiian Agriculture (annual)*.

5.1.10

FLORICULTURE AND NURSERY PRODUCTS, BY COMMODITY, MAUI COUNTY

Value of grower sales (\$1,000)

Commodity	1999	2000	2001 ^r	2002	2003
Cut Flowers ¹	3,051	2,926	2,556	2,895	2,980
Orchids	999	1,027	1,111	981	1,576
Lei Flowers	D	D	D	D	D
Foliage ³	628	543	D	D	D
Potted Flowering Plants	1,229	1,121	1,135	1,112	1,145
All Other Nursery Products ⁴	3,589	3,976	4,866	5,533	5,394
Unspecified Sales ⁵	355	325	230	230	220
Total	9,851	9,918	9,898	10,751	11,315

D: Data not shown separately to avoid disclosure of individual operations.

^r Revised

¹ Cut orchids included in "Orchids" category.

² Excludes orchids used for lei flowers.

³ Includes potted, cut and unfinished. Beginning 1998, landscape foliage included with "all other nursery products."

⁴ Includes bedding plants, plant rentals, sod, trees, and any other nursery products not elsewhere classified.

⁵ Includes grower sales greater than \$999 but less than \$10,000 which were not categorized.

Source: Hawaii Agricultural Statistics Service, *Hawaii Flowers and Nursery Products (annual, 2003)*, *Statistics of Hawaiian Agriculture (annual)*.

5.1.11

FRUITS: VALUE OF SALES, MAUI COUNTY

1,000 dollars (Fresh weight basis)

	Pineapples	Other	Total
Maui/Molokai/Lanai			
1994	25,150	984	26,134
1995	24,775	1,031	25,806
1996	27,144	858	28,002
1997	28,295	1,136	29,431
1998	28,413	1,051	29,464
1999	28,325	1,056	29,381
2000	29,445 ^R	1,102	30,497
2001	27,115	921	28,036
2002	29,624	1,214	30,838

^r Revised

SOURCE: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture 2002* (annual).

5.1.12

BANANAS, MAUI COUNTY

	1998	1999	2000	2001	2002
Maui/Molokai/Lanai					
Number of Farms	35	40	40	30	40
Acreage in crop ¹	85	85	75	85	85
Acreage harvested ²	50	50	60	60	60
Yield per acre (1,000 lbs. harvested)	16.0	17.8	12.5	9.7	9.2
Fresh utilization (1,000 pounds)	800	890	750	580	550
Farm price (cents per pound)	55.0	56.0	60.0	58.0	60.0
Value of sales (\$1,000)	440	499	451	333	330

SOURCE: Hawaii Agricultural Statistics Service, *Statistics of Hawaii Agriculture 2002* (annual)..

5.2.1

COMMERCIAL MARINE LANDINGS, MAUI COUNTY

Year ended June 30

Year	Pounds Landed	Pounds Sold	Value (\$)
1982	792,504	734,258	873,251
1983	944,045	899,995	1,109,356
1984	889,715	810,257	1,083,651
1985	862,333	810,599	1,140,578
1986	1,007,255	915,637	1,659,720
1987	1,120,497	1,026,307	1,919,196
1988	961,337	851,858	1,780,096
1989	698,000	596,620	1,363,703
1990	777,385	624,466	1,428,937
1991	744,805	602,325	1,390,838
1992	854,282	692,870	1,596,576
1993	516,909	409,498	1,050,460
1994	624,147	486,682	1,226,805
1995	731,447	586,398	1,597,826
1996	783,394	620,343	1,577,195
1997	663,203	507,255	1,409,797
1998	748,149	605,174	1,464,070
1999	725,445	555,477	1,562,511
2000	643,581	501,263	1,502,897
2001	573,566	431,781	1,336,420
2002	473,472	353,277	1,145,432

SOURCE: State of Hawaii, Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Marine Landings, State of Hawaii*, fiscal year reports.

5.2.2

SEA SPECIES COMMONLY CAUGHT NEAR FISH AGGREGATING DEVICES, MAUI COUNTY

Pounds landed in year ending June 30

Species	1998	1999	2000	2001	2002
Aku	19,809	42,012	18,538	10,642	10,038
Bigeye	1,234	1,449	554	—	—
Yellowfin	33,108	41,447	18,508	29,136	28,981
Kawakawa	124	150	105	—	—
Tuna (misc.)	1,149	598	1,140	—	—
Blue Marlin	28,230	15,677	20,785	7,204	12,205
Striped Marlin	1,393	3,707	2,409	921	1,793
Sailfish	59	—	118	—	—
Shortbill Spearfish	567	2,947	1,345	336	—
Kahala	—	—	12	—	—
Kamanu	44	21	13	—	—
Keokeo	—	—	1	—	—
Mahimahi	32,634	44,480	37,528	42,905	51,068
Mako	—	410	—	—	—
Mano	824	255	100	—	—
Ono	8,403	7,785	7,143	9,014	5,918
Opelu	—	83	—	—	—
Uku	—	15	—	—	—
Other	1,058	119	169	—	—
Total	128,636	161,155	108,468	100,158	110,003
Devices Available	15	16	15	16	15

NOTE: FDA: Fish Agregating Devise are non-navigational buoys placed several miles offshore to attract fish. Data is incomplete due to late submission and processing of fish catch records.

SOURCE: State of Hawaii, Department of Land and Natural Resources, Division of Aquatic Resources, *Commercial Marine Landings, State of Hawaii*, fiscal year reports.

5.2.3

FAD CATCHES AND TRIP COUNT, MAUI COUNTY

FAD	Location	No. of Months Station On	Lbs. ¹	No. of Trips ¹	Lbs/ Trip
I	Halona Pt.	10.6	3,469	78	44.5
K	Palaoa	12.0	15,770	273	57.8
M	Hana Bay	12.0	2,460	39	63.1
N	Cape Halawa	12.0	2,007	25	80.3
O	Kalaupapa	11.1	2,417	20	120.9
Q	Pauwela Pt.	12.0	15,746	177	89.0
CC	Ka'ena Pt.	12.0	2,249	52	43.3
DD	Opana Pt.	9.3	7,674	176	43.6
FF	Pukaulua Pt.	12.0	26,388	114	231.5
HO	Ho'olawa Pt.	10.0	10,920	129	84.7
JJ	Kamohio	12.0	17,229	79	218.1
LA	Lahaina	8.2	3,789	128	29.6
MC	Palaoa	9.9	2,748	52	52.8
NL	Nu'u	10.4	2,006	39	51.4
T2	Kolo Harbor	D	D	D	D
T3	Pala'au	D	D	D	D
T6	Palaoa	12.0	D	D	D

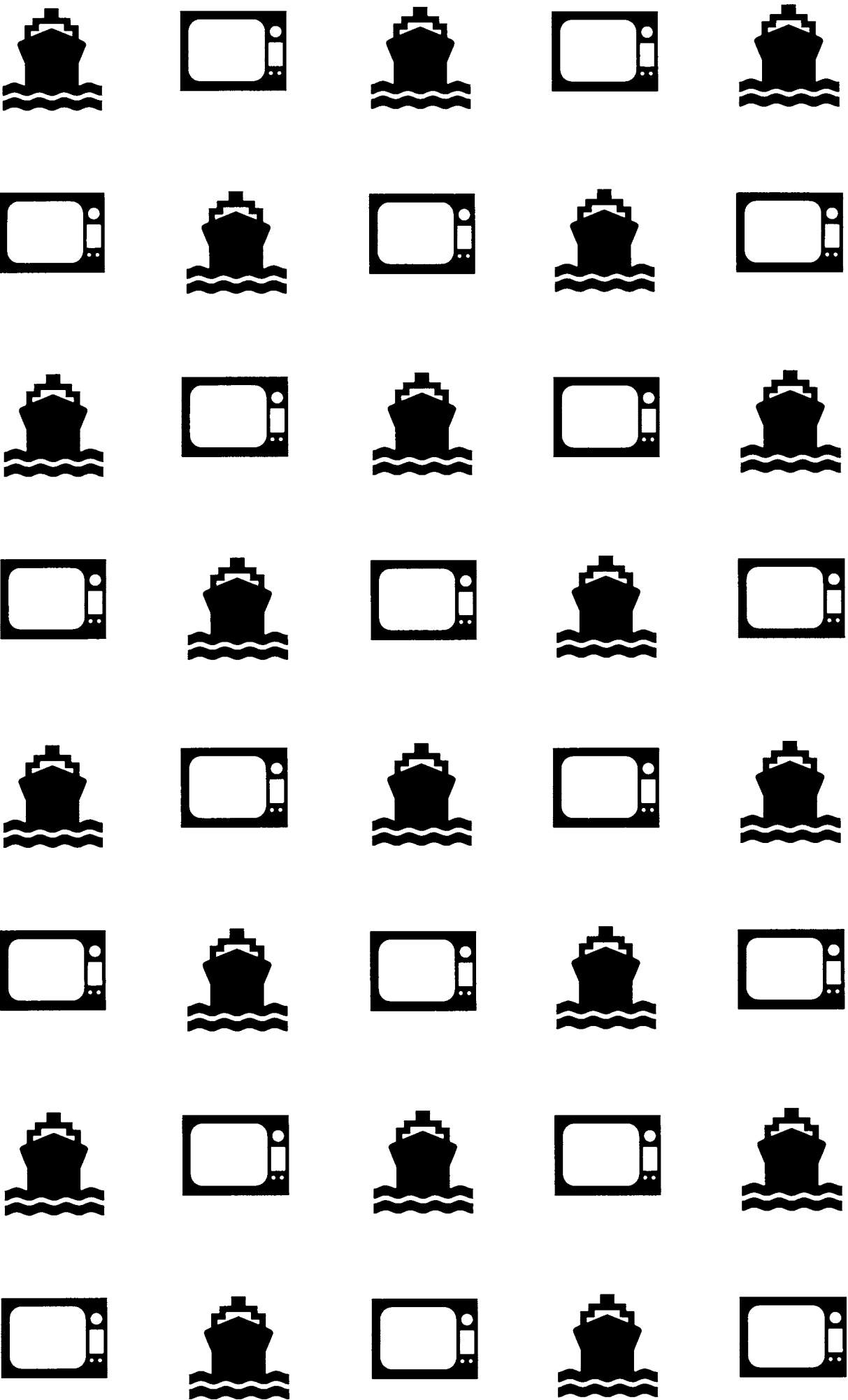
FAD: Fish Aggregating Device - are non-navigational buoys placed several miles offshore to attract fish.

¹ Reported numbers are for trolling only.

D: Due to low level of fishermen reporting and to preserve confidentiality, data for these FADs are not listed

Source: State of Hawaii, Department of Land and natural Resources, Division of Aquatic Resources, *Commercial Marine Landings, State of Hawaii*, fiscal year report 2002.

Communication & Transportation



Section 6

COMMUNICATION & TRANSPORTATION

This section covers statistics on communications and transportation.

Newspapers, radio and television station statistics are included in the first section (6.1). Under transportation, statistics on fuel usage, rental cars, registered drivers, aircraft and water craft facilities and freight traffic are presented.

With more than 47,000 tons of cargo and mail passing through Kahului Airport and just under 3,500,000 tons passing through Kahului Harbor, water transport remains the primary way goods reach Maui.

The transportation statistics are mostly taken from the Hawaii State Department of Transportation.

6.1.1

AVERAGE PAID CIRCULATION OF THE MAUI NEWS

For 12 month period ending March 31

Year	Monday-Thursday	Friday	Saturday	Sunday
1991	17,531	20,728		19,939
1992	17,845	21,089		20,822
1993	18,334	21,504		21,827
1994	18,615	21,691		22,246
1995	18,816	21,865		23,441
1996	18,379	21,234		23,866
1997	17,710	20,346		23,992
1998	17,142	19,634		24,098
2001	18,880	21,069	18,718	25,090
2002	21,214 ¹		26,525	
2003	21,631 ¹		26,833	
2004	22,032 ¹		26,931	

NOTE: 1994 to 1997 average year circulation calculated from quarterly averages.

The Maui News started publishing a Saturday edition in 2001.

¹ Monday through Saturday.

SOURCE: Audit Bureau of Circulations, *Maui News Audit Report, 1990-1998* and Maui News records 2003.

6.1.2

AVERAGE DISTRIBUTION OF OTHER NEWSPAPERS, MAUI COUNTY

Haleakala Times	16,000	bi-weekly
Lahaina News	12,000	bi-weekly
Maui Weekly	33,000	weekly
Fil-Am LIGHT News	10,000	monthly
Filipino Summit ¹	10,000	monthly
The Lana'i Times	4,000	monthly
The Molokai Advertiser-News	3,000	weekly

¹ Statewide circulation.

SOURCE: *South Maui Times, Lahaina News, The Molokai Advertiser-News, The Lana'i Times, Haleakala Times, Fil-Am LIGHT News and Filipino Summit*, staff.

6.1.3

CABLE TELEVISION COMPANIES, SUBSCRIBERS AND REVENUES, BY COUNTIES

	Maui	Hawaii	Honolulu	Kauai	State Total
Number of Companies¹					
Dec. 31, 1998	3	2	2	1	4
Dec. 31, 1999	3	2	2	1	2
Dec. 31, 2000	3	3	1	2	2
Dec. 31, 2001	3	3	1	2	2
Dec. 31, 2002	3	3	1	2	1
Dec. 31, 2003	2	2	1	1	1
Subscribers²					
Dec. 31, 1998	49,761	34,459	256,436	17,679	358,335
Dec. 31, 1999	51,835	34,268	253,981	18,189	358,273
Dec. 31, 2000	47,695	34,974	262,681	18,451	363,801
Dec. 31, 2001	48,422	36,436	264,871	18,675	368,424
Dec. 31, 2002	49,202	37,554 ^r	269,681	21,028	377,465 ^r
Dec. 31, 2003	49,918	37,291	274,416	21,087	383,342
Basic Service Revenue (\$1,000)					
1998	11,797	10,674	65,650	5,615	93,735
1999	12,719	12,107	72,522	5,783	103,131
2000	14,409	13,717	78,158	6,547	112,831
2001	15,761	14,482	85,830	7,010	123,083
2002	16,809	15,016	91,301	7,549	130,675
2003	18,012	15,821	95,401	8,091	137,325

¹State totals are unduplicated figures; one company provided service to three counties.

^r Revised from previous Data Book

²Hawaiian Cablevision has redefined multiunit as expressed by Federal rules.

SOURCE: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division, records.

6.1.4

RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, MAUI COUNTY

Station	State Total	Maui County
Commercial Stations		
AM	31	5 ¹
FM	45	9
TV ²	23	5
Non-commercial Stations		
AM	1	—
FM	8	1
TV ²	2	1

¹ Excludes one commercial AM station with studio on Oahu but transmitter on Molokai.

² Includes satellites but excludes translators and cable television.

SOURCE: Federal Communications Commission, Mass Media Bureau, Audio Services and Video Services Divisions, records.

6.2.1

LIQUID FUEL TAX BASE, MAUI COUNTY

Thousands of gallons

	1996	1997	1998	1999	2000	2001	2002	2003
Total	105,444	111,889	111,316	125,852	127,738	107,449	145,548	128,416
Gasoline	51,854	52,863	52,855	54,543	57,861	56,585	59,380	73,689
Diesel Oil, Non-highway	32,694	32,361	26,735	31,191	28,289	25,580	36,566	5,044 ¹
Diesel Oil, Highway Use	3,453	3,743	3,987	4,564	4,097	4,151	4,839	4,307
Liquid Petroleum Gas, Off Highway	569	609	560	602	634	590	167	137
Liquid Petroleum Gas, Highway Use	26	21	22	20	14	16	19	17
Small Boats, Gasoline								114
Aviation Fuel	16,847	22,293	27,157	34,931	36,842	20,525	44,561	45,109

¹ Current Estimate.

Source: Hawaii State Department of Taxation, *Liquid Fuel Tax Base and Tax Collections, Calendar Year Ending December 31, 2003* (annual release) and records.

6.2.2

GASOLINE PRICES PER GALLON FOR HAWAII, AND HAWAII RANKING JULY 16, 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.

	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

Source: AAA's Daily Fuel Gauge Report© Copyright, Oil Price Information Service released and accessed July 16, 2003.

6.2.3

HIGHWAY DISTANCES, MAUI COUNTY

Route	Statute Miles	Route	Statute Miles
Maui		Molokai	
Wailuku-Kahului	2.3	Kaunakakai-Sheraton Hotel	19.5
Wailuku-Kahului Airport	4.2	Kaunakakai-Maunaloa	16.5
Wailuku-Hana, via Keanae	53.7	Kaunakakai-Airport	8.0
Wailuku-Hana, via Kaupo	59.8	Kaunakakai-Halawa	27.6
Wailuku-Haleakala summit	38.2	Airport-Sheraton Hotel	11.5
Wailuku-Makena	17.9	Lanai	
Wailuku-Lahaina, via Kahakuloa	38.0	Lanai City-Lanai Airport	3.1
Wailuku-Lahaina, via Olowalu	20.9	Lanai City-Hulopoe	7.5
Kahului-Kihei	8.2		
Lahaina-Wailea	32.4		
Lahaina-Napili	8.9		
Lahaina-Kaanapali	3.7		

SOURCE: Hawaii State Department of Transportation, Highways Division, records.

6.2.4

HAWAII DRIVERS LICENSES IN FORCE AND VEHICLE REGISTRATION, BY TYPE OF VEHICLE, MAUI COUNTY

Taxable and non-taxable; includes vehicles registered but subsequently scrapped or shipped out of state

	1996	1997	1998	1999	2000	2001	2002	2003
Drivers Licenses in Force (as of December 31)	80,988	82,217	84,980	87,550	90,964	93,595	97,045	99,716
All Vehicles	119,961	119,626	123,596	128,204	135,554	139,546	141,511	148,716
Motor Vehicles	117,214	116,878	120,818	125,404	132,636	136,473	138,058	144,985
Passenger vehicles ¹	91,067	90,573	93,912	97,565	103,329	105,879	106,384	112,205
Ambulances	12	10	11	13	13	12	12	14
Buses	405	328	328	342	324	308	291	288
Trucks ¹	23,610	23,935	24,474	25,268	26,690	27,868	28,696	29,516
Truck tractors	118	111	104	96	98	99	99	88
Truck cranes	86	79	74	72	68	62	62	61
Motorcycles ²	1,916	1,842	1,915	2,048	2,114	2,245	2,514	2,810
Trailers and semi-trailers	2,747	2,748	2,778	2,800	2,918	3,073	3,453	3,731

¹ Vans and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

² Including motor scooters but excluding mopeds (1.5 HP or less), legally classified as bicycles.

SOURCE: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

6.2.5

**HIGHWAY BRIDGES BY ISLAND
DECEMBER 31, 2003**

Island	Number of Bridges ¹	Longest Bridge		Highest Bridge	
		Location	Length (feet)	Location	Height (feet)
Hawaii	135	Hakalau	775	Nanue	208
Maui	98	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
State	752	Airport Viaduct	14,890	Nanue	208

¹ Limited to bridges under State jurisdiction and longer than 20 feet.

Source: Hawaii State Department of Transportation, Highways Division, records.

6.2.6

LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED BY ISLAND, DECEMBER 31, 2003

(Excludes private roads and military roads not regularly open to public use)

Island	Total mileage	Paved Freeways	Paved Other	Unpaved
Hawaii	1,459.80	-	1,400.50	59.30
Maui	630.60	-	573.90	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,622.48	88.55	1,526.01	7.92
Kauai	413.98	-	391.49	22.49
Niihau	-	-	-	-
State total	4,307.20	88.55	4,046.24	172.41

Source: Hawaii State Department of Transportation, Highways Division, records.

6.2.7

ROAD, BRIDGE AND DRAINAGE MAINTENANCE, COUNTY OF MAUI

MAINTENANCE PROJECTS	FY 2001	FY 2002	FY 2003	FY 2004
County Summary				
Complaints received - road (including potholes) and drainage	598	399	377	739
Average number of days to resolve complaints	3.76	3.84	4.12	7.77
Interdepartmental support (landfill, refuse collection, cesspool pumping), work hours per year	23,079	19,646.75	19,253	11,201
Other department support (Fire, Parks), work hours per year	1,497	3,393	1,991	828
Pothole patching, tons of cold mix	2,395	2,215	3,062	3,153
Lineal feet of shoulder work	366,685	100,000	210,800	181,325
Acres of grass mowed	1,423	1,000	1,386	1,174
Lineal feet of culverts maintained	3,614	3,402	4,880	7,443
Number of catch basins maintained	369	380	516	489
Wailuku				
Complaints received - road (including potholes) and drainage	441	282	250	556
Average number of days to resolve complaints	3	3	5	8.97
Pothole patching, tons of cold mix	590	710	1,050	825
Lineal feet of shoulder work	178,565	4,000	68,800	17,525
Acres of grass mowed	680	435	560	350
Lineal feet of culverts maintained	120	1,050	330	970
Number of catch basins maintained	114	70	268	193
Makawao				
Complaints received - road (including potholes) and drainage	122	57	68	105
Average number of days to resolve complaints	7	7	3	5
Pothole patching, tons of cold mix	518	500	730	760
Lineal feet of shoulder work	102,050	74,900	89,750	105,450
Acres of grass mowed	403	331	452	337
Lineal feet of culverts maintained	270	172	90	75
Number of catch basins maintained	77	178	50	89
Lahaina				
Complaints received - road (including potholes) and drainage	32	47	41	70
Average number of days to resolve complaints	2.13	4	2	3.13
Pothole patching, tons of cold mix	33	58	49	55
Lineal feet of shoulder work	3,900	4,100	3,000	3,050
Acres of grass mowed	76	54	56	83
Lineal feet of culverts maintained	550	420	500	3,125
Number of catch basins maintained	60	60	58	65
Hana				
Complaints received - road (including potholes) and drainage	0	2	0	0
Average number of days to resolve complaints	0	4	0	0
Pothole patching, tons of cold mix	1,200	900	1,150	1,398
Lineal feet of shoulder work	58,000	4,800	24,000	28,000
Acres of grass mowed	120	90	120	130
Lineal feet of culverts maintained	668	750	960	1,056
Number of catch basins maintained	32	22	36	48
Molokai				
Complaints received - road (including potholes) and drainage	3	11	18	8
Average number of days to resolve complaints	1	8	1	1
Pothole patching, tons of cold mix	50	40	70	100
Lineal feet of shoulder work	21,000	10,000	23,000	24,000
Acres of grass mowed	120	80	185	250
Lineal feet of culverts maintained	2,000	1,000	3,000	2,200
Number of catch basins maintained	78	42	85	70
Lanai				
Complaints received - road (including potholes) and drainage	0	0	0	0
Average number of days to resolve complaints	0	0	0	0
Pothole patching, tons of cold mix	4	7	13	15
Lineal feet of shoulder work	3,170	2,200	2,250	3,300
Acres of grass mowed	24	20	13	24
Lineal feet of culverts maintained	6	10	0	17
Number of catch basins maintained	8	8	19	24

Source: Office of the Mayor, Budget Office, *County Budgets 2001-2005*.

6.2.8

MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES

Year	HIGHWAY FUEL CONSUMPTION ¹		VEHICLE MILES OF TRAVEL	
	Total (1,000 gallons)	Gallons per Vehicle ²	Total (millions)	Per Vehicle ²
State of Hawaii				
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	455,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
2003	483,232	469	9,325.0	9,046
Maui County				
1991	49,037	434	1,013.7	8,962
1992	48,985	445	988.3	8,971
1993	50,715	460	988.5	8,971
1994	53,933	487	993.9	8,973
1995	53,634	477	1,010.1	8,977
1996	55,346	473	1,049.5	8,968
1997	53,771	461	1,046.0	8,963
1998	56,241	467	1,079.7	8,959
1999	59,560	477	1,119.5	8,958
2000	60,598	459	1,182.6	8,955
2001	61,922	456	1,216.9	8,956
2002	65,142	474	1,231.9	8,958
2003	77,140	534	1,292.5	8,952

¹ Includes gasoline, diesel oil, and butane gas. Gasohol was no longer used in motor vehicles after June 1982.

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.

6.2.9

**VEHICLE REGISTRATION, BY TAXATION STATUS,
FOR COUNTIES 2003**

Taxation Status	State Total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total registered	1,008,826	652,665	147,774	66,212	142,175
Taxable vehicles	940,232	587,446	146,427	65,452	140,907
Exempt vehicles	68,594	65,219	1,347	760	1,268
Federal government	382	363	13	2	4
State government	4,921	4,920	1	-	-
County government	6,121	3,955	703	467	996
Fire department	242	65	112	32	33
Police department	1,658	1,310	344	-	4
Consulates	54	54	-	-	-
Disabled veterans	137	71	9	50	7
Military non-resident	54,641	54,269	92	201	79
Farm	300	112	52	5	131
Horseless carriage	44	33	8	2	1
Electric vehicles	94	67	13	1	13

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

6.2.10

TRAFFIC ACCIDENTS BY COUNTIES 2000 TO 2003

COUNTY	2000	2001	2002	2003
Major Traffic Accidents¹				
Honolulu	7,129	6,406	6,759	NA
Hawaii	2,201	2,781	2,255	NA
Kauai	483	524	637	NA
Maui	1,298	1,159	1,009	NA
Fatal Accidents				
Honolulu	58	74	67	66
Hawaii	34	29	27	32
Kauai	4	4	5	5
Maui	20	26	17	15
Persons Injured				
Honolulu	6,114	5,036	5,425	NA
Hawaii	1,805	1,819	1,943	NA
Kauai	441	440	524	NA
Maui	1,527	1,346	1,156	NA
Persons Killed				
Honolulu	66	79	67	81
Hawaii	38	30	28	35
Kauai	5	4	5	5
Maui	24	28	20	15

NA Not available.

¹ Through 1990, includes traffic accidents with damage of \$300 or more or causing injury or death.

Effective 1991, includes only accidents with damage of \$1,000 or more or causing injury or death. Effective

June 20, 1995, includes only accidents with damage of \$3,000 or more or causing injury or death.

Source: Hawaii State Department of Transportation, Highways Division, Traffic Safety Section, records.

6.2.11

AIRCRAFT OPERATIONS BY TYPE OF AIRCRAFT, MAJOR STATE-OWNED AIRPORTS

2001	Kahului	Honolulu International	Kona International (Keahole)	Lihue	Hilo International	Molokai
All Movements	160,324	327,006	107,793	103,655	96,238	43,806
Air Carrier	55,937	186,000	27,183	30,593	19,450	1,138
Air Taxi	69,635	37,676	10,926	55,586	42,426	26,890
General Aviation	31,816	86,283	55,094	12,230	25,077	12,532
Military	2,936	17,047	14,590	5,246	9,285	3,246

SOURCE: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics, Calendar Year 2001*.

6.2.12

AIRCRAFT OPERATIONS BY TYPE OF AIRCRAFT, KAHULUI AND MOLOKAI AIRPORTS

	1994	1995	1996	1997	1998	1999	2000	2001
Kahului Airport								
All Movements	179,227	179,883	178,590	173,342	180,890	188,385	174,855	160,324
Air Carrier	56,393	65,791	67,136	64,599	63,336	62,883	63,799	55,937
Air Taxi	85,373	80,349	78,722	81,105	84,546	92,569	77,779	69,635
General Aviation	33,292	30,691	29,976	25,211	29,509	29,575	29,983	31,816
Military	4,169	3,052	2,756	2,427	3,499	3,358	3,294	2,936
Molokai Airport								
All Movements	38,369	45,517	49,221	44,667	49,353	49,184	44,691	43,806
Air Carrier	1,443	1,194	1,003	1,017	1,163	1,469	1,484	1,138
Air Taxi	25,637	30,365	34,753	31,290	30,080	30,286	27,385	26,890
General Aviation	8,452	9,460	10,744	10,844	15,425	14,169	11,869	12,532
Military	2,833	4,498	2,721	1,516	2,685	3,260	3,953	3,246

NOTE: Definitions. *Aircraft operations*: Total aircraft movements, landings and takeoffs, combined. Reported by the United States Federal Aviation Administration's air traffic control towers. *Air carrier*: Large commercial aircraft having more than 60 seats. *Air taxi*: Small commercial aircraft having 60 seats or less. *General aviation*: All types of civil aviation including private jets, corporate jets, and helicopters. General aviation excludes commercial and military aircraft operations. *Military*: All military aircraft, including military helicopters.

SOURCE: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics, Calendar Year 2001*.

6.2.13

PASSENGERS, CARGO AND MAIL, OVERSEAS AND INTERISLAND, MAUI COUNTY AIRPORTS

Airport	1997		1998		1999		2000		2001	
	En-planed	De-planed	En-planed	De-planed	En-planed	De-planed	En-planed	De-planed	En-planed	De-planed
Passengers										
OGG										
interisl.	2,208,703	2,070,434	211,692	1,981,652	2,129,704	2,017,788	2,141,313	2,075,141	1,449,602	2,132,627
OGG										
overseas	770,110	828,364	837,015	910,058	854,706	969,881	965,586	1,009,205	1,067,849	1,079,015
MKK	125,471	126,766	124,917	127,675	132,540	137,212	124,670	128,838	106,898	108,740
LNY	88,777	89,626	88,035	88,584	88,598	87,043	80,761	80,644	72,714	72,822
JHM	88,485	89,444	72,573	72,355	68,336	66,966	61,128	60,187	47,609	47,781
HNM	5,126	4,955	4,877	4,605	4,184	3,909	3,779	3,533	2,933	2,781
LUP	4,393	4,232	4,546	4,408	4,150	3,996	1,148	1,007	1,295	1,252
Cargo (U.S. Tons)										
OGG										
interisl.	8,984	22,122	5,587	14,517	5,324	14,911	6,147	17,872	6,135	17,321
OGG										
overseas	6,988	5,772	6,804	5,179	6,945	5,937	7,390	6,688	7,919	5,511
MKK	263	710	319	888	441	967	485	847	486	836
LNY	154	721	136	717	112	665	76	642	73	612
JHM	236	482	237	489	277	360	273	316	278	304
HNM	1	0	4	0	42	11	25	10	51	16
LUP	1	6	8	153	15	174	12	190	15	170
Mail (U.S. Tons)										
OGG										
interisl.	2,195	4,643	2,199	7,643	2,263	7,592	2,089	7,575	1,977	7,176
OGG										
overseas	167	23	642	25	1,102	1	641	32	1,133	136
MKK	31	35	54	121	35	204	5	171	22	62
LNY	37	31	38	74	15	113	1	99	9	37
JHM	0	0	0	4	0	0	0	0	0	0
HNM	0	0	0	0	0	0	0	0	0	0
LUP	0	0	1	4	1	3	0	5	1	3

NOTES: Interisland traffic is intrastate only; overseas includes both international and U.S. mainland flights. Kahului is the only Maui County airport offering overseas flights.

AIRPORT KEY:

OGG	Kahului	JHM	Kapalua
MKK	Molokai	HNM	Hana
LNY	Lanai	LUP	Kalaupapa

SOURCE: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics, Calendar Year 2001*.

6.2.14

KAHULUI HARBOR FREIGHT TRAFFIC BY COMMODITY

In thousands of tons

2002 Commodity	Grand Total	Coast-wise	
		Receipts	Shipments
Total, all commodities	3,458	2,353	1,106
Petroleum and Petroleum Products Total	550	550	0
2211 Gasoline	236	236	–
2330 Distillate Fuel Oil	214	214	–
2340 Residual Fuel Oil	86	86	–
2350 Lube Oil & Greases	1	1	0
2640 Liquid Natural Gas	12	12	0
2990 Petro. Products NEC	0	0	–
Chemicals and Related Products Total	21	20	1
3110 Nitrogenous Fert.			
3190 Fert. & Mixes NEC	16	15	1
3274 Sodium Hydroxide			
3275 Inorg. Elem., Oxides, & Halogen Salts	0	0	–
3281 Radioactive Material			
3282 Pigments & Paints	1	1	–
3284 Medicines	2	2	–
3285 Perfumes & Cleansers	0	0	–
3286 Plastics	2	2	0
3291 Pesticides	0	0	–
3293 Explosives	0	0	–
Crude Materials, Inedible Except Fuels Total	151	131	20
4189 Lumber	61	55	6
4190 Forest Products NEC	0	0	–
4225 Pulp & Waste Paper	2		2
4331 Sand & Gravel	80	68	12
4338 Soil & Fill Dirt	1	1	–
4420 Iron & Steel Scrap	7	7	0
4900 Non-Metal. Min. NEC	0	0	–
Primary Manufactured Goods Total	1,960	1,176	784
5110 Newsprint	2	2	–
5120 Paper & Paperboard	0	0	–
5190 Paper Products NEC	17	15	2
5220 Cement & Concrete	55	55	–
5240 Glass & Glass Prod.	1	1	–
5290 Misc. Mineral Prod.	14	14	0
5360 I&S Bars & Shapes	2	2	0
5370 I&S Pipe & Tube	5	5	0
5480 Fab. Metal Products	1,864	1,082	782
5540 Primary Wood Prod.	0	0	–

6.2.14

CONTINUED

2002 Commodity	Grand Total	Coast-wise	
		Receipts	Shipments
Food and Farm Products Total	292	157	136
6134 Fish (Not Shellfish)	0	0	-
6442 Rice	2	2	-
6654 Vegetables & Prod.	7	7	1
6746 Wheat Flour	1	1	-
6747 Grain Mill Products	0	0	-
6781 Hay & Fodder	0	0	-
6782 Animal Feed, Prep.	5	5	0
6811 Meat, Fresh, Frozen	4	4	-
6822 Dairy Products	0	0	0
6839 Animals & Prod. NEC	3	1	1
6857 Fruit & Nuts NEC	0	0	-
6858 Fruit Juices	79	0	79
6861 Sugar	3	0	3
6865 Molasses	45		45
6871 Coffee	0	0	-
6885 Alcoholic Beverages	15	15	0
6887 Groceries	5	5	-
6889 Food Products NEC	119	113	6
6899 Farm Products NEC	2	2	0
All Manufactured Equipment, Machinery and Products Total	484	320	165
7110 Machinery (Not Elec)	8	4	5
7120 Electrical Machinery	1	0	0
7210 Vehicles & Parts	213	127	86
7220 Aircraft & Parts	0	0	0
7230 Ships & Boats	0	0	0
7400 Manufac. Wood Prod.	6	5	1
7500 Textile Products	0	0	-
7600 Rubber & Plastic Pr.	0	0	0
7900 Manufac. Prod. NEC	255	183	73
Unknown or Not Elsewhere Classified Total	0	0	-
9900 Unknown or NEC	0	0	-

NOTES: Totals may not add due to rounding. Tonnage figures are rounded. A zero represents less than 500 tons but more than zero. Blanks mean zero tons. Commodity codes are standardized to reflect the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. Coastwise: Domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, (e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed Coastwise. *Receipts*: traffic moving from one location to another where the destination is the subject port. *Shipments*: traffic moving from one location to another where the origin is the subject port.

NEC: not elsewhere classified.

I&S: iron and steel.

SOURCE: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Part 4, Waterways and Harbors, Pacific Coast, Alaska and Hawaii*, calendar year 2002.

6.2.15

VESSEL ARRIVALS FOR KAHULUI HARBOR

Excludes domestic fishing craft

	1995	1996	1997	1998	1999	2000	2001	2002
Total Inbound Vessels	1,238	1,333	1,259	1,351	1,442	1,453	1,595	1,548
By Type of Vessel								
Self propelled vessels								
Passenger and dry cargo	27	35	22	45	55	54	69	59
Tanker	0	1	0	3	2	0	2	2
Towboat or tugboat	443	539	534	584	614	665	375	718
Non-self propelled vessels								
Dry cargo	687	676	615	618	656	624	744	663
Tanker	81	82	88	101	115	110	105	106
By Draft								
18 feet and less	1,211	1,280	1,061	1,152	1,160	1,198	1,305	1,279
19 feet and more	27	53	198	199	282	255	220	203

SOURCE: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Part 4, Waterways and Harbors, Pacific Coast, Alaska and Hawaii*, calendar years 1994-2002.

6.2.16

FREIGHT TRAFFIC FOR KAHULUI HARBOR

Freight Traffic (In thousand short tons)

1988	2,156
1989	2,278
1990	2,408
1991	2,434
1992	2,357
1993	2,216
1994	2,368
1995	2,586
1996	2,828
1997	2,895
1998	2,851
1999	3,513
2000	3,477
2001	3,695
2002	3,458

SOURCE: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Part 4, Waterways and Harbors, Pacific Coast, Alaska and Hawaii*, calendar years 1988-2002.

Energy & Science



Section 7

ENERGY & SCIENCE

The increase in Maui County's population has been reflected in the utilities. Consumption and use of electricity, gas, utilities, and water have all increased dramatically over the last decade. Statistics on electricity, gas, water production and consumption are covered. Hawaiian Commercial and Sugar generated 5.53% of the electric power used on the island of Maui in 2001. Ongoing scientific endeavors include observation of astronomical and man-made space objects from the summit of Mt. Haleakala.

7.1.1

TELESCOPES 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/ Advanced Electro-Optical System 3.7-m Telescope (AEOS)	200.0	16.0	120	1979
Magnum 2-m Telescope 5/	50.0	15.0	55	1997
Faulkes 2-m Telescope 6/	5.0	0.25	1	2000
Haleakala Support Facilities	5.0	(NA)	(NA)	2003
	(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.

7.1.2

ELECTRIC UTILITIES, MAUI COUNTY

	1999	2000	2001	2002	2003
CUSTOMERS, DEC. 31					
<i>Total</i>					
Maui Island	52,079	53,204	54,405	55,504	56,880
Molokai	2,911	2,903	2,926	2,960	3,017
Lanai	1,420	1,494	1,509	1,519	1,526
Maui County	56,410	57,601	58,840	59,983	61,423
<i>Residential¹</i>					
Maui Island	44,510	45,379	46,320	47,253	48,327
Molokai	2,364	2,351	2,381	2,416	2,464
Lanai	1,227	1,296	1,306	1,310	1,319
Maui County	48,101	49,026	50,007	50,979	52,110
<i>Other</i>					
Maui Island	7,569	7,825	8,085	8,251	8,553
Molokai	547	552	545	544	553
Lanai	193	198	203	209	207
Maui County	8,309	8,575	8,833	9,004	6,313
GENERATING AND FIRM PURCHASED CAPABILITY, DEC. 31 (MW)					
Maui Island	228.9	250.1	250.1	250.1	245.2
Molokai	12.1	12.1	12.1	12.0	11.8
Lanai	10.4	10.4	10.4	10.4	10.3
Maui County	251.4	272.6	272.6	272.5	267.3
PEAK DEMAND (MW)²					
Maui Island	180.1	185.1	191.0	193.9	197.7
Molokai	7.0	6.5	6.5	6.6	6.5
Lanai	5.0	5.0	5.2	4.9	5.0
POWER SOLD (1,000 kWh)					
<i>Total</i>					
Maui Island	1,002,594	1,042,006	1,071,486	1,096,739	1,142,689
Molokai	35,576	36,349	35,681	34,942	35,894
Lanai	26,569	27,108	26,905	27,036	28,136
Maui County	1,064,739	1,105,463	1,134,072	1,158,717	1,206,719
<i>Residential</i>					
Maui Island	340,071	354,689	360,025	378,828	398,949
Molokai	12,551	12,687	12,348	12,439	13,048
Lanai	6,620	6,855	7,068	7,358	7,515
Maui County	359,243	374,231	379,440	398,625	419,512
<i>Other</i>					
Maui Island	662,523	687,317	711,462	717,911	743,741
Molokai	23,025	23,661	23,333	22,503	22,846
Lanai	19,949	20,253	19,838	19,678	20,621
Maui County	705,496	731,232	754,633	760,092	787,208

7.1.2

CONTINUED

	1999	2000	2001	2002	2003
AVERAGE ANNUAL USE (kWh)³					
<i>Residential</i>					
Maui Island	7,640	7,816	7,773	8,017	8,255
Molokai	5,309	5,397	5,186	5,149	5,296
Lanai	5,396	5,289	5,412	5,617	5,697
Maui County	7,469	7,633	7,588	7,819	8,050
<i>Other</i>					
Maui Island	87,531	87,836	87,998	87,009	86,957
Molokai	42,093	42,865	42,814	41,366	41,312
Lanai	103,361	102,288	97,722	94,152	99,619
Maui County	84,907	85,275	85,433	84,417	84,528
AVERAGE RATE (dollars per kWh)					
<i>Residential</i>					
Maui Island	0.15549	0.18232	0.18656	0.17119	0.18289
Molokai	0.19547	0.22787	0.23631	0.22173	0.22953
Lanai	0.19478	0.22184	0.24415	0.22445	0.23460
Maui County	0.15761	0.18459	0.18925	0.17375	0.18527
<i>Other</i>					
Maui Island	0.13866	0.16582	0.17125	0.15684	0.16954
Molokai	0.19053	0.22376	0.22841	0.21110	0.22509
Lanai	0.19737	0.22112	0.24555	0.22480	0.23516
Maui County	0.14201	0.16922	0.17497	0.16020	0.17287
Revenues (\$1,000)					
<i>Total</i>					
Maui Island	144,741	178,638	189,003	177,446	199,057
Molokai	6,840	8,186	8,247	7,508	8,137
Lanai	5,227	5,999	6,597	6,075	6,612
Maui County	156,808	192,823	203,847	191,030	213,806
<i>Residential</i>					
Maui Island	52,878	64,668	67,166	64,851	72,964
Molokai	2,453	2,891	2,918	2,758	2,995
Lanai	1,290	1,521	1,726	1,652	1,763
Maui County	56,621	69,080	71,809	69,260	77,721
<i>Other</i>					
Maui Island	91,863	113,970	121,837	112,596	126,093
Molokai	4,387	5,294	5,330	4,750	5,142
Lanai	3,937	4,478	4,871	4,424	4,849
Maui County	100,187	123,743	132,038	121,769	136,085

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 Peak demand is the maximum amount of energy required from the electrical system. The islands' electrical systems are not interconnected, so no peaks are reported for Maui County as a whole.

³ Based on number of customers at end of year.

SOURCE: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy, records; capacity and peak demand: Hawaiian Electric Industries, Inc., Securities and Exchange Commission 10-K filings, 1999-2003.

7.1.3

GAS UTILITIES, MAUI COUNTY

Excludes bottled gas

	1998	1999	2000	2001	2002	2003
Island of Maui						
Customers (December 31)						
Residential ¹	319	326	333	329	325	321
Other	77	79	78	79	75	76
Total	396	405	411	408	400	397
Gas Sold (1,000 therms)						
Residential	71	74	78	77	68	69
Other	682	813	805	786	771	766
Total	752	887	883	863	839	836
Average Annual Use (therms)						
Residential	221	228	233	234	210	216
Other	8,852	10,285	10,320	9,947	10,281	10,081
Average Rate (\$ per therm)²						
Residential	2.15527	1.98769	2.10372	2.43086	2.71343	2.82044
Other	1.21693	1.14251	1.23916	1.45250	1.36960	1.51092
Revenues (\$1,000)						
Residential	152	148	163	187	185	196
Other	829	928	997	1,141	1,056	1,158
Total	982	1,076	1,161	1,329	1,241	1,353
Island of Molokai³						
Customers (December 31)						
Total/Residential	96	92	78	71	80	72
Gas Sold (1,000 therms)						
Total/Residential	20	19	17	15	14	15
Average Annual Use (therms)						
Total/Residential	205	206	220	205	117	202
Average Rate (\$ per therm)						
Total/Residential	2.31461	2.23825	2.33821	2.62590	2.84208	3.00433
Revenues (\$1,000)						
Total/Residential	46	42	40	38	40	44

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.

³ All Molokai customers are residential.

SOURCE: Hawaii State Department of Commerce and Consumer Affairs, Division of Consumer Advocacy, records.

7.1.4

HAWAII STATE ENERGY REPORT, ENERGY CONSUMPTION ESTIMATES BY SOURCE

In billion BTU

	1996	1997	1998	1999	2000	2001
Asphalt and road oil	2,663.4	2,629.6	2,138.0	2,340.3	4,009.3	2,271.0
Aviation gasoline	833.0	608.8	540.3	293.6	226.3	243.8
Distillate fuel	25,736.6	24,973.5	25,298.4	30,951.2 ^r	29,672.1 ^r	35,180.4
Kerosene-type jet fuel	57,171.9	57,921.6	56,643.3	53,720.0	53,510.8	50,437.3
Naphtha-type jet fuel	22.0	9.0	0.0	0.0	0.0	0.0
Kerosene	3.0	2.8	1.5	0.9	1.3 ^r	0.9
Liquified petroleum gasses	4,766.4	870.3	3,050.5	1,358.0	2,027.4	2,102.2
Lubricants	541.2	571.7	598.5	604.8	595.7	545.8
Motor gasoline	48,892.3	48,781.1	48,692.3	46,653.8	48,397.8	50,587.3
Residual fuel	65,253.6	62,112.4	81,383.5 ^r	81,383.5 ^r	85,001.5 ^r	83,517.5
Other petroleum products ¹	15,488.5	15,257.4	12,595.3	12,615.2	11,806.6	17,159.9
Subtotal petroleum products	221,371.8	213,738.2	230,941.6^r	229,921.2^r	235,248.9^r	242,046.2
Geothermal energy	5,120.0	4,683.3	4,983.0	4,437.1	5,515.6	4,349.9
Solar thermal and photovoltaic energy	1,255.0	1,273.0	1,317.7	1,353.0 ^r	1,364.9 ^r	1,341.0
Wind energy	123.7	206.2	196.6 ^r	168.7 ^r	173.4	21.6
Subtotal geothermal, solar thermal, photovoltaic and wind energy	6,498.6	6,162.4	6,496.2^r	5,958.8^r	7,053.9^r	5,712.6
Coal	20,368.5	20,040.3	18,222.9 ^r	17,653.7 ^r	17,653.7 ^r	17,550.7
Hydroelectric power	1,082.6	1,194.5	1,236.6 ^r	1,175.0 ^r	1,055.4	1,025.0
Natural gas	2,824.3	2,688.3	2,803.7	2,886.5	2,975.0	2,919.4
Wood and waste	15,996.8	14,779.2	17,649.8 ^r	18,098.3 ^r	16,101.2 ^r	15,121.0
Total energy consumption	251,411.7	241,824.9	279,884.9^r	275,730.6^r	280,033.8^r	282,163.2

NOTE: Totals may not equal sum of components due to independent rounding.

¹ Other petroleum products are aviation gasoline blending components, motor gasoline blending components, petroleum coke, still gas, unfinished oils, and petroleum waxes.

^r Revised from previous Data Book.

SOURCE: U.S. Department of Energy, Energy Information Administration, Combined State Energy Data System 2000.

7.1.5

WATER SERVICES AND CONSUMPTION, MAUI COUNTY*Years ending June 30*

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
	NUMBER OF SERVICES										
State Total	219,596	222,569	226,998	229,989	230,952	233,043	235,799	238,665	242,092	245,397	247,862
Maui County	26,522	27,021	27,460	27,918	28,306	28,720	29,333	29,750	30,414	31,021	31,680
Maui	25,042	25,531	25,960	26,409	26,795	27,205	27,809	28,217	28,872	29,451	30,102
Molokai	1,480	1,490	1,500	1,509	1,511	1,515	1,524	1,533	1,542	1,570	1,578
	CONSUMPTION (million gallons)										
State Total	73,338	73,732	74,990	75,389	71,810	73,301	76,631	76,401	78,748	77,868	80,735
Maui County	10,311	11,177	11,494	11,477	11,485	11,729	12,547	12,719	12,883	12,312	12,695
Maui	9,990	10,822	11,150	11,138	11,110	11,399	12,199	12,388	12,546	11,997	12,357
Molokai	321	355	344	339	330	369	348	331	337	315	338

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.

7.1.6

DAILY AVERAGES FOR WATER PRODUCTION BY AREA, MAUI COUNTY

(in thousands of gallons)

Area	07/03	08/03	09/03	10/03	11/03	12/03	01/04	02/04	03/04	04/04	05/04	06/04	Prev. 12 months
Central Maui													
Groundwater-lao	18,394	19,728	19,734	20,335	18,270	18,006	13,008	15,658	12,157	14,325	15,542	17,752	16,901
lao Tunnel	1,424	1,457	1,457	1,411	1,426	1,380	1,301	1,342	1,404	1,484	1,856	1,837	1,482
Groundwater-Waihee	5,899	5,583	5,592	3,889	3,061	585	3,702	2,929	3,498	3,840	4,107	4,091	3,897
Surface Water	725	772	1,115	1,144	902	954	835	753	656	975	881	1,082	964
Upcountry Maui													
Surface Water	8,234	8,076	7,545	8,223	7,195	5,242	5,291	6,058	4,835	5,436	5,668	7,321	6,540
Groundwater	1,089	1,179	1,181	753	590	346	333	394	262	276	321	333	589
West Maui													
Surface Water	4,105	4,311	3,608	3,466	3,343	3,370	3,232	3,743	3,563	3,144	3,276	3,583	3,545
Groundwater	4,445	2,845	3,180	3,595	3,433	3,324	3,968	3,555	2,647	2,512	2,737	2,764	3,253
East Maui													
Groundwater	229	286	272	223	258	212	536	244	343	351	325	375	304
Molokai													
Groundwater	1,271	1,223	1,225	1,190	1,236	1,196	1,188	943	941	997	1,192	1,229	1,153
TOTAL WATER PRODUCTION	45,813	45,459	44,910	44,229	39,713	34,614	33,412	35,618	30,305	33,340	35,905	40,367	38,629

Source: County of Maui, Department of Water Supply, Water Quality Report.

7.1.7

WATER SYSTEM DEVELOPMENT FEE SCHEDULE

(Effective July 29, 2002)

METER SIZE	TOTAL FEE
5/8 inch	\$6,030
3/4 inch	8,442
1 inch	15,678
1 1/2 inch	34,974
2 inch	61,506
3 inch	138,690
4 inch	247,230
6 inch	555,966
8 inch	987,714
10 inch	1,543,680
12 inch	2,222,658

Note: Fees do not include installation charges.

Source: County of Maui, Department of Water Supply, *Annual Report FY 2003*.

7.1.8

**NUMBER OF SERVICES BY METER SIZE,
MAUI COUNTY**

District	5/8"	3/4"	1"	1-1/2"	2"	3"	4"	6"	8"	Total
Regular Rates										
Wailuku	15,078	673	450	373	359	69	22	3	1	17,028
Makawao	8,124	278	163	74	26	13	5	0	0	8,683
Lahaina	2,620	97	104	126	113	34	6	1	0	3,101
Hana	478	7	8	4	3	0	0	0	0	500
Molokai	1,469	35	30	14	18	1	0	1	0	1,568
Subtotal	27,769	1,090	755	591	519	117	33	5	1	30,880
Agricultural Service Meters										
Wailuku	23	9	6	5	1	0	0	0	0	44
Makawao	426	66	100	96	37	1	1	0	0	727
Lahaina	2	2	1	0	0	0	0	0	0	5
Hana	13	0	3	0	0	0	0	0	0	16
Molokai	4	2	1	1	0	0	0	0	0	8
Subtotal	468	79	111	102	38	1	1	0	0	800
Total	28,237	1,169	866	693	557	118	34	5	1	31,680

Source: County of Maui, Department of Water Supply, *Annual Report FY 2003*.

7.1.9

**OUTSIDE WATER DELIVERIES TO DEPARTMENT OF
WATER SUPPLY, MAUI COUNTY**

Purchased From	1,000 Gallons	Amount	Cost Per 1,000 Gallons
East Maui Irrigation	2,634,661	\$158,871	\$0.060
Wailuku Agribusiness	101,972	18,964	0.186
Maui Land & Pine	846,126	42,306	0.050
Hawaiian Home Lands	11,963	17,500	1.460
R.W. Meyers	3,198	1,279	0.400
HC&S	113,095	28,082	0.248
Total	3,711,015	\$267,002	\$0.072
District			
Wailuku	215,067	\$47,047	\$0.219
Kula	1,639,509	98,862	0.060
Makawao	987,191	59,528	0.060
Lahaina	846,126	42,306	0.050
Hana	7,961	480	0.060
Molokai	15,161	18,779	1.239
Total	3,711,015	\$267,002	\$0.072

Source: County of Maui, Department of Water Supply, *Annual Report FY 2003*.

7.1.10
WATER SALES TO GENERAL & AGRICULTURAL
CONSUMERS BY DISTRICT & SYSTEMS,
MAUI COUNTY FY JULY 2002 - JUNE 2003

System	Services	Change from FY 2002	Consumption (1,000 gallons)	Change from FY 2002 (1,000 gallons)
Wailuku District				
Wailuku	5,099	34	1,252,578	9,426
Waihee	185	3	26,089	(1,480)
Waikapu	301	0	51,704	4,424
Wailuku Heights	466	10	93,252	13,257
Kahului	4,502	63	1,728,800	8,269
Puunene	10	(1)	38,398	2,199
Kihei	5,282	203	3,916,117	154,935
Maalaea	45	0	83,639	2,327
Makena	159	23	204,780	15,683
Paia-Kuau	856	3	166,034	9,273
Spreckelsville	165	4	87,192	710
Subtotal	17,070	342	7,648,583	259,023
Makawao District				
Kokomo-Kaupakalua	1,010	13	181,201	18,373
Kuiaha	299	0	52,758	7,144
Haiku-Pauwela	825	26	137,789	15,968
Makawao	1,975	4	357,361	21,632
Pukalani	2,020	64	383,638	34,364
Hailiimaile	200	0	35,813	2,689
Upper Kula	1,892	144	504,773	(41,533)
Lower Kula	1,076	(12)	796,066	(62,633)
Ulupalakua	76	(3)	69,514	(2,906)
Kula Agr. Park	37	(1)	193,033	(20,411)
Subtotal	9,410	235	2,711,946	(27,313)
Lahaina District				
Lahaina	1,970	39	917,782	51,875
Honokowai	413	3	583,486	33,088
Alaeloa	711	28	424,846	46,056
Honokohau	13	0	1,446	242
Subtotal	3,107	70	1,927,560	131,261
Molokai District				
Kawela-Kaunakakai	1,114	5	247,731	15,027
Ualapue	349	(1)	78,920	5,879
Kalae	107	2	11,175	1,791
Halawa	8	2	272	107
Subtotal	1,578	8	338,098	22,804
Hana District				
Hana	380	4	55,867	(3,609)
Nahiku	34	0	3,522	(389)
Keanae	80	0	8,079	484
Kaupo	21	0	1,313	402
Subtotal	515	4	68,781	(3,112)
Total	31,680		12,694,968	382,663

Source: County of Maui, Department of WaterSupply, *Annual Report FY 2003*.

7.1.11

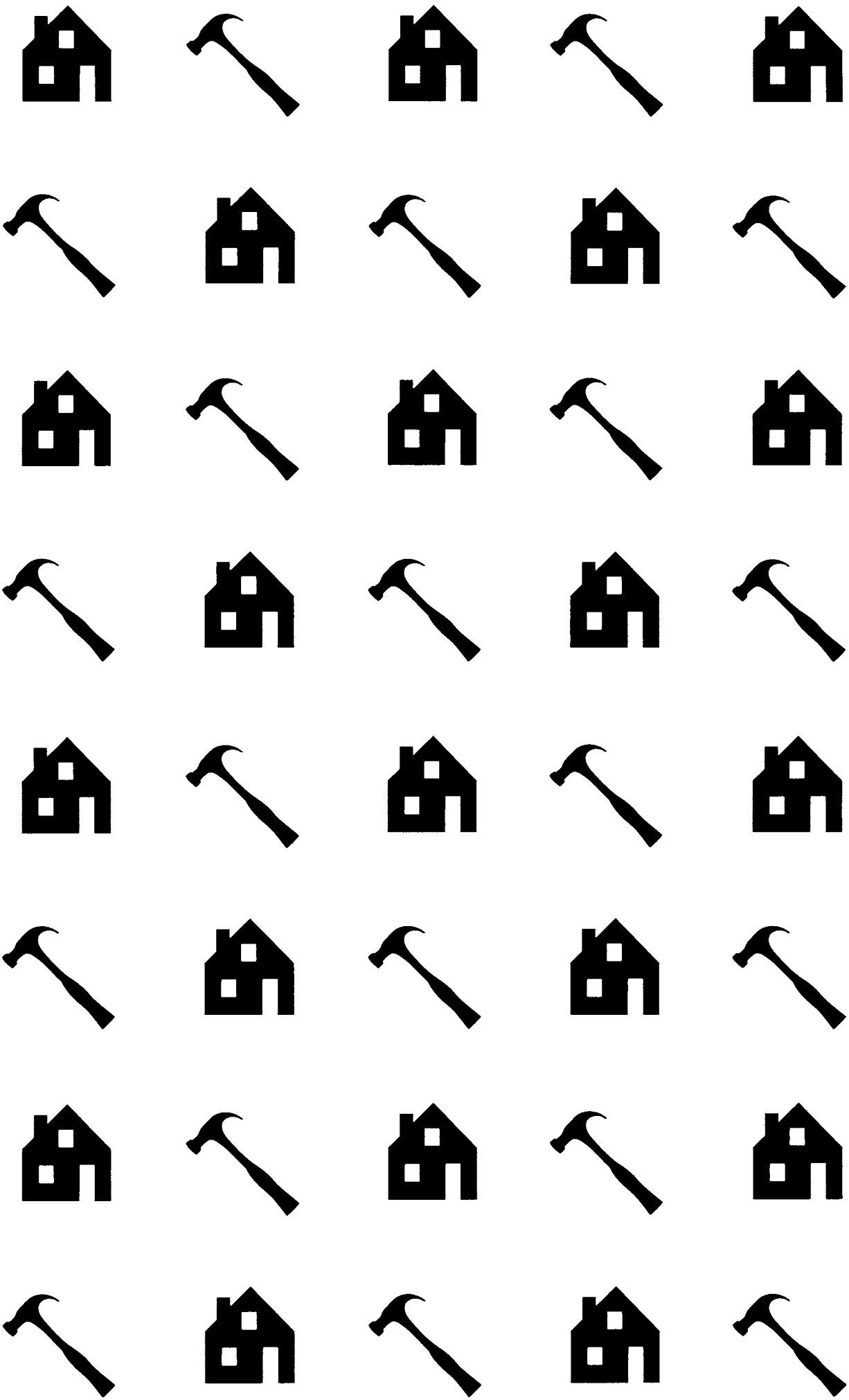
**WATER CONSUMPTION BY DISTRICT,
MAUI COUNTY FY JULY 2002 - JUNE 2003**

(1,000 gallons)

Months	Total	Wailuku	Makawao	Kula	Lahaina	Molokai	Hana
General							
July-August	2,124,131	1,418,450	178,471	107,324	352,147	56,190	11,549
September-October	2,083,529	1,360,488	208,036	105,277	340,442	57,924	11,362
November-December	1,859,701	1,186,297	176,123	96,103	336,728	55,369	9,081
January-February	1,749,175	1,135,288	168,348	93,505	292,187	49,045	10,802
March-April	1,683,398	1,122,778	149,774	74,285	284,127	49,586	2,848
May-June	1,944,823	1,269,248	173,254	111,299	309,975	60,897	20,150
Total	11,444,757	7,492,549	1,054,006	587,793	1,915,606	329,011	65,792
Agricultural							
July-August	249,585	34,043	17,522	193,843	2,290	1,384	503
September-October	243,121	25,277	17,936	195,560	2,209	1,597	542
November-December	187,600	20,943	17,638	145,033	2,123	1,635	218
January-February	174,924	27,638	16,422	125,402	2,661	1,448	1,353
March-April	164,211	22,549	13,513	125,369	1,327	1,340	113
May-June	230,780	25,580	17,460	184,453	1,344	1,499	444
Total	1,250,221	156,030	100,491	969,660	11,954	8,903	3,173
Grand Total	12,694,968	7,648,579	1,154,497	1,557,453	1,927,560	337,917	68,965

Source: County of Maui, Department of WaterSupply, *Annual Report FY 2003*.

Construction & Housing



Section 8

CONSTRUCTION & HOUSING

Statistics on building permits, construction authorizations and modifications for both public and private projects are covered in this section. Tenure and control of real property is reflected here, as are Maui's housing characteristics by division and census designated place.

There are approximately 56,000 housing units on Maui of which around 25,000 (44%) are owner-occupied. 1,915 building permits were issued in 2002.

8.1.1
NUMBER AND VALUE OF BUILDING PERMITS,
MAUI COUNTY

Ending December 31

Year	Number Issued	Estimated Value (\$1,000)
1991	3,239	199,309
1992	3,020	234,124
1993	2,593	288,753
1994	2,606	252,547
1995	2,030	253,805
1996	2,369	195,916
1997	2,254	193,129
1998	2,338	207,498
1999	2,365	250,486
2000	2,786	386,126
2001	2,456	342,339
2002	1,915	273,716
2003	2,682	456,085

SOURCE: Maui County, Development Services Administration, Department of Public Works and Environmental Management, records.

8.1.2
VALUE OF BUILDING PERMITS,
MAUI COUNTY

(In thousands of dollars)

Category	2000	2001	2002	2003
Residential	196,310	186,548	186,622	276,286
Hotel	12,830	34,000	0	0
Non-residential	62,325	52,619	38,384	128,440
Additions and alterations	83,894	39,570	48,710	51,359
Total	355,360	312,737	273,716	456,085

Source: Compiled monthly from county building departments by the Hawaii State Department of Business, Economic Development & Tourism 2000 - 2002, Maui County, Development Services Administration, Department of Public Works and Environmental Management, 2003 records.

8.1.3

PRIVATE RESIDENTIAL CONSTRUCTION AUTHORIZATIONS, MAUI COUNTY

	1999	2000	2001	2002	2003
Authorized Housing Units					
New single-family units	647	904	778	787	877
New multi-family units	247	239	277	397	211
Total	894	1,143	1,055	1,184	1,088
Permit Value (\$)					
New single-family units	107,531,515	158,200,160	120,382,575	161,781,500	149,660,471
New multi-family units	15,157,463	50,656,320	19,974,528	24,705,968	16,235,608
Total	122,688,978	208,856,480	140,357,103	186,487,468	165,896,079

SOURCE: U.S. Census Bureau, *Monthly New Privately-Owned Residential Building Permits, Maui County, 1998-2002*.

8.1.4

PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION AUTHORIZED BY PERMITS, MAUI COUNTY

Year	New One Family Dwellings	New Duplex Units	New Apartments	Units Demolished ¹
1996	608	7	16	109
1997	574	2 ^r	147 ^r	40
1998	563	438 ^r	40 ^r	42
1999	650	42 ^r	218 ^r	86
2000	842	24 ^r	245 ^r	37
2001	767 ^r	28 ^r	253 ^r	43 ^r
2002	807	36	371	34

^r Revised from previous Data Book.

NA: Not available.

Source: Compiled from county building departments by the Hawaii State Department of Business, Economic Development & Tourism.

8.1.5

LARGEST RESIDENTIAL CONSTRUCTION PROJECTS, MAUI COUNTY

Project	Building Permit Value	Description	Completion Date
Napali Villas, Phase I, II, III	21,000,000	184 Multi-family units	Aug. 2003
Villas at Kenolio	15,000,000	140 units, 16 buildings	Jun. 2004
Grand Fairways & Islands (Maui Lani)	4,564,079	House & Lot Packages	DND
CCG Residence	334,000	Single Family Residence	Sep. 2003
AM Residence	300,000	Single Family Residence	May. 2003

Source: "Residential Construction Projects," Pacific Business News, *Book of List 2004*.

8.1.6

LARGEST COMMERCIAL CONSTRUCTION PROJECTS, MAUI COUNTY

Project	Building Permit Value	Description	Completion Date
Kamehameha Schools, Phase III	63,700,000	New High School	Aug. 2003
Kaanapali Ocean Resort	51,255,657	103 Unit Hotel & Time Share	Aug. 2003
Iao Intermediate School	11,600,000	Rehabilitation of Wailuku Armory	Aug. 2003
Maui Army National Guard	10,500,000	New Armory	Jun. 2004
Kaiser Medical Clinic	6,200,000	New Clinic	Oct. 2003
Lanai Police Station	4,000,000	New Police Station	May. 2003
Lihikai Elementary School	1,674,000	Renovations	Aug. 2003
Makaowao Base Yard	1,423,000	New County Baseyard	Oct. 2003
Hoapili Hale	1,252,509	Courthouse Repairs	Oct. 2003
Maui Waena Inter. School	1,208,000	New Administration Building	Sep. 2003

Source: "Commercial Construction Projects," Pacific Business News, *Book of List 2004*.

8.1.7

**PLANNED ADDITIONS TO AND SUBTRACTIONS
FROM MAUI VISITOR INDUSTRY PLANT SUPPLY
2003**

NAME OF FACILITY	Planned Type	Planned Units	Notes
Kaanapali Ocean Resort Kahului Airport Hotel	Timeshare Hotel	280 140	Project under construction by Starwood Hotels. SMA Permit approved by Maui Planning Commission in April 2002. Applicant is going through the building permit process. Lead partner: A&B Properties, Inc.
Maui Ocean Club Sequel	Timeshare	143	SMA application was submitted in December 2002. Application will be scheduled with the Maui Planning Commission. Developer: Marriott Vacation Club International.
Maui Palms Redevelopment	Hotel	136	SMA Permit issued in January 2002. Developer: Elleair Hawaii.
Kapalua Bay Hotel North Wing Expansion	Hotel	128	SMA Time Extension on the period to complete construction extended to December 2005. Developer: YCP Kapalua, L.P.

Source: Hawaii State Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, 2003 Visitor Plan Inventory, Table 10.

8.1.8

**AVERAGE WEEKLY WAGES FOR CONSTRUCTION INDUSTRIES,
MAUI COUNTY - 2003**

Industry	Number of Establishments	Average Employment	Total Wages	Average Weekly Wages
Construction	529	2,987	\$134,596,812	\$867
Construction of Buildings	187	917	\$39,323,101	\$825
Residential Building Construction	149	558	\$20,190,772	\$696
Nonresidential Building Construction	38	359	\$19,132,329	\$1,025
Heavy and Civil Engineering Construction	41	401	\$25,796,035	\$1,237
Land Subdivision	23	94	\$6,025,157	\$1,233
Specialty Trade Contractors	301	1,670	\$69,477,676	\$800
Building Foundation/Exterior Contractors	60	268	\$11,466,363	\$823
Building Equipment Contractors	105	574	\$24,728,044	\$828
Building Finishing Contractors	88	496	\$20,067,902	\$778
Other Specialty Trade Contractors	48	332	\$13,215,367	\$765

Source: State of Hawaii, Department of Labor and Industrial Relations, Research and Statistics Office.

8.1.9

**BUILDING PERMITS ISSUED,
MAUI COUNTY CALENDAR YEAR 2003**

TYPES OF PERMITS	NO. OF PERMITS	NO. OF UNITS	VALUATION
Single Family, Detached	868	868	\$200,196,166.00
Two Family Buildings	3	6	\$790,000.00
Three and Four Family Bldgs.	8	96	\$43,966,488.00
Five or more Family Bldgs.	19	188	\$27,147,910.00
Churches and Other Religious	2		\$1,340,000.00
Service Stations and Repair Garages	1		\$1,423,647.00
Hospital and Institutional	1		\$6,200,000.00
Offices, Banks, and Professional	9		\$4,534,500.00
Public Works and Utilities	2		\$4,300,000.00
Schools and Other Educational	10		\$36,919,599.00
Stores and Customer Services	6		\$4,001,000.00
Other Non-Residential Bldgs.	127		\$22,237,469.00
Structures other than Bldgs.	201		\$32,049,181.00
Residential - (Add, Alter, Convert)	635	23	\$26,491,504.00
Commercial - (Add, Alter, Convert)	183		\$23,240,763.00
Additioins or Res. Garages/Carport	97		\$4,459,265.00
Demo - Single Family Homes	45	45	\$273,841.00
Demo - All Other Bldgs. and Structures	34		\$417,178.00
Repairs to Dwellings	62		\$1,030,926.00
Repairs to Other Bldgs.	23		\$855,919.00
Relocate Residential Bldgs.	7	6	\$220,500.00
Relocate Garages and Other Bldgs.	2		\$12,820.00
Fences, Retaining Wall, Seawalls, etc.	168		\$5,548,841.00
Mechanical Work	1		\$59,554.15
Temporary Structures (Tents, Booths, etc.)	95		\$146,590.00
TOTAL:	2,609		\$447,863,661.15

Source: County of Maui, Department of Public Works, records.

8.1.10

CONSTRUCTION ESTABLISHMENTS BY TYPE AND LOCATION, MAUI COUNTY

Based on primary North American Industry Classification System (NAICS) code and zip code

Establishment Type	Location / Number		Location / Number		Location / Number		Totals	
Land subdivision & land development (NAICS 2331—)								
Makawao	3	Wailuku	2	Hana	1			
Lahaina	2					Total	8	
Residential building construction (NAICS 2332—)								
Haiku	14	Hana	2	Kahului	10			
Kihei	28	Kula	15	Lahaina	11			
Makawao	17	Paia	4	Wailuku	15	Maui subtotal	116	
Kaunakakai	2	Kualapuu	2	Lanai City	1	Total	121	
Nonresidential building construction (NAICS 2333—)								
Haiku	3	Kahului	7	Kihei	4			
Wailuku	5	Lahaina	1	Makawao	1	Maui subtotal	22	
Lanai City	1	Kula	1			Total	23	
Heavy construction (NAICS 234—)								
Kahului	8	Kihei	2	Kula	1			
Lahaina	2	Wailuku	4			Total	17	
Plumbing, heating & AC contractors (NAICS 2351—)								
Haiku	2	Kahului	16	Kihei	14			
Kula	2	Lahaina	6	Makawao	4			
Wailuku	5					Total	49	
Painting & wall covering contractors (NAICS 2352—)								
Haiku	1	Kahului	3	Kihei	8			
Kula	3	Lahaina	3	Makawao	4			
Wailuku	5	Paia	1	Kualapuu	1	Maui subtotal	28	
Lanai City	1					Total	30	
Electrical contractors (NAICS 2353—)								
Kahului	10	Kihei	7	Kula	2			
Lahaina	3	Makawao	4	Hana	1			
Wailuku	10	Kaunakakai	1	Haiku	1	Maui subtotal	38	
Hoolehua	1					Total	40	
Masonry, drywall, insulation, tile contractors (NAICS 2354—)								
Haiku	3	Kahului	4	Kihei	6			
Kula	4	Lahaina	2	Makawao	6			
Wailuku	7					Total	32	
Carpentry & floor contractors (NAICS 2355—)								
Haiku	3	Kahului	4	Kihei	110			
Kula	2	Makawao	6	Wailuku	5	Maui subtotal	33	
Lahaina	1	Kualapuu	1			Total	34	
Roofing, Siding, & Shett metal contractors (NAICS 2356--)								
Haiku	3	Kahului	3	Kihei	3			
Makawao	2	Wailuku	4	Kula	1			
Paia	1					Total	17	
Excavation contractors (NAICS 235930)								
Kahului	1	Kihei	3	Kula	1			
Makawao	1	Wailuku	1			Total	7	
Other special trade contractors (NAICS 2356—, 57—, 58—, 59— except 235930)								
Haiku	1	Kahului	11	Kihei	9			
Kula	2	Lahaina	6	Makawao	2			
Wailuku	9					Total	40	
						Grand Total	418	

NOTE: Pukalani combined with Makawao, and Puunene combined with Kahului.

SOURCE: U.S. Department of Commerce, U.S. Census Bureau, *Zip Code Business Patterns 2002*, on CD-ROM.

8.1.11

ESTIMATED VALUE OF LAND TRANSACTIONS, BY COUNTIES

In thousands of dollars

Year	Maui County	Hawaii County	Kauai County	City and County of Honolulu	State Total
1970	76,462	111,239	24,522	668,003	880,226
1971	71,480	131,267	28,247	812,545	1,043,539
1972	114,634	170,995	80,274	1,142,699	1,508,602
1973	189,958	212,170	85,687	1,441,073	1,928,888
1974	183,760	156,682	65,518	1,305,257	1,711,217
1975	194,478	138,289	47,790	1,064,559	1,445,116
1976	222,214	141,779	56,088	1,312,981	1,733,062
1977	384,122	209,366	87,570	1,471,172	2,152,230
1978	581,485	288,886	162,725	2,017,774	3,050,870
1979	643,711	545,192	277,753	3,009,059	4,475,715
1980	611,607	546,141	317,869	2,749,190	4,224,807
1981	424,994	397,740	298,858	2,078,739	3,200,331
1982	602,464	293,310	203,575	1,911,711	3,011,060
1983	423,712	359,695	154,878	2,333,882	3,272,167
1984	610,385	467,052	137,773	2,549,352	3,764,563
1985	562,563	359,835	274,002	2,581,678	3,778,078
1986	1,080,487	620,157	326,870	4,182,294	5,911,973
1987	1,169,182	641,667	388,442	4,820,850	7,020,141
1988	1,344,818	971,541	446,136	6,705,645	9,468,113
1989	2,446,997	1,671,483	669,875	8,514,926	13,303,281
1990	2,046,874	2,893,086	558,462	8,764,532	14,262,954
1991	1,028,857	983,728	676,826	4,793,933	7,483,344
1992	1,027,394	886,726	345,950	5,590,377	7,850,447
1993	1,753,255	1,345,225	551,138	8,621,058	12,270,676
1994	1,441,528	1,120,254	677,991	7,461,624	10,701,398
1995	847,727	849,799	261,990	4,465,410	6,424,925
1996	990,129	786,192	376,776	3,640,154	5,793,252
1997	1,057,281	851,136	347,399	4,042,187	6,298,003
1998	1,971,082	1,066,148	499,285	3,904,127	7,440,642
1999	1,683,688	1,201,547	589,624	4,836,187	8,311,047
2000	2,316,618	1,548,501	685,700	5,138,547	9,689,367
2001	2,131,623	1,786,101	802,516	5,447,028	10,167,267
2002	2,164,631	2,053,321	810,053	5,783,195	10,811,198

SOURCE: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

8.2.1

SUMMARY HOUSING CHARACTERISTICS, BY COUNTY 2000

[Data includes 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	14.6	29.4	23.8
Structure built before 1940	4.7	6.7	4.4	5.3	4.1
Lacking complete plumbing	1	2.7	0.6	0.9	1
Lacking complete kitchen facilities	1.4	3	1.2	1.6	1.1
Percent with no telephone service ²	2	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	788 ³
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).

8.2.2

SELECTED HOUSING CHARACTERISTICS, MAUI COUNTY

Data include some condominium units used or intended for use by transients

2000	Maui County	Kalawao County
All Housing Units	56,377	172
Units in Structure		
1 unit, detached	31,593	125
1 unit, attached	3,497	0
2 to 4 units	2,887	21
5 to 9 units	7,191	13
10 or more units	11,058	13
Mobile home, boat, other	151	0
Median Number of Rooms	4.0	2.0
Occupied Housing Units		
Total	43,507	115
With 1.01 or more persons per room	7,166	0
Vacant Housing Units		
Total	12,870	57
For seasonal, recreational, or occasional use	9,746	31
Percent of all vacant units	75.7	54.4
Homeowner Vacancy Rate	1.2	100.0
Rental Vacancy Rate	7.2	0.0
Owner-Occupied Housing Units		
Total	25,039	0
Percent of All Occupied Units	57.6	0.0
Average Household Size	3.13	0.00
Value of Specified Owner-Occupied Housing Units¹		
Total	19,953	0
Less than \$100,000	794	0
\$100,000 to \$199,999	5,292	0
\$200,000 to \$299,999	7,455	0
\$300,000 to \$499,999	4,348	0
\$500,000 to \$999,999	1,511	0
\$1,000,000 or more	553	0
Median (dollars)	249,900	0
Renter-Occupied Housing Units		
Total	18,468	115
Average Household Size	2.62	1.28
Gross Rent of Specified Renter-Occupied Units²		
Total	18,319	115
Less than \$300	1,055	13
\$300 to \$499	1,754	0
\$500 to \$749	4,829	25
\$750 to \$999	5,267	0
\$1,000 to \$1,499	3,109	0
\$1,500 or more	971	0
No cash rent	1,334	77
Median (dollars)	788	525

¹ House and lot. Data limited to owner-occupied, one-family, attached and detached houses on less than 10 acres without a business or medical office on the property.

² Includes utilities if paid by renter; excludes one-family, attached and detached houses on 10 acres or more.

SOURCE: U.S. Census Bureau, *Census 2000 Profile of General Demographic Characteristics, Hawaii (DP-1)* and *Profile of Selected Housing Characteristics, Hawaii (DP-4)*.

8.2.3

**HOUSING UNIT CHARACTERISTICS OF
CENSUS DESIGNATED PLACES (CDP),
MAUI COUNTY**

2000	ALL HOUSING UNITS		OCCUPIED HOUSING UNITS	
	Total	Median Number of Rooms	Total	More than One Person per Room
Maui County	56,377	4.0	43,507	7,166
Kalawao County (Kalaupapa)	172	2.0	115	0
Maui Island				
Haiku-Pauwela CDP	2,455	4.6	2,311	313
Haliimaile CDP	260	4.9	254	45
Hana CDP	239	3.5	184	63
Kaanapali CDP	1,770	3.4	550	2
Kahului CDP	6,044	4.0	5,861	1,464
Kapalua CDP	844	3.5	169	22
Kihei CDP	9,401	3.5	6,178	924
Lahaina CDP	3,056	4.3	2,631	642
Maalaea CDP	599	3.5	261	7
Makawao CDP	2,218	4.5	2,154	288
Napili-Honokowai CDP	4,673	3.1	2,624	411
Paia CDP	891	4.7	784	107
Pukalani CDP	2,543	5.0	2,463	365
Waihee-Waiehu CDP	1,889	5.0	1,864	448
Waikapu CDP	360	5.3	351	46
Wailea-Makena CDP	4,871	4.0	2,510	147
Wailuku CDP	4,820	4.4	4,556	691
Molokai				
Kalawao County (Kalaupapa)	172	2.0	115	0
Kaunakakai CDP	962	4.2	872	209
Kualapuu CDP	591	4.8	568	145
Maunaloa CDP	88	4.7	62	17
Lanai				
Lanai City CDP	1,354	3.9	1,161	269

SOURCE: U.S. Census Bureau, *Census 2000 Profile of Selected Housing Characteristics, Hawaii (DP-4)*.

8.2.4

VACANT HOUSING UNIT CHARACTERISTICS BY CENSUS DESIGNATED PLACE (CDP), MAUI COUNTY

2000	All Housing Units	VACANT HOUSING UNITS			
		Total	Seasonal, Recreational or Occasional	Homeowner Vacancy Rate	Rental Vacancy Rate
Maui County	56,377	12,870	9,746	1.2	7.2
Kalawao County (Kalaupapa)	172	57	31	100.0	0.0
Maui Island					
Haiku-Pauwela CDP	2,454	144	63	0.8	2.2
Haliimaile CDP	260	6	0	0.6	1.3
Hana CDP	253	62	18	2.3	30.3
Kaanapali CDP	1,775	1,238	1,205	2.6	6.2
Kahului CDP	6,079	199	29	0.4	2.0
Kapalua CDP	831	645	457	2.4	71.1
Kihei CDP	9,170	3,000	2,442	1.7	8.0
Lahaina CDP	3,027	428	322	0.4	5.3
Maalaea CDP	600	337	272	0.0	33.3
Makawao CDP	2,222	71	20	0.9	1.2
Napili-Honokowai CDP	4,681	2,052	1,704	0.4	13.6
Paia CDP	890	107	63	1.3	6.5
Pukalani CDP	2,522	83	18	1.0	1.6
Waihee-Waiehu CDP	1,909	45	4	0.7	2.3
Waikapu CDP	360	13	0	1.5	2.4
Wailea-Makena CDP	5,099	2,579	2,401	4.5	2.5
Wailuku CDP	4,780	245	52	1.2	3.7
Molokai					
Kalawao County (Kalaupapa)	172	57	31	100.0	0.0
Kaunakakai CDP	962	95	28	2.4	7.7
Kualapuu CDP	592	28	7	1.1	6.8
Maunaloa CDP	91	26	1	33.3	24.0
Lanai					
Lanai City CDP	1,343	195	66	0.9	7.1

SOURCE: U.S. Census Bureau, *Census 2000 Profiles of General Demographic Characteristics, Hawaii (DP-1)*.

8.2.5

OCCUPIED HOUSING UNIT CHARACTERISTICS BY CENSUS DESIGNATED PLACE (CDP), MAUI COUNTY

2000	All Housing Units	OCCUPIED HOUSING UNITS			AVERAGE HOUSEHOLD SIZE	
		Total	by Owner	by Renter	Owner- Occupied Units	Renter- Occupied Units
Maui County	56,377	43,507	25,039	18,468	3.13	2.62
Kalawao County (Kalaupapa)	172	115	0	115	0.00	1.28
Maui Island						
Haiku-Pauwela CDP	2,454	2,310	1,416	894	3.01	2.54
Haliimaile CDP	260	254	176	78	3.45	3.68
Hana CDP	253	191	129	62	3.84	3.44
Kaanapali CDP	1,775	537	416	121	2.58	2.48
Kahului CDP	6,079	5,880	3,190	2,690	3.43	3.13
Kapalua CDP	831	186	120	66	2.35	2.80
Kihei CDP	9,170	6,170	3,007	3,163	3.00	2.42
Lahaina CDP	3,027	2,599	1,393	1,206	4.05	2.87
Maalaea CDP	600	263	151	112	1.74	1.71
Makawao CDP	2,222	2,151	1,207	944	3.18	2.63
Napili-Honokowai CDP	4,681	2,629	1,128	1,501	2.92	2.32
Paia CDP	890	783	523	260	3.26	2.78
Pukalani CDP	2,522	2,439	1,600	839	3.13	2.84
Waihee-Waiehu CDP	1,909	1,864	1,526	338	4.07	3.21
Waikapu CDP	360	347	264	83	3.26	3.07
Wailea-Makena CDP	5,099	2,520	1,386	1,134	2.34	2.14
Wailuku CDP	4,780	4,535	2,675	1,860	2.87	2.49
Molokai						
Kalawao County (Kalaupapa)	172	115	0	115	0.00	1.28
Kaunakakai CDP	962	867	531	336	3.34	2.79
Kualapuu CDP	592	564	441	123	3.49	3.22
Maunaloa CDP	91	65	8	57	4.63	3.39
Lanai						
Lanai City CDP	1,343	1,148	571	577	2.91	2.59

SOURCE: U.S. Census Bureau, *Census 2000 Profiles of General Demographic Characteristics, Hawaii* (DP-1).

8.2.6

**OWNER-OCCUPIED HOUSING UNIT VALUES BY
CENSUS DESIGNATED PLACE (CDP), MAUI COUNTY**

2000	SPECIFIED OWNER-OCCUPIED HOUSING UNITS						
	Total	Less than \$100,000	\$100,000 to \$199,000	\$200,000 to \$299,000	\$300,000 to \$499,000	\$500,000 to \$999,000	\$1,000,000 or more
Maui County	19,953	794	5,292	7,455	4,348	1,511	553
Kalawao County (Kalaupapa)	0	0	0	0	0	0	0
Maui Island							
Haiku-Pauwela CDP	1,171	20	234	329	368	210	10
Haliimaile CDP	169	12	74	73	10	0	0
Hana CDP	126	12	41	41	21	7	4
Kaanapali CDP	190	0	7	11	21	112	39
Kahului CDP	2,827	41	977	1,444	359	6	0
Kapalua CDP	49	2	3	6	12	3	23
Kihei CDP	1,755	23	396	912	348	8	68
Lahaina CDP	1,331	37	249	641	278	67	59
Maalaea CDP	13	0	3	3	0	3	4
Makawao CDP	1,117	36	327	513	197	40	4
Napili-Honokowai CDP	631	0	38	311	199	50	33
Paia CDP	477	14	204	167	41	32	19
Pukalani CDP	1,483	38	222	789	423	11	0
Waihee-Waiehu CDP	1,433	31	615	567	190	22	8
Waikapu CDP	258	9	71	131	45	2	0
Wailea-Makena CDP	855	0	27	131	251	351	95
Wailuku CDP	2,070	109	568	711	530	124	28
Molokai							
Kalawao County (Kalaupapa)	0	0	0	0	0	0	0
Kaunakakai CDP	493	59	353	67	9	5	0
Kualapuu CDP	340	126	158	29	14	9	4
Maunaloa CDP	7	2	5	0	0	0	0
Lanai							
Lanai City CDP	547	114	339	63	14	9	8

SOURCE: U.S. Census Bureau, *Census 2000 Profile of Selected Housing Characteristics, Hawaii (DP-4)*.

8.2.7

RENTER-OCCUPIED HOUSING UNIT CHARACTERISTICS BY CENSUS DESIGNATED PLACE (CDP), MAUI COUNTY

2000 Division and Place	ALL RENTER-OCCUPIED HOUSING UNITS			
	Total	One Unit, Detached or Attached	Persons Per Unit	Mean Number of Rooms
Maui County Total	14,062	9,423	2.66	3.6
Haiku-Pauwela division	764	713	2.70	3.7
Haiku-Pauwela CDP	614	570	2.68	3.8
Hana division	257	234	2.75	3.3
Hana CDP	69	59	3.06	3.5
Kahului division	1,996	1,397	2.91	3.4
Kahului CDP (part)	1,996	1,397	2.91	3.4
Kihei division	2,412	1,301	2.46	3.5
Kihei CDP	2,074	1,163	2.48	3.5
Maalaea CDP	117	11	1.86	3.0
Wailea-Makena CDP (part)	219	125	2.59	4.2
Kula division	1,217	1,088	2.40	3.8
Wailea-Makena CDP (part)	479	394	2.20	3.6
Lahaina division	2,564	1,041	2.56	3.3
Kaanapali CDP	88	20	2.27	3.7
Kapalua CDP	51	12	2.16	3.4
Lahaina CDP	1,313	802	2.91	3.6
Napili-Honokowai CDP	1,087	187	2.16	2.8
Makawao-Paia division	1,684	1,547	2.80	4.1
Haliimaile CDP	58	54	3.40	3.8
Makawao CDP	637	583	2.83	4.1
Paia CDP	200	175	2.53	4.1
Pukalani CDP	626	590	2.95	4.2
Puunene division	47	43	3.21	4.6
Kahului CDP (part)	47	43	3.21	4.6
Spreckelsville division	37	36	2.11	4.1
Kahului CDP (part)	–	–	–	–
Waihee-Waikapu division	191	170	3.24	4.2
Waihee-Waiehu CDP (part)	84	74	3.19	4.1
Waikapu CDP	72	64	3.01	4.2
Wailuku CDP (part)	10	9	3.30	5.8
Wailuku division	1,758	955	2.64	3.4
Waihee-Waiehu CDP (part)	115	102	3.43	4.0
Wailuku CDP (part)	1,643	853	2.58	3.4
East Molokai division	511	361	2.65	3.3
Kaunakakai CDP	304	203	2.40	3.5
West Molokai division	239	212	3.35	4.0
Kualapuu CDP	98	98	3.50	3.5
Maunaloa CDP	118	106	3.43	4.6
Lanai division	385	325	2.73	4.3
Lanai City CDP	376	318	2.74	4.3

NOTE: 2000 data not released as of August 30, 2002. Check our website for updates. <http://www.brl-sbdc.org/brlprod.htm>.

SOURCE: U.S. Census Bureau, *1990 Census of Population and Housing, Summary Population and Housing Characteristics, Hawaii*, 1990 CPH-1-13 (August 1991), table 11.

8.2.8

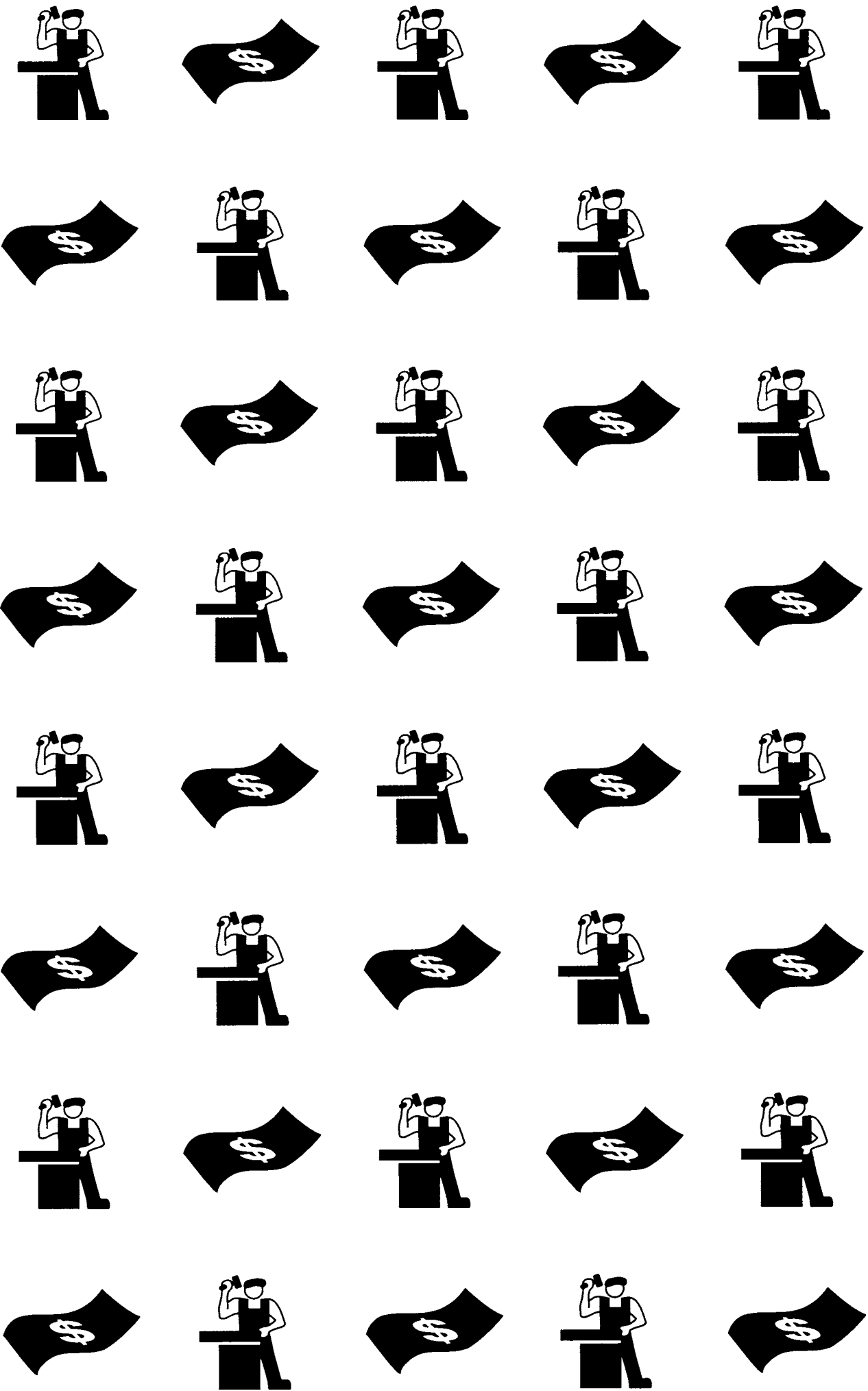
GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY CENSUS DESIGNATED PLACE (CDP), MAUI COUNTY

2000	SPECIFIED RENTER-OCCUPIED HOUSING UNITS PAYING CASH RENT						
	Total	Less than \$300 ¹	\$300 to \$499	\$500 to \$749	\$750 to \$999	\$1,000 to \$1,499	\$1,500 or more
Maui County	18,319	2,389	1,754	4,829	5,267	3,109	971
Kalawao County (Kalaupapa)	115	90	0	25	0	0	0
Maui Island							
Haiku-Pauwela CDP	917	139	46	219	334	144	35
Haliimaile CDP	74	16	15	7	17	17	2
Hana CDP	49	8	8	23	5	3	2
Kaanapali CDP	149	15	0	3	0	26	105
Kahului CDP	2,672	502	358	1,008	480	297	27
Kapalua CDP	52	2	3	13	6	13	15
Kihei CDP	3,142	162	188	874	1,190	632	96
Lahaina CDP	1,190	142	130	207	371	237	103
Maalaea CDP	144	20	0	23	59	39	3
Makawao CDP	959	134	84	174	341	163	63
Napili-Honokowai CDP	1,490	109	62	321	656	260	82
Paia CDP	265	27	28	79	46	68	17
Pukalani CDP	850	64	21	202	230	251	82
Waihee-Waiehu CDP	331	129	20	63	52	37	30
Waikapu CDP	73	5	9	28	21	10	0
Wailea-Makena CDP	1,127	103	9	164	430	279	142
Wailuku CDP	1,877	231	227	811	374	197	37
Molokai							
Kalawao County (Kalaupapa)	115	90	0	25	0	0	0
Kaunakakai CDP	337	107	69	86	65	10	0
Kualapuu CDP	115	41	10	37	21	6	0
Maunaloa CDP	55	3	9	33	7	3	0
Lanai							
Lanai City CDP	584	119	270	109	69	17	0

¹ Includes no cash rent.

SOURCE: U.S. Census Bureau, *Census 2000 Profile of Selected Housing Characteristics, Hawaii (DP-4)*.

Finance & Labor



Section 9

FINANCE & LABOR

Part one of this section presents statistics on the financial institutions on Maui. Part two includes figures for Maui County's labor force.

The civilian labor force for 2003 was 75,750 and the number of employed was 72,400. The unemployment rate increased 0.2% between 2002 and 2003.

Data for this section came from the Hawaii State Department of Business, Economic Development and Tourism, the Hawaii Credit Union League, and the Hawaii Department of Industrial Labor and Relations.

9.1.1

FINANCIAL INSTITUTIONS WITH LOCATIONS IN MAUI COUNTY

As of December 31, 2003

	Maui	Molokai	Lanai
Banks			
Firms	5	1	2
Locations	24	1	2
Savings and Loans Associations			
Associations	2	1	–
Locations	10	1	–
Financial Services Loan Companies (depository and non-depository)			
Firms	7	1	–
Locations	9	1	–
Escrow Depository Companies			
Firms	7	–	–
Locations	19	–	–

SOURCE: Hawaii State Department of Commerce and Consumer Affairs, Division of Financial Institutions, *2003 Annual Report*.

9.1.2

DEPOSITS IN OFFICES OF FDIC-INSURED INSTITUTIONS, MAUI COUNTY

In thousands of dollars

Location	TOTAL DEPOSITS AS OF JUNE 30					
	1999	2000	2001	2002	2003	2004
Hana	2,833	3,281	3,340	3,995	4,092	4,658
Kahului	507,291	531,188	543,692	586,703	649,545	734,996
Kihei	170,478	140,741	219,287	226,882	279,988	344,705
Lahaina	232,856	267,538	264,335	276,877	301,879	348,892
Pukalani	102,084	111,115	119,224	125,990	141,839	162,069
Paia	23,666	25,630	28,011	30,576	37,727	41,200
Wailuku	230,293	219,754	224,091	219,942	225,810	257,771
Kaunakakai	49,609	49,474	50,446	49,839	50,869	60,911
Lanai City	23,411	24,368	25,276	26,214	26,935	27,153
Total	1,342,521	1,373,089	1,477,702	1,547,018	1,718,684	1,982,355

Notes: Office locations were determined by zip code. FDIC-Insured institutions are commercial banks and savings associations. Deposits include savings and checking accounts, certificates of deposit, IRAs and Keogh Plans, trust funds and escrow accounts. See "deposits" in the glossary accompanying the Reports of Condition and Income instructions for the precise definition.

SOURCE: Federal Deposit Insurance Corporation, *FDIC/OTS Summary of Deposits* (annual), database available at <http://www.fdic.gov>.

9.1.3

FEDERAL CREDIT UNIONS BY ASSET SIZE, MEMBERSHIP AND LOANS, MAUI COUNTY

December 2002	Location	County Rank	State Rank	Assets (dollars)	Loans (dollars)	Members
Maui County Employees	Wailuku	1	13	118,602,987	41,401,538	9,588
Valley Isle Community	Kahului	2	16	61,675,899	17,046,033	7,919
Kahului	Kahului	3	23	45,977,186	14,242,388	4,959
Maui Land & Pine	Kahului	4	24	45,112,757	13,495,471	5,997
Kula Community	Kula	5	33	31,474,680	14,014,493	3,659
Wailuku	Wailuku	6	37	27,955,619	10,880,950	3,775
Maui Teachers	Wailuku	7	41	25,076,426	1,939,450	1,679
West Maui Community	Lahaina	8	43	24,686,744	2,694,850	2,048
Lanai	Lanai City	9	49	19,673,259	2,282,787	2,147
Molokai Community	Kaunakakai	10	65	11,548,690	5,813,988	3,396
Lahaina	Lahaina	11	76	6,864,371	2,304,123	2,291
Kulia Ohana	Wailuku	12	81	4,626,763	2,700,965	998
First Hawaiian Homes	Hoolehua	13	93	1,970,640	1,046,668	934
Maui County Total				425,246,021	129,863,704	49,390
Statewide Total				6,016,158,791	2,531,788,633	703,475

SOURCE: National Credit Union Administration, Call Report Data Files under FOIA for December 2003 (final).

9.1.4

FEDERAL CREDIT UNION CHARACTERISTICS, MAUI COUNTY

	2000	2001	2002	2003
Number of Credit Unions	13	13	13	13
Total Members	44,709	46,904	48,487	49,390
Total Assets	271,511,009	321,517,593	370,758,888	425,246,021
Total Shares and Deposits	220,905,762	268,250,700	313,559,880	363,998,927
Number of Share and Deposit Accounts	53,503	57,258	60,461	62,842
Total Loans	108,913,023	119,344,751	125,551,665	129,863,704
Number of Loans	12,607	12,875	12,675	12,410

SOURCE: National Credit Union Administration, Call Report Data Files under FOIA (final), December 2000, 2001, 2002 and 2003.

9.2.1

CIVILIAN LABOR FORCE SUMMARY, STATE OF HAWAII AND COUNTIES

Annual averages

	Maui County	Hawaii County	Kauai County	City & County of Honolulu	State of Hawaii
Civilian Labor Force					
1996	68,050	67,250	29,000	429,350	593,600
1997	69,250	68,750	28,600	428,100	594,700
1998	69,950	68,600	28,650	427,150	594,350
1999	71,400	69,400	28,900	423,150	592,800
2000 r	72,950	71,100	29,750	430,200	604,000
2001 r	76,150	74,100	30,350	438,950	619,550
2002 r	74,450	73,100	29,650	429,350	606,500
2003	75,750	75,350	30,750	436,450	618,300
Employed					
1996	63,050	60,550	25,450	406,650	555,750
1997	64,050	61,750	25,400	405,450	556,650
1998	65,200	61,950	25,800	404,250	557,200
1999	67,300	63,350	26,650	402,250	559,600
2000 r	69,850	66,400	27,850	414,100	578,200
2001 r	72,600	69,050	28,200	421,250	591,100
2002 r	71,150	68,900	28,050	412,650	580,750
2003	72,400	70,650	29,250	419,550	591,800
Unemployed					
1996	4,950	6,650	3,550	22,700	37,850
1997	5,200	7,000	3,250	22,650	38,050
1998	4,750	6,600	2,850	22,950	37,150
1999	4,050	6,050	2,200	20,900	33,200
2000 r	3,550	4,750	1,900	16,100	25,800
2001 r	3,550	5,050	2,100	17,750	28,450
2002 r	3,300	4,200	1,600	16,700	25,750
2003	3,350	4,700	1,550	16,900	26,500
Percent Unemployed					
1996	7.3	9.9	12.2	5.3	6.4
1997	7.5	10.2	11.3	5.3	6.4
1998	6.8	9.6	9.9	5.4	6.2
1999	5.7	8.7	7.7	4.9	5.6
2000 r	4.2	6.7	6.5	3.7	4.3
2001 r	4.7	6.8	7.0	4.0	4.6
2002 r	4.4	5.7	5.4	3.9	4.2
2003	4.4	6.3	5.0	3.9	4.3

NOTE: Except for percent unemployed, data rounded to nearest 50. Totals may not add due to rounding.
r: Revised.

SOURCE: Hawaii State Department of Labor and Industrial Relations, , and records.

9.2.2

**EMPLOYMENT STATUS OF THE CIVILIAN LABOR FORCE
BY ISLAND, MAUI COUNTY**

Annual averages

	Maui County	Maui	Molokai	Lanai
Civilian Labor Force				
1988	52,750	49,200	2,450	1,050
1989	55,000	51,300	2,250	1,450
1990	56,500	52,400	2,700	1,400
1991	61,500	57,300	2,650	1,550
1992	65,900	61,250	3,050	1,600
1993	66,000	61,600	2,850	1,550
1994 ¹	65,800	61,400	2,900	1,500
1995	65,800	61,200	2,950	1,600
1996	68,050	63,250	3,100	1,650
1997	69,250	64,700	2,850	1,700
1998	69,950	65,350	2,950	1,650
1999	71,400	66,650	3,000	1,750
2000 r	72,950	68,150	2,950	1,850
2001 r	76,150	71,600	2,650	1,900
2002 r	74,450	70,100	2,500	1,800
2003	75,750	71,400	2,600	1,750
Civilian Employment				
1988	51,000	47,800	2,250	950
1989	53,550	50,200	2,050	1,300
1990	53,800	50,300	2,200	1,300
1991	58,200	54,350	2,400	1,450
1992	60,250	56,200	2,550	1,500
1993	62,500	58,500	2,600	1,400
1994 ¹	61,300	57,350	2,600	1,350
1995	61,000	56,850	2,600	1,550
1996	63,050	58,900	2,600	1,550
1997	64,050	60,000	2,450	1,600
1998	65,200	61,100	2,500	1,600
1999	67,300	63,100	2,550	1,650
2000 r	69,850	65,550	2,500	1,800
2001 r	72,600	68,500	2,300	1,800
2002 r	71,150	67,100	2,300	1,700
2003	72,400	68,400	2,250	1,700

9.2.2

CONTINUED

	Maui County	Maui	Molokai	Lanai
Civilian Unemployment				
1988	1,750	1,450	200	100
1989	1,450	1,100	200	100
1990	2,700	2,100	500	100
1991	3,300	2,950	250	100
1992	5,650	5,050	500	150
1993	3,450	3,100	250	150
1994 ¹	4,500	4,050	300	100
1995	4,800	4,400	350	100
1996	4,950	4,400	500	100
1997	5,200	4,650	400	100
1998	4,750	4,250	450	50
1999	4,050	3,550	450	100
2000 r	3,050	2,550	450	50
2001 r	3,550	3,100	350	100
2002 r	3,300	3,000	200	100
2003	3,350	3,000	300	50
Unemployment Rate				
1988	3.3	2.9	8.8	7.5
1989	2.6	2.2	9.8	8.3
1990	4.8	4.1	18.1	5.9
1991	5.4	5.1	10.1	6.7
1992	8.6	8.3	16.0	7.8
1993	5.3	5.0	8.4	8.9
1994 ¹	6.8	6.6	10.8	7.1
1995	7.3	7.2	11.4	5.3
1996	7.3	6.9	15.9	5.8
1997	7.5	7.2	14.8	5.9
1998	6.8	6.5	14.9	3.5
1999	5.7	5.3	14.4	4.4
2000 r	4.2	3.8	14.8	3.4
2001 r	4.7	4.4	13.9	4.5
2002 r	4.4	4.3	8.5	4.7
2003	4.4	4.2	12.0	3.4

NOTE: Except for percent unemployed, data rounded to nearest 50. Totals may not add due to rounding.

¹ Data beginning 1994 may not be strictly comparable to previous years.

r: Revised.

SOURCE: Hawaii State Department of Labor and Industrial Relations,, and records.

9.2.3

LABOR FORCE BY RACE AND SEX, MAUI COUNTY

Race or Sex, 2003	Civilian Labor Force	Employ- ed	Un- employed	PERCENT DISTRIBUTION			Unem- ployment Rate
				Civilian Labor Force	Employ- ed	Un- employed	
Both Sexes (INCL. HISPANIC)	75,750	72,400	3,350	100.0%	100.0%	100.0%	4.4%
White	30,100	28,900	1,250	39.8	39.9	37.0	4.1
Black/African American	300	300	*	0.4	0.4	0.3	3.1
Amer. Indian/ Alaskan Native	350	300	*	0.4	0.4	0.7	7.7
Asian	21,800	21,200	600	28.8	29.3	17.4	2.7
Native Hawaiian/ Pacific Islander	7,300	6,600	700	9.6	9.1	20.7	9.5
Some other Race	1,100	1,100	*	1.5	1.5	0.1	0.4
Two or more Races	14,850	14,050	800	19.6	19.4	23.8	5.4
Minority Group	45,600	43,500	2,100	60.2	60.1	63.0	4.6
Hispanic or Latino	5,150	4,850	300	6.8	6.7	9.0	5.9
Females (incl. Hispanic)	35,450	34,000	1,400	100.0%	100.0%	100.0%	4.0%
White	13,400	12,850	550	37.9	37.8	39.9	4.2
Black/African American	100	100	*	0.3	0.3	0.7	7.9
American Indian/ Alaskan Native	150	150	*	0.4	0.4	0.9	8.6
Asian	10,700	10,500	200	30.2	30.9	12.8	1.7
Native Hawaiian/ Pacific Islander	3,450	3,100	350	9.7	9.2	23.1	9.4
Some other Race	450	450	0	1.2	1.3	0.0	0.0
Two or more Races	7,150	6,850	300	20.2	20.1	22.5	4.4
Minority Group	22,000	21,150	850	62.1	62.2	2.5	3.8
Hispanic or Latino	2,350	2,200	150	6.6	6.4	9.6	5.8
Females as a percent of both sexes	46.80%	47.00%	41.90%				

* Less than 25.

Note: Totals may not add due to rounding.

Includes Kalawao County

Source: Labor Force Estimates from 2003 *Annual Local Area Unemployment Statistics* (LAUS), based on 2000 Census.

9.2.4

ANNUAL AVERAGE JOBCOUNT BY INDUSTRY AND ISLAND, MAUI COUNTY

Industry, 2003	Maui County	Maui	Molokai	Lanai
TOTAL NONAGRICULTURAL				
WAGE & SALARY JOBS	63,400	60,150	1,750	1,500
Total Private	54,700	52,250	1,200	1,300
Total Goods Producing	4,600	4,450	*	100
Natural Resources & Mining & Constr.	3,000	2,900	*	100
Manufacturing	1,600	1,600	*	0
Durable Goods	300	300		
Non-Durable Goods	1,300	1,250		
Total Service-Providing	58,800	55,700	1,700	1,400
Trade, Transportation & Utilities	13,150	12,700	300	150
Wholesale Trade	1,150	1,150	*	*
Retail Trade	8,900	8,550	200	100
Food & Beverage Stores	1,800	1,650	150	*
Clothing & Clothing Accessories	1,450	1,450	50	
General Merchandise	1,350	1,350		
Transp., Warehousing & Utilities	3,150	3,000		50
Air Transportation	900	850	*	*
Information	900	900	*	0
Telecommunications	400	400		
Financial Activities	2,900	2,700	50	100
Finance & Insurance	850	800	*	*
Professional & Business Svcs	5,350	5,100	*	200
Prof., Scientific & Tech. Svcs.	1,300	1,300	*	*
Admin. & Support & Waste Mgmt.	3,700	3,650		
Education & Health Services	4,800	4,400	350	*
Education Services	750	750	300	
Health Care & Social Assistance	4,000	3,700		*
Leisure and Hospitality	20,400	19,400	300	700
Arts, Entertainment & Recreation	1,950	1,850	*	100
Accommodation & Food Svcs.	18,450	17,550	300	600
Accommodation	11,100	10,350	200	550
Food Services and Drinking Places	7,350	7,200	100	*
Full-Service Restaurants	4,950	4,950	*	*
Other Services	2,700	2,550	100	*
Total Government	8,700	7,900	550	200
Federal Government	800	750	*	*
Department of Defense	*	*		
State Government	5,700	5,150	400	150
State Education (DOE & UH)	3,100	275	250	100
Local Government	2,150	2,000	150	*
Agriculture	1,850	1,750	100	*

NOTE: Data rounded to nearest 50. Totals may not add due to rounding or residual categories.

* Fewer than 50.

Source: Hawaii State Department of Labor and Industrial Relations.

9.2.5

AVERAGE WEEKLY WAGE FOR THE TOP 10 MOST COMMON OCCUPATIONS, MAUI COUNTY

Maui Rank	Occupation	Maui County		
		Estimated Employees	Avg. Weekly Wage	Avg. Weekly Wage (Statewide)
1	Hotels (except Casino Hotels) and Motels	10,698	\$590	\$570
2	Full-Service Restaurants	4,976	\$349	\$299
3	Limited-Service Restaurants	1,743	\$236	\$238
4	Grocery Stores	1,502	\$446	\$395
5	Offices of Physicians	1,122	\$1,008	\$1,084
6	Department Stores	966	\$368	\$339
7	Travel Arrangement & Reservation Service	965	\$464	\$482
8	Services to Buildings and Dwellings	953	\$387	\$362
9	Professional and Similar Organizations	909	\$491	\$504
10	Scheduled Air Transportation	711	\$509	\$852
Total, All Industries		63,711	\$570	\$628

Source: State of Hawaii, Department of Labor and Industrial Relations, Research and Statistics Office, *Annual Employment and Payrolls by Detailed Industry*, Calendar Year 2002 (NAICS-based)

9.2.6

AVERAGE WEEKLY WAGES FOR THE TOP 10 PAYING INDUSTRIES, MAUI COUNTY

Maui Rank	Industry	Number of Establishments	Maui County		
			Average Employment	Avg. Weekly Wages	Avg. Weekly Wages (Statewide)
1	Nondepository Credit Intermediation	20	67	\$1,307	\$1,316
2	Cement & Concrete Product Manufacturing	5	114	\$1,212	\$1,021
3	Petroleum Merchant Wholesalers	6	52	\$1,199	\$995
4	Land Subdivision	21	91	\$1,153	\$1,196
5	Activities Rel to Credit Intermediation	15	52	\$1,110	\$1,044
6	Nonresidential Building Construction	35	385	\$1,052	\$1,153
7	Computer Systems Design and Rel Services	27	38	\$1,042	\$1,028
8	Automobile Dealers	12	402	\$1,039	\$885
9	Nonscheduled Air Transportation	3	81	\$1,038	\$868
10	Scientific Research and Development Svc.	19	155	\$1,031	\$1,048

Source: State of Hawaii, Department of Labor and Industrial Relations, Research and Statistics Office, *Annual Employment and Payrolls by Detailed Industry*, Calendar Year 2002 (NAICS-based)

9.2.7

BEST JOB OPPORTUNITIES IN 2010, MAUI COUNTY

Employment Postion	2002-2010 Total Job Openings	Annual Growth Rate	2001 Mean Annual Wages
Long Term Preparation (At least a bachelor's degree or higher, may need work experience)			
Secondary School Teachers, Except Special & Vocational Education	280	2.10%	\$40,453
General & Operations Managers	270	1.90%	\$72,547
Elementary School Teachers, Exc. Special Education	240	1.60%	\$41,183
Special Education Teachers, Preschool, Kindergarten, & Elementary School	110	3.80%	\$34,217
Accountants & Auditors	110	2.30%	\$44,654
Sales Managers	100	3.70%	\$64,051
Property, Real Estate, & Community Association Managers	90	2.10%	\$51,571
Marriage and Family Therapists	80	4.60%	\$33,318*
Child, Family, & School Social Workers	70	3.80%	\$36,740
Financial Managers	70	2.20%	\$65,002
Middle Level Preparation (More than one year to less than four years of training or education)			
Cooks, Restaurant	430	0.90%	\$27,674
First-Line Supervisors/Mgrs of Retail Sales Workers	350	2.30%	\$33,468
Registered Nurses	280	2.60%	\$52,309
First-Line Supervisors/Managers of Food Preparation & Serving Workers	280	1.70%	\$38,676
First-Line Supervisors/Managers of Office & Administrative Support Workers	210	1.50%	\$38,591
Maintenance & Repair Workers, General	190	1.00%	\$31,967
First-Line Supervisors/Managers of Housekeeping & Janitorial Workers	130	2.40%	\$32,758
Carpenters	120	1.30%	\$51,589
Radiologic Technologists & Technicians	110	2.20%	\$46,874
Bakers	100	3.70%	\$26,458
Short Term Preparation (From one month to twelve months of training or education)			
Medical Assistants	260	5.60%	\$23,229
Bookkeeping, Accounting, & Auditing Clerks	220	1.00%	\$29,542
Customer Service Representatives	190	3.60%	\$28,714
Laundry & Dry-Cleaning Workers	150	2.40%	\$23,834
Truck Drivers, Heavy & Tractor-Trailer	140	1.40%	\$33,623
Bus Drivers, Transit & Intercity	120	2.40%	\$21,934
Executive Secretaries & Administrative Assistants	120	1.60%	\$36,157
Secretaries, Except Legal, Medical, & Executive	120	0.30%	\$28,836
Construction Laborers	110	2.20%	\$38,936
Operating Engineers & Other Construction Equipment Operators	110	1.40%	\$47,744
Little Preparation (Less than one month of trianing, usually on the job)			
Combined Food Preparation & Serving Workers, Including Fast Food	1,850	3.60%	\$17,317
Retail Salespersons	1,740	2.70%	\$22,056
Waiters & Waitresses	1,680	0.40%	\$20,995
Cashiers	1,470	2.30%	\$18,605
Maids & Housekeeping Cleaners	1,320	2.70%	\$24,980
Landscaping & Groundskeeping Workers	640	2.60%	\$23,848
Janitors & Cleaners, Except Maids & Housekeeping Cleaners	510	1.90%	\$21,016
Office Clerks, General	470	2.20%	\$25,066
Counter Attendants, Cafeteria, Food Concession, & Coffee Shop	450	2.20%	\$19,949
Hotel, Motel, & Resort Desk Clerks	440	3.70%	\$29,435
Security Guards	440	3.50%	\$22,122

* State wage

Source: State of Hawaii, Department of Labor and Industrial Relations, Research and Statistics Office. *Best Job Opportunites in 2010.*

9.3.1
CHARACTERISTICS OF THE INSURED UNEMPLOYED
IN MAUI COUNTY 2002

(All Claimants)

Characteristic	Maui/Lanai Annual Average	Percent of Total	Molokai Annual Average	Percent of Total
TOTAL	1,441	100.0	119	100.0
SEX				
Male	831	57.7	70	58.8
Female	610	42.3	49	41.2
INDUSTRY				
State	43	3.0	12	10.1
County	3	0.2	2	1.7
Agriculture	20	1.4	37	31.1
Mining	0	0.0	1	0.8
Utilities	0	0.0	1	0.8
Construction	304	21.1	15	12.6
Manufacturing	12	0.8	1	0.8
Wholesale	17	1.2	0	0.0
Retail Trades	87	6.0	4	3.4
Transp/Warehsg	71	4.9	4	3.4
Information	17	1.2	0	0.0
Finance/Insurance	8	0.6	0	0.0
Real Estate/Rental	35	2.4	1	0.8
Prf/Sci/Tech	24	1.7	2	1.7
Management	1	0.1	0	0.0
Admn-Waste-Mgmt	117	8.1	6	5.0
Education	6	0.4	1	0.8
Health/Social	55	3.8	4	3.4
Arts/Entertainment	32	2.2	2	1.7
Accommodation/Food	336	23.3	11	9.2
Other-Services	40	2.8	4	3.4
Public-Admin	1	0.1	0	0.0
Info. not available	212	14.6	11	9.2
AGE				
Under 22	30	2.1	4	3.4
22 to 24	65	4.5	8	6.7
25 to 34	341	23.7	26	21.8
35 to 44	420	29.1	27	22.7
45 to 54	398	27.6	31	26.1
55 to 64	162	11.2	18	15.1
65 and over	25	1.7	5	4.2

9.3.1

(CONTINUED)

Characteristic	Maui/Lanai Annual Average	Percent of Total	Molokai Annual Average	Percent of Total
DURATION				
1-4 weeks	511	35.5	47	39.5
5-14 weeks	511	35.5	42	35.3
15 and over	419	29.1	30	25.2
OCCUPATION				
Management	84	5.8	2	1.7
Business/Fin	11	0.8	1	0.8
Computer/Math	8	0.6	1	0.8
Architec/Engr	2	0.1	0	0.0
Life/Phys/SocSci	10	0.7	1	0.8
Community/SocSvc	19	1.3	1	0.8
Legal	2	0.1	0	0.0
Ed/Train/Libr	21	1.5	6	5.0
Arts/Entertain/Sports	20	1.4	0	0.0
HealthcarePractice	11	0.8	1	0.8
HealthcareSupport	17	1.2	1	0.8
ProtectiveSvc	14	1.0	5	4.2
Food Prep/Svc	180	12.5	8	6.7
Bldg/Grnd-Mntc	50	3.5	10	8.4
Pers-Care-Svc	101	7.0	2	1.7
Sales-Related	122	8.5	4	3.4
Ofc/Admin-Support	175	12.1	9	7.6
Farm/Fish/Forestry	17	1.2	36	30.3
Construction/Extrct	187	13.0	10	8.4
InstalRepair	29	2.0	5	4.2
Production	19	1.3	1	0.8
Trans/Moving	67	4.6	5	4.2
Info. not available	275	19.1	10	8.4
ETHNICITY				
Amer. Indian	6	0.4	0	0.0
Chinese	10	0.7	1	0.8
Filipino	221	15.3	34	28.6
Japanese	92	6.4	2	1.7
Other Asians	11	0.8	0	0.0
Black	14	1.0	1	0.8
Hawaiian	154	10.7	61	51.3
Oth Pac Islander	13	0.9	1	0.8
White & Latino	699	48.5	10	8.4
Others	219	15.2	9	7.6
Info. not available	2	0.1	0	0.0

Source: Research and Statistics Office, Hawaii Department of Labor and Industrial Relations, Labor and Occupational Information Hawaii (LO'IHI), *The Characteristics of the Insured Unemployed in Hawaii 2002*.

9.3.2

**LABOR FORCE STATUS AND EMPLOYMENT
CHARACTERISTICS, MAUI COUNTY**

LABOR FORCE STATUS	1990	2000
Persons 16 years and over	76,121	99,326
In labor force	55,169	66,307
Civilian labor force	55,112	66,219
Employed	53,618	62,935
Unemployed	1,494	3,284
Percent of Labor Force	2.7	5.0
Armed Forces	57	88
Not in labor force	20,952	33,019
Males 16 years and over	38,747	49,448
In labor force	30,411	35,349
Civilian labor force	30,354	35,261
Employed	29,479	33,352
Unemployed	875	1,909
Percent of Labor Force	2.9	5.4
Armed Forces	57	88
Not in labor force	8,336	14,099
Females 16 years and over	37,374	49,878
In labor force	24,758	30,958
Civilian labor force	24,758	30,958
Employed	24,139	29,583
Unemployed	619	1,375
Percent of Labor Force	2.5	4.4
Armed Forces	0	0
Not in labor force	12,616	18,920
Persons 16 to 19 years	4,861	6,843
Not enrolled in school and not high school graduate	532	539
Employed or in Armed Forces	328	2,476
Unemployed	60	463
Not in labor force	144	3,904

Source: U.S. Census Bureau, *Summary File 3, 1990: Profile of Selected Economic Characteristics. 2000: DP-3 Profile of Selected Economic Characteristics, QT-P19 School Enrollment, QT-P24 Employment Status by Sex.*

9.3.3
LABOR FORCE STATUS, BY CENSUS DESIGNATED PLACE, MAUI COUNTY 2000

Census Designated Place	Total:	Civilian Labor force					
		Armed forces	Not in labor force	Total	Em- ployed	Unem- ployed	%Unem- ployed
Haiku-Pauwela	5,130	0	1,805	3,325	3,155	170	5.1
Haliimaile	743	0	276	467	445	22	4.7
Hana	488	0	141	347	320	27	7.8
Kaanapali	1,181	2	519	660	641	19	2.9
Kahului	15,488	37	6,547	8,904	8,365	539	6.1
Kapalua	335	0	158	177	165	12	6.8
Kaunakakai	1,955	2	804	1,149	1,035	114	9.9
Kihei	13,166	27	3,571	9,568	9,087	481	5.0
Kualapuu	1,410	0	612	798	702	96	12.0
Lahaina	7,300	0	2,418	4,882	4,667	215	4.4
Lanai City	2,405	0	821	1,584	1,505	79	5.0
Maalaea	437	0	145	292	287	5	1.7
Makawao	4,732	15	1,194	3,523	3,361	162	4.6
Maunaloa	130	0	53	77	74	3	3.9
Napili-Honokowai	5,344	0	1,175	4,169	4,024	145	3.5
Paia	1,904	0	603	1,301	1,262	39	3.0
Pukalani	5,620	0	1,492	4,128	3,961	167	4.0
Waihee-Waiehu	5,207	0	1,573	3,634	3,474	160	4.4
Waikapu	860	0	285	575	552	23	4.0
Wailea-Makena	4,706	0	1,349	3,357	3,242	115	3.4
Wailuku	9,712	0	3,708	6,004	5,715	289	4.8

Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrices P43 and PC35.

Section 10

VISITOR INDUSTRY & RECREATION

This section presents statistics on numbers of visitors, visitor plant inventory, and visitor expenditures. In addition you will find information about recreation on the islands including attendance at recreational events, and visitors to Maui County attractions.

Information on tourism is supplied primarily by the Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division. They have assumed the collection and analysis of visitor data since July 1998.

10.1.1

VISITORS TO MAUI COUNTY BY MONTH

(Arrivals by Air)

2003	Maui	Molokai	Lanai	Total Maui County
Total Visitors				
January	169,293	7,958	8,482	175,235
February	170,632	7,507	7,537	176,108
March	180,559	14,309	14,826	197,196
April	179,295	6,003	7,933	183,625
May	170,262	7,341	6,487	175,015
June	193,225	7,544	8,091	198,513
July	215,353	8,751	6,798	220,292
August	205,879	8,310	7,334	211,689
September	144,141	5,642	5,556	148,009
October	164,117	6,670	6,069	168,382
November	155,592	6,183	5,154	159,439
December	177,072	7,889	7,179	182,945
Total	2,125,421	94,106	91,445	2,196,447
Domestic Visitors				
January	133,721	6,078	6,599	138,106
February	136,661	6,000	5,843	140,732
March	157,750	5,998	7,421	162,451
April	160,385	5,299	6,709	164,057
May	152,532	5,575	5,414	155,879
June	179,076	6,478	6,909	183,356
July	197,019	7,089	6,458	201,224
August	182,510	6,142	6,502	186,925
September	124,546	4,875	4,657	127,693
October	144,249	5,708	5,534	148,060
November	133,783	5,166	4,663	137,147
December	149,911	6,215	5,964	154,543
Total	1,852,144	70,624	72,674	1,900,174
International Visitors				
January	35,572	1,880	1,883	37,129
February	33,970	1,507	1,694	35,376
March	22,809	8,311	7,405	34,745
April	18,910	704	1,224	19,568
May	17,730	1,766	1,073	19,136
June	14,150	1,065	1,181	15,157
July	18,335	1,661	340	19,067
August	23,369	2,169	831	24,764
September	19,594	767	900	20,316
October	19,868	962	534	20,322
November	21,809	1,017	491	22,292
December	27,161	1,674	1,215	28,401
Total	273,277	23,483	18,772	296,273

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, 2003 Annual Visitor Research Report.

10.1.2

**LENGTH OF STAY AND AVERAGE DAILY CENSUS,
MAUI COUNTY BY ISLAND**

(Arrivals by Air)

	1998	1999	2000	2001	2002	2003
Length of Stay (days)¹						
All Visitors						
Maui	6.58	6.71	6.81	6.90	7.17	7.33
Molokai	5.61	4.98	5.13	4.32	4.64	3.67
Lanai	6.48	4.75	4.34	4.72	4.71	3.41
Domestic						
Maui	7.12	7.20	7.35	7.41	7.63	7.53
Molokai	5.37	5.07	5.51	5.03	5.47	4.06
Lanai	4.48	4.12	4.90	5.02	4.92	3.65
International						
Maui	4.76	4.84	4.75	4.83	4.89	6.00
Molokai	6.83	4.42	2.74	2.23	2.63	2.51
Lanai	6.19	5.56	3.53	2.85	3.88	2.44
Average Daily Census (people)						
All Visitors						
Maui	40,440	41,918	41,819	38,724	40,744	42,710
Molokai	1,157	950	905	831	955	947
Lanai	1,267	1,124	1,130	1,096	1,043	853
Domestic						
Maui	33,671	35,750	35,817	33,330	36,081	38,215
Molokai	920	830	837	721	797	786
Lanai	1,011	909	1,022	1,002	868	728
International						
Maui	6,768	6,167	6,002	5,394	4,662	4,495
Molokai	237	121	67	110	158	162
Lanai	255	215	109	95	175	126

NOTE: Totals may not add due to rounding.

¹ Length of stay is the average number of days that visitors who travel to a specific island have stayed on that island.

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, 2003 Annual Visitor Research Report.

10.1.3

AVERAGE DAILY VISITOR CENSUS, BY COUNTIES

Average number of visitors present in each county on any given day

(Arrivals by Air)

Year	Maui County	Hawaii County	Kauai County	Oahu	State Total
1978	14,492	8,094	7,069	62,379	92,034
1979	15,598	7,996	7,394	67,688	98,676
1980	15,363	7,195	7,259	66,680	96,417
1981	15,727	6,561	7,225	66,455	95,968
1982	18,090	6,725	7,050	73,445	105,310
1983	24,670	8,690	7,990	66,695	108,040
1984	32,790	7,570	10,930	67,370	118,660
1985	31,910	8,040	11,470	65,280	116,700
1986	34,330	9,870	14,840	73,870	132,910
1987	33,890	10,210	15,510	74,660	134,270
1988	33,870	10,690	16,400	80,450	141,410
1989	44,020	17,760	19,140	88,750	169,670
1990	37,657	16,698	17,378	82,783	154,516
1991	37,060	17,535	17,720	75,008	147,323
1992	41,854	19,297	13,516	77,999	152,666
1993	42,132	18,974	8,283	78,108	147,498
1994	42,933	18,902	13,268	81,526	156,630
1995	42,751	18,547	14,439	81,362	157,098
1996	42,724	19,337	15,615	81,054	158,730
1997	43,383	21,656	15,999	76,150	157,188
1998	42,864	23,993	17,909	72,623	157,389
1999	43,992	22,736	18,214	79,497	164,439
2000	43,854	21,831	18,041	84,911	168,637
2001	40,651	21,064	16,830	79,702	158,247
2002	42,742	22,277	17,432	82,121	164,572
2003	44,510	21,934	17,828	76,776	161,048

NOTES: Average daily census is based on intention to visit each island. Eastbound and northbound visitors counts are based on a 20 percent sample through 1983 and a 10 percent sample thereafter. Westbound visitor counts are based on the form distributed on all Hawaii-bound flights of all domestic airlines. Data beginning with 1990 are not strictly comparable to previous years.

¹ All eastbound visitor days were attributed to Oahu through 1988.

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *2003 Annual Visitor Research Report*; "Historical Visitor Data."

10.1.4

DOMESTIC VISITOR ARRIVALS FROM TOP US MSAS, MAUI COUNTY

(Arrivals by Air)

2003	Maui	Molokai	Lanai	Total Maui County	Total State
Albuquerque	5,761	191	278	5,899	12,550
Anchorage	9,602	322	501	9,830	20,814
Atlanta	18,156	696	893	18,589	42,485
Austin	6,639	275	293	6,828	17,417
Bakersfield	4,542	208	190	4,673	12,650
Bellingham	2,618	87	81	2,690	5,928
Boise	4,687	182	112	4,823	11,271
Boston	28,054	1,130	1,433	28,803	60,338
Charlotte	4,210	174	226	4,334	9,913
Chicago	60,229	1,871	2,553	61,402	116,871
Cincinnati	10,029	358	374	10,264	20,031
Cleveland	6,150	466	174	6,504	20,748
Colorado Springs	5,530	174	149	5,634	13,185
Columbus	5,369	262	202	5,545	12,854
Dallas	34,813	1,089	1,452	35,494	72,952
Denver	38,039	1,344	1,571	38,955	91,801
Detroit	16,758	663	655	17,201	50,724
Eugene	3,479	133	133	3,600	11,489
Fresno	7,481	278	196	7,656	18,507
Grand Rapids	3,551	163	167	3,685	8,178
Hartford	5,309	213	281	5,452	11,617
Houston	16,258	592	564	16,686	44,481
Indianapolis	3,716	227	239	3,814	14,536
Kansas City	7,679	288	245	7,911	20,161
Las Vegas	23,027	794	901	23,491	46,081
Los Angeles	284,659	9,106	9,610	291,736	706,081
Miami	7,819	370	418	8,057	17,711
Milwaukee	6,600	345	359	6,788	16,079
Minneapolis	24,377	867	878	25,051	56,717
Modesto	5,349	205	250	5,472	12,738

10.1.4

CONTINUED

2003	Maui	Molokai	Lanai	Total Maui County	Total State
Nashville	3,874	169	169	3,982	8,702
New York	78,497	2,925	4,097	80,575	161,971
Norfolk	5,497	253	252	5,685	14,043
Oklahoma City	4,560	209	229	4,681	10,013
Omaha	3,443	116	153	3,526	7,881
Orlando	5,494	191	159	5,609	13,132
Philadelphia	19,032	717	926	19,421	41,498
Phoenix	36,226	1,378	1,391	37,145	86,586
Pittsburgh	6,640	255	294	6,775	13,557
Portland	43,119	1,405	1,096	43,992	102,730
Provo	4,653	138	225	4,806	11,667
Raleigh	3,925	164	165	4,010	9,760
Reno	6,843	229	341	6,982	14,371
Sacramento	42,798	1,544	1,326	44,038	100,973
Saint Louis	13,009	427	639	13,295	26,649
Salinas	7,479	247	317	7,613	14,959
Salt Lake City	22,252	725	1,041	22,811	49,838
San Antonio	4,799	221	279	4,937	13,805
San Diego	55,432	1,903	1,951	56,935	150,752
San Francisco	214,476	7,386	6,751	220,099	537,900
San Luis/Obispo	5,001	154	145	5,115	12,105
Santa Barbara	8,088	241	248	8,231	19,362
Seattle	85,342	2,754	2,217	87,148	200,011
Spokane	4,828	203	209	4,952	13,251
Stockton	9,010	294	332	9,208	18,643
Tampa	6,292	218	283	6,457	15,417
Tucson	7,928	298	377	8,149	18,544
Tulsa	4,112	141	179	4,238	8,362
Washington D.C.	32,990	1,587	1,795	34,063	97,410
Top US MSAs as % of total visitors	75.9	70.2	72.9	75.9	74.4

Note: MSAs - Metropolitan Statistical Areas.

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *2003 Annual Visitor Research Report*.

10.1.5

VISITOR ARRIVALS, MAUI COUNTY

*Data covers visitors to the state staying overnight or longer,
and include one-day (non-overnight) trips*

Westbound Visitors				
1978			1,403,054	
1979			1,419,773	
1980			1,378,189	
1981			1,389,892	
1982			1,550,080	
1983			1,645,720	
1984			1,854,690	
1985			1,831,110	
1986			2,001,870	
1987			1,908,780	
1988			1,884,050	
	<u>International Visitors¹</u>	<u>Domestic Visitors</u>		<u>Total Visitors</u>
1989 ²	400,860	2,113,100		2,513,960
1990	469,239	1,815,623		2,284,862
1991	483,224	1,692,382		2,175,606
1992	569,241	1,754,371		2,323,612
1993	569,204	1,693,910		2,263,114
1994	531,610	1,808,906		2,340,516
1995	564,092	1,762,705		2,326,797
1996	586,576	1,732,034		2,318,610
1997	542,018	1,788,366		2,330,384
1998	527,950	1,776,165		2,304,115
1999	480,471	1,866,531		2,347,002
			<u>Arrivals by Ship</u>	
2000	470,035	1,834,631	32,288	2,336,954
2001	418,518	1,685,960	41,288	2,145,766
2002	369,323	1,770,103	58,853	2,198,280
2003	296,273	1,900,174	43,514	2,239,961

¹ Due to the need for timely and market-specific visitor statistics arising from the establishment of the Hawaii Tourism Authority, collection and reporting of visitor statistics has been extensively revised. The previous visitor categorization as eastbound (visitors who arrive mainly from Asia, Australia and New Zealand) and westbound (visitors who arrive from the US mainland and Canada) has been replaced by a domestic and international breakdown of visitors.

² The subcategories for 1989 were eastbound (visitors arriving mainly from Asia, Australia and New Zealand) and westbound (arriving from the US mainland and Canada). County distribution for eastbound/international visitors not available before 1989.

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *2003 Annual Visitor Research Report*; "Historical Visitor Data."

10.1.6

NATION OF RESIDENCE OF VISITORS
TO MAUI COUNTY

(Arrivals by Air)

2003 MMA ¹	MAUI			MOLOKAI			LANAI		
	Domestic	International	Total	Domestic	Int'l.	Total	Domestic	Int'l.	Total
Total	1,852,144	273,277	2,125,421	70,624	23,483	94,106	72,674	18,772	91,445
U.S.	1,736,795	19,932	1,756,728	64,433	1,686	66,118	67,014	1,028	68,042
Canada	18,437	76,575	95,013	802	3,300	4,102	817	3,247	4,064
Asia									
China	2,127	754	2,881	211	57	268	134	93	227
Hong Kong	482	860	1,342	58	107	165	29	0	29
Japan	1,500	121,635	123,135	76	13,113	13,189	61	10,065	10,126
Korea	1,370	10,732	12,103	70	701	771	104	384	489
Singapore	242	594	835	25	0	25	21	0	21
Taiwan	595	2,383	2,978	44	190	234	23	27	49
Total Asia	6,316	136,958	143,274	484	14,168	14,652	372	10,569	10,941
Oceania									
Australia	2,059	15,360	17,419	88	1,028	1,116	104	1,205	1,309
New Zealand	507	2,924	3,431	56	250	306	57	293	350
Total Oceania	2,566	18,285	20,851	143	1,278	1,422	161	1,498	1,659
Europe									
United Kingdom	15,029	2,643	17,672	756	212	969	755	116	871
Germany	9,912	948	10,859	549	8	558	351	0	351
France	2,358	350	2,708	147	0	147	99	0	99
Italy	2,229	255	2,484	148	0	148	96	0	96
Switzerland	2,607	385	2,993	126	22	149	139	22	162
Total Europe	32,134	4,582	36,716	1,728	243	1,971	1,440	139	1,578
Latin America									
Argentina	608	75	683	33	0	33	50	75	125
Brazil	1,273	293	1,566	108	0	108	130	0	130
Mexico	3,180	82	3,262	220	0	220	207	99	306
Total Latin America	5,061	450	5,511	362	0	362	387	174	561
Other Foreign	50,835	16,494	67,329	2,663	2,809	5,472	2,464	2,117	4,581
Total Foreign	115,349	253,344	368,694	6,182	21,798	27,981	5,641	17,744	23,384

¹ Major Market Areas (MMAs) have allowed the Hawaii Tourism Authority to focus on specific areas for marketing and to see changes in these markets.

² "Other foreign" is comprised of all countries not listed above in an MMA as well as visitors from US territories .

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, 2003 Annual Visitor Research Report.

10.2.1

**PKF-HAWAII
OCCUPANCY AND ROOM RATES,
FOOD AND BEVERAGE SALES,
ISLANDS OF MAUI AND MOLOKAI**

Includes condominium units in rental pools for transient occupancy

Year	Percent Occupied	Average Daily Room Rate	Average Revenue per Available Room	AVERAGE DAILY SALES PER GUEST		
				Food	Beverage	Food Sales Per Cover
Maui						
1992	63.49	124.77	79.22	24.30	8.21	14.14
1993	67.56	122.88	83.02	23.04	7.16	14.17
1994	72.69	125.70	91.37	22.72	6.61	14.61
1995	73.53	144.36	106.15	25.72	7.23	15.99
1996	73.37	155.54	114.11	26.32	7.56	17.09
1997	71.58	156.37	111.93	26.92	7.94	17.11
1998	72.81	161.40	117.52	27.12	8.23	17.75
1999	77.25	167.08	129.06	28.62	9.05	19.16
2000	80.11	189.78	152.04	30.52	10.09	20.10
2001	74.50	210.29	156.66	27.68	8.59	18.78
2002	72.41	205.90	149.10	29.35	9.20	19.44
2003	76.23	211.23	161.03	31.13	10.38	20.33
Molokai						
1992	44.24	77.30	34.19	34.10	9.78	9.73
1993	42.66	74.69	31.87	32.27	10.45	10.66
1994	41.19	72.18	29.73	34.52	12.16	8.57
1995	37.47	71.85	26.92	42.40	15.26	10.00
1996	39.00	74.44	29.03	56.65	17.14	10.64
1997	40.42	74.02	29.92	47.17	17.31	10.04
1998	44.18	78.43	34.65	36.62	11.33	10.76
1999	41.08	74.54	30.62	NA	NA	NA
2000	42.72	79.77	34.07	NA	NA	NA
2001	47.36	92.09	43.62	NA	NA	NA
2002	50.58	93.67	47.38	NA	NA	NA
2003	50.48	97.12	49.03	NA	NA	NA

NOTES: PKF-Hawaii LLP publishes comparable statistics only for the last two years. Participating hotel and resort condominiums differ from year to year, so earlier survey statistics are not strictly comparable due to changes in the participants' number, type, location and size. There are no participants on Lanai.

SOURCE: PKF-Hawaii LLP, *Trends in the Hotel Industry, Hawaii*, December 2003, and records.

10.2.2

PKF-HAWAII TRENDS IN THE HOTEL INDUSTRY, MAUI COUNTY

2003	Total Maui	Kaanapali	West Maui	Other	Molokai
Room Sales for the Total Market					
Percent Occupied	76.23	79.41	76.83	74.21	50.48
Average Daily Room Rate	211.23	160.79	177.17	259.55	97.12
Revenue / Available Room	161.03	127.60	136.10	192.60	49.03
Room Sales for the Hotel Market					
Percent Occupied	78.65	80.04	76.64	78.51	60.99
Average Daily Room Rate	236.63	160.06	185.11	310.84	105.63
Revenue / Available Room	186.10	128.10	141.80	244.00	64.42
Room Sales for the Resort Condo Market					
Percent Occupied	71.40	75.75	77.10	65.71	41.87
Average Daily Room Rate	155.24	163.23	169.54	138.61	86.97
Revenue / Available Room	110.80	125.10	130.50	91.08	36.42
Food Sales for the Total Market					
Average Daily Food per Guest	31.13	21.32	27.79	38.80	N/A
Average Daily Beverage per Guest	10.38	6.98	9.78	12.84	N/A
Average Food Sales Per Cover	20.33	14.64	24.64	22.47	N/A

SOURCE: PKF-Hawaii LLP, *Trends in the Hotel Industry, Hawaii*, December 2003.

10.2.3

PKF-HAWAII QUALITY AND SIZE REPORT, MAUI COUNTY

2003	Maui					Molokai
	Luxury	First Class	Deluxe	Standard	Budget	Standard
Room Quality						
Percent Occupied	73.96	77.72	78.48	78.38	N/A	50.03
Average Daily Room Rate	305.81	170.65	125.04	92.02	N/A	77.64
Revenue / Available Room	226.17	132.63	98.13	72.13	N/A	38.84
Number of Rooms on Property						
	Under 100	100 - 200	201 - 350	351 - 500	Over 500	Under 100
Percent Occupied	54.54	74.64	76.19	83.45	77.58	50.48
Average Daily Room Rate	197.05	135.12	201.15	254.79	228.03	97.12
Revenue / Available Room	107.47	100.85	153.26	212.65	176.90	49.03

SOURCE: PKF-Hawaii LLP, *Trends in the Hotel Industry, Hawaii, Quality and Size Report*, December 2003.

10.2.4

HOSPITALITY ADVISORS LLC HAWAII HOTEL FLASH REPORT, MAUI ISLAND

2003	Occupancy	Average Daily Rate	Revenue per Available Room
Total Maui	74.2%	186.96	138.72
By Area			
Lahaina/Kaanapali/Kapalua	75.9%	177.25	134.53
Other Maui	72.2%	198.23	143.19
By Price			
Luxury	73.6%	285.39	210.05
Upscale	78.7%	156.44	123.12
Midprice	75.6%	132.45	100.13
Economy	74.9%	101.89	76.32
Budget	69.4%	79.73	55.33

SOURCE: Hospitality Advisors LLC, *Hawaii Hotel Flash Report*, December 2003.
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10.2.5

VISITOR PLANT INVENTORY BY ISLAND AND PRICE, MAUI COUNTY

Class (Price per Night)	2003			2002		
	Units	% of Total	Properties	Units	% of Total	Properties
Maui						
Budget: \$100 or less	2,400	13.8%		2,494	14.7%	
Standard: \$101 to \$250	5,828	33.5%		5,816	34.4%	
Deluxe: \$251 to \$500	6,924	39.8%		6,977	41.2%	
Luxury: Over \$500	2,238	12.9%		1,630	9.6%	
All levels	17,390	100.0%	232	16,917	100.0%	221
Molokai						
Budget: \$100 or less	66	28.1%		56	25.6%	
Standard: \$101 to \$250	104	43.9%		98	44.4%	
Deluxe: \$251 to \$500	66	28.0%		66	30.0%	
All levels	236	100.0%	24	220	100.0%	10
Lanai						
Budget: \$100 or less	7	2.0%		7	2.0%	
Standard: \$101 to \$250	10	2.7%		10	2.7%	
Deluxe: \$251 to \$500	174	47.2%		174	47.2%	
Luxury: Over \$500	177	48.2%		177	48.2%	
All levels	368	100.0%	6	368	100.0%	6

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *2003 Visitor Plant Inventory*.

10.2.6

VISITOR PLANT INVENTORY BY ISLAND AND TYPE, MAUI COUNTY

	1999		2000		2001		2002		2003	
	Prop- erties	Available Units	Prop- erties	Available Units	Prop- erties	Available Units	Prop- erties	Available Units	Prop- erties	Available Units
Maui										
Apartment/Hotel	5	58	6	74	6	93	7	103	6	69
Bed & Breakfast	27	125	30	134	26	115	23	113	22	110
Hostel	2	44	3	50	2	30	2	30	2	30
Hotel	27	8,583	28	8,577	29	8,399	29	8,413	29	8,379
Condominium										
Hotel	105	7,991	104	7,767	107	7,987	102	7,548	106	7,955
Individual										
Vacation Unit	47	327	56	327	65	409	63	584	63	638
Other	18	554	14	544	16	541	16	613	19	730
Total	231	17,682	241	17,473	251	17,574	242	17,404	247	17,911
Molokai										
Bed & Breakfast	1	1	1	1	1	1	1	1	2	3
Hotel	3	222	2	183	1	45	1	45	1	45
Condominium										
Hotel	5	231	4	117	4	116	4	101	6	159
Individual										
Vacation Unit	–	–	1	2	2	4	2	66	17	26
Other	2	104	2	126	2	126	2	7	2	66
Total	11	558	10	429	10	292	10	220	28	299
Lanai										
Bed & Breakfast	1	3	–	–	1	3	1	3	1	3
Hotel	3	363	3	362	3	362	3	362	3	362
Condominium										
Individual										
Vacation Unit	2	3	3	6	2	3	2	3	2	3
Other	–	–	–	–	–	–	–	–	–	–
Total	6	369	6	368	6	368	6	368	6	368

NOTES: Categories vary in the way they are reported from year to year.

INDIVIDUAL VACATION UNIT: Individual condominium unit (not in a hotel rental operation), house, cabin, villa or cottage with very limited service, often with only basic cleaning supplies provided.

– Not available, not reported or none.

SOURCES: 1999-2001: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, 2003 Visitor Plant Inventory.

10.2.7

**SUMMARY OF VISITOR PLANT INVENTORY BY
AREA AND TYPE, MAUI COUNTY**

2003 Island/Area/Type	Properties	Available Units
Maui Island	247	17,911
Hana	21	139
Bed & Breakfast	3	13
Condominium Hotel	1	16
Hotel	2	70
Individual Vacation Unit	12	25
Other	3	15
Kahului-Wailuku	9	432
Bed & Breakfast	1	10
Hostel	2	30
Hotel	3	366
Individual Vacation Unit	1	6
Other	2	20
Kula-Makawao	26	93
Bed & Breakfast	4	19
Condominium Hotel	1	16
Hotel	1	8
Individual Vacation Unit	18	44
Other	2	6
Lahaina-Kaanapali-Napili-Kapalua	90	9,649
Apartment/ Hotel	3	48
Bed & Breakfast	8	47
Condominium Hotel	47	4,164
Hotel	12	4,616
Individual Vacation Unit	12	143
Other	8	631
Maalaea	8	252
Condominium Hotel	8	252
Wailea-Kihei	93	7,346
Apartment/ Hotel	3	21
Bed & Breakfast	6	21
Condominium Hotel	49	3,507
Hotel	11	3,319
Individual Vacation Unit	20	420
Other	4	58
Molokai	28	299
Bed & Breakfast	2	3
Condominium Hotel	6	159
Hotel	1	45
Individual Vacation Unit	17	26
Other	2	66
Lanai	6	368
Bed & Breakfast	1	3
Hotel	3	362
Individual Vacation Unit	2	3

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, 2003 Visitor Plant Inventory.

10.2.8

**VISITOR PLANT INVENTORY,
MAUI COUNTY**

Year	Available Units
1967	1,714
1968	2,043
1969	2,415
1970	2,743
1971	3,695
1972	4,095
1973	4,075
1974	5,208
1975	5,830
1976	7,232
1977	8,037
1978	8,736
1979	9,472
1980	9,701
1981	11,359
1982	12,162
1983	12,749
1984	13,138
1985	14,152
1986	14,096
1987	13,849
1988	15,168
1989	15,708
1990	17,869
1991	18,702
1992	19,290
1993	19,127
1994	18,804
1995	NA
1996	17,824
1997	18,552
1998	18,650
1999	18,609
2000	18,270
2001	18,234
2002	17,992
2003	18,578

NOTES: Includes hotels and condominiums available for transient rental. HVCB did not conduct an update survey in 1995.
NA: not available.

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *2003 Visitor Plant Inventory*.

10.2.9

**LARGEST HOTELS BY NUMBER OF SLEEPING ROOMS,
MAUI COUNTY**

2003	Number of Sleeping Rooms & Suites	Maximum Exhibit Area (sq. ft.)	Maximum Meeting/Banquet Seating Capacity	Number of Employees (or FTE)	Average Occupancy Rate
Hyatt Regency Maui Resort and Spa Lahaina, Maui	806	16,640	1,400	850	71.0%
Grand Wailea Resort Hotel & Spa Wailea, Maui	780	26,700	1,600	863	DND
The Westin Maui Lahaina, Maui	759	8,765	1,000	DND	84.0%
The Ritz-Carlton Kapalua Kapalua, Maui	548	19,200	1,200	650	DND
Outrigger Wailea Resort Wailea, Maui	521	13,800	1,100	325	DND
The Royal Lahaina Resort Lahaina, Maui	516	7,890	800	DND	DND
Sheraton Maui Resort Lahaina, Maui	510	6,560	600	325	DND
Aston Kaanapali Shores Lahaina, Maui	463	NA	NA	DND	DND
Fairmont Kea Lani Hotel Suites, Villas & Spa Wailea, Maui	450	8,800	1,500	500	DND
Kaanapali Beach Hotel Lahaina, Maui	430	4,631	600	241	DND
Maui Marriott Resort Lahaina, Maui	391	14,040	1,700	DND	DND
Four Seasons Resort Maui at Wailea Wailea, Maui	380	DND	500	588	DND
Ohana Maui Islander Lahaina, Maui	360	NA	NA	DND	DND
The Whaler on Kaanapali Beach Lahaina, Maui	359	NA	NA	DND	DND
Renaissance Wailea Beach Resort Wailea, Maui	345	6,500	400	DND	DND
Maui Prince Hotel, Makena Wailea, Maui	310	5,200	350	DND	DND
Maui Marc Vista Kihei, Maui	265	NA	NA	7	78.3%
Maui Coast Hotel Kihei, Maui	265	980	80	70	DND

DND: Did not disclose. NA: Not applicable / not available. FTE: Full time equivalent.

SOURCE: *Pacific Business News*, "Largest Maui County Hotels," *Book of Lists 2004*.

10.3.1

EXPENDITURES PER PERSON PER DAY BY UNITED STATES AND JAPANESE VISITORS, STATE OF HAWAII

*In dollars; excludes transpacific travel costs
(Arrivals by Air)*

Expenditure Type	US EAST		US WEST		JAPAN	
	2002	2003	2002	2003	2002	2003
GRAND TOTAL	163.0	163.3	141.9	153.0	233.1	240.1
Total Food and beverage	35.2	35.4	31.5	32.0	40.2	41.3
Restaurant food	25.5	25.6	21.6	21.6	30.0	27.9
Dinner shows and cruises	5.0	4.6	4.1	4.1	3.0	5.6
Groceries and snacks	4.8	5.1	5.7	6.3	7.2	7.9
Entertainment & Recreation ¹	10.7	14.7	8.9	12.1	6.0	18.2
Total Transportation	21.3	17.5	18.4	16.2	11.5	12.6
Interisland airfare	6.6	2.8	3.7	1.2	3.4	4.8
Ground transportation	1.3	1.4	1.0	0.8	5.0	4.7
Rental vehicles	11.5	11.5	11.9	12.7	2.7	2.8
Gasoline, parking, etc.	1.9	1.8	1.9	1.6	0.3	0.3
Total Shopping	24.4	25.5	20.1	21.4	82.2	89.9
Fashion and clothing	8.5	9.0	7.9	8.1	17.9	22.4
Jewelry and watches	6.8	5.7	4.5	4.5	10.1	12.6
Cosmetics, perfume	0.4	0.3	0.5	0.3	4.7	5.4
Leather goods	0.4	0.4	0.4	0.4	24.7	30.4
Hawaii food products	2.1	2.6	2.0	2.2	1.8	9.7
Souvenirs	6.2	7.4	4.8	5.9	23.0	9.5
Lodging	56.4	64.1	51.3	64.9	62.8	61.3
All other expenses	9.4	6.2	7.8	6.5	11.4	16.7
Optional tour packages ¹	5.7	NA	3.9	NA	19.2	NA

NOTE: Categories marked 'NA' (not applicable) reflect differences between questionnaires given to visitors from the United States and Japan.

¹ Due to changes in survey forms in 2003, spending on optional tours included in the Entertainment & Recreation category for 2003.

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, *2003 Annual Visitor Research Report*.

10.3.2

VISITOR SPENDING, MAUI AND MOLOKAI

Spending per Person per Day	MAUI					MOLOKAI
	All Visitors	U.S. East	U.S. West	Canada	Residents ¹	All Visitors
Total Lodging	76.85	83.77	76.08	57.78	32.88	37.76
Total Food & Beverage	34.76	40.80	32.58	23.54	25.81	17.17
Food at Restaurants	24.03	30.13	21.80	13.37	18.17	9.41
Dinner Shows	3.70	4.77	3.34	2.00	1.11	0.07
Groceries	7.03	5.90	7.44	8.17	6.53	7.69
Total Entertainment²	15.72	21.81	13.71	8.11	13.44	6.61
Total Transportation	17.04	19.43	16.32	13.72	10.95	11.78
Ground transportation	0.93	2.08	0.45	0.27	0.06	0.27
Rental vehicles	14.86	15.80	14.74	12.50	8.93	9.92
Other transportation	1.25	1.55	1.13	0.96	1.97	1.59
Total Shopping	20.65	24.69	19.47	11.04	9.77	5.58
Fashion and clothing	8.38	9.36	8.01	5.77	3.74	2.12
Jewelry / watch	4.54	6.03	4.18	1.46	1.65	0.62
Cosmetics/perfumes	0.31	0.34	0.31	0.09	0.34	0.05
Leather goods	0.45	0.45	0.45	0.09	0.02	0.13
Hawaii food products	1.76	1.94	1.75	0.91	1.43	1.18
Souvenirs	5.21	6.56	4.77	2.72	2.58	1.49
All Other	7.51	9.37	7.00	4.83	7.70	3.61
Tour Packages²	0.00	0.00	0.00	0.00	0.00	0.00
Cruise	0.11	0.19	0.06	0.08	0.00	0.06
Total Spending	172.64	200.05	165.21	119.10	100.56	82.58

¹ Hawaii residents traveling inter-island.

² Due to changes in survey forms in 2003, spending on optional tours included in the Entertainment category for 2003.

10.3.3

SUMMARY VISITOR CHARACTERISTICS, MAUI COUNTY

(Arrivals by Air)

2003	Total	Domestic	International
Islands Visited			
Maui County	789,395	590,399	198,996
... Maui	2,196,447	1,900,174	296,273
... Molokai	2,125,421	1,852,144	273,277
... Lanai	94,106	70,624	23,483
Oahu	91,445	72,674	18,772
Kauai	319,715	281,052	38,663
Big Island	351,324	291,022	60,302
... Kona	200,109	161,210	38,900
... Hilo	254,540	207,132	47,408
Maui Only	1,156,517	1,078,848	77,669
Molokai Only	8,536	7,811	725
Lanai Only	9,986	9,261	725
Visit Status			
First trip	798,864	674,393	124,471
Repeat	1,397,583	1,225,782	171,802
Average number of trips	4.56	4.65	4.01
Party Size			
One person	316,508	277,609	38,899
Two persons	1,019,540	895,973	123,567
Three or more persons	860,399	726,592	133,807
Average party size	2.12	2.10	2.30
Accommodations			
Hotel	1,357,696	1,142,094	215,602
... Hotel Only	1,097,701	914,126	183,575
Condo	631,946	562,926	69,021
... Condo Only	478,093	428,771	49,322
Timeshare	165,063	155,331	9,732
... Timeshare Only	111,191	106,058	5,132
Apartment	1,257	1,251	6
Bed & Breakfast	29,082	25,420	3,662
Cruise Ship	107,852	96,062	11,789
Friends or Relatives	144,866	128,235	16,632

SOURCE: Hawaii State Department of Business, Economic Development and Tourism, Research and Economic Analysis Division, 2003 Annual Visitor Research Report.

10.4.1

ACTIVITY PARTICIPATION MAUI BY VISITOR CATEGORY, MAUI COUNTY

Activity	U.S. Total	U.S. West	U.S. East	Japan	Canada	Europe
Sightseeing	92.80%	92.20%	93.40%	90.80%	91.70%	95.10%
Helicopter / airplane tour	9.40%	8.60%	10.00%	7.30%	9.00%	7.90%
Boat tour / submarine / whale watching	36.40%	34.80%	37.70%	9.70%	29.60%	30.50%
Tour bus excursion	11.40%	6.00%	16.10%	49.30%	21.30%	20.70%
Private limousine / van tour	4.90%	4.30%	5.40%	5.50%	6.50%	14.20%
Self-guided	76.00%	82.10%	70.70%	37.80%	69.30%	68.10%
Recreation	86.20%	90.30%	82.60%	52.20%	80.30%	81.30%
Swimming / sunbathing / beach	77.90%	81.70%	74.60%	36.50%	73.50%	78.10%
Snorkeling / scuba diving	21.80%	28.60%	15.90%	5.00%	20.90%	13.40%
Jet skiing / parasailing / windsurfing	53.10%	61.90%	45.40%	12.60%	40.60%	34.00%
Golf	7.10%	8.60%	5.70%	2.60%	11.90%	3.70%
Running / jogging / fitness walking	14.80%	13.80%	15.70%	12.60%	34.10%	6.30%
Gym / health spa	36.70%	40.30%	33.50%	8.40%	34.10%	18.20%
Backpacking / hiking / camping	17.10%	18.70%	15.70%	2.40%	9.40%	5.50%
Sports event or tournament	16.70%	18.50%	15.00%	2.90%	15.00%	16.90%
Entertainment	1.60%	1.60%	1.60%	1.00%	4.00%	1.70%
Lunch / sunset / dinner / evening cruise	79.90%	82.70%	77.50%	57.70%	68.80%	66.70%
Lounge act / stage show	35.90%	34.20%	37.40%	18.90%	31.20%	32.00%
Nightclub / dancing / bar / karaoke	29.80%	32.70%	27.20%	4.20%	22.40%	15.60%
Fine dining	15.80%	15.60%	15.90%	2.60%	11.00%	12.70%
Shopping	66.00%	68.70%	63.70%	49.90%	52.90%	45.70%
Department stores	89.20%	91.20%	87.50%	59.10%	85.90%	84.50%
Designer boutiques	37.60%	38.90%	36.50%	7.60%	47.30%	46.60%
Hotel stores	44.70%	47.50%	42.20%	21.50%	39.90%	26.00%
Swap meet / flea markets	45.20%	46.10%	44.40%	2.60%	31.20%	27.70%
Discount / outlet stores	16.70%	21.00%	12.90%	4.70%	21.30%	13.30%
Supermarkets	34.60%	39.30%	30.60%	14.20%	37.40%	26.70%
Convenience stores	59.40%	67.90%	52.10%	29.10%	59.60%	63.70%
Duty free store	54.10%	55.80%	52.60%	29.40%	52.70%	35.80%
Culture	6.20%	6.00%	6.40%	12.10%	10.10%	9.90%
Historic site	73.90%	74.10%	73.70%	26.20%	65.70%	62.30%
Museum / art gallery	44.00%	46.30%	42.00%	13.60%	46.40%	46.20%
Polynesian show / luau	29.40%	34.40%	25.00%	8.40%	26.50%	21.40%
Art / craft fair	42.40%	41.60%	43.10%	7.30%	34.30%	24.50%
Festival	20.70%	24.30%	17.50%	1.60%	16.80%	13.90%
Transportation	4.40%	5.10%	3.80%	1.30%	3.10%	2.80%
Trolley	84.60%	88.70%	81.00%	51.70%	79.80%	82.40%
Public Bus	2.70%	3.10%	2.30%	8.10%	3.10%	7.10%
Taxi / limousine	3.30%	2.30%	4.30%	5.80%	8.10%	13.50%
Rental car	8.40%	6.80%	9.80%	20.50%	14.10%	18.70%

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

Source: Department of Business, Economic Development and Tourism. 2003, *Visitor Satisfaction & Activity Report*.

10.4.2
EXCELLENT SATISFACTION RATINGS
BY ISLAND

U.S. and Japan Visitors

Year	State	Maui	Oahu	Big Island	Kauai
U.S. Visitors					
1998	68.0%	70.0%	65.0%	72.0%	70.0%
2001	68.6%	69.4%	67.5%	70.4%	74.1%
2002	69.3%	70.1%	57.7%	65.5%	75.5%
2003	72.4%	73.6%	60.1%	65.1%	76.4%
Japan Visitors					
1998	41.0%	38.0%	41.0%	35.0%	42.0%
2001	53.9%	52.7%	55.4%	51.3%	39.8%
2002	48.7%	51.9%	48.5%	55.6%	45.5%
2003	52.0%	53.7%	55.1%	57.3%	41.6%

Source: Department of Business, Economic Development and Tourism, *2003 Visitor Satisfaction & Activity Report*.

10.4.3
MAUI COUNTY VISITATION DECISION TIMETABLE

(% of Total Visitors by MMA)

Island	Total U.S.	U.S. West	U.S. East	Japan	Canada	Europe
Maui						
Decide before arrival in Hawaii	93.40%	92.90%	93.90%	85.80%	94.20%	88.80%
Decide after arrival in Hawaii	6.60%	7.10%	6.10%	14.20%	5.80%	11.20%
Molokai						
Decide before arrival in Hawaii	51.5%	52.9%	50.0%	57.6%	75.0%	59.4%
Decide after arrival in Hawaii	48.5%	47.1%	50.0%	42.4%	25.0%	40.6%
Lanai						
Decide before arrival in Hawaii	56.8%	51.5%	60.0%	70.0%	66.7%	61.7%
Decide after arrival in Hawaii	43.2%	48.5%	40.0%	30.0%	33.3%	38.3%

Source: Department of Business, Economic Development and Tourism, *2003 Visitor Satisfaction & Activity Report*.

10.4.4

OVERALL ISLAND EXPERIENCE, MAUI COUNTY, ALL VISITOR CATEGORIES

Experience	U.S Total	U.S. West	U.S. East	Japan	Canada	Europe
Maui Island						
Excellent	73.6%	71.6%	75.3%	53.7%	66.7%	65.6%
Above Average	23.5%	25.4%	21.9%	40.6%	30.7%	30.3%
Below Average	2.8%	3.0%	2.6%	5.0%	2.6%	3.9%
Poor	0.1%	0.0%	0.2%	0.7%	0.0%	0.2%
Molokai						
Excellent	53.6%	48.0%	58.1%	41.7%	59.3%	50.0%
Above Average	39.3%	40.0%	38.7%	50.0%	29.6%	41.4%
Below Average	3.6%	4.0%	3.2%	8.3%	11.1%	8.6%
Poor	3.6%	8.0%	0.0%	0.0%	0.0%	0.0%
Lanai						
Excellent	61.7%	60.7%	62.3%	50.0%	58.3%	60.0%
Above Average	30.9%	25.0%	34.0%	43.8%	38.9%	36.0%
Below Average	7.4%	14.3%	3.8%	6.3%	2.8%	2.7%
Poor	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%

Source: Department of Business, Economic Development and Tourism, 2003 Visitor Satisfaction & Activity Report.

10.4.5

**VISITORS BY INCOME LEVEL,
BY MMA, MAUI COUNTY**

Income	Total U.S.	U.S. West	U.S. East	Canada	Europe¹
Under \$15,000	1.1%	1.1%	1.0%	0.5%	3.7%
\$15,000 - \$24,999	1.5%	2.1%	1.0%	2.4%	6.2%
\$25,000 - \$29,999	1.4%	1.6%	1.2%	1.4%	4.4%
\$30,000 - \$34,999	3.3%	3.0%	3.7%	3.0%	7.7%
\$35,000 - \$39,999	1.6%	1.8%	1.4%	3.5%	6.0%
\$40,000 - \$44,999	3.0%	3.0%	3.0%	5.4%	6.5%
\$45,000 - \$49,999	2.9%	2.8%	3.0%	4.9%	6.2%
\$50,000 - \$69,999	14.2%	13.8%	14.6%	15.4%	16.1%
\$70,000 - \$99,999	22.0%	23.4%	20.7%	24.6%	18.1%
\$100,000 - \$124,999	16.1%	16.7%	15.6%	14.9%	9.9%
\$125,000 - \$149,999	8.1%	6.9%	9.1%	7.6%	4.6%
\$150,000 or more	24.8%	23.9%	25.6%	16.5%	10.6%

Japan	
10,000 Japanese Yen	
Under 150	3.0%
150 - 249.999	5.2%
250 - 299.999	4.9%
300 - 349.999	6.0%
350 - 399.999	3.8%
400 - 449.999	5.2%
450 - 499.999	6.3%
500 - 699.999	12.0%
700 - 999.999	23.1%
1,000 - 1,249.999	11.4%
1,250 - 1,499.999	6.0%
1,500 or more	13.3%

¹ In U.S. Dollars

Source: Department of Business, Economic Development and Tourism, 2003 Visitor Satisfaction & Activity Report.

10.5.1

**ATTENDANCE AT MUSEUMS
AND OTHER CULTURAL ATTRACTIONS,
MAUI COUNTY**

Calendar year unless otherwise specified

Island and Cultural Attraction	2000	2001	2002	2003
Maui				
Alexander & Baldwin Sugar Museum	34,909	31,004	33,386	32,818
Halekii-Pihana Heiaus State Monument ¹	7,200	NA	NA	NA
Hana Cultural Center (Hale Wai Wai O Hana)	16,963	17,009	16,114	NA
Hawaii Nature Center	58,567	41,003	NA	NA
Iao Valley State Monument ¹	741,000	NA	NA	NA
Kula Botanical Gardens	24,200	24,200	27,050	26,030
Lahaina Restoration Foundation	218,400	210,349	154,898	143,341
Baldwin Missionary Home Museum	52,632	45,106	37,438	35,282
Brig Carthaginian ³	44,656	39,476	19,343	
Hale Pa'ahao (Old Lahaina Prison)	30,255	29,877	24,632	27,834
Hale Pa'i Printing House	5,177	3,184	2,101	2,416
Wo Hing Temple Museum	85,680	92,706	71,384	77,809
Maui Historical Society Bailey House Museum	14,196	11,681	12,780	12,003
Maui Ocean Center ²	NA	NA	NA	NA
Maui Tropical Plantation	240,763	NA	NA	NA
Whaler's Village Museum ³	189,149	177,024	186,508	176,495
Molokai				
Kalaupapa Settlement	8,644	8,956	14,178	9,791

NA: Not available, open.

¹ Years ending June 30.

² Opened in March 1998.

³ Brig. Carthaginian closed for all of 2003

SOURCE: Hawaii State Department of Business, Economic Development & Tourism, Research and Economic Analysis Division, *State of Hawaii Data Book 2003*, Table 7.40; and records.

10.5.2

NATIONAL AND STATE HISTORIC SITES, MAUI COUNTY

2002	Maui	Kahoolawe	Lanai	Molokai	Total Maui County
Listed Hawaii Register only	30	–	–	41	71
Listed National Register only	4	1	–	10	15
Listed both Hawaii and National Register	31	–	2	40	73
Eligible for National Register ¹	1	–	–	2	3
Total sites	66	1	2	93	162

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, 2002.

10.5.3

NATIONAL, STATE AND COUNTY PARKS, MAUI COUNTY

Parks	1999	2000	2001	2002	2003
National Parks¹					
Number of areas	2	2	2	2	2
Acreage	29,116	28,991	28,991	39,747	40,747
Visits	2,050,180	1,736,160	1,503,068	1,610,996	1,502,640
State Parks & Historic Sites²					
Number of areas	10	10	10	10	10
Acreage	566	566	566	566	566
Visits (1,000)	1,921	1,921	1,747	1,522	1,747
County Parks					
Number of areas	132	143	143	150 ^r	150
Acreage	1,142	1,198	1,198	1,307 ^r	1,307

^r Revised from previous Data Book

¹ As of December 31.

² As of June 30.

SOURCES: U.S. Department of the Interior, National Park Service, Public Use Statistics Office, acreage and visitation reports, Hawaii State Department of Land and Natural Resources, Division of State Parks, records. County data compiled by the Hawaii State Department of Business, Economic Development & Tourism from data provided by county parks and recreation departments.

10.5.4

PARK MAINTENANCE, MAUI COUNTY DEPARTMENT OF PARKS AND RECREATION

Performance Measures:	FY 1999	FY 2000	FY 2001	FY 2002
Total number of repair requests	1,678	1,937	2,046	1,946
Completed repair requests	1,632	1,921	1,998	1,938
Emergency requests	239	262	302	325
Percentage of emergency requests responded to within 24 hours	95%	95%	95%	96%
Completed projects				132
Inventory of parks (does not include Waiehu Golf Course)	132	133	136	136
Park acres (does not include Waiehu Golf Course)	1,229	1,334	1,342	1,342
Additional street trees planted	73	58	61	58
Additional park trees planted	420	466	114	157
Number of park trees trimmed by contractors	4,124	3,852	4,784	4,892
Number of park trees trimmed in-house	286	291	226	274

Source: Office of the Mayor, Budget Office, *County Budgets 2001-2004*.

10.5.5

SEAWEED REMOVAL FROM MAUI BEACHES

Item	FY 2001	FY 2002	FY 2003	FY 2004
Seaweed removal - tons collected	5,406	3,128	2,101	3,500
Seaweed removal - complaints received	28	46	2	2
Seaweed removal - cost per ton to pick up	\$16.38	\$14.71	\$29.24	\$30.00

Source: Office of the Mayor, Budget Office, *County Budgets 2001-2005*.

10.6.1

**SEATING CAPACITIES OF SELECTED FACILITIES,
MAUI COUNTY**

Facility	Capacity
Stadiums, Auditoriums and Gymnasiums	
War Memorial Complex	
Track & Football Stadium	6,000
Baseball Stadium	1,200
Gym	2,996
Kamehameha School Stadium	2,200
Kamehameha Middle School Gym	700
Kamehameah High School Gym	1,800
Maui High Gym	2,000
Baldwin High Auditorium	1,183
Seabury Hall Gym	400
Wailuku Gym	600
Civic Centers and Theaters	
Iao Theater	400
Lahaina Civic Center Convention Hall	4,050
Maui Academy of Performing Arts	60
Maui Arts & Cultural Center	
Ampitheater	4,000
Castle Theater	1,200
Gallery	400
Theater Stage	400
McCoy Theater	300
Community Hall	230
Classroom C	160
Mayor Eddie Tam Memorial Center	1,500
Mayor Eddie Tam Hall	380
Hannibal Tavares Community Center	559
Kihei Community Center (new)	500
Wailuku Community Center	500
Kahului Community Center	200
Haiku Community Center	178
Paia Community Center	230
Kula Community Center	180
Upcountry Community Center	556
Upcountry Community Center (2 halls each)	96
Kalama Park Extension	250
Mitchell Pauole Center	246
Maui Community College Student Center Lounge	100
Churches	
First Assembly of God Maui (Puunene Avenue)	2,000
First Assembly of God (Kane Street)	500
St. Anthony Church	500
Makawao Union Church	350
First Assembly of God Maui (Kula)	250
Makawao Union Church Hall	200
First Assembly of God Maui (Molokai)	200
Iao Congregational	175
Iao Congregational Hall	100
St. John Episcopal Church	100
St. John Episcopal Church Hall	200
Trinity Episcopal Church by the Sea	100

SOURCE: Officials of the facilities.

10.7.1

DOG LICENSES ISSUED, BY ISLAND

Year	State Total	Maui ¹	Lanai	Molokai	Oahu	Hawaii	Kauai
1993	27,586	2,427	26	46	20,081	4,006	1,000
1994	29,010	3,171	26	57	19,485	4,099	2,172
1995	28,442	1,446	82	48	20,030	4,911	1,925
1996	30,376	699	32	58	21,245	5,381	2,961
1997	28,395	1,378	33	80	19,713	5,871	1,320
1998	28,645	649	35	83	19,861	5,777	2,240
1999	28,245	581	29	84	20,039	6,311	1,201
2000	26,560	4,587 ²	57	25	20,066	5,627	785
2001	31,068	4,285 ²	(NA)	(NA)	18,761	5,919	2,103
2002	27,115	626 ³	50	30	17,752	6,809	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).

10.7.2

ANIMAL ACQUISITIONS AND DISPOSITIONS, MAUI HUMANE SOCIETY, MAUI ISLAND

(Period July 2003 - Jan. 2004)

Acquisitions & Dispositions	Dogs	Percent	Cats	Percent	Other	Percent
Area						
Upcountry	453	24%	592	22%		
Hana	93	5%	36	1%		
Kihei	167	9%	369	13%		
Kahului	133	7%	351	13%		
Wailuku	238	13%	439	16%		
Lahaina	96	5%	451	16%		
Left at Shelter	384	21%	367	13%		
Cremations	290	16%	138	5%		
Total	1,854	100%	2,743	100%		
Acquisitions All Areas						
Strays	979	53%	1,919	70%	437	62%
Owner turn ins	875	47%	824	30%	270	38%
Total	1,854	100%	2,743	100%	707	100%
Dispositions						
Reclaim by Owner	376	20%	85	3%	5	1%
Cremation	290	16%	138	5%		0%
DOA	34	2%	194	7%	10	1%
Not Adoptable	407	22%	1,590	58%	290	41%
Total Available for Adoption	747	40%	723	26%	423	60%
Adoptable Dispositions						
Adopted	394	53%	437	60%	150	35%
Adoptable Euthanized	353	47%	286	40%	273	65%
Total	747	100%	723	100%	423	100%

Source: Maui Humane Society, records.

10.7.3

MAUI HUMANE SOCIETY CALL SLIPS AND CITATIONS ISSUED

(Period July 2003 - Jan. 2004)

Call Slips	Number	Percent
Lease Law	1,226	27%
No Tax	208	5%
Barking	183	4%
Cruelty/Neglect	597	13%
Home Inspection	364	8%
Injured Animals	80	2%
Large animal trespass	4	0%
Spay/Neuter Reclaims	3	0%
Abandonment	21	0%
Vicious Dog recheck	54	1
Dog to Dog Bites	24	1%
Dog to Human Bites	45	1%
Dot to Other Bites	3	0%
Pickup/Del misc	446	10%
Stray Dog pick up	295	6%
DOA's	315	7%
Stray Cat Pick up	603	13%
Pick up Police Reports, lic	137	3%
Other Animal Pick up	5	0%
Total	4,613	100%

Citations Issued	Number	Percent
UpCountry	100	36%
Hana	7	3%
Kihei	51	19%
Kahului	29	11%
Wailuku	58	21%
Lahaina	30	11%
Total	275	100%

Source: Maui Humane Society, records.

Section 11

DOMESTIC TRADE

This final section covers data on manufactures, service establishments, professional firms, retail trade, industrial parks and the general excise tax base. Also included is a list of Maui County's largest private corporations.

The largest private corporation based in Maui is Maui Land & Pineapple with 1,488 employees, and sales of \$169 million in 2003. Maui County is moving into the high technology development phase, with a public-private partnership working to develop the Maui Research & Technology Park at Kihei to support emerging high technology business.

11.1.1

**MANUFACTURING
KAHULUI AND MAUI COUNTY**

Includes operating manufacturing establishments and auxiliaries

1997	MAUI COUNTY		KAHULUI	
	All	Food	All	Food
All Establishments¹				
Total (number)	100	34	27	8
With 20 employees or more (number)	9	6	2	1
All Employees				
Number	1,919	1,000 to 2,499	798	692
Payroll (\$1,000)	51,302	D	19,931	17,005
Production Workers				
Number	1,509	D	733	649
Hours (1,000)	2,830	D	1,240	1,094
Wages (\$1,000)	36,296	D	16,597	14,699
Value Added by Manufacture²				
(\$1,000)	123,343	D	41,776	34,490
Cost of Materials³				
(\$1,000)	135,369	D	60,245	56,813
Value of Shipments³				
(\$1,000)	259,608	D	102,128	91,323
Total Capital Expenditures				
(\$1,000)	4,020	D	2,893	D

¹ Includes establishments with payroll at any time during the year.

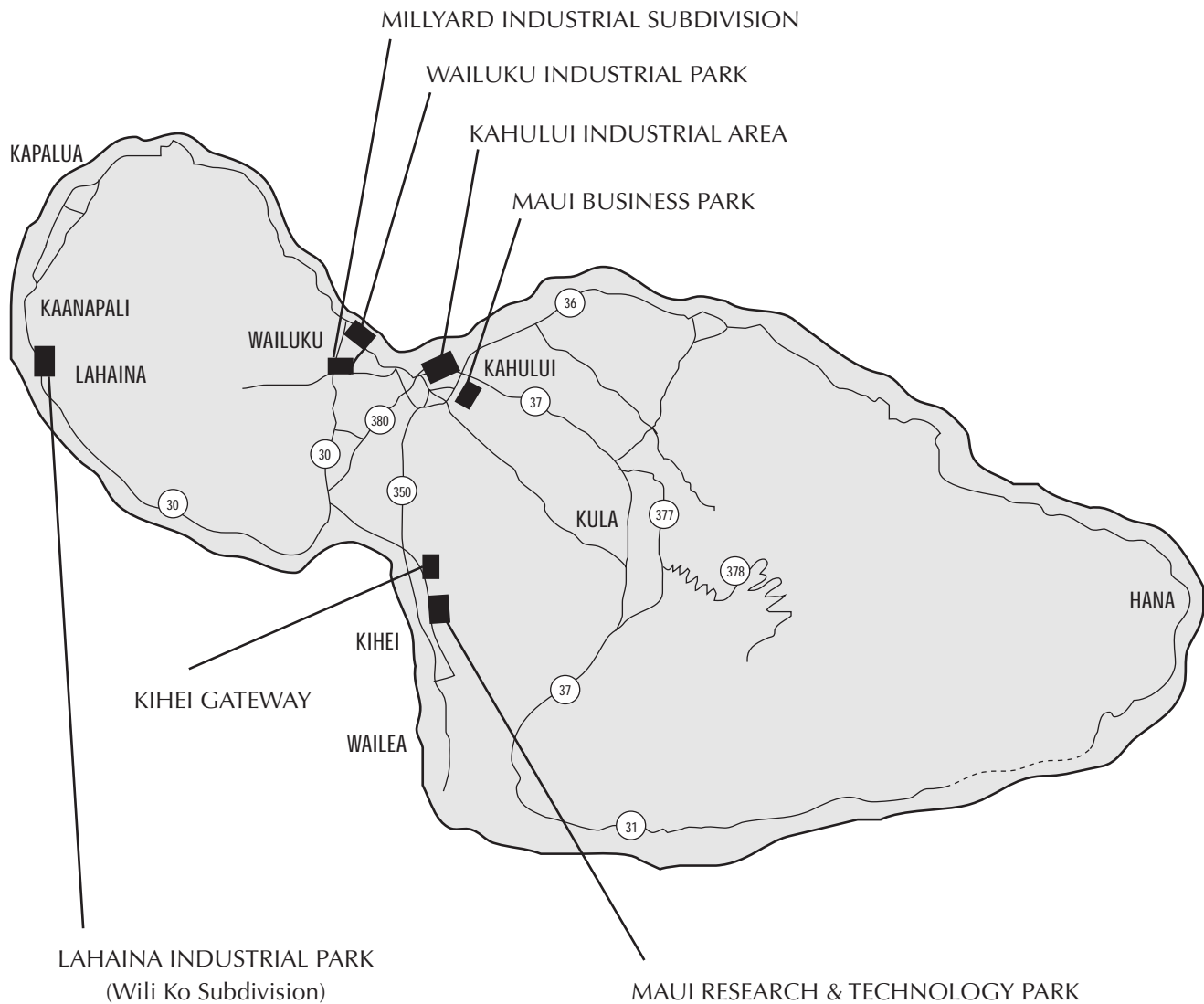
² Computed using inventory data reported at cost or market prior to adjustment to LIFO cost.

³ Aggregate of cost of materials and value of shipments includes extensive duplication, since products of some industries are used as materials by others.

11.1.2

INDUSTRIAL PARKS, ISLAND OF MAUI

	Size	Location	Types of industries
Maui Research & Technology Park	330 acres	Kihei	High technology
Kahului Industrial Area	200 acres	Kahului	Light industrial and commercial
Maui Business Park	75 acres	Kahului	Light industrial and commercial
Wailuku Industrial Park	55 acres	Wailuku	Construction base yard, trucking, commercial
Millyard Subdivision	30 acres	Wailuku	Light industry and business commercial
Kihei Gateway	30 acres	Kihei	Light industrial and commercial
Lahaina Industrial Park	10 acres	Lahaina	Commercial



SOURCE: Hawaii State Department of Business, Economic Development and Tourism, *Directory of Industrial and Technology Parks*, 1991.

11.2.1

GENERAL EXCISE TAX BASE, MAUI COUNTY

	1996	1997	1998	1999	2000	2001	2002	2003
Retailing	833,349,525	621,260,750	649,032,400	1,200,011,150	1,357,279,775	1,363,859,275	1,288,265,075	1,416,929,475
Services	323,517,975	315,540,900	328,849,125	404,622,650	445,827,275	480,773,575	497,605,975	538,502,100
Contracting	181,665,900	161,468,800	193,365,375	259,711,650	326,777,275	360,568,625	364,438,350	425,070,200
Theater, Amusements, Radio, etc.	6,348,825	5,757,150	6,518,225	15,984,275	16,659,825	19,942,250	20,309,700	21,195,600
Interest	8,360,500	7,568,225	7,794,250	11,002,075	12,191,625	16,204,050	18,674,475	18,889,650
Commissions	55,078,925	53,701,225	64,093,175	82,441,600	102,188,000	108,053,925	105,181,525	135,367,700
Hotel Rentals	326,989,550	219,644,400	192,012,700	332,734,900	373,941,925	318,051,550	321,252,400	359,701,525
All Other Rentals	230,939,550	189,527,750	206,840,275	272,953,600	284,930,450	291,789,000	289,637,275	301,241,100
Use (4%)	16,284,725	6,608,975	9,585,650	32,232,375	44,145,100	36,581,075	25,138,275	45,193,250
All Others (4%)	106,482,875	73,681,600	76,290,300	125,497,600	119,762,625	118,982,400	117,366,800	128,484,500
SUB-TOTAL	2,089,018,350	1,654,759,775	1,734,381,475	2,737,191,875	3,083,703,875	3,114,805,725	3,047,869,850	3,390,575,100
Insurance Solicitors	38,562,000	29,943,333	31,336,665	94,902,666	41,309,334	121,564,668	59,276,000	63,635,334
Sugar Processing	-574,000	85,400	6,800	73,000	147,600	57,400	82,000	40,400
Pineapple Canning	353,800	265,400	607,000	2,900,400	2,376,000	2,210,000	1,978,400	4,091,600
Producing	25,030,200	21,713,000	26,281,200	29,412,400	28,193,200	25,924,400	23,407,000	23,037,600
Manufacturing	17,230,800	17,607,400	18,410,800	21,927,400	27,228,200	29,517,200	29,829,600	37,399,400
Wholesaling	247,287,400	191,297,600	209,382,400	328,986,000	367,046,000	384,273,200	358,084,800	365,772,200
Services (Intermediary)	25,437,400	26,346,200	25,449,200	30,991,200	37,430,000	38,642,600	47,747,000	50,574,800
Use (1/2%)	83,113,800	42,011,800	61,979,800	183,129,000	233,743,000	224,557,800	216,882,000	172,571,600
SUB-TOTAL	436,441,400	329,270,133	373,473,865	692,322,066	737,473,334	826,747,268	737,286,800	717,122,934
GRAND TOTAL	2,525,459,750	1,984,029,908	2,107,855,340	3,429,513,941	3,821,177,209	3,941,552,993	3,785,156,650	4,107,698,034

NOTES: This report is on cash basis accounting, and reflects tax bases only for allocated collections. The base for unallocated net collections cannot be determined due to differing tax rates which may be applicable. Unallocated collections as percent of total collections: 1995 and before <=5%, 1996=20.7%, 1997=35.3%, 1998=36.3% and 1999=8.4% when the Department of Taxation altered its general excise tax reporting procedures. (Unallocated net collections 2000=5.8%.) The unallocated net collections category includes amounts resulting from collections from electronic fund payments (apparently causing its rise from 1996 to 1998), penalty and interest, assessments and corrections, delinquent collections, refunds, protested payments and settlements, etc. This table will understate the general excise tax base in Maui County for the above reason and also because many businesses operating statewide locate their head office in Honolulu, so all their income is attributed to that county rather than among each county in which they operate.

SOURCE: Hawaii State Department of Taxation, General Excise and Use Tax Base, Calendar Years 1996 to 2003 (annual).

11.2.2

RETAIL ESTABLISHMENTS BY TYPE AND LOCATION

Based on primary North American Industrial Classification System (NAICS) code and zip code

2001 Establishment Type		Location / Number		Location / Number		Location / Number		Totals	
Motor vehicle & parts dealers (NAICS 441—)									
	Kahului	24	Lahaina	5					
	Kihei	3	Makawao	1	Wailuku	10	Maui subtotal		43
	Kaunakakai	2	Lanai City	2			Total		47
Furniture & home furnishing stores (NAICS 442—)									
	Haiku	1	Kihei	5	Lahaina	7			
	Kahului	19	Kula	1	Wailuku	5	Total		38
Electronics & appliance stores (NAICS 443—)									
	Kahului	12	Lahaina	5	Kula	1			
	Kihei	7	Wailuku	3			Total		28
Building material & garden equipment & supplies dealers (NAICS 444—)									
	Haiku	1	Kula	2	Wailuku	5			
	Kahului	22	Lahaina	5	Hana	1			
	Kihei	2	Makawao	2	Paia	1	Maui subtotal		41
	Hoolehua	1	Kaunakakai	2	Lanai City	1	Total		45
Food & beverage stores (NAICS 445—)									
	Haiku	4	Kula	1	Paia	3			
	Kahului	21	Lahaina	18	Wailuku	13			
	Kihei	10	Makawao	5	Lanai City	3	Maui subtotal		75
	Kaunakakai	6	Kualapuu	1			Total		85
Health & personal care stores (NAICS 446—)									
	Haiku	1	Paia	1	Wailuku	4			
	Kahului	17	Lahaina	20					
	Kihei	5	Makawao	1			Maui subtotal		49
	Kaunakakai	1					Total		50
Gasoline stations (NAICS 447—)									
	Haiku	2	Kihei	5	Wailuku	6			
	Paia	1	Kula	1					
	Kahului	12	Lahaina	10			Maui subtotal		37
	Kaunakakai	2	Lanai City	1			Total		40

11.2.2

CONTINUED

2001 Establishment Type							
Location	Number	Location	Number	Location	Number	Totals	
Clothing & clothing accessories stores (NAICS 448—)							
Haiku	1	Kula	1	Paia	4		
Kahului	40	Lahaina	128	Wailuku	8		
Kihei	50	Makawao	4	Lanai City	1	Maui subtotal	236
Kaunakakai	3					Total	240
Sporting goods, hobby, book & music stores (NAICS 451—)							
Paia	1	Wailuku	8	Kihei	9		
Kahului	20	Lahaina	14	Makawao	3		
Kalaupapa	1	Kaunakakai	1			Maui subtotal	55
						Total	57
General merchandise stores (NAICS 452—)							
Hana	1	Lahaina	2	Wailuku	1		
Kahului	8	Makawao	2	Haiku	1		
Kihei	2	Paia	1			Maui subtotal	18
Kaunakakai	4	Lanai City	1			Total	23
Miscellaneous store retailers (NAICS 453—)							
Hana	3	Kula	4	Paia	3		
Kahului	20	Lahaina	78	Wailuku	9		
Kihei	27	Makawao	9			Maui subtotal	153
Maunaloa	1	Lanai City	2	Kaunakakai	1	Total	157
Nonstore retailers (NAICS 454—)							
Kihei	1	Kula	2	Wailuku	1		
Kahului	3	Lanai City	1			Maui subtotal	7
Hoolehua	1					Total	9
						Grand Total	819

NOTE: Pukalani combined with Makawao, and Puunene combined with Kahului.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Zip Code Business Patterns 2002*, on CD-ROM.

11.2.3

CHARACTERISTICS OF MAJOR SHOPPING CENTERS, MAUI COUNTY

	Location	Stores	Year Built/ Last Renovated	Gross Leasable Area
Queen Kaahumanu Center	Kahului	87	1972/1995	572,896
Maui Marketplace	Kahului	23	1997	317,000
Maui Mall	Kahului	50	1971/1995	182,000
The Shops At Wailea	Kahului	100	2000	160,000
Piilani Shopping Center	Kihei	30	2000	150,000
Lahaina Center Factory Stores	Lahaina	NA	1990	150,000
Wailuku Shopping Center	Wailuku	NA	NA	134,557
Lahaina Cannery Mall	Lahaina	55	1987/1999	128,000
Kahului Shopping Center	Kahului	35	1951/1960	112,066
Whalers Village	Lahaina	37	1971	79,000
Lahaina Shopping Center	Lahaina	21	1995	77,000
[unnamed]	Lahaina	NA	1997	74,000
Kahana Gateway	Lahaina	NA	1990	58,902
Whaler's Market Place In Lahaina	Lahaina	46	1974	56,165
Lahaina Square	Lahaina	25	1973	52,000
The Wharf	Lahaina	56	1978/1987	50,000
Lipoa Center	Kihei	NA	1989/1991	42,309
Kukui Mall	Kihei	NA	1987	40,073
Pioneer Inn	Lahaina	13	NA	35,632
Dickenson Square	Lahaina	NA	NA	23,500
Kealia Beach Center	Kihei	NA	1983	20,350
Banyan Inn Marketplace	Lahaina	9	1975	20,028
Kai Nani Village	Kihei	14	1975	13,878
Pukalani Square	Pukalani	NA	1986	6,600
Napili Plaza	Lahaina	NA	NA	NA
West Maui Center	Lahaina	NA	NA	NA

SOURCE: National Research Bureau, 2002 database supplied to Claritas, Inc.

11.2.4

SUMMARY OF RETAIL TRADE BY BUSINESS GROUP, MAUI COUNTY

Sales in thousands of dollars

1997	Estab- lishments	Sales (\$1,000)	Employees	Annual Payroll (\$1,000)
Retail trade (NAICS 44-45)	805	1,359,298	8,244	150,721
Automobile dealers (NAICS 4411—)	9	D	250 to 499	D
Other motor vehicle dealers (NAICS 4412—)	5	D	20 to 99	D
Automotive parts, accessories & tire stores (NAICS 4413—)	26	D	100 to 249	D
Furniture stores (NAICS 4421—)	10	13,066	65	1,958
Home furnishings stores (NAICS 4422—)	24	16,334	141	2,873
Electronics & appliance stores (NAICS 4431—)	18	11,698	85	1,669
Building material & supplies dealers (NAICS 4441—)	41	84,469	433	10,598
Lawn & garden equipment & supplies stores (NAICS 4442—)	8	23,150	60	1,482
Grocery stores (NAICS 4451—)	59	280,592	1,571	30,316
Specialty food stores (NAICS 4452—)	19	7,243	78	1,191
Health & personal care stores (NAICS 4461—)	45	91,494	506	12,211
Gasoline stations (NAICS 4471—)	44	116,487	593	9,120
Clothing stores (NAICS 4481—)	165	133,999	1,154	17,009
Shoe stores (NAICS 4482—)	23	14,847	128	2,147
Jewelry, luggage & leather goods stores (NAICS 4483—)	65	51,577	336	7,989
Sporting goods, hobby, musical instrument stores (NAICS 4511—)	41	28,996	293	4,689
Book, periodical & music stores (NAICS 4512—)	15	11,751	90	1,314
Other general merchandise stores (NAICS 4529—)	22	118,418	475	9,176
Florists (NAICS 4531—)	13	9,098	135	1,488
Office supplies, stationery & gift stores (NAICS 4532—)	80	52,418	474	6,142
Used merchandise stores (NAICS 4533—)	9	3,743	58	995
Other miscellaneous store retailers (NAICS 4539—)	40	30,068	215	4,246

SOURCE: U.S. Bureau of the Census, 1997 Economic Census CD-ROM Vol. 1, Release 1F.

11.2.5

MERCHANDISE LINE SALES OF RETAIL ESTABLISHMENTS WITH PAYROLL, FOR THE STATE, OAHU AND THE REST OF THE STATE

Merchandise Line	NUMBER OF ESTABLISHMENTS			SALES (\$1,000)		
	State Total	Oahu	Rest of State	State Total	Oahu	Rest of State
TOTAL Retail Trade ¹	5,088	3,269	1,819	11,317,752	8,264,716	3,053,036
Groceries and other food items	1,298	819	479	1,910,787	1,263,171	647,616
Meals and snacks	430	260	170	119,935	87,075	32,860
Packaged liquor, wine, & beer	743	465	278	280,830	187,484	93,346
Cigars, cigarettes, & tobacco	976	594	382	193,535	131,361	62,174
Drugs, health aids, & beauty aids	1,035	621	414	776,494	575,064	201,430
Soaps, detergents, & household cleaners	547	345	202	95,687	63,240	32,447
Paper and related products	634	383	251	117,699	83,618	34,081
Men's wear	931	548	383	468,259	362,435	105,824
Women's, juniors', & misses' wear	1,113	708	405	936,203	784,649	151,554
Children's wear	511	285	226	139,497	102,878	36,619
Footwear (including accessories)	773	458	315	298,683	249,530	49,153
Sewing, knitting, & needlework goods	154	109	45	21,438	13,077	8,361
Curtains, draperies, and dry goods	185	112	73	63,319	42,421	20,898
Major household appliances	106	62	44	92,644	60,999	31,645
Small electric appliances	180	117	63	30,988	22,220	8,768
Televisions, video equipment/tapes	217	143	74	67,820	50,461	17,359
Audio equipment, musical instruments	320	219	101	119,940	95,304	24,636
Furniture & sleep equipment	214	123	91	125,314	95,291	30,023
Flooring & floor coverings	94	54	40	60,348	42,942	17,406
Computer hardware, software, & supplies	112	81	31	124,338	116,881	7,457
Kitchenware and homefurnishings	609	359	250	132,298	96,102	36,196
Jewelry	1,056	661	395	498,437	404,117	94,320
Books	404	260	144	89,691	64,338	25,353
Photographic equipment & supplies	247	161	86	33,259	24,219	9,040
Toys, hobby goods, & games	453	312	141	116,057	89,859	26,198
Optical goods	278	189	89	45,595	35,890	9,705
Sporting goods	406	239	167	163,942	117,948	45,994
Hardware, tools, plumbing, & elect. suppl.	385	225	160	294,216	210,819	83,397
Lawn and garden equipment	449	274	175	150,684	76,180	74,504
Lumber, millwork, building materials	168	86	82	204,318	141,276	63,042
Paint & related preservatives & supplies	153	71	82	71,393	46,514	24,879
Wallpaper & other flexible wallcoverings	14	7	7	596	254	342
Cars, vans, trucks, powered vehicles	96	60	36	1,274,548	1,005,722	268,826
Automotive fuels	380	241	139	538,555	331,662	206,893
Automotive lubricants (oil, greases, etc)	590	348	242	39,541	26,967	12,574
Automotive tires, batteries, accessories	483	293	190	312,323	211,064	101,259
Household fuels (oil, LP gas, wood, & coal)	44	14	30	34,238	20,173	14,065
Pets, pet foods, & pet supplies	341	205	136	64,066	46,536	17,530
All other merchandise	1,749	1,091	658	699,275	528,980	170,295
Unclassified merchandise	754	447	307	193,773	116,402	77,371
Nonmerchandise receipts	958	586	372	316,673	239,551	77,122

¹ Because some establishments carry more than one merchandise line, the number of establishments for each line will not add to the indicated totals.

X: Not applicable.

SOURCE: U.S. Bureau of the Census, 1997 Economic Census CD-ROM Vol. 1, Release 1F.

11.2.6

COMMERCIAL LEASE RENTS, MAUI ISLAND

Compiled by James M. "Mac" Lowson, CCIM PB,
Lowson and Associates
and
Felix B. Osorno (R), GRI
Felicon Enterprises, Ltd.

Location	YEAR 2004	RANGE PER SQUARE FOOT PER MONTH		
		Retail	Office	Warehouse
West Maui:				
Lahaina Shopping Centers		\$2.50 to \$4.50	NA	NA
Off Front Street		\$2.00 to \$5.00	\$1.25 to \$1.75	NA
Industrial Area		\$1.25 to \$2.10	\$1.00 to \$2.00	\$1.25 to \$1.75
Front Street		\$8.50 to \$35.00	\$1.50 to \$2.50	NA
Kihei		\$1.75 to \$3.50	\$1.40 to \$2.75	\$1.10 to \$1.30
Wailuku		\$1.45 to \$2.00	\$1.00 to \$2.00	\$1.00 to \$1.25
Kahului		\$1.45 to \$3.50	\$1.35 to \$2.00	\$0.90 to \$1.35
Common area charges (in addition to rent, per square foot rented, all areas):				
		\$0.15 to \$1.15	\$0.23 to \$0.95	\$0.08 to \$0.50

NOTE: Retail rents are usually a base rent against a percentage rent of 8% to 12% of gross receipts. The tenant pays whichever is higher (but not both).

SOURCE: Lowson and Associates and Felicon Enterprises, records. Current property listings can be found at www.mauicommercial.com, sponsored by members of the Commercial Round Table of Maui.

11.3.1

**CHARACTERISTICS OF BUSINESS ESTABLISHMENTS
BY SECTOR, MAUI COUNTY**

Excludes government employees, agricultural production workers and self-employed persons

Industry	Number of Establishments¹	Number of Employees²	Annual Payroll (\$1,000)
Forestry, fishing, hunting, and agriculture support	6	0-19	D
Mining	2	0-19	D
Utilities	8	250-499	D
Construction	414	2,804	116,632
Building, developing & general contracting	150	965	35,749
Heavy construction	17	183	7,810
Special trade contractors	247	1,656	73,073
Manufacturing	96	1,507	49,253
Food mfg	34	1119	36,070
Beverage & tobacco product mfg	2	20-99	D
Textile product mills	5	0-19	D
Apparel manufacturing	3	0-19	D
Wood product mfg	3	50	1,162
Printing & related support activities	13	85	2,295
Chemical mfg	6	20-99	D
Plastics & rubber products mfg	1	0-19	D
Nonmetallic mineral product mfg	8	112	6,416
Fabricated metal product mfg	4	0-19	D
Machinery mfg	2	0-19	D
Computer & electronic product mfg	1	0-19	D
Transportation equipment mfg	1	0-19	D
Furniture & related product mfg	2	0-19	D
Miscellaneous mfg	11	23	546
Transportation & warehousing	122	2,581	72,197
Air transportation	11	746	22,439
Water transportation	7	20-99	D
Truck transportation	25	365	12,216
Transit & ground passenger transportation	15	259	3,286
Scenic & sightseeing transportation	45	941	23,271
Transportation support activities	11	140	5,973
Couriers & messengers	8	20-99	D
Information	77	719	26,843
Publishing industries	24	214	9,705
Motion picture & sound recording industries	19	191	2,909
Broadcasting & telecommunications	26	286	13,092
Information & data processing services	8	28	1,137
Accommodation & food services	442	17,345	408,154
Accommodation	65	9,135	288,870
Food services & drinking places	377	8,210	119,284
Wholesale trade	174	1,304	42,362
Wholesale trade, durable goods	77	402	13,331
Wholesale trade, nondurable goods	97	902	29,031
Retail trade	821	9,352	204,035
Motor vehicle & parts dealers	46	641	27,094

11.3.1

CONTINUED

Industry	Number of Establishments ¹	Number of Employees ²	Annual Payroll (\$1,000)
Furniture & home furnishing stores	38	260	7,784
Electronics & appliance stores	28	142	2,922
Bldg material & garden equip & supp dealers	47	596	15,741
Food & beverage stores	85	1,863	38,301
Health & personal care stores	50	688	13,899
Gasoline stations	40	489	9,248
Clothing & clothing accessories stores	242	1,932	35,063
Sporting goods, hobby, book & music stores	57	494	8,434
General merchandise stores	24	1,267	26,879
Miscellaneous store retailers	157	937	17,862
Nonstore retailers	9	43	808
Finance & insurance	142	808	31,332
Credit intermediation & related activities	90	601	23,016
Security, commodity contracts & like activity	20	58	2,899
Insurance carriers & related activities	32	149	5,417
Real estate & rental & leasing	273	2,424	68,907
Real estate	200	1,000-2,499	D
Rental & leasing services	72	500-999	D
Lessors of other nonfinancial intangible asset	1	0-19	D
Professional, scientific & technical services	316	1,258	43,917
Management of companies & enterprises	12	192	7,611
Admin, support, waste mgmt, remediation svcs	257	3,084	88,659
Administrative & support services	239	2,956	84,547
Waste management & remediation services	18	128	4,112
Educational services	70	657	14,965
Health care and social assistance	329	4,782	169,929
Ambulatory health care services	246	2,012	90,674
Hospitals	3	500-999	D
Nursing & residential care facilities	13	500-999	D
Social assistance	67	1,210	23,657
Arts, entertainment & recreation	99	1,304	28,762
Performing arts, spectator sports, & related inds	28	289	7,048
Museums, historical sites & like institutions	14	170	3,478
Amusement, gambling & recreation industries	57	845	18,236
Other services (except public administration)	424	2,816	58,046
Repair & maintenance	80	375	9,370
Personal & laundry services	94	815	15,152
Religious, grantmaking, civic, prof. etc. orgs	250	1,626	33,524
Auxiliaries (exc corp, subsidiary & regional mgmt)	5	100-249	D
Unclassified establishments	15	0-19	D
Total	4,104	53,407	1,459,381

¹ Data refer to establishments in business at anytime during the year.

² For week including March 12. A range for the number of employees may be given to avoid disclosing data for individual companies.

D: Withheld to avoid disclosing data for individual companies.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *County Business Patterns 2002*, on CD-ROM.

11.3.2

LARGEST PRIVATE CORPORATIONS, MAUI COUNTY

Company	State Rank		Sales (\$ million)		Employees
	2004	2003	2003	2002	
Maui Land & Pineapple Co. Inc.	40	37	168.7	147.7	1,488
Grand Wailea Resort & Spa	51	NR	133.5	131.0	1,200
TS Restaurants of Hawaii & Calif.	74	82	92.0	83.6	1,600
Four Seasons Resort	80	94	83.0	72.0	800
Valley Isle Motors Ltd.	86	89	78.7	74.2	144
VIP Foodservice	129	131	55.0	53.0	125
Dorvin D. Leis Co. Inc.	144	147	47.0	46.0	220
West Maui Resort Partners LP	156	NR	42.0	40.0	433
Maui Petroleum Inc.	175	184	35.1	29.7	15
Maui Toyota	177	183	34.7	29.7	42
MINIT STOP Stores	186	190	32.9	28.4	175
Donald M Zwade Inc.	191	211	31.0	24.0	83
Hale Makua	212	216	24.8	23.9	476
Fresh Island Fish Co. Inc.	239	234	20.0	20.0	67
Wailea Golf LLC	240	NR	20.0	20.0	160
Maui Medical Group Inc.	242	242	19.5	17.5	208

SOURCE: "Top 250," *Hawaii Business*, August 2004.
NR: Not ranked.

11.3.3

CHARACTERISTICS OF BUSINESS ESTABLISHMENTS, MAUI COUNTY

Excludes government employees, agricultural production workers and self-employed persons

Characteristics	2001		2002	
	State Total	Maui	State Total	Maui
Number of establishments ¹	30,853	3,955	30,633	4,104
Number of employees ²	441,856	54,155	439,934	53,407
Payroll—First quarter (\$1,000)	3,136,371	344,818	3,237,290	348,190
Payroll—Annual (\$1,000)	12,684,140	1,406,686	13,352,194	1,459,381

¹ Data refer to establishments active anytime during the year.

² For week including March 12.

D: Withheld to avoid disclosing data for individual companies.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *County Business Patterns 2002*, on CD-ROM.

11.3.4

NUMBER OF BUSINESS ESTABLISHMENTS, STATE OF HAWAII AND MAUI COUNTY

Through 1982, this table includes business establishments with taxable payrolls during the first quarter of the calendar year; for 1983 and later years, it includes those with taxable payrolls anytime during the year

Year	State Total	Maui County
1979	20,621	1,858
1980	21,125	1,864
1981	21,264	1,872
1982	21,655	1,988
1983 ¹	24,519	2,257
1984	25,093	2,406
1985	25,742	2,528
1986	26,212	2,656
1987	27,281	2,867
1988	27,938	2,958
1989	28,443	3,096
1990	29,313	3,239
1991	29,736	3,367
1992	30,467	3,482
1993	30,157	3,502
1994	29,995	3,578
1995	29,942	3,639
1996	29,967	3,708
1997	29,991	3,766
1998 ²	29,603	3,746
1999	29,569	3,790
2000	29,853	3,889
2001	30,853	3,955
2002	30,633	4,104

¹ New definition (see headnote).

² Start of data collection on NAICS basis. NAICS (North American Industry Classification System) replaces the old SIC (Standard Industrial Classification) codes.

SOURCES: Hawaii Department of Business, Economic Development & Tourism, *County and District Trends in Hawaii, 1991*, (Statistical Report 224, January 1992), table 18; U.S. Department of Commerce, Bureau of the Census, *County Business Patterns*, CD-ROM 2002 (annual).

11.3.5

SERVICE ESTABLISHMENTS FOR PLACES WITH 2,500 INHABITANTS OR MORE, MAUI COUNTY

Geography	Number of establishments	Sales, Shipments, Receipts, or revenue (\$1,000)	Number of employees	Annual Payroll (\$1,000)
Professional, scientific, and technical services (NAICS 54)				
Maui County	227	75,165	754	25,731
Kaunakakai, Molokai	2	D	0 to 19	D
Haiku-Pauwela	8	545	3	115
Kahului	27	10,423	78	3,277
Kihei	31	6,994	89	2,059
Lahaina	14	3,444	42	1,118
Makawao	7	1,387	24	622
Napili-Honokowai	1	D	0 to 19	D
Pukalani	9	1,733	24	700
Wailea-Makena	11	1,211	12	317
Wailuku	96	45,325	447	16,527
Balance of Maui County	21	D	20 to 99	D
Administrative and support and waste management and remediation services (NAICS 56)				
Maui County	194	89,936	2,022	34,218
Kaunakakai, Molokai	2	D	0 to 19	D
Haiku-Pauwela	4	794	15	217
Kahului	34	26,652	800	10,895
Kihei	28	5,649	107	2,171
Lahaina	30	17,525	363	6,288
Makawao	4	417	4	77
Napili-Honokowai	3	258	6	161
Pukalani	5	849	13	361
Waihee-Waiehu	1	D	0 to 19	D
Wailea-Makena	14	6,804	170	3,965
Wailuku	40	17,948	302	6,278
Balance of Maui County	29	D	100 to 249	D
Educational services (NAICS 61)				
Maui County	33	4,859	91	1,227
Haiku-Pauwela	2	D	0 to 19	D
Kahului	7	952	15	172
Kihei	5	742	8	272
Lahaina	5	707	9	121
Makawao	2	D	0 to 19	D
Pukalani	1	D	0 to 19	D
Wailea-Makena	2	D	0 to 19	D
Wailuku	7	830	17	152
Balance of Maui County	2	D	0 to 19	D
Health care and social assistance (NAICS 62)				
Maui County	230	138,377	1,561	63,875
Lanai	1	D	0 to 19	D
Kaunakakai, Molokai	5	1,220	36	329
Haiku-Pauwela	4	515	3	325
Kahului	60	29,376	355	12,446
Kihei	23	9,386	132	3,327
Lahaina	17	8,516	106	4,949
Makawao	9	1,704	30	595
Pukalani	9	3,552	50	1,127
Wailea-Makena	3	686	3	345
Wailuku	82	77,680	735	38,055
Balance of Maui County	17	D	100 to 249	D

11.3.5

(CONTINUED)

Geography	Number of establishments	Sales, Shipments, Receipts, or revenue (\$1,000)	Number of employees	Annual Payroll (\$1,000)
Arts, entertainment, and recreation (NAICS 71)				
Maui County	80	78,144	945	20,139
Haiku-Pauwela	1	D	0 to 19	D
Kahului	6	3,359	61	931
Kihei	18	11,712	186	3,505
Lahaina	21	35,398	260	8,327
Makawao	2	D	0 to 19	D
Napili-Honokowai	1	D	0 to 19	D
Pukalani	2	D	20 to 99	D
Wailea-Makena	5	D	100 to 249	D
Wailuku	8	D	100 to 249	D
Balance of Maui County	16	D	20 to 99	D
Accommodation and foodservices (NAICS 72)				
Maui County	420	1,130,702	17,951	364,380
Lanai	2	D	20 to 99	D
Molokai	4	3,922	143	1,540
Kaunakakai, Molokai	5	D	20 to 99	D
Haiku-Pauwela	3	932	28	199
Kahului	63	56,199	1,162	15,285
Kihei	74	82,830	1,639	27,889
Lahaina	100	218,043	3,514	60,212
Makawao	7	D	20 to 99	D
Napili-Honokowai	22	76,654	1,123	21,087
Pukalani	10	4,534	129	1,083
Wailea-Makena	19	209,787	2,725	66,079
Wailuku	51	D	250 to 499	D
Balance of Maui County	60	454,709	6,885	165,067
Other services (except public administration) (NAICS 81)				
Maui County	163	54,180	884	16,187
Lanai	1	D	0 to 19	D
Kaunakakai, Molokai	2	D	0 to 19	D
Haiku-Pauwela	4	960	11	178
Kahului	35	18,293	341	6,323
Kihei	18	3,952	52	1,099
Lahaina	19	4,539	65	1,212
Makawao	3	D	0 to 19	D
Napili-Honokowai	2	D	0 to 19	D
Pukalani	8	1,051	14	213
Wailea-Makena	8	1,856	28	537
Wailuku	46	18,164	321	5,686
Balance of Maui County	17	D	20 to 99	D

D: Withheld to avoid disclosing data for individual companies.

Source: U.S. Bureau of Census, 1997 Economic Census, Economic-Wide Key Statistics: 1997

11.3.6

SERVICE ESTABLISHMENTS BY TYPE AND LOCATION

Based on primary North American Industrial Classification System (NAICS code and zip code)

Establishment Type, 2001							
Location / Number		Location / Number		Location / Number		Totals	
Professional, scientific & technical services (NAICS 541—)							
Haiku	12	Kula	16	Paia	11		
Kahului	44	Lahaina	22	Wailuku	115		
Kihei	54	Makawao	28	Hana	1	Maui subtotal	303
Kaunakakai	8	Maunaloa	1	Lanai City	2	Total	314
Management of companies & enterprises (NAICS 551—)							
Kahului	2	Kihei	1	Lahaina	8		
Wailuku	1					Total	12
Administrative & support services (NAICS 561—)							
Haiku	10	Kihei	57	Makawao	19		
Hana	1	Kula	7	Paia	3		
Kahului	46	Lahaina	42	Wailuku	46	Maui subtotal	231
Kaunakakai	4	Lanai City	3			Total	238
Waste management & remediation services (NAICS 562—)							
Kahului	6	Makawao	2	Wailuku	4		
Kihei	2	Lahaina	1	Paia	1	Maui subtotal	16
Hoolehua	1	Lanai City	1			Total	18
Educational services (NAICS 611—)							
Haiku	5	Kula	6	Paia	1		
Kahului	13	Lahaina	9	Wailuku	11	Maui subtotal	69
Kihei	14	Makawao	8	Hana	2	Total	70
Kaunakakai	1						
Ambulatory health care services (NAICS 621—)							
Haiku	5	Kihei	26	Makawao	20		
Hana	1	Kula	6	Paia	2		
Kahului	66	Lahaina	22	Wailuku	89	Maui subtotal	237
Kaunakakai	6	Kualapuu	1	Lanai City	3	Total	247
Hospitals (NAICS 622—)							
Wailuku	1	Lanai City	1			Maui subtotal	1
Kaunakakai	1					Total	3
Nursing & residential care facilities (NAICS 623—)							
Kahului	3	Lahaina	2	Wailuku	3		
Kihei	3	Makawao	2			Total	13
Social assistance (NAICS 624—)							
Hana	1	Kula	1	Paia	3		
Kahului	9	Lahaina	4	Wailuku	23		
Kihei	6	Makawao	6	Haiku	2		
Hoolehua	1	Kaunakakai	5	Kualapuu	3	Maui subtotal	55
Lanai City	2					Total	66
Performing arts, spectator sports, & related industries (NAICS 711—)							
Haiku	4	Kula	2	Makawao	2		
Kahului	2	Lahaina	8	Wailuku	6		
Kihei	4					Total	28

11.3.6

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Establishment Type, 2001							
Location / Number		Location / Number		Location / Number		Totals	
Museums, historical sites & like institutions (NAICS 712—)							
Hana	2	Kula	3	Wailuku	3		
Kahului	2	Makawao	2	Lahaina	1	Maui subtotal	13
Kualapuu	1					Total	14
Amusement, gambling & recreation industries (NAICS 713—)							
Hana	2	Kula	1	Paia	2		
Kahului	10	Lahaina	14	Wailuku	5		
Kihei	16	Makawao	4	Haiku	1	Total	55
Accommodation (NAICS 721—)							
Haiku	4	Kihei	20	Lahaina	28		
Hana	2	Kula	3	Wailuku	2	Maui subtotal	62
Kahului	3					Total	70
Kaunakakai	3	Maunaloa	4	Lanai City	1		
Food services & drinking places (NAICS 722—)							
Haiku	4	Kihei	88	Makawao	16		
Hana	1	Kula	3	Paia	10		
Kahului	68	Lahaina	110	Wailuku	59	Maui subtotal	359
Kaunakakai	9	Maunaloa	1			Total	373
Lanai City	3	Kualapuu	1				
Repair & maintenance (NAICS 811—)							
Haiku	3	Kula	1	Makawao	3		
Kahului	31	Lahaina	4	Wailuku	27		
Kihei	9	Paia	1			Maui subtotal	79
Kaunakakai	1					Total	80
Personal & laundry services (NAICS 812—)							
Haiku	1	Kula	1	Makawao	7		
Kahului	22	Lahaina	21	Wailuku	19		
Kihei	22					Total	93
Religious, grantmaking, civic, prof & like organizations (NAICS 813—)							
Haiku	3	Kihei	66	Makawao	7		
Hana	3	Kula	6	Paia	6		
Kahului	32	Lahaina	70	Wailuku	42	Maui subtotal	235
Hoolehua	2	Kaunakakai	9	Maunaloa	1	Total	252
Lanai City	5						
						Grand Total	1,946

NOTE: Pukalani is combined with Makawao, and Puunene with Kahului.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Zip Code Business Patterns 2002*, on CD-ROM.

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