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# **MAUI COUNTY DATA BOOK**

## **2016**

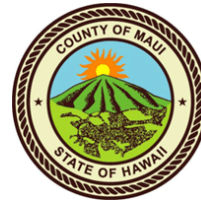
COUNTY OF MAUI  
OFFICE OF ECONOMIC DEVELOPMENT

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## OFFICE OF THE MAYOR

County of Maui  
200 South High Street  
Wailuku, Maui, Hawai'i 96793

### A MESSAGE FROM MAYOR ALAN M. ARAKAWA

Aloha kākou –

On behalf of the people of the County of Maui, it is my pleasure to present the 2016 edition of the Maui County Data Book.

The Maui County Data Book is the definitive statistical reference work on Maui Nui – Kaho'olawe, Lāna'i, Maui and Moloka'i. It contains tables and statistics covering a broad spectrum of demographics and economic activity. The findings presented in this book will help the reader in numerous ways: look up a fact, compare statistics over time, prepare for a grant, back up a business plan, decide where to start a business and, with the addition of community input, gain a better understanding of what we as Mauians define as Maui Nui.

The valuable information contained in the 2016 Maui County Data Book is possible through the vital working partnership of the Hawai'i Small Business Development Center Network's Hawai'i Business Research Library in Kihei and the County of Maui Mayor's Office of Economic Development. Together they provide the most up-to-date data critical to informed decision-making by both prospective and established businesses in our community.

As with earlier editions of the Maui County Data Book, the 2016 edition is available online at our Maui County Website at [www.mauicounty.gov/oed/links](http://www.mauicounty.gov/oed/links), and at the Hawai'i Business Research Library's Website at:

[www.hisbdc.org/BusinessResearchLibrary/MauiCountyDataBook2016.aspx](http://www.hisbdc.org/BusinessResearchLibrary/MauiCountyDataBook2016.aspx).

We hope you use this resource often to help you start-up, grow and expand upon your exciting business idea.

Sincerely,

A handwritten signature in black ink that reads "Alan Arakawa". The signature is fluid and cursive, written over a white background.

**ALAN M. ARAKAWA**  
Mayor, County of Maui

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This publication has been compiled under the direction of the Maui County Office of Economic Development and is partially supported and some material is based upon work supported by the U.S. Small Business Administration and the University of Hawai'i at Hilo under Cooperative Agreement SBAHQ-17-0048. Any opinions, findings and conclusions or recommendations expressed in this publication are those of the authors and do not necessarily reflect the view of the U.S. Small Business Administration or other sponsors.

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Copies of this book are available from:  
Hawai'i Business Research Library  
Maui Research & Technology Center  
590 Lipoa Parkway, Suite 264, Kīhei, HI 96753  
Call (808) 875-5990 Email: [library@hisbdc.org](mailto:library@hisbdc.org)

The price per copy is \$20.00 when picked up in person, and \$25.00 by first-class mail.

An online version is available in Adobe Acrobat format (only) at:  
<http://www.hisbdc.org/BusinessResearchLibrary/MauiCountyDataBook2016.aspx>

The State of Hawai'i Data Book is available online through the State of Hawai'i Department of Business, Economic Development and Tourism. The tables are available at <http://dbedt.hawaii.gov/economic/databook>

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## ABOUT THIS EDITION

We hope you find the 2016 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 twenty-fifth edition of the Data Book is produced by the Hawai'i Small Business Development Center (SBDC) Network, Hawai'i 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.hisbdc.org/BusinessResearchLibrary/MauiCountyDataBook2016.aspx>). In addition to compiling and updating the Data Book, the Hawai'i 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.

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 Hawai'i Data Book (<http://dbedt.hawaii.gov/economic/databook/>) annually through the Hawai'i State Department of Business, Economic Development and Tourism. The Hawai'i State Office of Hawaiian Affairs publishes the Native Hawaiian Data Book (<http://www.ohadatabook.com>).

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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## VISITOR INDUSTRY & RECREATION

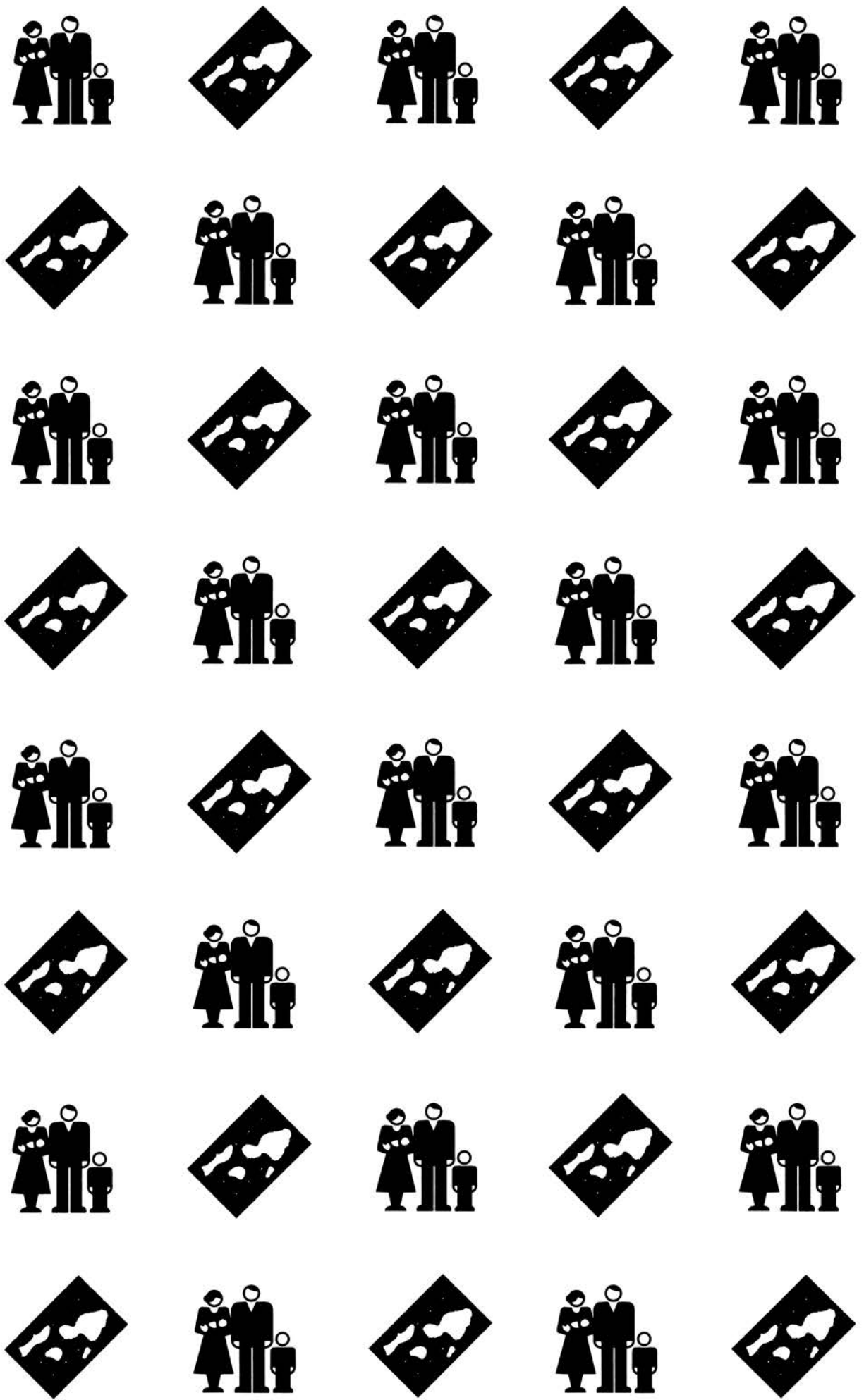
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# General Statistics



## 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 resident population, de facto population (the number of people actually in the county), district, density, age, race and sex.

Population statistics are based on the 2010 census figures modified by provisional estimates supplied by the American Community Survey, also a product of the U.S. Census Bureau.

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. Census Bureau, estimates developed by the Hawai'i State Department of Business, Economic Development and Tourism, U.S. Department of Commerce, Hawai'i State Department of Health, and the U.S. Bureau of Labor Statistics CPI Reports.

1.1.1

MAUI COUNTY STATISTICS

	Unit	Measure	2011	2012	2013	2014	2015	2016	% Change 16/15	% Change 11/16
Resident Population <sup>1</sup>	Number	July 1	156,891	158,599	161,036	163,487	164,726	165,474	0.4%	5.4%
Civilian Labor Force <sup>2</sup>	Number	An. Avg.	80,500	79,150	79,650	82,350	83,850	85,450	1.9%	6.1%
Employed	Number	An. Avg.	74,150	74,100	75,550	78,600	80,750	82,750	2.5%	11.6%
Unemployed	Number	An. Avg.	6,400	5,100	4,100	3,750	3,100	2,700	-12.9%	-57.8%
Percent Unemployed	Percent	An. Avg.	7.9	6.4	5.1	4.5	3.7	3.2	-13.5%	-59.5%
Total Job Count <sup>3</sup>	Number	An. Avg.	65,700	68,000	69,900	71,400	73,300	74,600	1.8%	13.5%
Gross Business Receipts	Mil. \$	Total	5,500.9	5,649.0	5,617.2	5,608.8	5,738.4	5,320.0	-7.3%	-3.3%
State Tax Collections	Thous. \$	Total	298,286	374,750	385,233	366,718	404,645	410,826	1.5%	37.7%
County Tax Collections <sup>4</sup>	Thous. \$	Total	244,852	238,829	246,315	255,440	268,178	280,825	4.7%	14.7%
Tourism <sup>5</sup>										
Estimated Domestic Visitors	Thous.	Total	1,869	1,953	1,959	2,005	2,116	2,172	2.6%	16.2%
Estimated International Visitors	Thous.	Total	342	401	443	445	463	468	1.1%	36.8%
Hotel Inventory	Number	An. Avg.	21,745	20,441	18,691	18,694	21,413	21,899	2.3%	0.7%
Hotel Occupancy	Percent	An. Avg.	70.1	72.4	71.7	72.0	74.5	75.9	1.9%	8.3%
Single Family Home Sales	Number	Total	898	933	980	943	1,089	1,076	-1.2%	19.8%
Condominium Sales	Dollars	Median	433,500	470,000	530,000	570,000	580,000	636,750	9.8%	46.9%
	Number	Total	1,155	1,248	1,334	1,199	1,199	1,310	9.3%	13.4%
	Dollars	Median	310,000	358,995	374,500	415,000	410,000	415,000	1.2%	33.9%
Household Income	Dollars	Median	60,147	61,207	65,558	67,013	66,476	NA	NA	NA
Per Capita Income <sup>6</sup>	Dollars	Total	36,675	39,216	38,674	40,306	42,430	NA	NA	NA
Monthly Mortgage Payment	Dollars	Median	2,309	2,325	2,261	2,164	2,225	NA	NA	NA
Monthly Rent	Dollars	Median	1,173	1,241	1,292	1,238	1,418	NA	NA	NA
Private Building Permits	Thous. \$	Total	243,683	366,994	325,014	443,617	731,491	384,686	-47.4%	57.9%

1. Revised estimates by the U.S. Census Bureau for 2011 to 2015.

2. Data for 2012 to 2016 reflect revised population controls and model reestimation.

3. Refers to number of jobs rather than number of persons employed (self-employed not counted in jobs count).

4. Fiscal year ending June 30. 5. Preliminary data for 2016. 6. Revised estimates. Includes Kalawao. In current dollars, not adjusted for inflation. NA: Not available

1.1.2

**CENSUS BUREAU QUICK FACTS  
MAUI COUNTY & STATE OF HAWAII**

<b>Category</b>	<b>Maui County</b>	<b>State of Hawai'i</b>
<b>Population</b>		
Population estimates, July 1, 2016	165,386	1,428,557
Population, percent change, April 1, 2010 to July 1, 2016	6.8%	5.0%
Population, Census, April 1, 2010	154,834	1,360,301
Persons under 5 years, percent, July 1, 2016	6.1%	6.4%
Persons under 18 years, percent, July 1, 2016	22.1%	21.6%
Persons 65 years and over, percent, July 1, 2016	16.6%	17.1%
Female persons, percent, July 1, 2016	50.1%	49.8%
White alone, percent, July 1, 2016 <sup>(a)</sup>	34.9%	25.8%
Black or African American alone, percent, July 1, 2016 <sup>(a)</sup>	0.8%	2.2%
American Indian and Alaska Native alone, percent, July 1, 2016 <sup>(a)</sup>	0.6%	0.4%
Asian alone, percent, July 1, 2016 <sup>(a)</sup>	28.9%	37.7%
Native Hawaiian and Other Pacific Islander alone, percent, July 1, 2016 <sup>(a)</sup>	11.0%	10.2%
Two or more races, percent, July 1, 2016	23.8%	23.7%
Hispanic or Latino, percent, July 1, 2016 <sup>(b)</sup>	11.1%	10.4%
White alone, not Hispanic or Latino, percent, July 1, 2016	30.5%	22.1%
<b>General</b>		
Living in same house 1 year ago, pct of persons age 1 year+, 2011-2015	85.4%	85.1%
Foreign born persons, percent, 2011-2015	17.9%	17.7%
Language other than English spoken at home, percent age 5+, 2011-2015	21.8%	25.2%
High school graduate or higher, percent of persons age 25+, 2011-2015	91.5%	91.0%
Bachelor's degree or higher, percent of persons age 25+, 2011-2015	26.1%	30.8%
Veterans, 2011-2015	9,451	110,238
Mean travel time to work (minutes), workers age 16+, 2011-2015	21.3	26.8
<b>Housing</b>		
Housing units, July 1, 2016	72,138	537,114
Owner-occupied housing unit rate, 2011-2015	57.7%	56.9%
Median value of owner-occupied housing units, 2011-2015	\$509,700	\$515,300
Households, 2011-2015	53,463	450,572
Persons per household, 2011-2015	2.96	3.02
Per capita income in past 12 months (in 2015 dollars), 2011-2015	\$29,664	\$29,822
Median household income (in 2015 dollars), 2011-2015	\$66,476	\$69,515
Persons in poverty, percent <sup>2</sup>	10.7%	10.6%



## 1.1.2

## CONTINUED

Category	Maui County	State of Hawai'i
<b>Business</b>		
Total employer establishments, 2015	4,545	31,915 <sup>1</sup>
Total employment, 2015	61,991	523,677 <sup>1</sup>
Total employment, percent change, 2014-2015	-2.3%	0.9% <sup>1</sup>
Total nonemployer establishments, 2015	16,174	104,707
All firms, 2012	17,146	118,454
Men-owned firms, 2012	8,126	60,409
Women-owned firms, 2012	6,791	44,453
Minority-owned firms, 2012	6,782	74,208
Nonminority-owned firms, 2012	9,341	38,510
Veteran-owned firms, 2012	1,575	11,148
Nonveteran-owned firms, 2012	14,447	101,334
Total manufacturers shipments, 2012 (\$1000)	D	D
Total merchant wholesaler sales, 2012 (\$1000)	714,580	9,607,982
Total retail sales, 2012 (\$1000)	D	18,901,745
Total retail sales per capita, 2012	NA	\$13,576
Total accommodation and food services sales, 2012 (\$1000)	2,307,504	9,536,706
Building permits, 2016	567	3,369
<b>Geography</b>		
Land area in square miles, 2010	1,161.52	6,422.63
Population per square mile, 2010	133.3	211.8
FIPS Code	15009	15

1. Includes data not distributed by county.

2. This geographic level of poverty is not comparable to other geographic levels of these estimates.

(a) Includes persons reporting only one race.

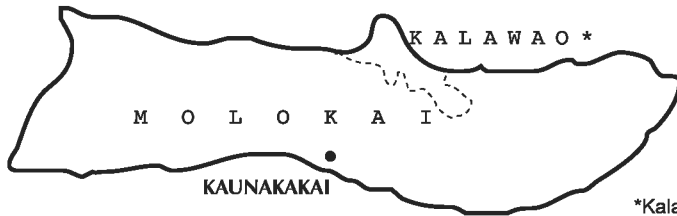
(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information

NA: Not available

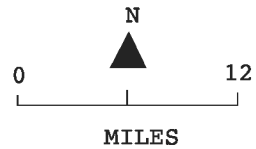
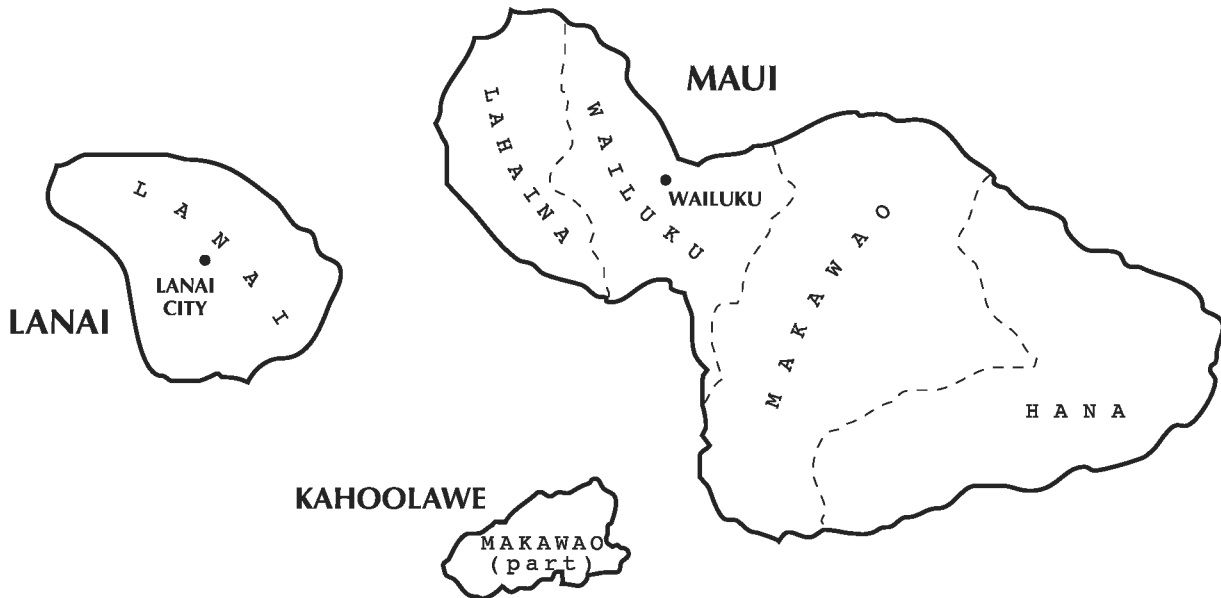
SOURCE: U.S. CENSUS BUREAU, STATE AND COUNTY QUICKFACTS.

# 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

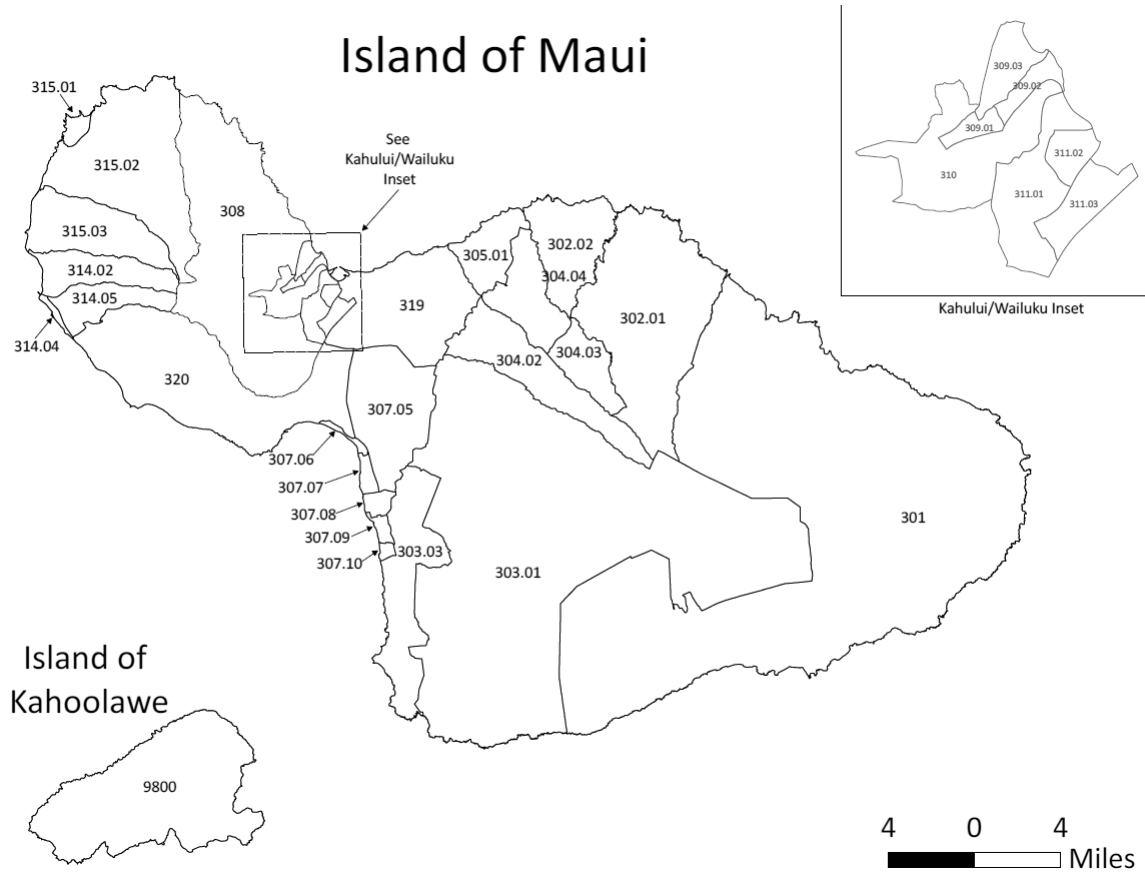


SOURCE: HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, 1991.



1.2.3

MAUI COUNTY CENSUS TRACTS



SOURCE: U.S. CENSUS BUREAU, 2011.

### 1.3.1

## RESIDENT POPULATION BY COUNTY

*Estimates based on place of usual residence; includes armed forces stationed or homeported in Hawai'i and residents temporarily absent, excludes visitors present.*

Date	Maui County <sup>1</sup>	City & County of Honolulu	Hawai'i County	Kaua'i County	State Total
July 1, 1995	117,895	881,399	140,492	57,068	1,196,854
July 1, 1996	120,689	883,443	141,935	57,688	1,203,755
July 1, 1997	122,772	886,711	144,445	57,712	1,211,640
July 1, 1998	124,648	886,909	145,833	57,843	1,215,233
July 1, 1999	126,160	878,906	146,970	58,264	1,210,300
April 1, 2000 <sup>2</sup>	128,241	876,156	148,677	58,463	1,211,537
July 1, 2001 <sup>3</sup>	132,428	882,755	151,690	59,075	1,225,948
July 1, 2002 <sup>3</sup>	134,583	890,473	154,576	59,981	1,239,613
July 1, 2003 <sup>3</sup>	137,596	894,311	158,442	60,805	1,251,154
July 1, 2004 <sup>3</sup>	140,625	907,997	162,852	62,095	1,273,569
July 1, 2005 <sup>3</sup>	143,448	918,181	168,237	62,863	1,292,729
July 1, 2006 <sup>3</sup>	145,776	926,954	173,536	63,465	1,309,731
July 1, 2007 <sup>3</sup>	148,117	925,335	177,733	64,490	1,315,675
July 1, 2008 <sup>3</sup>	151,424	933,680	181,506	65,603	1,332,213
July 1, 2009 <sup>3</sup>	153,393	943,177	183,629	66,518	1,346,717
April 1, 2010 <sup>2</sup>	154,924	953,207	185,079	67,091	1,360,301
July 1, 2011	156,891	966,581	186,961	67,794	1,378,227
July 1, 2012	158,599	976,711	188,780	68,551	1,392,641
July 1, 2013	161,036	986,802	191,224	69,703	1,408,765
July 1, 2014	163,487	992,082	194,016	70,672	1,420,257
July 1, 2015	164,726	998,714	196,428	71,735	1,431,603
July 1, 2016	165,474	992,605	198,449	72,029	1,428,557

1. Including Kalawao County (Kalaupapa Settlement). Kalawao had 147 in 2000, 90 in 2010 and 89 in 2015.

2. Decennial census figure.

3. Population estimates for 2000 through 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011. Population estimates after April 1, 2010 were based on revisions released in March 2016 and may differ somewhat from earlier figures cited in other tables.

SOURCE: U.S. CENSUS BUREAU, POPULATION DIVISION.

## 1.3.2

### DE FACTO POPULATION BY COUNTY

*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 <sup>1</sup>	City & County of Honolulu	Hawai'i County	Kaua'i County	State Total
July 1, 1995	155,144	921,626	152,482	68,844	1,298,096
July 1, 1996	157,468	921,609	154,364	70,474	1,303,915
July 1, 1997	162,011	932,931	161,225	71,763	1,327,930
July 1, 1998	163,562	931,439	165,205	73,920	1,334,125
July 1, 1999	165,743	927,689	164,570	74,441	1,332,442
July 1, 2000 <sup>2</sup>	168,650	926,192	166,429	74,734	1,336,005
July 1, 2001 <sup>2</sup>	168,845	926,713	168,131	73,940	1,337,629
July 1, 2002 <sup>2</sup>	172,302	934,070	171,784	74,895	1,353,051
July 1, 2003 <sup>2</sup>	176,044	931,880	174,683	76,148	1,358,755
July 1, 2004 <sup>2</sup>	180,033	949,262	180,107	78,167	1,387,569
July 1, 2005 <sup>2</sup>	184,987	959,340	188,612	79,561	1,412,500
July 1, 2006 <sup>2</sup>	188,221	967,400	194,008	80,887	1,430,516
July 1, 2007 <sup>2</sup>	189,875	963,577	196,723	83,286	1,433,461
July 1, 2008 <sup>2</sup>	189,331	962,908	198,413	81,968	1,432,620
July 1, 2009 <sup>2</sup>	189,206	972,202	199,047	82,101	1,442,556
July 1, 2010 <sup>3</sup>	194,380	988,147	202,669	83,516	1,468,712
July 1, 2011 <sup>3</sup>	198,732	1,000,755	205,598	85,103	1,490,188
July 1, 2012 <sup>3</sup>	202,153	1,019,495	209,114	87,161	1,517,923
July 1, 2013 <sup>3</sup>	207,429	1,033,171	212,450	89,645	1,542,695
July 1, 2014 <sup>3</sup>	211,652	1,042,913	216,239	90,772	1,561,576
July 1, 2015 <sup>3</sup>	215,439	1,583,148	1,583,148	1,583,148	1,583,148

1. Including Kalawao County. The 2015 de facto population of Kalawao County, the Kalaupapa Settlement on Molokai, was 89.

2. Population estimates for 2000 - 2009 were revised based upon the April 1, 2010 figures which were released September 28, 2011.

3. Revised figures for July 1, 2010 through July 1, 2015.

SOURCE: U.S. CENSUS BUREAU, POPULATION DIVISION; HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, TOURISM RESEARCH BRANCH; HAWAII TOURISM AUTHORITY, TOURISM RESEARCH; CALCULATIONS BY DBEDT.

## 1.3.3

## RESIDENT POPULATION BY COUNTY AND DISTRICT

County and District	April 1, 1990	April 1, 2000	April 1, 2010	Percent Change	
				'90 to '00	'00 to '10
<b>State Total</b>	<b>1,108,229</b>	<b>1,211,537</b>	<b>1,360,301</b>	<b>9.3</b>	<b>12.3</b>
<b>Maui County</b>	<b>100,504</b>	<b>128,241</b>	<b>154,924</b>	<b>27.6</b>	<b>20.8</b>
Hāna	1,895	1,855	2,291	-2.1	23.5
Makawao	29,207	36,476	41,887	24.9	14.8
Wailuku	45,685	61,346	78,110	34.3	27.3
Lahaina	14,574	17,967	22,156	23.3	23.3
Lāna'i	2,426	3,193	3,135	31.6	-1.8
Moloka'i	6,587	7,257	7,255	10.2	0.0
Kalawao	130	147	90	13.1	-38.8
<b>City and Co. of Honolulu</b>	<b>836,231</b>	<b>876,156</b>	<b>953,207</b>	<b>4.8</b>	<b>8.8</b>
Honolulu	377,059	372,279	390,738	-1.3	5.0
Koolaupoko	117,694	117,994	115,164	0.3	-2.4
Koolauloa	18,443	18,899	21,406	2.5	13.3
Waialua	11,549	14,027	13,046	21.5	-7.0
Wahiawā	43,886	38,370	41,216	-12.6	7.4
Wai'anae	37,411	42,259	48,519	13.0	14.8
'Ewa	230,189	272,328	323,118	18.3	18.7
<b>Hawai'i County</b>	<b>120,317</b>	<b>148,677</b>	<b>185,079</b>	<b>23.6</b>	<b>24.5</b>
Puna	20,781	31,335	45,326	50.8	44.6
South Hilo	44,639	47,386	50,927	6.2	7.5
North Hilo	1,541	1,720	2,041	11.6	18.7
Hāmākua	5,545	6,108	6,513	10.2	6.6
North Kohala	4,291	6,038	6,322	40.7	4.7
South Kohala	9,140	13,131	17,627	43.7	34.2
North Kona	22,284	28,543	37,875	28.1	32.7
South Kona	7,658	8,589	9,997	12.2	16.4
Ka'ū	4,438	5,827	8,451	31.3	45.0
<b>Kaua'i County</b>	<b>51,177</b>	<b>58,463</b>	<b>67,091</b>	<b>14.2</b>	<b>14.8</b>
Hanalei	4,631	6,348	7,828	37.1	23.3
Kawaihau	15,627	18,525	20,992	18.5	13.3
Līhu'e	10,663	12,022	14,683	12.7	22.1
Kōloa	11,368	12,845	14,086	13.0	9.7
Waimea	8,888	8,723	9,502	-1.9	8.9

SOURCE: U.S. CENSUS BUREAU.

## 1.3.4

**POPULATION DENSITY  
BY CENSUS TRACT, MAUI COUNTY**

Census Tract	Name	Resident Population	Land Area (sq. miles)	Density per sq. mile
<b>Maui</b>		<b>144,444</b>	<b>771.99</b>	<b>187.1</b>
301	Hāna	2,291	214.03	10.7
302.01	Huelo	2,453	45.60	53.8
302.02	Ha'ikū	7,635	14.25	535.9
303.01	Kula	8,013	166.91	48.0
303.03	Wailea	3,567	19.71	180.9
304.02	Pukalani	8,652	17.85	484.6
304.03	Makawao	3,269	7.27	449.9
304.04	Hāli'imaile	5,609	10.52	533.3
305.01	Pā'ia	2,689	7.66	350.9
307.05	Kīhei Mauka	3,791	19.37	195.7
307.06	Keālia	2,448	0.61	4,033.7
307.07	Waipuilani	8,009	1.18	6,794.5
307.08	Halama	2,909	1.37	2,128.5
307.09	Kamaole	3,727	0.92	4,042.6
307.10	Keawakapu	2,441	0.49	4,969.8
308	Waihe'e-Waipapū	6,907	54.87	125.9
309.01	West Central Wailuku	2,617	0.39	6,677.6
309.02	East Central Wailuku	3,205	0.51	6,341.2
309.03	North Wailuku	6,481	1.02	6,352.7
310	South Wailuku	8,426	3.65	2,310.0
311.01	West Kahului	8,167	2.57	3,172.9
311.02	Central Kahului	5,426	0.67	8,057.5
311.03	Southeast Kahului	7,580	1.27	5,990.3
314.02	Kahoma	3,003	8.98	334.4
314.04	Lahaina	3,250	0.58	5,570.9
314.05	Lahainaluna	5,491	7.24	758.7
315.01	Kapalua	2,368	1.35	1,754.1
315.02	Honokahua	5,036	33.45	150.6
315.03	Honokōwai	2,366	14.80	159.9
319	Spreckelsville	5,624	25.08	224.3
320	Launiupoko	994	43.09	23.1
<b>Lāna'i</b>		<b>3,135</b>	<b>141.07</b>	<b>22.2</b>
316.01	Lāna'i City	3,135	141.07	22.2
<b>Moloka'i</b>		<b>7,345</b>	<b>260.46</b>	<b>28.2</b>
317	East Moloka'i	4,503	122.84	36.7
318.01	West Moloka'i	2,752	125.63	21.9
319	Kalawao	90	11.99	7.5

SOURCE: U.S. CENSUS BUREAU, 2010 CENSUS REDISTRICTING DATA SUMMARY FILE (FEBRUARY 2011).

CALCULATIONS BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.



## 1.3.5

## RESIDENT POPULATION AND HOUSEHOLDS BY CENSUS TRACT, MAUI COUNTY

Census Tract	Name	Resident Population	Households	Persons per Household
<b>Maui</b>		<b>144,444</b>	<b>50,215</b>	<b>2.8</b>
301	Hāna	2,291	823	2.8
302.01	Huelo	2,453	1,013	2.4
302.02	Ha'ikū	7,635	2,908	2.6
303.01	Kula	8,013	3,189	2.5
303.03	Wailea	3,567	1,684	2.1
304.02	Pukalani	8,652	3,064	2.8
304.03	Makawao	3,269	1,225	2.6
304.04	Hāli'imaile	5,609	1,918	2.8
305.01	Pā'ia	2,689	938	2.9
307.05	Kīhei Mauka	3,791	1,111	3.4
307.06	Keālia	2,448	963	2.5
307.07	Waipuilani	8,009	3,094	2.6
307.08	Halama	2,909	1,086	2.6
307.09	Kamaole	3,727	1,842	2
307.10	Keawakapu	2,441	1,109	2.2
308	Waihe'e-Waikapū	6,907	2,089	3.3
309.01	West Central Wailuku	2,617	1,013	2.5
309.02	East Central Wailuku	3,205	1,135	2.7
309.03	North Wailuku	6,481	1,633	4
310	South Wailuku	8,426	3,137	2.7
311.01	West Kahului	8,167	2,091	3.4
311.02	Central Kahului	5,426	1,600	3.1
311.03	Southeast Kahului	7,580	1,998	3.8
314.02	Kahoma	3,003	844	3.5
314.04	Lahaina	3,250	1,352	2.4
314.05	Lahainaluna	5,491	1,355	3.9
315.01	Kapalua	2,368	799	3
315.02	Honokahua	5,036	2,128	2.4
315.03	Honokōwai	2,366	1,042	2.3
319	Spreckelsville	5,624	1,597	3.4
320	Launiupoko	994	435	2.2
<b>Lāna'i</b>		<b>3,135</b>	<b>1,158</b>	<b>2.7</b>
316.01	Lāna'i City	3,135	1,158	2.7
<b>Moloka'i</b>		<b>7,345</b>	<b>2,582</b>	<b>2.8</b>
317	East Moloka'i	4,503	1,671	2.7
318.01	West Moloka'i	2,752	842	3.2
319	Kalawao	90	69	1.3

SOURCE: U.S. CENSUS BUREAU, 2010 CENSUS REDISTRICTING DATA SUMMARY FILE (FEBRUARY 2011).

CALCULATIONS BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.

1.3.6

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

Place	Total Population	White	Black or African American	American Indian & Alaska Native	Asian	Native Hawaiian & Pacific Islander	Some Other Race	Two or More Races
<b>Maui Island</b>	<b>139,528</b>	<b>48,971</b>	<b>800</b>	<b>561</b>	<b>41,460</b>	<b>13,262</b>	<b>2,944</b>	<b>31,530</b>
Haiku-Pauwela CDP	8,118	4,825	27	42	659	573	89	1,903
Hāli'imaile CDP	964	198	1	1	337	114	24	289
Hāna CDP	1,235	274	1	1	62	359	10	528
Kā'anapali CDP	1,045	889	0	1	67	28	5	55
Kahului CDP	26,337	2,620	111	72	13,992	3,341	418	5,783
Kapalua CDP	353	258	2	2	24	35	1	31
Kēōkea CDP	1,612	467	12	10	140	413	11	559
Kīhei CDP	20,881	10,582	244	134	4,533	1,359	633	3,396
Kula CDP	6,452	3,632	31	23	1,049	273	78	1,366
Lahaina CDP	11,704	3,182	62	37	4,627	1,103	503	2,190
Launiupoko CDP	588	427	5	2	46	23	13	72
Ma'alaea CDP	352	275	7	1	34	19	4	12
Mahinahina CDP	880	599	4	2	147	32	14	82
Makawao CDP	7,184	2,742	32	42	1,145	601	70	2,552
Mākena CDP	99	70	0	0	10	3	0	16
Nāpili-Honokōwai CDP	7,261	3,843	64	29	1,443	459	434	989
Olinda CDP	1,084	771	2	14	82	35	9	171
Olowalu CDP	80	35	0	1	11	7	0	26

1.3.6

CONTINUED

Place	Total Population	White	Black or African American	American Indian & Alaska Native	Asian	Native Hawaiian & Pacific Islander	Some Other Race	Two or More Races
Pā'ia CDP	2,668	1,139	5	17	634	206	41	626
Pukalani CDP	7,574	2,513	28	26	1,808	720	135	2,344
Waihe'e-Waiehū CDP	8,841	1,082	19	19	3,388	1,549	102	2,682
Waikapū CDP	2,965	702	11	14	1,006	239	30	963
Wailea CDP	5,938	4,637	41	23	523	116	119	479
Wailuku CDP	15,313	3,209	91	48	5,693	1,655	201	4,416
<b>Moloka'i</b>	<b>6,253</b>	<b>838</b>	<b>25</b>	<b>18</b>	<b>1,087</b>	<b>1,657</b>	<b>20</b>	<b>2,608</b>
Kaunakakai CDP	3,425	526	17	10	762	820	9	1,281
Kualapu'u CDP	2,027	171	6	1	280	669	7	893
Maunaloa CDP	376	52	2	3	31	54	3	231
Ualapu'e CDP	425	89	0	4	14	114	1	203
<b>Lāna'i</b>	<b>3,131</b>	<b>459</b>	<b>5</b>	<b>2</b>	<b>1,742</b>	<b>205</b>	<b>5</b>	<b>713</b>
Lāna'i City CDP	3,102	435	5	2	1,737	205	5	713
Manele CDP	29	24	0	0	5	0	0	0

SOURCE: U.S. CENSUS BUREAU, 2010 CENSUS REDISTRICTING DATA SUMMARY FILE TABLES P1; EXTRACTED BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, HAWAII STATE DATA CENTER.

1.3.7

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

Place	Population	Percent of Total Population							Males per 100 Females
		Under 18	18 to 24	25 to 44	45 to 64	65 and Over	Median Age		
<b>Maui Island</b>									
Haiku-Pauwela CDP	8,118	23.0	7.0	28.3	32.7	9.0	39.6	105.4	
Hāli'imaile CDP	964	24.0	7.6	28.4	26.7	13.4	37.9	98.4	
Hāna CDP	1,235	27.8	8.6	24.4	25.7	13.5	35.2	105.5	
Kā'anapali CDP	1,045	15.4	3.2	13.8	43.2	24.5	54.3	100.6	
Kahului CDP	26,337	24.9	8.9	27.1	23.3	15.9	37.2	97.3	
Kapalua CDP	353	12.5	3.4	16.4	38.8	28.9	56.0	101.7	
Kēōkea CDP	1,612	26.2	7.0	25.4	30.1	11.3	38.7	93.5	
Kīhei CDP	20,881	21.7	7.9	30.4	30.0	10.0	38.4	105.3	
Kula CDP	6,452	20.0	5.2	20.7	39.1	15.0	47.7	98.0	
Lahaina CDP	11,704	23.5	8.6	29.3	26.7	11.9	37.3	104.4	
Launiupoko CDP	588	23.3	4.6	27.4	35.7	9.0	42.6	86.1	
Ma'alaea CDP	352	4.5	2.8	15.3	44.6	32.7	59.1	114.6	
Mahinahina CDP	880	21.4	3.6	36.6	31.5	6.9	39.1	101.8	
Makawao CDP	7,184	24.2	8.1	27.0	29.9	10.8	38.4	96.4	
Mākena CDP	99	16.2	2.0	13.1	53.5	15.2	53.5	98.0	
Nāpili-Honokōwai CDP	7,261	20.7	7.1	33.2	30.0	9.0	38.3	104.7	
Olinda CDP	1,084	18.7	5.2	26.3	36.3	13.6	44.9	116.8	
Olowalu CDP	80	6.3	17.5	28.8	40.0	7.5	44.5	128.6	

1.3.7

CONTINUED

Place	Population	Percent of Total Population							Males per 100 Females
		Under 18	18 to 24	25 to 44	45 to 64	65 and Over	Median Age		
Pā'ia CDP	2,668	20.9	8.3	31.4	28.7	10.7	37.7	106.2	
Pukalani CDP	7,574	24.0	7.3	25.1	31.3	12.4	40.5	101.0	
Waie'e-Waiehū CDP	8,841	26.7	9.6	24.9	29.2	9.7	36.7	98.3	
Waikapū CDP	2,965	31.3	6.6	32.1	23.2	6.7	32.6	99.1	
Wailea CDP	5,938	13.3	3.9	24.0	39.6	19.1	50.5	100.3	
Wailuku CDP	15,313	23.5	6.4	26.2	29.4	14.4	40.8	95.2	
<b>Moloka'i</b>									
Kaunakakai CDP	3,425	23.8	7.2	19.4	29.3	20.3	44.8	92.2	
Kualapu'u CDP	2,027	30.9	8.9	22.2	24.8	13.3	34.0	97.4	
Maunaloa	376	37.5	11.2	20.5	26.3	4.5	25.6	105.5	
Ualapu'e CDP	425	30.4	5.9	23.8	27.8	12.2	36.7	115.7	
<b>Lāna'i</b>									
Lāna'i City CDP	3,102	26.2	5.8	26.3	26.9	14.9	38.4	104.2	
Manele CDP	29	3.4	3.4	3.4	51.7	37.9	62.5	107.1	

SOURCE: U.S. CENSUS BUREAU, 2010 CENSUS REDISTRICTING DATA SUMMARY FILE TABLES P1; EXTRACTED BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, HAWAII STATE DATA CENTER.

## 1.3.8

**POPULATION BY RACE  
MAUI COUNTY**

<b>2015</b>	<b>Estimate</b>	<b>Percent</b>
<b>Total Population</b>	<b>164,593</b>	<b>100%</b>
One race	124,864	75.86%
Two or more races	39,729	24.14%
<b>One Race</b>	<b>124,864</b>	<b>75.86%</b>
White	61,299	37.24%
Black or African American	1,145	0.70%
American Indian and Alaska Native	166	0.10%
Asian	45,384	27.57%
Asian Indian	0	0.00%
Chinese	994	0.60%
Filipino	28,450	17.29%
Japanese	11,575	7.03%
Korean	739	0.45%
Vietnamese	562	0.34%
Other Asian	3,064	1.86%
Native Hawaiian and other Pacific Islander	15,545	9.44%
Native Hawaiian	12,563	7.63%
Guamanian or Chamorro	0	0.00%
Samoan	802	0.49%
Other Pacific Islander	2,180	1.32%
Some other race	1,325	0.81%
<b>Hispanic or Latino (of Any Race)</b>	<b>18,488</b>	<b>11.23%</b>
Mexican	11,776	7.15%
Puerto Rican	3,256	1.98%
Cuban	77	0.05%
Other Hispanic or Latino	3,379	2.05%
<b>Two or More Races</b>	<b>39,729</b>	<b>24.14%</b>
White and Black or African American	725	0.44%
White and American Indian and Alaska Native	1,586	0.96%
White and Asian	9,311	5.66%
Black or African American and American Indian and Alaska Native	63	0.04%

SOURCE: U.S. CENSUS BUREAU, 2015 AMERICAN COMMUNITY SURVEY.

1.3.9

**COMPONENTS OF CHANGE IN THE RESIDENT  
POPULATION OF MAUI COUNTY**

<b>Change</b>	<b>Births</b>	<b>Deaths</b>	<b>Natural Increase</b>	<b>Net International Migration</b>	<b>Net Domestic Migration</b>	<b>Numeric Population Change</b>
7/1/2004 to 7/1/2005	1,914	919	995	577	473	1,901
7/1/2005 to 7/1/2006	1,937	865	1,072	570	-111	1,413
7/1/2006 to 7/1/2007	2,080	977	1,103	512	-107	1,486
7/1/2007 to 7/1/2008	2,137	1,032	1,105	489	788	2,370
7/1/2008 to 7/1/2009	2,174	936	1,238	423	-579	1,113
7/1/2009 to 7/1/2010	2,046	966	1,080	414	-387	1,131
7/1/2010 to 7/1/2011	2,037	989	1,048	433	164	1,639
7/1/2011 to 7/1/2012	2,023	1,060	963	500	106	1,560
7/1/2012 to 7/1/2013	1,983	1,217	766	515	774	2,162
7/1/2013 to 7/1/2014	2,046	1,253	793	711	807	2,228
7/1/2014 to 7/1/2015	2,091	1,270	821	869	-570	1,239
7/1/2015 to 7/1/2016	1,933	1,329	604	798	-262	1,117

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 Domestic Migration is the difference between domestic in-migration to an area and domestic out-migration from it during the period. Domestic in-migration and out-migration consist of moves where both the origins and destinations are within the United States (excluding Puerto Rico).

SOURCE: U.S. CENSUS BUREAU, POPULATION DIVISION, VINTAGE 2010 POPULATION ESTIMATES: STATE AND COUNTY COMPONENTS OF POPULATION CHANGE: APRIL 1, 2000 TO JULY 1, 2010 (RELEASED MARCH 2012), ESTIMATES OF THE COMPONENTS OF RESIDENT POPULATION CHANGE: APRIL 1, 2010 TO JULY 1, 2016.

1.3.10

**MARRIAGES BY RESIDENCY  
MAUI COUNTY**

<b>Residency</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
One or both is a resident	958	889	903	890	975		
Both are non-residents	5,950	6,199	5,827	5,442	6,023		
One or both is a non-resident <sup>1</sup>						5,353	5,226
Both are residents						822	810
<b>Total</b>	<b>6,908</b>	<b>7,088</b>	<b>6,730</b>	<b>6,332</b>	<b>6,998</b>	<b>6,175</b>	<b>6,036</b>

1. The definition differs from previous non-resident marriage data.

SOURCE: STATE OF HAWAII, DEPARTMENT OF HEALTH, VITAL STATISTICS.

1.3.11

**MARRIAGES WHERE BOTH ARE NON-RESIDENTS  
MAUI COUNTY**

	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015<sup>1</sup></b>	<b>2016<sup>1</sup></b>
January	365	317	319	359	297	317
February	379	407	360	412	355	336
March	424	436	426	439	381	356
April	499	508	514	537	431	454
May	646	659	581	667	678	605
June	588	522	467	571	451	478
July	507	436	454	490	438	404
August	495	499	433	492	448	428
September	667	530	587	607	536	550
October	596	643	520	661	592	548
November	692	425	427	416	408	400
December	341	445	354	372	338	350

1. Where one or both is a non-resident, starting January 2015.

SOURCE: STATE OF HAWAII, DEPARTMENT OF HEALTH, VITAL STATISTICS.



1.3.12

**LIVE BIRTHS BY ZIP CODE  
MAUI COUNTY**

*Calendar year and place of mother's residence*

<b>Zip Code</b>	<b>Location</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Maui Island</b>							
96708	Ha'ikū	121	126	123	132	121	114
96713	Hāna	32	22	26	25	32	31
96732	Kahului	383	351	391	384	371	328
96753	Kīhei	283	330	282	292	254	237
96761	Lahaina	288	302	265	326	302	313
96768	Makawao/Pukalani	208	199	234	199	205	192
96779	Pā'ia	42	45	37	31	27	33
96788	Pukalani	9	15	9	8	n/r	n/r
96790	Kula	95	81	88	107	88	94
96793	Wailuku	403	395	399	411	425	396
<b>Lāna'i</b>							
96763	Lāna'i City	31	32	44	42	46	48
<b>Moloka'i</b>							
96729	Ho'olehua	19	14	24	16	11	15
96748	Kaunakakai	67	66	57	61	73	64
96757	Kualapu'u	12	8	11	12	6	15
96770	Maunaloa	10	n/r	15	10	12	12
	Unknown	n/r	12	4	0	0	2
<b>Total</b>		<b>2,003</b>	<b>1,998</b>	<b>2,009</b>	<b>2,056</b>	<b>1,973</b>	<b>1,894</b>

n/r: Not reportable, where number of births between 1 and 5.

SOURCE: HAWAII HEALTH DATA WAREHOUSE; HAWAII STATE DEPARTMENT OF HEALTH, OFFICE OF HEALTH STATUS MONITORING, VITAL STATISTICS, LIVE BIRTHS BY MOTHER'S ZIP CODE.

## 1.3.13

## CHARACTERISTICS OF LIVE BIRTHS MAUI COUNTY

Characteristic	2013	Percent	2014	Percent	2015	Percent
<b>Total</b>	<b>2,056</b>	<b>100%</b>	<b>1,977</b>	<b>100%</b>	<b>1,894</b>	<b>100%</b>
<b>Births by Area of Residence</b>						
Maui County	2,056	100%	1,979	100%	1,894	100%
Maui	1,915	93.1%	1,831	92.5%	1,738	91.8%
Moloka'i	99	4.8%	102	5.2%	106	5.6%
Lāna'i	42	2.0%	46	2.3%	48	2.5%
<b>Ethnicity of Child</b>						
Caucasian	373	18.1%	336	17.0%	348	18.4%
Native Hawaiian	921	44.8%	865	43.8%	838	44.2%
Chinese	19	0.9%	29	1.5%	19	1.0%
Filipino	331	16.1%	391	19.8%	317	16.7%
Japanese	95	4.6%	83	4.2%	79	4.2%
All others	317	15.4%	273	13.8%	293	15.5%
<b>Ethnicity of Mother</b>						
Caucasian	502	24.4%	481	24.3%	499	26.3%
Native Hawaiian	725	35.3%	627	31.7%	624	32.9%
Chinese	22	1.1%	23	1.2%	25	1.3%
Filipino	390	19.0%	434	22.0%	360	19.0%
Japanese	108	5.3%	112	5.7%	95	5.0%
All others	309	15.0%	300	15.2%	291	15.4%

SOURCE: HAWAII HEALTH DATA WAREHOUSE; HAWAII STATE DEPARTMENT OF HEALTH, OFFICE OF HEALTH STATUS MONITORING, VITAL STATISTICS.

1.3.14

**TOTAL RESIDENT POPULATION PROJECTIONS  
BY 5-YEAR AGE GROUP, MAUI COUNTY 2010-2040**

Age Group (Years)	2010 <sup>1</sup>	2015	2020	2025	2030	2035	2040
0 - 4	9,989	11,320	12,156	13,010	13,891	14,871	15,858
5 - 9	9,845	10,382	11,714	12,551	13,405	14,285	15,266
10 - 14	9,842	10,178	10,716	12,048	12,884	13,739	14,619
15 - 19	9,430	10,311	10,648	11,187	12,519	13,356	14,210
20 - 24	8,394	10,480	11,362	11,700	12,240	13,571	14,408
25 - 29	10,199	9,409	11,490	12,374	12,714	13,254	14,584
30 - 34	10,460	10,804	10,021	12,098	12,982	13,323	13,864
35 - 39	10,297	10,929	11,275	10,500	12,572	13,456	13,799
40 - 44	11,098	10,675	11,309	11,662	10,896	12,960	13,844
45 - 49	11,826	11,396	10,986	11,628	11,986	11,234	13,285
50 - 54	12,324	12,000	11,589	11,200	11,844	12,208	11,473
55 - 59	11,635	12,395	12,098	11,720	11,352	12,001	12,373
60 - 64	9,893	11,581	12,342	12,092	11,747	11,405	12,058
65 - 69	6,830	9,640	11,281	12,044	11,838	11,532	11,223
70 - 74	4,414	6,479	9,123	10,694	11,446	11,293	11,037
75 - 79	3,260	4,062	5,960	8,399	9,881	10,616	10,522
80 - 84	2,772	2,749	3,458	5,103	7,222	8,556	9,257
85 +	2,706	3,216	3,487	4,187	5,888	8,548	11,181
<b>Total</b>	<b>155,214</b>	<b>168,007</b>	<b>181,017</b>	<b>194,197</b>	<b>207,307</b>	<b>220,209</b>	<b>232,863</b>

Share (%)	2010 <sup>1</sup>	2015	2020	2025	2030	2035	2040
0 - 4	6.4	6.7	6.7	6.7	6.7	6.8	6.8
5 - 9	6.3	6.2	6.5	6.5	6.5	6.5	6.6
10 - 14	6.3	6.1	5.9	6.2	6.2	6.2	6.3
15 - 19	6.1	6.1	5.9	5.8	6.0	6.1	6.1
20 - 24	5.4	6.2	6.3	6.0	5.9	6.2	6.2
25 - 29	6.6	5.6	6.3	6.4	6.1	6.0	6.3
30 - 34	6.7	6.4	5.5	6.2	6.3	6.1	6.0
35 - 39	6.6	6.5	6.2	5.4	6.1	6.1	5.9
40 - 44	7.2	6.4	6.2	6.0	5.3	5.9	5.9
45 - 49	7.6	6.8	6.1	6.0	5.8	5.1	5.7
50 - 54	7.9	7.1	6.4	5.8	5.7	5.5	4.9
55 - 59	7.5	7.4	6.7	6.0	5.5	5.4	5.3
60 - 64	6.4	6.9	6.8	6.2	5.7	5.2	5.2
65 - 69	4.4	5.7	6.2	6.2	5.7	5.2	4.8
70 - 74	2.8	3.9	5.0	5.5	5.5	5.1	4.7
75 - 79	2.1	2.4	3.3	4.3	4.8	4.8	4.5
80 - 84	1.8	1.6	1.9	2.6	3.5	3.9	4.0
85 +	1.7	1.9	1.9	2.2	2.8	3.9	4.8
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

1. July estimates, Source : U.S. Census Bureau.

SOURCE: STATE OF HAWAII, DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT, AND TOURISM, RESEARCH AND ECONOMIC ANALYSIS DIVISION, "POPULATION AND ECONOMIC PROJECTIONS FOR THE STATE OF HAWAII TO 2040", MARCH 2012.

1.3.15

**ECONOMIC PROJECTIONS  
MAUI COUNTY 2010 TO 2040**

	2010	2015	2020	2025	2030	2035	2040
<b>Total Personal Income<sup>1</sup></b>	4,670	5,300	5,950	6,620	7,300	7,970	8,620
<b>Total Civilian Wage and Salary Jobs</b>	69,160	73,230	77,140	80,670	84,170	87,470	90,700
Agriculture	1,910	1,910	1,910	1,910	1,900	1,890	1,880
Mining and construction	2,840	2,980	3,110	3,210	3,290	3,370	3,440
Food processing	600	620	630	640	650	650	660
Other manufacturing	410	410	400	390	390	380	370
Transportation	2,600	2,720	2,810	2,860	2,920	2,970	3,020
Information	760	760	810	850	890	930	970
Utilities	440	470	500	530	560	580	610
Wholesale trade	1,410	1,470	1,520	1,560	1,600	1,630	1,660
Retail trade	9,000	9,250	9,450	9,600	9,710	9,780	9,830
Finance and insurance	830	860	880	890	900	900	900
Real estate and rentals	1,690	1,670	1,660	1,640	1,610	1,590	1,560
Professional services	1,420	1,530	1,630	1,720	1,800	1,880	1,950
Business services	4,910	5,580	6,290	7,010	7,740	8,470	9,220
Educational services	1,130	1,280	1,440	1,600	1,770	1,930	2,090
Health services	5,160	5,890	6,660	7,440	8,240	9,020	9,790
Arts and entertainment	1,840	1,910	1,950	1,980	1,990	2,000	2,010
Hotels	10,430	10,910	11,280	11,530	11,790	12,060	12,330
Eating and drinking	7,680	8,290	8,830	9,310	9,780	10,230	10,670
Other services	3,210	3,320	3,390	3,440	3,480	3,480	3,480
Government	10,900	11,420	11,980	12,560	13,140	13,700	14,250
Visitor arrivals (1,000)	2,123	2,410	2,540	2,660	2,780	2,910	3,050
Visitor days (1,000)	17,293	19,290	20,290	21,240	22,230	23,280	24,370
Visitor expenditures <sup>1</sup>	2,478	3,004	3,187	3,339	3,499	3,665	3,840
Visitor units	20,068	20,070	20,070	21,040	22,020	23,060	24,070
Hotel occupancy rate	68.1	76.4	80.2	80.3	80.3	80.3	80.3

Notes: \*Projected values were rounded to the nearest ten. County figures for 2010 are DBEDT estimates.  
1. In million 2005 dollars.

SOURCE: STATE OF HAWAII, DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, RESEARCH AND ECONOMIC ANALYSIS DIVISION,  
"POPULATION AND ECONOMIC PROJECTIONS FOR THE STATE OF HAWAII TO 2040", MARCH 2012.

## 1.4.1

## PERSONAL INCOME, TOTAL AND PER CAPITA BY COUNTY

Year	Maui County <sup>1</sup>	City & County of Honolulu	Hawai'i County	Kaua'i County	State Total
<b>Total Personal Income, in \$1,000</b>					
2001	3,519,943	28,660,560	3,502,791	1,531,179	37,214,473
2002	3,718,172	29,908,194	3,707,860	1,588,012	38,922,238
2003	3,957,716	31,185,936	3,926,303	1,693,760	40,763,715
2004	4,328,618	33,375,168	4,365,672	1,882,715	43,952,173
2005	4,689,946	35,680,948	4,831,982	2,017,835	47,220,711
2006	5,053,071	38,195,299	5,212,423	2,157,515	50,618,308
2007	5,341,851	40,023,215	5,541,148	2,300,733	53,206,947
2008	5,641,290	42,094,733	5,890,669	2,423,343	56,050,035
2009	5,347,939	42,500,078	5,675,624	2,329,132	55,852,773
2010	5,501,182	43,243,842	5,807,050	2,356,523	56,908,597
2011	5,753,912	44,899,590	5,969,223	2,449,357	59,072,082
2012	6,219,551	46,792,938	6,245,535	2,578,066	61,836,090
2013	6,227,837	47,504,739	6,349,327	2,702,595	62,784,498
2014	6,589,481	49,805,516	6,723,278	2,875,145	65,993,420
2015	6,989,266	52,054,617	7,067,347	3,017,871	69,129,101
<b>Per Capita Income, in \$</b>					
2001	26,580	32,467	23,092	25,919	30,356
2002	27,627	33,587	23,987	26,475	31,399
2003	28,763	34,871	24,781	27,856	32,581
2004	30,781	36,757	26,808	30,320	34,511
2005	32,694	38,860	28,721	32,099	36,528
2006	34,663	41,205	30,037	33,995	38,648
2007	36,065	43,253	31,177	35,676	40,441
2008	37,255	45,085	32,454	36,940	42,073
2009	34,864	45,061	30,908	35,015	41,473
2010	35,476	45,216	31,334	35,063	41,722
2011	36,675	46,452	31,928	36,129	42,861
2012	39,216	47,909	33,084	37,608	44,402
2013	38,674	48,140	33,204	38,773	44,567
2014	40,306	50,203	34,653	40,683	46,466
2015	42,430	52,122	35,979	42,070	48,288

Note: Revised estimates for 1998-2014. All dollar estimates are in current dollars (not adjusted for inflation).

1. Including Kalawao.

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF ECONOMIC ANALYSIS, LOCAL AREA PERSONAL INCOME AND EMPLOYMENT, "CA1 PERSONAL INCOME SUMMARY: PERSONAL INCOME, POPULATION, PER CAPITA PERSONAL INCOME", NOVEMBER 17, 2016.

## 1.4.2

# EARNINGS BY DETAILED INDUSTRY MAUI COUNTY, 2015

*In thousands of dollars*

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<b>Personal Income</b>	<b>6,989,266</b>
<b>Population (persons)</b>	<b>164,726</b>
<b>Per Capita Personal Income (dollars)</b>	<b>42,430</b>
<b>Earnings by Place of Work</b>	<b>4,922,816</b>
less: Contributions for government social insurance	551,626
Employee and self-employed contributions for government social insurance	298,866
Employer contributions for government social insurance	252,760
plus: Adjustment for residence	8,271
equals: Net earnings by place of residence	4,379,461
plus: Dividends, interest, and rent	1,463,804
plus: Personal current transfer receipts	1,146,001
<b>Wages and Salaries</b>	<b>3,355,602</b>
<b>Supplements to Wages and Salaries</b>	<b>832,724</b>
Employer contributions for employee pension and insurance funds	579,964
Employer contributions for government social insurance	252,760
<b>Proprietors' Income</b>	<b>734,490</b>
Farm proprietors' income	-3,111
Nonfarm proprietors' income	737,601
<b>Farm Earnings</b>	<b>80,394</b>
<b>Nonfarm Earnings</b>	<b>4,842,422</b>
<b>Private Earnings</b>	<b>3,990,378</b>
Forestry, fishing, and related activities	D
Mining	D
Utilities	71,796
Construction	419,093

## 1.4.2

### CONTINUED

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Manufacturing	72,853
Durable goods manufacturing	28,565
Nondurable goods manufacturing	44,288
Wholesale trade	112,460
Retail trade	403,706
Transportation and warehousing	176,723
Information	45,345
Finance and insurance	65,253
Real estate and rental and leasing	216,627
Professional, scientific, and technical services	165,551
Management of companies and enterprises	21,003
Administrative and waste services	251,491
Educational services	58,540
Health care and social assistance	353,148
Arts, entertainment, and recreation	113,166
Accommodation and food services	1,186,376
Other services, except public administration	247,579
<b>Government and Government Enterprises</b>	<b>852,044</b>
Federal, civilian	75,209
Military	36,684
State and local	740,151
State government	509,868
Local government	230,283

Note: Includes Kalawao.

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

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF ECONOMIC ANALYSIS, LOCAL AREA PERSONAL INCOME AND EMPLOYMENT, "CA5N PERSONAL INCOME BY MAJOR COMPONENT AND EARNINGS BY NAICS INDUSTRY", NOVEMBER 17, 2016.

1.4.3

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

Year	All Urban Consumers (CPI-U)			Urban Wage Earners and Clerical Workers (CPI-W)		
	Annual Average	First Half	Second Half	Annual Average	First Half	Second Half
1994	164.5	163.4	165.7	164.7	163.5	165.8
1995	168.1	166.9	169.4	168.4	167.2	169.7
1996	170.7	170.5	171.0	171.0	170.8	171.2
1997	171.9	172.1	171.8	172.2	172.4	172.0
1998	171.5	172.0	171.0	171.6	172.3	171.0
1999	173.3	172.7	173.8	173.4	173.0	173.9
2000	176.3	175.9	176.7	176.5	176.0	176.9
2001	178.4	178.1	178.7	179.1	178.6	179.5
2002	180.3	180.1	180.4	180.6	180.4	180.7
2003	184.5	183.2	185.7	184.3	183.4	185.3
2004	190.6	189.2	191.9	190.2	188.8	191.5
2005	197.8	195.0	200.6	197.2	194.6	199.8
2006	209.4	206.4	212.3	208.5	205.6	211.4
2007 <sup>1</sup>	219.504	216.620	222.388	218.541	215.681	221.401
2008	228.861	227.334	230.387	228.344	226.738	229.950
2009	230.048	228.070	232.026	228.773	226.462	231.084
2010	234.869	233.822	235.916	234.020	233.089	234.951
2011	243.622	241.902	245.342	242.532	240.874	244.190
2012	249.474	248.646	250.303	248.569	248.003	249.135
2013	253.924	253.202	254.646	252.178	251.663	252.694
2014	257.589	255.989	259.190	254.757	253.417	256.098
2015	260.165	257.848	262.482	255.969	254.057	257.881
2016	265.283	264.038	266.528	260.326	258.879	261.772

Note: See Introduction (General Statistics) for CPI-U and CPI-W definitions.  
1982-1984 = 100

1. U.S. Bureau of Labor Statistics instituted a 3-decimal presentation beginning January 2007.

SOURCE: U.S. BUREAU OF LABOR STATISTICS.



1.4.4

**NONFOREIGN AREA COST-OF-LIVING ALLOWANCES  
FEDERAL EMPLOYEES IN HAWAII' I RELATIVE TO WASHINGTON, D.C., BY COUNTY**

County	2011		2012-2015		2016		2017	
	COLA Rates (%)	Payable Locality Rates (%)	COLA Rates (%)	Payable Locality Rates (%)	COLA Rates (%)	Locality Rates (%)	COLA Rates (%)	Locality Rates (%)
<b>Honolulu</b>	16.07	11.01	12.25	16.51	12.05	16.81	11.32	17.92
<b>Hawaii' i</b>	9.76	11.01	6.24	16.51	6.05	16.81	5.39	17.92
<b>Kaua' i</b>	16.07	11.01	12.25	16.51	12.05	16.81	11.32	17.92
<b>Maui' i</b>	16.07	11.01	12.25	16.51	12.05	16.81	11.32	17.92

1. Including Kalawao County.

Note: The Full Locality Rates are used to compute the phased-in Payable Locality Rates using a 1/3rd factor in 2010, a 2/3rds factor in 2011, and a 3/3rds factor in 2012. Also, the Full Locality Rates were used in computing retirement-creditable basic pay and retirement contribution deposits for employees who made an election under NAREAA section 1917. As provided under the Nonforeign Area Retirement Equity Assurance Act of 2009 (NAREAA) (subtitle B of title XIX of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84, October 28, 2009)), the locality rate for each nonforeign area will be set at two-thirds of the applicable locality rate in January 2011 and the full applicable locality rate in January 2012. Employees in nonforeign areas, e.g. Hawaii' i, have corresponding reductions in their cost-of-living allowances (COLAs) when locality rates increase.

SOURCE: U.S. OFFICE OF PERSONNEL MANAGEMENT, "COLA AND LOCALITY PAY RATES IN NONFOREIGN AREAS".

## 1.4.5

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

1982-1984 Average = 100 unless otherwise noted

Group	2012	2013	2014	2015	2016
<b>All Items</b>	249.474	253.924	257.589	260.165	265.283
<b>Food and Beverages</b>	242.786	250.922	256.023	267.041	272.051
Food	243.315	250.720	256.204	267.643	272.998
Food at home	251.257	254.618	260.591	267.011	267.579
Food away from home	230.345	241.201	247.703	262.972	273.003
Alcoholic beverages	233.299	251.786	250.982	255.672	254.162
<b>Housing</b>	265.473	269.885	273.499	276.047	283.565
Shelter	280.702	285.979	289.519	298.217	309.116
Rent of primary residence	278.121	281.572	287.813	295.635	303.583
Owners' equivalent rent	289.858	296.499	298.747	308.127	320.863
<b>Fuels and Utilities</b>	360.247	363.734	375.685	329.285	318.341
Household energy	327.002	326.966	334.996	267.540	243.208
Energy services*	322.344	322.311	330.151	262.786	238.477
Electricity	318.271	318.855	327.118	260.267	236.276
Utility (piped) gas service	341.478	328.520	331.538	267.090	235.752
<b>Household Furnishings and Operations</b>	153.086	153.196	151.278	149.060	148.734
<b>Apparel</b>	121.481	119.011	111.141	108.893	111.736
<b>Transportation</b>	231.275	233.133	236.373	216.756	211.645
Private transportation	235.881	236.516	237.308	212.590	203.453
<b>Motor Fuel</b>	329.113	324.575	317.398	229.138	198.214
Gasoline (all types)	338.599	333.975	326.302	235.085	203.309
Gasoline, unleaded regular	360.067	355.142	346.012	247.260	212.986
Gasoline, unleaded midgrade <sup>1</sup>	263.366	259.349	257.427	189.913	164.233
Gasoline, unleaded premium	298.215	294.709	287.258	209.894	183.356

## 1.4.5

### CONTINUED

Group	2012	2013	2014	2015	2016
<b>Medical Care</b>	334.441	345.184	351.763	378.876	400.408
<b>Recreation<sup>2</sup></b>	113.961	116.818	119.586	121.840	124.872
<b>Education and Communication<sup>2</sup></b>	137.276	139.423	143.488	147.869	149.785
<b>Other Goods and Services</b>	440.428	447.178	457.958	478.634	484.82
<b>Special Aggregate Indexes</b>					
All items less shelter	236.406	240.466	244.165	243.833	246.306
All items less medical care	244.988	249.131	252.635	253.811	258.001
All items less energy	245.982	251.027	255.021	262.680	269.892
All items less food and energy	247.841	252.469	256.238	263.255	271.023
Commodities	198.400	200.602	201.057	197.792	197.263
Commodities less food	171.385	171.027	169.051	158.807	155.419
Commodities less food and beverage	168.726	167.714	165.695	154.989	151.538
Nondurables	230.568	233.677	234.514	230.105	230.373
Nondurables less food	216.645	215.900	212.561	193.935	189.629
Nondurables less food and beverage	215.562	213.540	210.020	189.890	185.364
Services	294.510	300.849	307.192	314.368	324.441
Services less rent of shelter <sup>3</sup>	312.316	320.021	330.028	335.192	343.671
Services less medical care	290.148	295.971	302.124	307.041	316.432

\* Previously called 'Gas (piped) and electricity'.

1. December 1993= 100.

2. December 1997= 100.

3. December 1982= 100.

SOURCE: U.S. BUREAU OF LABOR STATISTICS, CONSUMER PRICE INDEX-ALL URBAN CONSUMERS (CPI-U).

1.5.1

**CAPACITIES OF HOSPITALS AND SPECIALTY CARE FACILITIES  
MAUI COUNTY**

*Data are for facilities recognized by the Hawai'i State Health Planning and Development Agency  
Area by Type of Beds by Facility for the Calendar Year 2015*

Facility	Licensed Beds	Inpatient Days	Admissions	Average Stay	Occupancy Rate
<b>Medical/Surgical</b>					
Lāna'i Community Hospital	4	10	3	3.3	0.68
Maui Memorial Medical Center	152	44,763	7,761	5.8	80.68
<b>Critical Care</b>					
Maui Memorial Medical Center	29	6,228	1,416	4.4	58.84
<b>Obstetric</b>					
Maui Memorial Medical Center	22	2,787	1,481	1.9	34.71
Moloka'i General Hospital	2	30	28	1.1	4.11
<b>Psychiatric</b>					
Maui Memorial Medical Center	11	2,668	491	5.4	66.45
<b>SNF/ICF</b>					
Hale Makua Kahului	254	81,273	485	167.6	87.66
Hale Makua Wailuku	90	28,829	59	488.6	87.76
Kula Hospital	105	28,459	37	769.2	74.26
Lāna'i Community Hospital	10	3,450	5	690.0	94.52
<b>Acute/SNF Swing</b>					
Kula Hospital	9	648	23	28.2	19.73
Moloka'i General Hospital	13	562	107	5.3	11.84
<b>SNF/ICF MR</b>					
Kula Hospital	9	2,912	0	NA	88.65
<b>Hansen's Disease</b>					
Kalaupapa Care Home	5	251	3	83.7	13.75
<b>Other: STF</b>					
Ai Pono Maui	8	2,527	18	140.4	86.54
Aloha House, Inc.	48	10,018	357	28.1	57.18
Excl. Addition Treatment Ctr*	8	581	16	36.3	19.90
<b>Maui County Total</b>	<b>779</b>	<b>215,996</b>	<b>12,290</b>	<b>153.7</b>	<b>52.19</b>

\* The Exclusive Addition Treatment Center.

NA: Not available. SNF: Skilled Nursing Facility. ICF: Intermediate Care Facility. STF: Special Treatment Facility.

SNF/ICF MR: Facility providing skilled nursing care or intermediate care services for persons who are mentally retarded.

SOURCE: HAWAII STATE DEPARTMENT OF HEALTH, STATE HEALTH PLANNING AND DEVELOPMENT AGENCY, HEALTH CARE UTILIZATION REPORT 2015.

1.5.2

**ADULT RESIDENTIAL CARE HOMES  
MAUI COUNTY**

*Data are for facilities recognized by the Hawai'i State Department of Health,  
Office of Health Care Assurance*

<b>Location</b>	<b>Facilities</b>	<b>Beds</b>	<b>Persons<sup>1</sup> age 65+</b>	<b>Beds / 1,000 persons age 65+</b>
<b>Type I (up to 5 beds)</b>				
Kahului	6	25	4,182	5.98
Kīhei	1	5	3,225	1.55
Wailuku	4	20	3,425	5.84
Maui Island Total	11	50	18,148	2.76
Moloka'i	2	10	1,181	8.47
Lāna'i	0	0	474	0.00
Maui County Total	13	60	19,803	3.03
Hawai'i County	51	229	26,834	8.53
Kaua'i County	10	43	9,985	4.31
City and County of Honolulu	364	1,744	138,490	12.89
<b>State Total</b>	<b>438</b>	<b>2,076</b>	<b>195,112</b>	<b>10.64</b>
<b>Type II (more than 5 beds)</b>				
Maui Island	1	22	18,148	1.21
Moloka'i	0	0	1,181	0.00
Lāna'i	0	0	474	0.00
Maui County Total	1	22	19,803	1.11
Hawai'i County	0	0	26,834	0.00
Kaua'i County	0	0	9,985	0.00
City and County of Honolulu	34	513	138,490	3.70
<b>State Total</b>	<b>35</b>	<b>535</b>	<b>195,112</b>	<b>2.74</b>

1. U.S. Census Bureau, Census 2010.

SOURCE: HAWAII STATE DEPARTMENT OF HEALTH, OFFICE OF HEALTH CARE ASSURANCE, COMBINED ADULT RESIDENTIAL CARE HOMES AND EXPANDED ADULT RESIDENTIAL CARE HOMES VACANCY REPORT BY AREA, JANUARY 26, 2017.

1.5.3

**HEALTH PRACTITIONERS LICENSED IN HAWAII  
BY PLACE OF ADDRESS**

	Acupuncturist	Chiropractor	Dental Hygienist	Dentist	Massage Therapist
Maui	85	62	104	95	1,251
Moloka'i	0	1	3	5	14
Lāna'i	0	1	0	1	21
O'ahu	305	189	597	825	3,434
Hawai'i	122	66	75	106	958
Kaua'i	40	27	39	42	530
<b>State Subtotal</b>	<b>552</b>	<b>346</b>	<b>818</b>	<b>1,074</b>	<b>6,208</b>
Mainland	189	143	246	387	769
Foreign/Other	5	3	0	15	64
<b>Total</b>	<b>746</b>	<b>492</b>	<b>1,064</b>	<b>1,476</b>	<b>7,041</b>

	Certified Physician's Assistant	Emergency Medical Tech.	Emergency Medical Tech. Paramedic	Physician or Surgeon <sup>1</sup>	Osteopathic Physician and Surgeon
Maui	39	79	40	393	27
Moloka'i	0	0	5	10	1
Lāna'i	0	0	0	1	1
O'ahu	172	390	301	3,517	207
Hawai'i	24	299	112	441	49
Kaua'i	9	45	19	172	19
<b>State Subtotal</b>	<b>244</b>	<b>813</b>	<b>477</b>	<b>4,534</b>	<b>304</b>
Mainland	87	11	54	4,284	501
Foreign/Other	0	0	0	45	0
<b>Total</b>	<b>331</b>	<b>824</b>	<b>531</b>	<b>8,863</b>	<b>805</b>

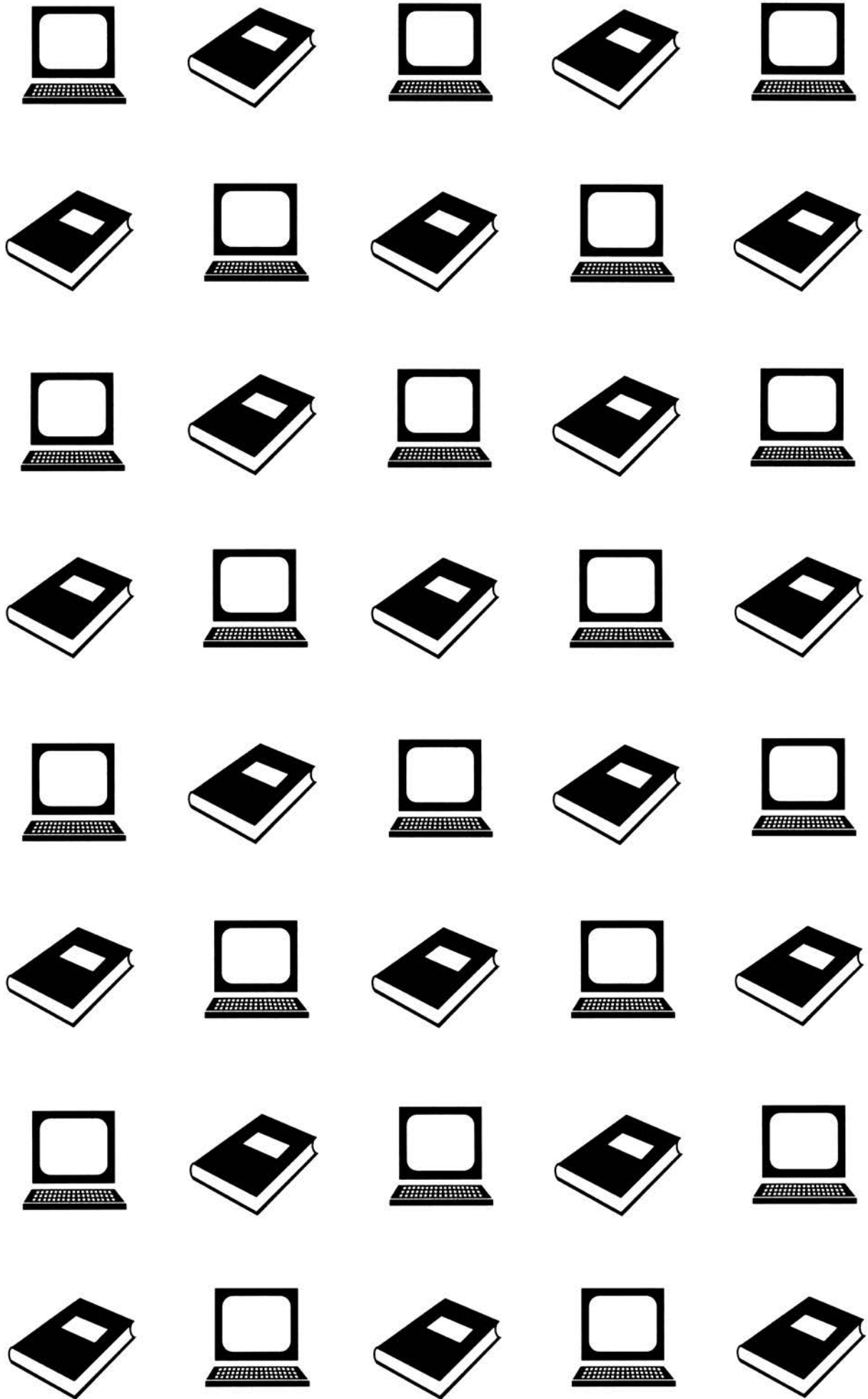
	Licensed Practical Nurse	Registered Nurse	Advanced Practice Registered Nurse	Occupational Therapist	Physical Therapist
Maui	395	1,544	70	40	116
Moloka'i	10	37	5	0	3
Lāna'i	1	20	2	0	0
O'ahu	1,259	12,120	831	271	674
Hawai'i	349	1,955	118	54	112
Kaua'i	166	760	52	20	60
<b>State Subtotal</b>	<b>2,180</b>	<b>16,436</b>	<b>1,078</b>	<b>385</b>	<b>965</b>
Mainland	611	9,983	389	177	411
Foreign/Other	6	105	5	2	6
<b>Total</b>	<b>2,797</b>	<b>26,524</b>	<b>1,472</b>	<b>564</b>	<b>1,382</b>

	Naturopath	Optometrist	Pharmacist	Podiatrist	Psychologist
Maui	16	23	123	4	52
Moloka'i	0	0	3	0	1
Lāna'i	0	0	0	0	1
O'ahu	37	220	1,058	30	617
Hawai'i	31	29	170	6	91
Kaua'i	11	12	66	1	29
<b>State Subtotal</b>	<b>95</b>	<b>284</b>	<b>1,420</b>	<b>41</b>	<b>791</b>
Mainland	43	137	1,135	43	288
Foreign/Other	1	1	5	1	3
<b>Total</b>	<b>139</b>	<b>422</b>	<b>2,560</b>	<b>85</b>	<b>1,082</b>

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

SOURCE: HAWAII STATE DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, PROFESSIONAL AND VOCATIONAL LICENSING DIVISION, LICENSING BRANCH, CURRENT LICENSES AS OF APRIL 21, 2017.



# Education

## Section 2

### EDUCATION

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

Maui County public and private schools provide educational opportunities for students from pre-kindergarten through senior high school. UH Maui College offers courses in a wide variety of technical, vocational and liberal arts disciplines and through the University of Hawai'i Center, Maui offers 4-year Bachelor's degrees.

The Hawai'i State Public Library System in Maui County has eight locations on three islands, Maui, Moloka'i and Lāna'i. UH Maui College Library holdings include four centers: two on Maui (Kahului and Hāna), and one each on Moloka'i and Lāna'i.

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



## 2.1

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

**MAUI****Hāna**

Hāna High and Elementary

K thru 12

**Kahului/Wailuku**

Emmanuel Lutheran

PreK thru 8

**Kīhei**

Henry Perrine Baldwin High

9 thru 12

Kamali'i Elementary

K thru 5

ʻĪao Intermediate

6 thru 8

Kīhei Elementary

K thru 5

Ka'ahumanu Hou Christian

PreK thru 12

Kīhei Charter School

K thru 12

Kahului Elementary

K thru 5

Lokelani Intermediate

6 thru 8

Lihikai Elementary

K thru 5

Montessori Hale O Keiki

PreK thru 8

Maui Adventist

K thru 8

Horizons Academy of Maui

K thru 12

Maui High

9 thru 12

**Lahaina**

Maui Waena Intermediate

6 thru 8

Kamehameha III Elementary

K thru 5

Pomaika'i Elementary

K thru 5

Lahaina Intermediate

6 thru 8

Pu'u Kukui Elementary

K thru 5

Lahainaluna High

9 thru 12

St. Anthony Grade School

K thru 6

Maui Preparatory Academy

PreK thru 12

St. Anthony Junior and Senior High

7 thru 12

Nahi'ena'ena Elementary

K thru 5

Waihe'e Elementary

K thru 5

Sacred Hearts Elementary

PreK to 8

Wailuku Elementary

K thru 5

**UpCountry/North Shore**

Carden Academy of Maui

PreK thru 8

**LĀNA'I**

Lāna'i High and Elementary

K thru 12

Clearview Christian Girls School

6 thru 12

Doris Todd Christian Academy

PreK thru 8

Ha'ikū Elementary

K thru 5

**MOLOKA'I**

Aka'ula School

5 thru 8

Haleakalā Waldorf

EC thru 12

Ho'omana Hou School

9 thru 12

Kalama Intermediate

6 thru 8

Kaunakakai Elementary

K thru 6

Kamehameha School Maui

K thru 12

Kilohana Elementary

K thru 6

King Kekaulike High

9 thru 12

Kualapu'u PCS

PreK thru 6

Kula Elementary

K thru 5

Maunaloa Elementary

K thru 6

Makawao Elementary

K thru 5

Moloka'i High

9 thru 12

Maui Christian Academy

9 thru 12

Moloka'i Middle

7 thru 8

Montessori School of Maui

EC thru 8

Pā'ia Elementary

K thru 5

Pukalani Elementary

K thru 5

Roots School of Maui

PreK thru 8

**Total: 53**

Seabury Hall

6 thru 12

**Public: 31****Charter: 2****Private: 20**

EC: Early Childhood Education Program.

PCS: Public Charter School.

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION; HAWAII ASSOCIATION OF INDEPENDENT SCHOOLS.

## 2.2

## BUDGET ALLOCATIONS FOR PUBLIC SCHOOLS MAUI DISTRICT

School	2013-2014	2014-2015	2015-2016	2016-2017
<b>Elementary Schools</b>				
Ha'ikū	487,871	458,860	426,901	518,325
Kahului	1,375,232	1,112,772	1,111,581	1,116,156
Kamali'i	383,007	397,446	214,429	323,408
Kamehameha III	892,239	841,659	966,667	1,054,167
Kaunakakai	519,940	453,808	402,794	292,651
KThei	990,162	744,901	292,397	663,210
Kilohana	90,014	108,209	113,572	173,317
Kula	303,703	337,381	540,702	522,146
Lihikai	836,998	1,099,616	1,095,115	970,837
Makawao	630,206	500,486	610,392	787,568
Maunaloa	178,204	144,643	99,276	73,887
Nahi'ena'ena	967,834	789,407	797,351	942,564
Pā'ia	426,054	462,634	389,970	305,615
Pomaika'i	295,939	356,413	367,183	394,308
Pukalani	390,122	443,619	282,501	501,738
Pu'u Kukui	1,346,653	533,067	490,184	478,418
Waihe'e	595,137	601,883	574,523	738,247
Wailuku	159,439	584,773	434,291	620,172
<b>Intermediate Schools</b>				
Īao	923,915	1,078,410	1,307,325	811,659
Kalama	508,467	739,678	620,376	774,225
Lahaina	392,326	573,920	517,071	792,977
Lokelani	469,553	532,142	587,009	481,466
Maui Waena	765,349	802,240	986,799	1,204,364
Moloka'i Middle	487,357	697,713	610,228	473,667
<b>High Schools</b>				
Baldwin	946,287	851,035	662,854	742,158
King Kekaulike	590,083	1,278,974	927,481	1,093,579
Lahainaluna	731,222	986,374	669,014	1,198,120
Maui	1,483,473	1,254,172	1,069,718	1,710,089
Moloka'i	219,858	424,813	296,857	370,025
<b>Multi-Level Schools</b>				
Hāna High & Elementary	634,055	571,431	761,539	1,060,259
Lāna'i High & Elementary	600,447	157,867	164,279	471,843
<b>Total</b>	<b>\$19,621,146</b>	<b>\$19,920,346</b>	<b>\$18,390,379</b>	<b>\$21,661,165</b>

Allocations do not include salaries.

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION.

## 2.3

**PUBLIC SCHOOLS ENROLLMENT BY GRADES  
MAUI DISTRICT**

School	2012	2013	2014	2015	2016
<b>Elementary Schools</b>					
Ha'ikū	487	501	479	483	482
Kahului	1,024	1,064	983	954	949
Kamali'i	620	585	530	481	452
Kamehameha III	800	813	773	790	747
Kaunakakai	256	290	274	298	280
Kīthei	969	947	864	801	786
Kilohana	75	80	65	80	82
Kula	378	396	391	433	446
Lihikai	982	943	897	901	872
Makawao	529	550	527	541	536
Maunaloa	87	61	55	60	51
Nahi'ena'ena	704	761	724	720	711
Pā'ia	310	356	338	364	379
Pomaika'i	675	550	544	574	580
Pukalani	500	478	441	405	436
Pu'u Kukui <sup>1</sup>	0	541	655	692	738
Waihe'e	816	775	742	752	740
Wailuku	960	740	704	694	669
<b>Intermediate Schools</b>					
Īao	841	886	889	918	904
Kalama	804	788	822	861	883
Lahaina	617	626	635	674	712
Lokelani	573	550	553	594	584
Maui Waena	1,112	1,095	1,109	1,143	1,183
Moloka'i Middle	209	209	197	179	168
<b>High Schools</b>					
Baldwin	1,598	1,538	1,467	1,398	1,361
King Kekaulike	1,066	1,017	1,086	1,043	1,085
Lahainaluna	1,063	1,028	1,014	964	1,007
Maui	1,870	1,908	1,931	1,906	1,941
Moloka'i	318	336	353	340	335
<b>Multi-Level Schools</b>					
Hāna High & Elementary	346	336	341	337	349
Lāna'i High & Elementary	530	582	567	557	562
<b>Total</b>	<b>21,119</b>	<b>21,330</b>	<b>20,950</b>	<b>20,937</b>	<b>21,010</b>

1. Opened in August 2013.

SOURCE: HAWAII'S STATE DEPARTMENT OF EDUCATION.

## 2.4

## STUDENT PROFILES IN PUBLIC SCHOOLS MAUI DISTRICT, 2015-2016

School	Fall Enrollment	Students Enrolled for Entire Year	Receiving Free or Reduced Cost Lunch	Students in Special Education	Students w/ Limited English Proficiency
<b>Elementary Schools</b>					
Ha'ikū	483	88.1%	57.7%	7.4%	4.7%
Kahului	954	95.3%	65.1%	4.7%	19.0%
Kamali'i	481	90.4%	40.5%	8.3%	3.5%
Kamehameha III	790	93.6%	51.1%	7.2%	13.0%
Kaunakakai	298	90.6%	**	8.7%	*
Kīhei	801	91.3%	58.9%	7.4%	12.6%
Kilohana	80	95.0%	**	*	*
Kula	433	91.9%	48.9%	9.9%	3.2%
Lihikai	901	95.6%	65.7%	5.6%	21.9%
Makawao	541	93.1%	62.1%	12.0%	3.6%
Maunaloa	60	76.6%	**	*	*
Nahi'ena'ena	720	95.5%	56.3%	7.2%	16.3%
Pā'ia	364	94.2%	62.0%	5.2%	3.0%
Pomaika'i	574	98.0%	23.8%	8.7%	2.6%
Pukalani	405	93.3%	55.3%	7.9%	4.1%
Pu'u Kukui	692	95.2%	42.4%	5.4%	5.9%
Waihe'e	752	95.3%	62.3%	6.5%	3.5%
Wailuku	694	92.2%	66.8%	8.5%	12.6%
<b>Intermediate Schools</b>					
Īao	918	96.0%	49.5%	11.3%	3.8%
Kalama	861	95.5%	57.4%	13.2%	1.6%
Lahaina	674	95.2%	54.4%	10.5%	11.2%
Lokelani	594	91.7%	52.1%	12.4%	6.5%
Maui Waena	1,143	96.7%	54.4%	7.5%	9.3%
Moloka'i Middle	179	93.8%	**	12.8%	*
<b>High Schools</b>					
Baldwin	1,398	93.4%	37.0%	10.2%	3.7%
King Kekaulike	1,043	93.6%	46.5%	13.7%	1.6%
Lahainaluna	964	94.8%	37.3%	10.8%	10.1%
Maui	1,906	95.2%	39.9%	9.7%	7.3%
Moloka'i	340	93.2%	**	14.4%	*
<b>Multi-Level Schools</b>					
Hāna High & Elem.	337	95.5%	79.2%	11.5%	*
Lāna'i High & Elem.	557	95.8%	45.7%	15.4%	10.0%
<b>Total</b>	<b>20,937</b>				

\* Data not reported to maintain student confidentiality. See the Family Educational Rights and Privacy Act (FERPA).

\*\* School is participating in the Community Eligibility Provision.

SOURCE: HAWAII'S STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2015-2016.

## 2.5

## ETHNIC PROFILES IN PUBLIC SCHOOLS MAUI DISTRICT, 2015-2016

School	Chinese	Filipino	Hawaiian	Japanese	Portuguese	Hispanic	White	Other <sup>1</sup>
<b>Elementary Schools</b>								
Ha'ikū	0.4%	4.5%	20.9%	4.9%	2.2%	3.1%	50.1%	13.9%
Kahului	1.0%	51.0%	17.6%	5.1%	1.1%	2.4%	4.6%	17.2%
Kamali'i	0.6%	9.7%	8.9%	2.0%	0.4%	8.5%	62.3%	7.6%
Kamehameha III	0.7%	17.3%	13.2%	4.0%	0.3%	13.7%	34.6%	16.2%
Kaunakakai	0.6%	14.4%	69.7%	3.3%	0.0%	0.6%	6.7%	4.7%
KThei	0.2%	29.3%	17.2%	2.1%	1.1%	9.1%	29.4%	11.6%
Kilohana	0.0%	3.7%	78.7%	2.5%	0.0%	1.2%	11.2%	2.7%
Kula	0.9%	3.2%	31.8%	5.5%	5.7%	4.6%	40.8%	7.5%
Lihikai	0.3%	43.5%	19.0%	3.9%	3.1%	6.5%	3.4%	20.3%
Makawao	0.5%	9.6%	35.3%	4.8%	9.0%	3.3%	26.0%	11.5%
Maunaloa	1.6%	1.6%	86.6%	1.6%	0.0%	0.0%	8.3%	0.3%
Nahi'ena'ena	0.0%	47.5%	23.3%	1.9%	0.4%	8.6%	7.3%	11.0%
Pā'ia	0.5%	7.4%	68.1%	2.7%	3.2%	0.5%	11.2%	6.4%
Pomaika'i	1.2%	35.0%	13.4%	16.3%	2.4%	1.9%	23.6%	6.2%
Pukalani	0.2%	12.0%	31.3%	11.3%	6.1%	5.9%	22.7%	10.5%
Pu'u Kukui	1.8%	18.6%	18.9%	16.3%	3.6%	3.1%	19.3%	18.4%
Waihe'e	0.2%	26.4%	46.5%	5.1%	3.1%	0.9%	7.3%	10.5%
Wailuku	1.0%	18.7%	30.9%	9.6%	4.1%	3.7%	9.5%	22.5%
<b>Intermediate Schools</b>								
Īao	2.5%	22.3%	39.5%	9.8%	2.7%	1.9%	8.0%	13.3%
Kalama	1.5%	11.6%	38.7%	7.3%	4.6%	4.4%	24.3%	7.6%
Lahaina	1.0%	35.1%	18.6%	2.8%	0.2%	15.4%	16.3%	10.6%
Lokelani	0.1%	27.1%	16.8%	2.3%	0.6%	9.7%	32.8%	10.6%
Maui Waena	1.5%	51.4%	18.1%	5.5%	1.1%	4.1%	4.8%	13.5%
Moloka'i Middle	0.0%	8.3%	85.4%	1.1%	0.0%	0.0%	2.2%	3.0%
<b>High Schools</b>								
Baldwin	2.5%	24.3%	31.7%	9.7%	2.5%	4.5%	11.1%	13.7%
King Kekaulike	1.6%	11.5%	33.9%	5.8%	4.9%	4.4%	29.7%	8.2%
Lahainaluna	1.1%	34.9%	20.7%	3.6%	0.6%	15.0%	15.3%	8.8%
Maui	0.6%	51.9%	16.7%	4.9%	1.3%	4.3%	10.3%	10.0%
Molokai	0.0%	16.1%	76.4%	0.8%	0.0%	0.2%	3.5%	3.0%
<b>Multi-Level Schools</b>								
Hāna High & Elem.	0.0%	0.5%	76.5%	1.1%	0.0%	1.1%	14.2%	6.6%
Lāna'i High & Elem.	0.7%	52.0%	20.2%	2.3%	0.8%	3.0%	8.6%	12.4%

1. Other includes Native American, Black, Korean, Samoan, Indo-Chinese, Micronesian, Tongan and Others.

SOURCE: HAWAII'S STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2015-2016.

## 2.6

**COMMUNITY PROFILES IN PUBLIC SCHOOLS  
MAUI DISTRICT, 2015-2016**

<b>School Community</b>	<b>Population</b>	<b>% of Population Aged 5-19</b>	<b>Median Age</b>	<b>Number of Family Households</b>	<b>Median Household Income</b>
State of Hawaii	1,360,301	18.4%	38.6	313,907	\$66,420
Baldwin Complex	29,861	20.3%	38.2	6,740	\$83,311
King Kekaulike Complex	38,220	18.6%	41.0	9,388	\$68,744
Lahainaluna Complex	22,157	17.2%	38.9	4,767	\$74,490
Maui Complex	51,920	18.2%	39.6	11,562	\$75,378
Hāna Complex	2,285	19.1%	40.1	483	\$69,777
Lānaʻi Complex	3,136	19.8%	38.6	788	\$56,264
Molokaʻi Complex	7,258	21.4%	40.2	1,765	\$49,391

Note: All figures based on 2010 Census.

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2015-2016.

## 2.7

## COMMUNITY EDUCATION ATTAINMENT LEVEL IN PUBLIC SCHOOLS, MAUI DISTRICT

School Community	College Graduate	Some College	High School	Less than High School Graduate
State of Hawai'i	29.4%	31.4%	29.0%	10.2%
Baldwin Complex	22.3%	31.5%	35.2%	10.8%
King Kekaulike Complex	30.7%	34.5%	26.7%	7.9%
Lahainaluna Complex	23.0%	31.2%	32.0%	13.5%
Maui Complex	25.8%	30.8%	30.9%	12.3%
Hāna Complex	20.6%	29.3%	39.8%	10.1%
Lāna'i Complex	20.4%	25.8%	35.2%	18.4%
Moloka'i Complex	22.0%	27.6%	37.1%	13.1%

Note: All figures based on 2010 Census.

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2015-2016.

## 2.8

## SCHOOL COMPLETION IN PUBLIC SCHOOLS MAUI DISTRICT, 2015-2016

School	Total Completers <sup>1</sup>	Diploma Graduates	Certificate of Completion	Individual Program	School Dropouts <sup>2</sup>
<b>High Schools</b>					
Baldwin	97.6%	95.3%	0.0%	2.3%	16.8%
King Kekaulike	96.6%	94.5%	0.0%	2.1%	15.6%
Lahainaluna	92.5%	91.5%	0.0%	1.0%	21.1%
Maui	98.6%	96.5%	0.0%	2.1%	14.9%
Moloka'i	97.3%	96.0%	0.0%	1.3%	*
<b>Multi-Level Schools</b>					
Hāna High & Elem.	100.0%	100.0%	0.0%	0.0%	*
Lāna'i High and Elem.	96.5%	93.1%	0.0%	3.4%	*

1. Completers statistics are based on the number of students in the senior class.

2. Dropout rates are based on the cohort of first time 9th graders who dropped out prior to graduation.

\* Data not reported to maintain student confidentiality.

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2015-2016.

## 2.9

## TEACHING STAFF PROFILES IN PUBLIC SCHOOLS MAUI DISTRICT, 2015-2016

School	Teacher Headcount	Teachers With 5 or More Years at this School	Teachers With Advanced Degrees	Average Years Experience	Student Teacher Ratio Regular Instruction	Student Teacher Ratio Special Education
<b>Elementary Schools</b>						
Ha'ikū	28	17	8	14.1	19.4	7.2
Kahului	58	32	23	11.9	18.5	7.5
Kamali'i	30	12	14	10.1	16.9	10.0
Kamehameha III	50	29	21	10.6	18.3	8.1
Kaunakakai	22	15	9	13.3	16.0	5.2
Kīhei	54	31	18	8.9	16.4	10.0
Kilohana	8	6	1	12.2	10.1	9.0
Kula	26	14	6	12.5	17.7	10.7
Lihikai	55	42	14	14.2	17.7	8.5
Makawao	39	24	10	14.6	16.4	7.2
Maunaloa	6	3	2	11.6	9.1	0.0
Nahī'ena'ena	46	23	17	10.0	18.5	7.4
Pā'ia	21	10	4	10.2	18.6	9.5
Pomaika'i	36	22	11	10.7	18.0	7.1
Pukalani	23	9	9	9.2	19.6	8.0
Pu'u Kukui	40	0	15	12.2	18.6	7.6
Waihe'e	46	33	14	13.6	18.0	8.1
Wailuku	48	31	20	11.9	16.2	6.5
<b>Intermediate Schools</b>						
Īao	50	28	15	10.8	19.3	13.0
Kalama	60	36	23	14.3	15.4	10.3
Lahaina	41	23	20	10.5	20.1	10.1
Lokelani	45	21	16	10.2	15.7	8.2
Maui Waena	61	39	22	12.5	19.9	12.2
Moloka'i Middle	14	10	2	16.8	14.1	7.6
<b>High Schools</b>						
Baldwin	77	45	38	11.8	19.9	11.9
King Kekaulike	70	43	36	10.1	16.6	9.5
Lahainaluna	61	35	23	9.9	17.5	10.5
Maui	117	63	55	10.9	17.7	9.7
Moloka'i	24	18	11	13.6	14.5	12.2
<b>Multi-Level Schools</b>						
Hāna High & Elem.	29	17	11	11.3	13.5	6.5
Lāna'i High & Elem.	37	19	11	9.7	17.4	9.5
<b>Total</b>	<b>1,322</b>	<b>750</b>	<b>499</b>			

SOURCE: HAWAII'S STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2015-2016.



## 2.10

## SUBJECT PROFICIENCIES IN PUBLIC SCHOOLS MAUI DISTRICT, 2015-2016

School	Grade	% Proficient Reading	% Proficient Math	% Proficient Science <sup>1</sup>
<b>Elementary Schools</b>				
Ha'ikū	4	66%	64%	70%
Kahului	4	38%	32%	38%
Kamali'i	4	65%	62%	85%
Kamehameha III	4	67%	57%	59%
Kaunakakai	4	26%	24%	36%
Kīhei	4	52%	51%	53%
Kilohana	4	31%	38%	50%
Kula	4	45%	34%	66%
Lihikai	4	49%	47%	51%
Makawao	4	48%	46%	52%
Maunaloa	5	12%	6%	NA
Nahi'ena'ena	4	46%	31%	40%
Pā'ia	4	57%	24%	15%
Pomaika'i	4	62%	53%	65%
Pukalani	4	50%	51%	58%
Pu'u Kukui	4	40%	36%	54%
Waihe'e	4	38%	44%	50%
Wailuku	4	20%	18%	31%
<b>State Average</b>	4	50%	47%	55%
<b>Intermediate Schools</b>				
Īao	8	41%	26%	30%
Kalama	8	44%	34%	47%
Lahaina	8	33%	19%	24%
Lokelani	8	57%	44%	32%
Maui Waena	8	40%	31%	45%
Moloka'i Middle	8	28%	29%	15%
<b>State Average</b>	8	49%	38%	37%
<b>High Schools</b>				
Baldwin	11	44%	26%	30%
King Kekaulike	11	60%	27%	41%
Lahainaluna	11	31%	18%	23%
Maui	11	53%	28%	19%
Moloka'i	11	47%	24%	15%
<b>State Average</b>	11	56%	30%	33%
<b>Multi-Level Schools</b>				
Hāna High & Elem.	11	58%	16%	28%
Lāna'i High & Elem.	11	30%	15%	7%
<b>State Average</b>	11	56%	30%	33%

1. The HCPS Science assessment is given in grades 4 and 8. High School HCPS Science assessment results are from an end-of-course exam given to high school students enrolled in Biology 1.

NA: Not available

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2015-2016.

**PRIVATE SCHOOLS CHARACTERISTICS  
MAUI COUNTY, 2013-2014**

School	Classroom Teachers (FTE)	Student Teacher Ratio	American			Black	Hispanic	White	Native Hawaiian/Pacific Islander		Two or more races
			Indian/Alaskan	Native	Asian				Native Hawaiian/Pacific Islander	more races	
Aka'ula School	2.6	13.5	2	4	0	1	2	26	0	0	
Carden Academy of Maui	14.0	9.1	0	0	4	2	121	0	0	0	
Clearview Christian Girl's School	2.9	5.2	0	1	2	0	0	7	5	5	
Doris Todd Christian Academy	10.3	14.2	1	24	0	9	74	25	13	13	
Emmanuel Lutheran	10.0	13.2	1	11	3	38	20	8	51	51	
Hoomana Hou	1.0	6.0	0	0	0	0	0	0	6	6	
Ka'ahumanu Hou Christian	6.8	10.0	0	23	0	14	17	14	0	0	
Kamehameha Schools Maui	120.0	8.4	0	0	0	0	0	1,008	0	0	
Maui Preparatory Academy	16.9	9.5	4	43	1	5	80	17	11	11	
Montessori Hale O Keiki	6.6	5.0	0	5	0	2	11	4	11	11	
Montessori School of Maui	8.9	28.9	NA	NA	NA	NA	NA	NA	NA	NA	
Sacred Hearts Elementary	12.8	11.2	0	18	0	8	59	36	23	23	
Seabury Hall	50.8	8.7	2	10	2	8	221	80	118	118	
St. Anthony Grade School	7.1	20.3	4	35	0	3	17	48	37	37	
St. Anthony Junior & Senior High	16.1	10.1	0	9	1	4	39	0	109	109	

NA: Not available

SOURCE: NATIONAL CENTER FOR EDUCATIONAL STATISTICS (NCES).

2.12

**PRIVATE SCHOOLS TUITION  
MAUI COUNTY**

<b>School</b>	<b>Tuition Fees \$</b>
Carden Academy of Maui	9,900 - 12,750
Doris Todd Christian Academy	6,355 - 7,284
Emmanuel Lutheran	6,100 - 7,100
Haleakalā Waldorf	
Early Childhood Education	600 - 720 per month
Pre-Kindergarten to Grade 12	8,800 -15,500
Horizons Academy of Maui	27,600
Kaahumanu Hou Christian	4,500 - 5,850
Kamehameha Schools Maui	4,203 - 5,199
Maui Adventist	5,020
Maui Preparatory Academy	10,506 - 17,870
Montessori Hale O Keiki	10,650 - 12,400
Montessori School of Maui	13,230 - 15,450
ROOTS School of Maui	700 per month
Sacred Hearts Elementary	7,550 - 7,950
Seabury Hall	18,950
St. Anthony Grade School	5,900 - 6,100
St. Anthony Junior & Senior High	7,000 - 13,125

SOURCE: HONOLULU MAGAZINE AND HAWAII ASSOCIATION OF INDEPENDENT SCHOOLS (HAIS), 2017 HAWAII PRIVATE SCHOOL GUIDE.

**PRIVATE SCHOOLS ENROLLMENT BY GRADES  
MAUI COUNTY, 2015-2016**

School	EC*	PreK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total
Aka'ula School	0	0	0	0	0	0	0	5	5	10	8	5	6	3	3	45
Carden Academy of Maui	0	10	16	12	14	16	18	18	12	18	15	0	0	0	0	149
Clearview Christian Girl's School	0	0	0	0	0	0	0	0	3	2	7	2	1	1	1	17
Doris Todd Memorial Christian	0	31	15	14	14	15	18	18	18	12	18	3	3	6	2	187
Emmanuel Lutheran	0	0	17	19	15	12	12	17	16	12	11	0	0	0	0	131
Haleakalā Waldorf	20	21	37	19	22	23	28	18	20	16	22	5	11	6	11	279
Ho'ōmana Hou School	0	0	0	0	0	0	0	0	0	0	0	3	3	0	1	7
Ka'ahumanu Hou Christian	0	0	0	0	0	4	0	0	0	0	1	2	1	0	2	10
Kamehameha Schools Maui	0	60	8	5	4	0	4	2	4	6	3	3	4	6	3	112
Maui Adventist	0	0	40	40	40	48	48	48	108	108	108	120	120	120	120	1,068
Maui Christian Academy	0	0	0	4	2	2	2	2	2	4	2	0	0	0	0	20
Maui Preparatory Academy	0	17	15	18	13	13	12	16	16	14	18	15	13	15	25	220
Montessori Hale O Keiki	0	32	8	4	6	5	3	3	5	2	2	0	0	0	0	70
Montessori School of Maui	8	76	32	28	25	21	28	20	4	8	6	0	0	0	0	256
ROOTS School of Maui	0	16	8	4	5	2	6	5	6	5	4	0	0	0	0	61
Sacred Hearts School	0	40	20	16	24	22	13	22	22	18	19	0	0	0	0	216
Seabury Hall	0	0	0	0	0	0	0	0	44	45	44	90	81	78	73	455
St. Anthony Grade School	0	48	18	13	19	13	13	15	24	0	0	0	0	0	0	163
St. Anthony Junior & Senior High	0	0	0	0	0	0	0	0	35	24	30	25	15	27	20	176
<b>Total</b>	<b>28</b>	<b>351</b>	<b>234</b>	<b>196</b>	<b>203</b>	<b>196</b>	<b>205</b>	<b>209</b>	<b>344</b>	<b>304</b>	<b>318</b>	<b>273</b>	<b>258</b>	<b>262</b>	<b>261</b>	<b>3,642</b>

\* Early Childhood Education Program.

SOURCE: HAWAII ASSOCIATION OF INDEPENDENT SCHOOLS, PRIVATE SCHOOL ENROLLMENT REPORT 2015-2016.

2.14

**LIBRARY HOLDINGS AND CIRCULATION  
HAWAI'I STATE PUBLIC LIBRARY SYSTEM  
MAUI COUNTY**

<b>As of June 30</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Library Locations <sup>1</sup>	8	8	8	8
Personnel	42	42	42	45
Circulation, year ending June 30	710,835	671,716	642,008	607,218
<b>Collections</b>				
Books	400,244	394,186	392,194	383,446
Periodical Subscriptions	788	662	631	684
DVDs and Videotapes	22,965	23,710	23,829	25,540
Sound Recordings	19,885	20,058	19,812	18,231

1. Includes libraries on Lāna'i (one location), Maui (six locations), and Moloka'i (one location).

SOURCE: HAWAI'I STATE PUBLIC LIBRARY SYSTEM, OFFICE OF THE STATE LIBRARIAN.

2.15

**LIBRARY HOLDINGS AND CIRCULATION  
UNIVERSITY OF HAWAI'I MAUI COLLEGE**

<b>Year</b>	<b>Number of volumes June 30<sup>1</sup></b>	<b>Circulation Year ended June 30</b>	<b>Number of electronic titles<sup>2</sup></b>	<b>Number of electronic full-text items retrieved</b>
2005	57,408	7,756	NA	NA
2006	59,489	6,800	NA	NA
2007	61,572	15,392	NA	NA
2008	61,853	21,477	108,554	29,301
2009	63,967	7,865	69,280	16,291
2010	64,402	38,908	69,237	40,539
2011	65,291	42,783	93,709	126,191
2012	65,291	20,920	112,030	159,327
2013	64,361	21,548	120,356	NA
2014	69,344	19,833	140,987	196,965
2015	61,448	9,466	140,133	236,128

1. Includes holdings on Moloka'i, Lāna'i, and Hāna.

2. Electronic titles include books, journals, databases.

NA: Not available

SOURCE: UNIVERSITY OF HAWAI'I AT MĀNOA, UNIVERSITY LIBRARIES.

## 2.16

## DEGREES AND CERTIFICATES EARNED UNIVERSITY OF HAWAI'I MAUI COLLEGE

*Fiscal years (July 1 to June 30)*

	2012	2013	2014	2015	2016
<b>Total</b>	<b>560</b>	<b>601</b>	<b>660</b>	<b>575</b>	<b>594</b>
<b>General</b>	<b>161</b>	<b>181</b>	<b>272</b>	<b>256</b>	<b>288</b>
Hawaiian Studies (Associate)	0	8	10	12	11
Liberal Arts (Associate)	161	171	261	243	277
Natural Sciences (Associate of Science)	0	2	1	1	0
<b>Career &amp; Technical Education</b>	<b>399</b>	<b>420</b>	<b>388</b>	<b>319</b>	<b>306</b>
<b>Business Education</b>	<b>101</b>	<b>102</b>	<b>110</b>	<b>78</b>	<b>66</b>
Certificate of Achievement	40	49	42	16	19
Associate of Applied Science	57	48	59	57	45
Bachelor of Applied Science	4	5	9	5	2
<b>Food Services</b>	<b>68</b>	<b>74</b>	<b>73</b>	<b>44</b>	<b>49</b>
Certificate of Achievement	24	32	25	8	21
Associate of Applied Science	44	42	48	36	28
<b>Health Services</b>	<b>125</b>	<b>144</b>	<b>116</b>	<b>106</b>	<b>73</b>
Certificate of Achievement	66	72	55	50	25
Associate of Science	59	72	61	56	48
<b>Public Services</b>	<b>42</b>	<b>36</b>	<b>33</b>	<b>39</b>	<b>50</b>
Certificate of Achievement	21	14	15	15	17
Associate of Science	12	15	12	16	21
Associate of Applied Science	9	7	6	8	12
<b>Technology</b>	<b>63</b>	<b>64</b>	<b>56</b>	<b>52</b>	<b>68</b>
Certificate of Achievement	23	20	18	16	14
Associate of Science	8	12	4	11	12
Associate of Applied Science	29	28	30	19	25
Associate in Technical Studies	0	0	0	4	2
Bachelor of Applied Science	3	4	4	2	15

SOURCE: UNIVERSITY OF HAWAI'I, INSTITUTIONAL RESEARCH AND ANALYSIS OFFICE, DEGREES AND CERTIFICATES EARNED.

## 2.17

## HIGH SCHOOL GRADUATES ENTERING THE UNIVERSITY OF HAWAII SYSTEM, FALL 2016

Maui County	Total Graduates	UH System	Mānoa	Hilo	West O'ahu	Maui College	Other Campuses
<b>Public Schools</b>	<b>1,237</b>	<b>378</b>	<b>50</b>	<b>13</b>	<b>1</b>	<b>302</b>	<b>12</b>
Baldwin	293	77	8	2	0	66	1
Hāna	16	2	0	0	0	2	0
Kīhei Charter School	44	9	0	0	0	8	1
King Kekaulike	229	59	6	0	0	52	1
Lahainaluna	185	55	11	1	1	39	3
Maui	369	144	21	4	0	116	3
Lāna'i	28	13	4	3	0	3	3
Moloka'i	73	19	0	3	0	16	0
<b>Private Schools</b>	<b>231</b>	<b>57</b>	<b>14</b>	<b>9</b>	<b>0</b>	<b>29</b>	<b>5</b>
Doris Todd Christian	3	0	0	0	0	0	0
Haleakala Waldorf	5	0	0	0	0	0	0
Hoomana Hou	1	0	0	0	0	0	0
Ka'ahumanu Hou	2	0	0	0	0	0	0
Kamehameha Maui	117	39	7	7	0	21	4
Maui Christian Academy	1	1	0	0	0	1	0
Maui Preparatory	11	0	0	0	0	0	0
Saint Anthony	22	6	1	1	0	4	0
Seabury Hall	70	11	6	1	0	3	1

SOURCE: UNIVERSITY OF HAWAII, INSTITUTIONAL RESEARCH AND ANALYSIS OFFICE, HIGH SCHOOL BACKGROUND OF FIRST-TIME STUDENTS, FALL 2016.

## 2.18

## ENROLLMENT PROJECTIONS UNIVERSITY OF HAWAII MAUI COLLEGE

	Historic	Projections					
	2015	2016	2017	2018	2019	2020	2021
<b>Total</b>	<b>3,593</b>	<b>3,465</b>	<b>3,399</b>	<b>3,366</b>	<b>3,322</b>	<b>3,336</b>	<b>3,362</b>
<b>Status</b>							
Full-time	1,283	1,237	1,214	1,202	1,186	1,191	1,201
Part-time	2,310	2,228	2,185	2,164	2,136	2,145	2,161
<b>Degree Type</b>							
Liberal Arts	1,653	1,566	1,525	1,507	1,487	1,490	1,501
Career & Technical Ed	1,361	1,287	1,247	1,225	1,206	1,205	1,210
Unclassified	177	197	203	206	206	207	211
Specials	235	229	232	232	223	233	235
Home-based at Other UH Campus	167	186	192	196	200	201	205

SOURCE: STATE OF HAWAII, INSTITUTIONAL RESEARCH AND ANALYSIS OFFICE.

## 2.19

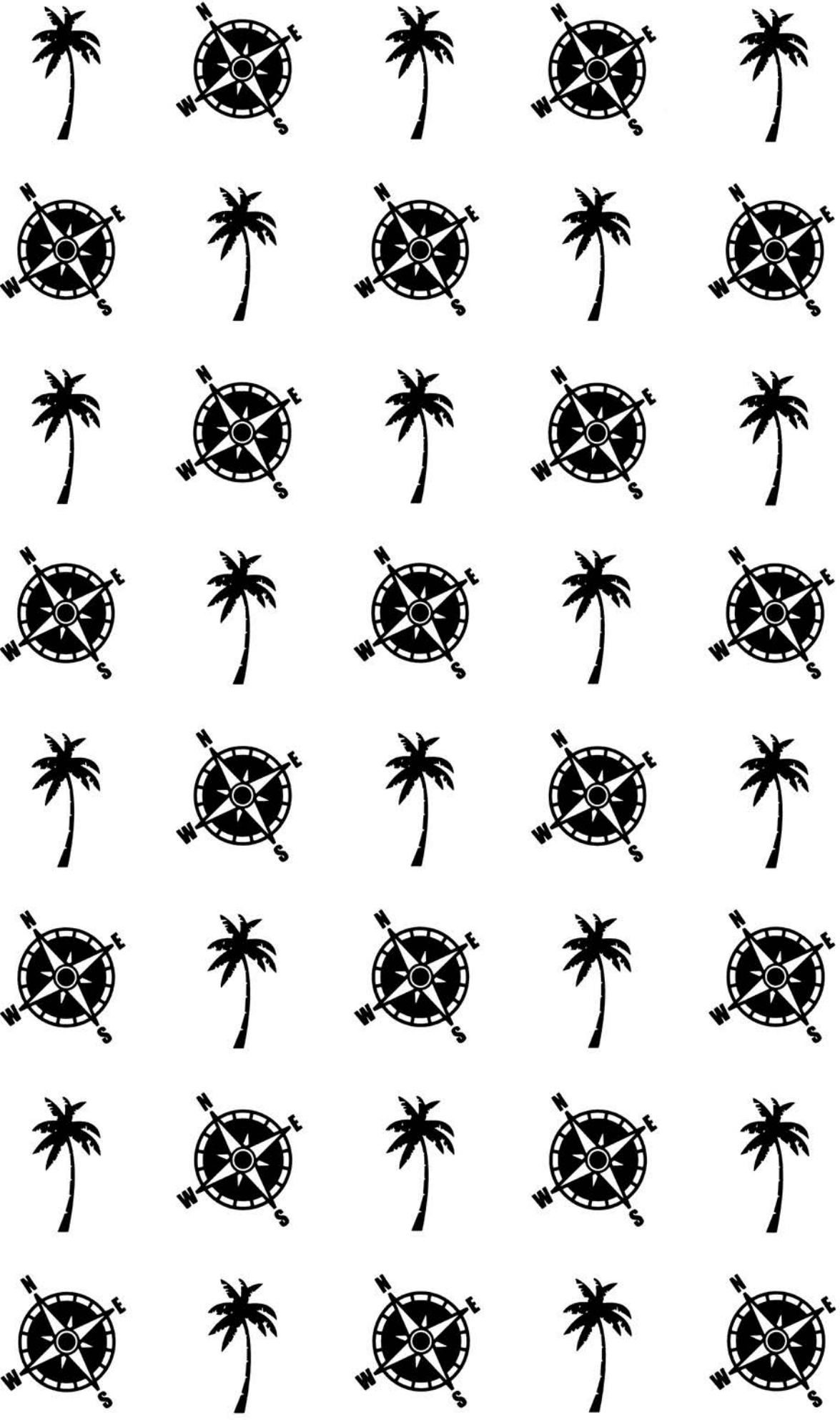
## HISTORICAL ENROLLMENT, FACULTY & STAFF UNIVERSITY OF HAWAI'I MAUI COLLEGE

Fall Semester	Students Enrolled		
	Total	Full-time	Part-time
2001	2,699	982	1,717
2002	2,989	1,042	1,947
2003	2,985	1,085	1,900
2004	2,996	1,146	1,850
2005	2,903	1,163	1,740
2006	2,841	1,118	1,723
2007	2,981	1,145	1,836
2008	3,287	1,328	1,959
2009	4,114	1,733	2,381
2010	4,367	1,830	2,537
2011	4,527	1,681	2,846
2012	4,382	1,644	2,738
2013	4,076	1,460	2,616
2014	3,809	1,325	2,484
2015	3,593	1,283	2,310
2016	3,342	1,167	2,175

	Number of Employees		
	2014	2015	2016
Board of Regents Appointees	328	306	309
Faculty	259	236	233
Professor	16	14	13
Associate Professor	12	13	17
Assistant Professor	36	32	26
Instructor	30	31	31
Lecturer	145	128	122
Other	20	18	24
Support Staff	61	61	68
Executive Staff	8	9	8
Civil Service Staff	52	56	54
<b>Total Employees</b>	<b>380</b>	<b>362</b>	<b>363</b>

SOURCE: UNIVERSITY OF HAWAI'I, INSTITUTIONAL RESEARCH AND ANALYSIS OFFICE.





# 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 Hawai'i: Maui, Moloka'i, Lāna'i and Kaho'olawe. The total land area of Maui County is 1,170.9 square miles with a general coastline of 210 statute miles. The highest peak in the county is on Haleakalā, Maui with its 10,023 foot summit at Pu'u 'ula'ula (Red Hill); the largest stream is Kalialinui-Wai'ale Gulch, Maui, 18 miles; the most extensive lake or similar body, Keālia Pond (Marsh), Maui, 500 acres and the highest waterfall (in the county and in the state) is Kahiwa, Moloka'i, a 1,750-foot cascade.

The State Land Use Commission currently zones 30,060 acres in Maui County as urban, 311,601 as conservation, 400,913 as agricultural and 8,326 as rural.

The island of Kaho'olawe (28,800 acres) was transferred from the federal government to the State of Hawai'i 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, and The State of Hawai'i 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 <sup>1</sup>	
	Total	Land <sup>2</sup>	Inland Water <sup>3</sup>	Total	Land
<b>State Total</b>	<b>6468.2</b>	<b>6,422.63</b>	<b>45.6</b>	<b>4,139,667</b>	<b>4,110,483</b>
<b>Counties<sup>4</sup></b>					
Hawai'i	4029.4	4,028.42	1.0	2,578,829	2,578,189
Maui	1170.9	1,161.52	9.4	749,389	743,373
Kalawao	13.0	11.99	1.0	8,314	7,674
Honolulu <sup>5</sup>	624.9	600.74	24.2	399,962	384,474
Kaua'i <sup>5</sup>	630.0	619.96	10.0	403,174	396,774
<b>Islands<sup>4</sup></b>					
Hawai'i	4029.4	4,028.42	1.0	2,578,829	2,578,189
Maui	777.9	771.99	5.9	497,850	494,074
Molokini <sup>6</sup>	0.0	0.04	0.0	23	23
Kaho'olawe	45.5	44.60	0.9	29,120	28,544
Lāna'i	141.9	141.07	0.8	90,797	90,285
Moloka'i	263.3	260.46	2.8	168,486	166,694
O'ahu	621.6	597.64	24.0	397,850	382,490
Kaua'i	561.2	552.35	8.8	359,136	353,504
Niihau	68.7	67.60	1.1	43,968	43,264
Lehua	0.4	0.44	0.0	284	284
Ka'ula	0.2	0.25	0.0	158	158

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 Ka'ula in the County of Kaua'i 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 0.036 square miles.

SOURCE: U.S. CENSUS BUREAU, 2010 CENSUS REDISTRICTING DATA (P.L. 94-171) SUMMARY FILE (FEBRUARY 2011), AND CALCULATIONS BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM, OFFICE OF PLANNING, STATE OF HAWAII DATA BOOK 2015 AND THE HAWAII STATE DATA CENTER, AND UNPUBLISHED RECORDS.

### 3.1.2

## GENERAL COASTLINE AND TIDAL SHORELINE BY COUNTY AND ISLAND

	General Coastline <sup>1</sup>		Tidal Shoreline <sup>2</sup>	
	Statute Miles	Kilometers <sup>3</sup>	Statute Miles	Kilometers <sup>3</sup>
<b>State Total</b>	<b>750</b>	<b>1,207</b>	<b>1,052</b>	<b>1,693</b>
<b>Counties</b>				
Hawai'i	266	428	313	504
Maui and Kalawao	210	338	343	552
Honolulu	137	220	234	377
Kaua'i	137	220	162	261
<b>Islands<sup>4</sup></b>				
Hawai'i	266	428	313	504
Maui	120	193	149	240
Kaho'olawe	29	47	36	58
Lāna'i	47	76	52	84
Moloka'i	88	142	106	171
O'ahu	112	180	209	336
Kaua'i	90	145	110	177
Ni'ihau	45	72	50	80
Ka'ula	2	3	2	3
<b>Northwestern Hawaiian Islands<sup>5</sup></b>				
Nihoa	3	5	3	5
Necker Island	2	3	2	3
French Frigate Shoals	6	10	6	10
Laysan Island	6	10	6	10
Lisianski Island	3	5	3	5
Kure Atoll	5	8	5	8

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

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

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

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

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

SOURCE: U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEAN SURVEY, THE COASTLINE OF THE UNITED STATES (1975).

### 3.1.3

## MAJOR NAMED WATERFALLS MAUI COUNTY

Waterfall	Cascade Height (feet)	Horizontal Distance (feet)	Average Discharge (million gal/day)
<b>Maui</b>			
Honokōhau	1,120	500	26.6
Waihi'umalu	400	150	NA
Waimoku	40	50	37.1
<b>Moloka'i</b>			
Kahiwa	1,750	1,000	NA
Pāpalaua	1,200	500	NA
Wailele	500	150	NA
Hāloku	500	200	NA
Hīpuapua	500	300	NA
'Olo'upena	300	150	NA
Moa'ula	250	200	19.7

Note: Includes the largest named waterfalls in each 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.

NA: Not available

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, HAWAII', 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	
<b>Hawai'i</b>	Mauna Ke'a <sup>1</sup>	13,796	4,205
	Mauna Loa <sup>2</sup>	13,679	4,169
	Hualālai	8,271	2,521
	Ka'unu o Kaleihoohe	5,480	1,670
	Kīlauea (Uwēkahuna)	4,093	1,248
	Kīlauea (Halema'uma'u Rim)	3,660	1,116
<b>Kaho'olawe</b>	Pu'u 'O Moa'ula Nui	1,483	452
	Pu'u Moa'ula Iki	1,434	437
<b>Maui</b>	Haleakalā (Red Hill)	10,023	3,055
	Haleakalā (Ka'upō Gap)	8,201	2,500
	Pu'u Kukui	5,788	1,764
	'Āo Needle	2,250	686
<b>Lāna'i</b>	Lāna'ihale	3,366	1,026
<b>Moloka'i</b>	Kamakou	4,961	1,512
	Oloku'i	4,606	1,404
	Ka'unuohua	4,535	1,382
	Kalaupapa Lookout	1,600	488
	Mauna Loa (Kukui)	1,430	436
<b>O'ahu</b>	Ka'ala	4,003	1,220
	Pu'u Kalena	3,504	1,068
	Kōnahuanui	3,150	960
	Tantalus	2,013	614
	Olomana	1,643	501
	Koko Crater (Kohēlepelepe)	1,208	368
	Nu'uānu 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
<b>Kaua'i</b>	Kawaikini	5,243	1,598
	Wai'ale'ale	5,148	1,569
	Nāmolokama Mountain	4,421	1,348
	Kalalau Lookout	4,120	1,256
	Hā'upu	2,297	700
	Sleeping Giant (Nounou)	1,241	378
<b>Ni'ihau</b>	Paniau	1,250	381
<b>Lehua</b>		699	213
<b>Ka'ula</b>		548	167
<b>Nihoa</b>	Millers Peak	903	275
<b>Necker Island</b>	Summit Hill	276	84
<b>French Frigate Shoal</b>	La Perouse Pinnacles	120	37
<b>Gardner Pinnacles</b>		190	58
<b>Maro Reef</b>		Awash	Awash
<b>Laysan Island</b>		40	12
<b>Lisianski Island</b>		40	12
<b>Pearl and Hermes Atoll</b>		10	3
<b>Midway Islands</b>		12	4
<b>Kure Atoll</b>		20	6

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

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, HERMES ATOLL AND KURE ATOLL).

## 3.1.5

### MISCELLANEOUS GEOGRAPHIC STATISTICS BY ISLAND

	State	Hawai'i	Maui	Kaho'olawe	Lāna'i	Molokai	O'ahu	Kaua'i	Ni'ihau
Extreme Length (miles)	NA	93.0	48.0	11.0	18.0	38.0	44.0	33.0	8.0
Extreme Width (miles)	NA	76.0	26.0	6.0	13.0	10.0	30.0	25.0	6.0
Miles of Sea Cliffs with Heights of 1,000 Feet or More <sup>1</sup>	33.0	4.0	-	-	1.0	14.0	-	11.0	3.0
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 2,000 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)	3,030.0	3,950.0	2,390.0	600.0	1,140.0	1,150.0	860.0	1380.0	530.0
Percent of Area with Slope Less than 10%	63.5	76.0	38.5	60.0	61.0	53.0	42.5	33.5	68.0
Percent of Area with Slope 20% 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 Pu'uka'ōkū Point drop 3,250 feet at an average slope of 58 degrees. These cliffs have been described by The Guinness Book of World Records (1995 edition, p. 154) as "the highest sea cliffs in the world."

NA: Not applicable.

SOURCE: HAWAII STATE DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT, HAWAII, 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**

<b>TEMPERATURE</b>	<b>Station</b>	<b>Period of Record</b>	<b>Elevation (feet)</b>	<b>Annual Average</b>		<b>Warmest Month</b>		<b>Coolest Month</b>		<b>Record High</b>		<b>Record Low</b>	
				<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>°F</b>	<b>Date</b>
	Haleakalā Ranger Station	1949-2012	7,030	62.7	44.8	66.1	47.7	59.1	41.5	80	7/25/1953	27	2/26/1965
	Hāna Airport	1950-2012	70	80.8	67.4	83.6	69.8	78.2	63.9	94	11/3/1979	50	1/9/1953
	Kahului Airport	1954-2012	50	83.8	67.3	87.5	70.2	80.2	63.2	97	8/31/1994	48	1/20/1969
	Kailua (NE Maui, Inland)	1949-2012	700	76.2	63.5	79.0	65.8	73.9	60.5	88	9/18/1968	44	3/16/2009
	Kapalua Airport	1987-2012	240	81.9	69.1	85.6	71.9	78.2	66.0	98	4/20/2005	58	12/18/1988
	Molokaʻi Airport	1957-2012	450	81.4	67.6	85.4	71.0	77.4	63.1	96	4/14/1974	46	3/4/1987
	Lānaʻi Airport	1949-2012	1,300	79.3	62.7	82.7	65.8	75.8	59.2	93	7/2/2004	46	1/22/1955
	Lānaʻi City	1949-2012	1,620	75.4	62.4	78.5	65.1	72.5	59.5	92	10/20/2006	47	2/22/1973

<b>PRECIPITATION</b>	<b>Station</b>	<b>Annual Avg Inches</b>	<b>Days Precip ≥ 0.01 in.</b>	<b>Wettest Year</b>		<b>Driest Year</b>		<b>Wettest Month</b>		<b>Driest Month</b>		<b>1 Day Record</b>	
				<b>Inches</b>	<b>Year</b>	<b>Inches</b>	<b>Year</b>	<b>Inches</b>	<b>Month</b>	<b>Inches</b>	<b>Month</b>	<b>Inches</b>	<b>Date</b>
	Haleakalā Ranger Station	51.28	140	121.16	1980	17.71	1962	8.15	Jan	1.18	Jun	18.50	1/9/1980
	Hāna Airport	80.48	267	126.23	1965	49.64	1953	9.52	Mar	4.08	Jun	17.57	4/16/1968
	Kahului Airport	18.23	95	40.63	1989	6.76	1998	3.51	Jan	0.22	Jun	5.82	12/21/1955
	Kailua (NE Maui, Inland)	118.50	265	161.82	1969	79.20	1953	12.81	Mar	6.75	Jun	15.20	11/15/1965
	Kapalua Airport	28.62	157	48.43	2004	18.92	2000	4.54	Dec	1.00	Sept	8.14	3/24/2006
	Molokaʻi Airport	24.96	104	43.70	1963	11.06	2001	4.44	Jan	0.52	Jun	9.03	2/12/1989
	Lānaʻi Airport	18.82	58	47.66	1951	5.28	1999	3.29	Dec	0.50	Aug	10.45	11/10/1955
	Lānaʻi City	34.29	111	66.87	1968	15.64	1999	5.25	Jan	1.27	Jun	11.25	11/10/1955

SOURCE: U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, WESTERN REGIONAL CLIMATE CENTER, HAWAII CLIMATE SUMMARIES.

3.1.7

**MONTHLY RAINFALL AND TEMPERATURE AT SPECIFIED LOCATIONS  
MAUI COUNTY, 2016**

Rainfall'	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
<b>Maui</b>													
Haleakalā Ranger Station	0.04	2.21	2.37	4.48	7.22	2.65	8.49	6.34	6.13	4.32	1.33	12.83	17.73
Hāna Airport	1.20	3.34	7.18	5.54	9.55	5.47	7.44	13.37	10.09	3.45	3.76	19.42	89.81
Kahului Airport	0.55	0.99	1.95	1.20	3.03	0.35	1.35	0.54	1.24	0.65	0.56	6.59	19.00
Kailua (NE Maui)	1.87	5.48	10.41	13.73	10.48	9.39	5.68	7.39	20.11	10.47	8.53	4.40	9.39
Kapalua Airport	0.53	1.59	0.79	4.16	3.52	1.68	2.23	2.62	3.73	1.59	1.28	7.04	29.39
Kīhei	0.16	0.26	1.88	0.72	0.75	0.00	0.46	0.23	1.26	0.00	NA	NA	5.72
Kula Branch Station	0.04	1.16	5.13	1.55	2.89	1.16	3.42	2.54	3.03	0.08	0.23	4.44	26.88
'Ohe'o	1.11	2.05	0.45	7.75	2.66	6.08	6.37	9.71	13.97	5.40	5.62	9.48	58.06
Pā'ia	0.77	1.85	1.97	5.61	7.63	2.80	3.58	4.18	3.22	3.07	NA	NA	34.68
'Ulupalakua Ranch	0.20	0.28	0.96	0.40	5.72	1.67	4.02	3.12	4.74	0.12	0.65	7.83	20.10
Waihe'e Valley	1.52	2.80	8.79	3.23	12.09	4.33	2.73	4.25	8.48	2.44	2.14	NA	52.80
<b>Moloka'i</b>													
Maunaloa	0.79	1.82	1.19	0.67	1.79	0.89	4.92	3.10	2.93	1.14	0.60	5.41	4.29
Moloka'i Airport	0.45	1.08	1.07	0.52	1.11	0.23	1.80	0.72	2.45	0.99	0.57	3.97	14.96
Kaunakakai	0.41	0.41	1.12	0.36	0.24	0.12	1.13	0.20	1.51	0.16	0.07	3.37	9.10

3.1.7

CONTINUED

Temperature <sup>1,2</sup>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
<b>Maui</b>													
Haleakalā Ranger Station	53.5	51.4	51.6	53.5	54.3	55.0	57.9	58.6	56.0	56.1	55.9	52.7	NA
Hāna Airport	71.8	71.7	72.2	74.6	74.8	75.6	77.2	77.9	77.6	76.4	74.4	72.6	74.7
Kahului Airport	72.2	72.7	74.1	76.7	77.1	78.9	80.4	81.4	81.1	79.4	77.4	74.6	77.2
Kailua (NE Maui)	67.3	67.2	67.7	69.2	70.5	71.2	73.2	73.5	72.6	71.5	69.3	69.0	NA
Kapalua Airport	73.8	73.3	73.7	75.4	76.1	77.9	79.6	80.1	79.4	78.0	76.1	73.4	76.6
Kula Branch Station	61.1	60.5	61.4	63.4	64.0	65.8	67.1	68.1	67.3	66.0	63.9	62.4	64.2
'Ohe'o	NA	74.4	74.1	75.1	76.5	77.3	77.3	78.5	78.3	76.8	75.2	74.1	77.2
<b>Moloka'i</b>													
Moloka'i Airport	71.5	71.6	72.0	75.1	75.3	77.8	79.8	81.2	80.6	79.7	77.4	73.7	76.5

1. Individual months not used for annual or monthly statistics if more than 5 days are missing.

2. Average temperature for the month.

NA: Not available

SOURCE: U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, WESTERN REGIONAL CLIMATE CENTER, HAWAII CLIMATE SUMMARIES.

### 3.1.8

## ANNUAL RAINFALL AND TEMPERATURE AT SPECIFIED LOCATIONS, MAUI COUNTY

Annual Rainfall, Inches					
	2012	2013	2014	2015	2016
<b>Maui</b>					
Haleakalā Ranger Station	13.37	NA	13.29	33.09	17.73
Hāna Airport	14.18	56.76	76.85	71.25	89.81
Kahului Airport	5.04	15.41	23.25	29.26	19.00
Kailua (NE Maui)	17.02	NA	21.65	NA	9.39
Kapalua Airport	19.07	18.84	36.06	32.99	29.39
Kīhei	2.17	6.76	17.97	14.22	5.72
Kula Branch Station	11.34	22.16	39.26	39.86	26.88
‘Ohe‘o	63.81	52.09	70.42	68.10	58.06
Pā‘ia	20.03	29.06	36.18	34.71	34.68
‘Ulupalakua Ranch	8.12	20.20	36.82	30.84	20.10
Waihe‘e Valley	27.23	40.63	58.75	63.72	52.80
<b>Moloka‘i</b>					
Maunaloa	1.75	1.42	16.95	14.88	4.29
Moloka‘i Airport	7.15	18.91	40.38	22.51	14.96
Kaunakakai	4.02	15.08	19.59	13.90	9.10
Average Annual Temperature, Fahrenheit					
	2012	2013	2014	2015	2016
<b>Maui</b>					
Haleakalā Ranger Station	50.5	NA	NA	51.7	NA
Hāna Airport	74.6	74.2	74.9	75.4	74.7
Kahului Airport	75.5	76.5	77.0	77.2	77.2
Kapalua Airport	75.8	78.2	76.7	77.0	76.6
Kula Branch Station	63.0	63.5	64.1	64.7	64.2
‘Ohe‘o	74.2	75.5	75.5	73.9	77.2
<b>Moloka‘i</b>					
Moloka‘i Airport	74.8	74.2	74.9	75.2	76.5

NA: Not available.

SOURCE: U.S. DEPT. OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC DATA CENTER.

### 3.2.1

## TRENDS IN REAL PROPERTY TAX BASE MAUI COUNTY

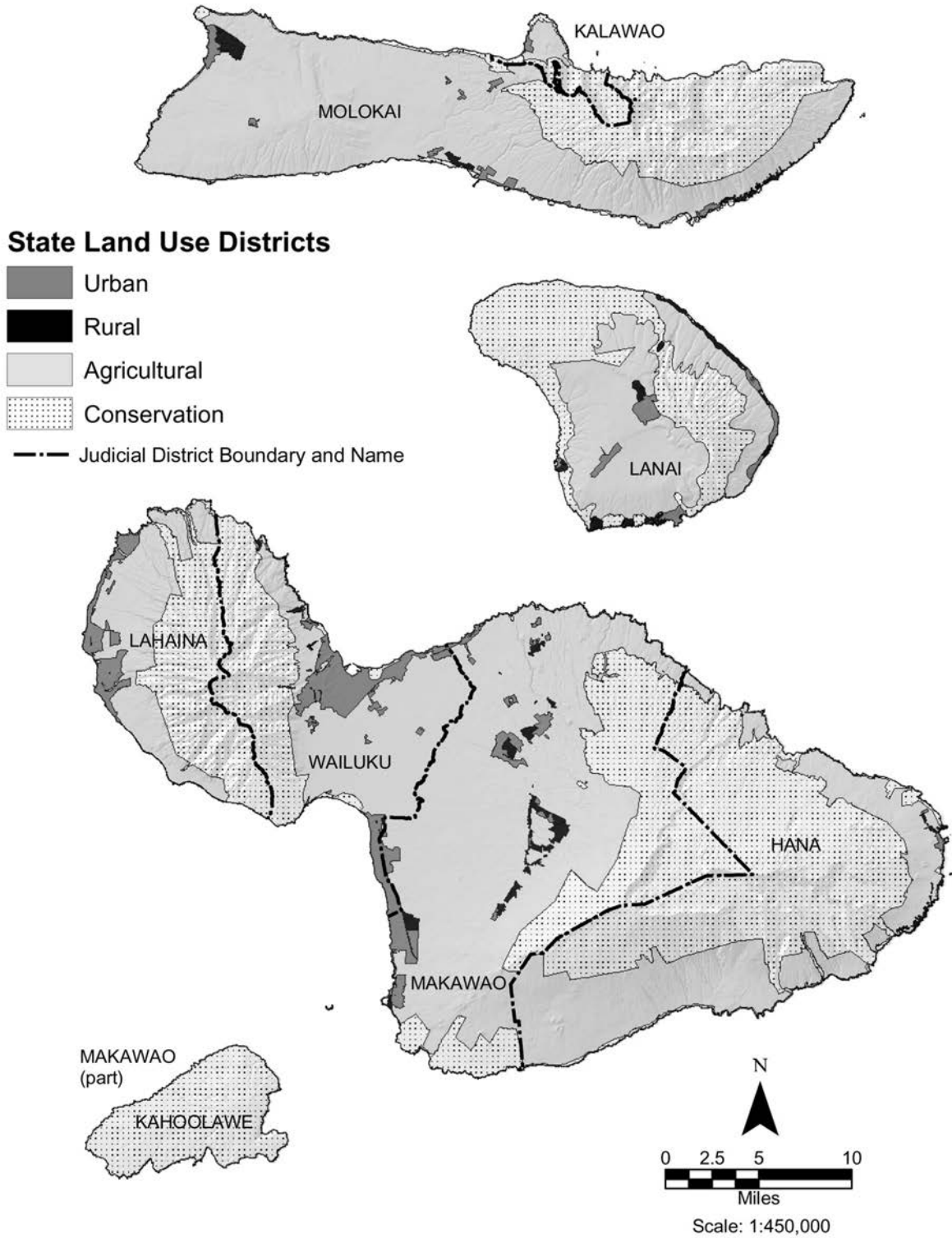
*Gross valuation in thousands  
As of mid-April*

	2011	2012	2013	2014	2015	2016
<b>Residential</b>	<b>6,111,342</b>	<b>5,661,777</b>	<b>5,893,266</b>	<b>6,028,645</b>	<b>6,711,804</b>	<b>7,254,893</b>
Land	4,000,496	3,503,854	3,601,197	3,686,699	4,070,656	4,261,638
Improvement	2,110,846	2,157,923	2,292,069	2,341,946	2,641,148	2,993,255
<b>Apartment</b>	<b>5,183,099</b>	<b>4,734,126</b>	<b>4,916,549</b>	<b>5,234,865</b>	<b>5,946,767</b>	<b>6,277,268</b>
Land	1,756,162	1,491,850	1,623,663	1,726,925	1,848,829	1,895,057
Improvement	3,426,937	3,242,276	3,292,887	3,507,941	4,097,938	4,382,212
<b>Commercial</b>	<b>2,369,348</b>	<b>2,090,675</b>	<b>2,118,943</b>	<b>2,172,533</b>	<b>3,181,514</b>	<b>3,683,412</b>
Land	1,464,329	1,183,383	1,196,976	1,222,050	2,043,733	2,316,865
Improvement	905,019	907,292	921,968	950,483	1,137,781	1,366,546
<b>Industrial</b>	<b>1,562,690</b>	<b>1,617,626</b>	<b>1,793,130</b>	<b>1,628,188</b>	<b>1,869,580</b>	<b>2,352,738</b>
Land	894,229	959,813	1,115,918	919,840	1,100,212	1,517,727
Improvement	668,461	657,813	677,213	708,349	769,368	835,011
<b>Agricultural</b>	<b>3,138,433</b>	<b>3,134,209</b>	<b>3,401,327</b>	<b>3,515,172</b>	<b>3,762,908</b>	<b>4,000,605</b>
Land	2,110,435	1,998,325	2,089,824	2,151,407	2,241,518	2,256,689
Improvement	1,027,998	1,135,884	1,311,504	1,363,765	1,521,390	1,743,916
<b>Conservation</b>	<b>426,878</b>	<b>406,382</b>	<b>500,531</b>	<b>471,161</b>	<b>490,533</b>	<b>525,273</b>
Land	297,308	281,471	295,211	281,645	285,855	305,577
Improvement	129,570	124,911	205,320	189,516	204,678	219,696
<b>Hotel/Resort</b>	<b>7,535,906</b>	<b>7,374,930</b>	<b>7,404,724</b>	<b>8,884,090</b>	<b>9,378,253</b>	<b>9,769,407</b>
Land	1,820,070	1,434,536	1,450,145	1,783,169	1,858,055	1,835,145
Improvement	5,715,836	5,940,394	5,954,578	7,100,922	7,520,198	7,934,261
<b>Homeowner</b>	<b>13,523,899</b>	<b>12,111,365</b>	<b>12,172,724</b>	<b>12,911,672</b>	<b>14,318,802</b>	<b>15,493,779</b>
Land	6,859,815	5,530,653	5,529,016	5,988,415	6,645,531	6,994,332
Improvement	6,664,084	6,580,712	6,643,709	6,923,257	7,673,272	8,499,447
<b>Time Share</b>	<b>1,627,652</b>	<b>1,510,939</b>	<b>1,484,089</b>	<b>1,595,127</b>	<b>1,773,726</b>	<b>1,908,345</b>
Land	205,659	173,172	169,889	191,541	202,790	203,455
Improvement	1,421,993	1,337,767	1,314,201	1,403,586	1,570,936	1,704,890
<b>Commercialized Residential</b>	<b>70,464</b>	<b>75,248</b>	<b>94,183</b>	<b>109,353</b>	<b>120,166</b>	<b>163,441</b>
Land	36,416	31,778	41,861	57,361	58,698	77,084
Improvement	34,048	43,470	52,323	51,992	61,469	86,357
<b>Total</b>	<b>41,549,711</b>	<b>38,717,277</b>	<b>39,779,467</b>	<b>42,550,806</b>	<b>47,554,054</b>	<b>51,429,159</b>

SOURCE: CITY AND COUNTY OF HONOLULU, DEPARTMENT OF BUDGET AND FISCAL SERVICES, REAL PROPERTY ASSESSMENT DIVISION.

3.2.2

LAND USE DISTRICTS, MAUI COUNTY



SOURCE: HAWAII STATE OFFICE OF PLANNING, HAWAII STATEWIDE GIS PROGRAM, APRIL 2013.

### 3.2.3

## ESTIMATED ACREAGE OF LAND USE DISTRICTS BY ISLAND, 2015

*Total acreage, including inland water, as classified by the Hawai'i State Land Use Commission under the provisions of Chapter 205, Hawai'i Revised Statutes, as amended; all data are approximate*

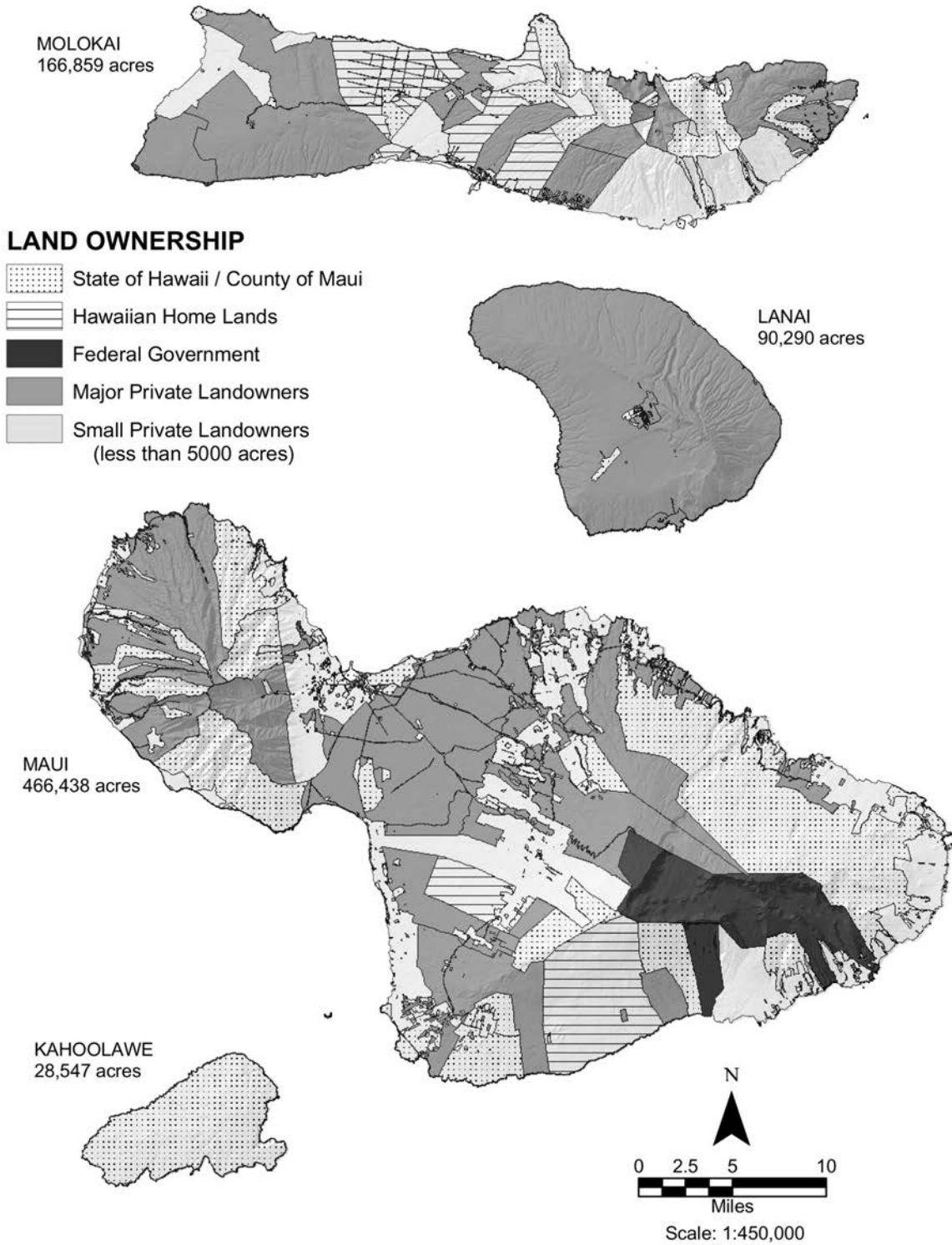
Island	Classification by State Land Use Commission <sup>2</sup>				
	Total Area <sup>1</sup>	Urban	Conservation	Agricultural	Rural
Hawai'i <sup>3</sup>	2,573,400	54,145	1,304,347	1,212,886	2,023
Maui	465,800	24,191	194,836	242,720	4,053
Lāna'i	90,500	3,330	38,197	46,566	2,407
Moloka'i	165,800	2,539	49,768	111,627	1,866
Kaho'olawe	28,800	0	28,800	0	0
O'ahu	386,188	101,661	156,829	127,698	0
Kaua'i <sup>4</sup>	353,900	14,573	198,769	139,305	1,253
Ni'ihau <sup>4</sup>	45,700	0	0	45,700	0
Ka'ula and Lehua	400	0	400	0	0
Other islands <sup>5</sup>	1,900	0	1,900	0	0
<b>State Total</b>	<b>4,112,388</b>	<b>200,439</b>	<b>1,973,846</b>	<b>1,926,502</b>	<b>11,602</b>

1. These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census, cited in Section 5.
2. For definitions, see Hawai'i Revised Statutes, Section 205-2.
3. County records update indicated 5 acres changed from Agricultural to Urban.
4. May be revised, pending updates of County records.
5. The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, excluding Midway.

SOURCE: HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, LAND USE COMMISSION.

### 3.2.4

## LAND OWNERSHIP, MAUI COUNTY



SOURCE: HAWAII STATE OFFICE OF PLANNING, HAWAII STATEWIDE GIS PROGRAM, AUGUST 2013.



### 3.2.5

## NUMBER OF LAND RECORDS BY COUNTY

*For fiscal year ending June 30*

<b>Year</b>	<b>Maui</b>	<b>Hawai'i</b>	<b>Honolulu</b>	<b>Kaua'i</b>	<b>State Total</b>
1995	56,726	129,856	242,285	27,136	456,003
1996	57,665	130,623	246,933	27,916	463,137
1997	58,624	131,981	251,731	28,876	471,212
1998	59,505	132,605	253,886	29,126	475,122
1999	60,490	133,322	255,589	29,336	478,737
2000	61,897	134,308	258,121	29,553	483,879
2001	62,873	135,499	259,456	29,818	487,646
2002	NA	NA	260,662	30,097	NA
2003	60,472	133,321	252,435	28,432	474,660
2004	60,537	134,290	255,029	28,772	478,628
2005	61,273	134,021	258,415	28,936	482,645
2006	62,521	134,885	262,479	29,423	489,308
2007	64,597	136,612	268,441	30,831	500,481
2008	65,938	138,281	271,859	31,822	507,900
2009	67,981	139,167	274,483	32,398	514,029
2010	68,930	139,649	276,582	32,870	518,031
2011	70,365	139,883	277,581	32,993	520,822
2012	71,101	140,008	278,825	34,023	523,957
2013	71,234	140,196	279,754	34,172	525,356
2014	71,515	140,257	281,463	34,124	527,359
2015	71,907	140,336	285,092	33,370	530,705
2016	71,992	140,753	287,115	33,207	533,067

NA: Not available

SOURCE: CITY AND COUNTY OF HONOLULU, DEPARTMENT OF BUDGET & FISCAL SERVICES, REAL PROPERTY ASSESSMENT DIVISION.

### 3.2.6

## NATIONAL AND STATE HISTORIC PLACES MAUI COUNTY

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### Island of Maui

'Alae Petroglyphs	Kamaole House Site
Alena Habitation Site	Kauhihale Complex
Asa Baldwin Residence	Kaupō School
Bank of Hawaii- Ha'ikū Branch	Ka'umi'umiua Heiau
Cave of Seven Coffins	Kearae School
Chee Kung Tong Society Hall	Keone'ō'io Archaeological District
Crater Historic District (Haleakala National Park)	Ket Hing Society Hall
Frank Baldwin/H.F. Rice Residence	Kilolani Congregational Church
Fred C. Baldwin Memorial Home	King Kamehameha III's Royal Residential Complex
Gomes Residence	Kīpahulu Historic District
H. Perrine Baldwin High School	Kīpapa Archaeological District
Haiku Fruit & Packing Co. Manager's House	Kula Sanitorium
Haiku Mill	Lahaina Historic District
Hale Hō'ike'ike	Lo'alo'a Heiau
Hale Pa'i	Luala'ilua Cave
Haleki'i-Pihana Heiau	Luala'ilua Heiau
Hale o Lono Heaiiau	Luala'ilua Terrace Complex
Hāmoa Complex	Lucy Kaiewe Searle Residence
Hāna Belt Road	Ma'alaea General Store
Hāna Hongwanji Temple	Makawao Union Church
Hāna District Police Station & Courthouse	Maui Jinsha Mission
Hāna Store	Moku'ula
Hanamau'uloa Complex	Molohai Heiau
Hardy House	Naniloa Drive Overpass Bridge
Holy Ghost Catholic Church	Old Bailey House
Honokalani Village	Pā'ia Mantokuji Soto Mission
Honokowai Petroglyphs	Pā'ia School
'Īao Theater	Papakea Heiau
Ka'ahumanu Church	Papakea Petroglyphs
Kahikinui House	Pi'ilanihale Heiau
Kahului Railroad Station	Pioneer Mill Company Office
Kaiapuni Ko'a	Pu'unēnē School
Kaimupe'elua Heiau	Wahene Platform
Kalepolepo Fishpond	Wai'ale Bridge
Kaluakakalioa Cave	Waihe'e Church
Kaluanui Heiau Complex	Waikapū Stone Church

### 3.2.6

## CONTINUED

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### Island of Maui (Continued)

Wailuku Civic Center District

Wailuku School

Wānanalua Congregational Church

William K. Kaluakini Residence

Wo Hing Society Hall

### Island of Kaho‘olawe

Kaho‘olawe Archaeological District

### Island of Lāna‘i

Keāliakapu Complex-Kaunolu Village Site

Pu‘u Pehe Platform

### Island of Moloka‘i

Ahahui Kalaniana‘ole

‘Ahina Heiau

Ali‘i Pond

Anahaki Gulch Complex

Ananaluwahine Cave

California Packing Corp.'s Plantation Manager's Res.

Fishing shrine at Keawa Ka Lani

### FISHPONDS

Halemahana Fishpond

Honouliwai Fishtrap

Ipukaiole Fishpond

Kahinapōhaku Fishpond

Kainalu Fishpond

Kalua‘aha Fishpond

Kipapa Fishpond

Koloko‘eli Fishpond

Mahilika Fishpond

Mikiawa Fishpond

Pahiomu Fishpond

Panahana Fishpond

Waiakea Fishpond

Weheleau‘ulu Fishpond

Hōkūkano ‘Ualapu‘e Complex

‘Ili‘ili‘ōpae Heiau

Kahokukano Heiau

Kalauonākukui Heiau

Kaluakapi‘ioho Heiau

Keawanui Fishpond

Kukui Heiau

Pāku‘i Heiau

Pu‘u‘ōlelo Heiau

‘Ualapu‘e Fishpond

Kaheu Gulch Habitation Site

Kahili Koa

Kalaupapa Leprosy Settlement

Kalua‘aha Church

Kalualohe Complex

Kamaka‘ipo Gulch Habitation Site

Kamaka‘ipo Lowlands Habitation Site

Kamaka‘ipo Point Fishing Shrine

Kape‘elua Complex

Kapukikani Heiau

Kaupikiawa Cave

Kawela archeological sites

Keawakalae Ko‘a

Kilohana School

Luahine Maika (Bowling) Run

Moloka‘i Public Library

Nanahoa Complex

Niho Complex

R. W. Meyer Sugar Mill

Sandalwood Pit

Southwest Moloka‘i Archeological District

St. Joseph Catholic Church

U.S. Coast Guard Moloka‘i Light

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SOURCE: HAWAII‘I STATE DEPARTMENT OF LAND AND NATURAL RESOURCES, STATE HISTORIC PRESERVATION DIVISION.

### 3.2.7

## DEPARTMENT OF HAWAIIAN HOME LANDS ACREAGE, LESSEES, AND APPLICANTS BY ISLAND

*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*

2014/2015	Maui	Lānaʻi	Molokaʻi	Hawaiʻi	Kauaʻi	Oʻahu	State Total
<b>Acreage<sup>1</sup></b>							
Homestead Leases	NA	NA	NA	NA	NA	NA	NA
General Leases	2	0	1,764	741	98	234	2,839
Licenses	7,110	0	350	16,470	84	309	24,322
Others	6,351	25	9,982	19,122	1,184	1,853	38,517
<b>Homestead Leases<sup>1</sup></b>							
Residential	1,276	29	394	1,707	700	4,223	8,329
Agricultural	65	0	423	506	46	61	1,101
Pastoral	75	0	27	305	1	0	408
<b>Applications<sup>2</sup></b>							
Residential	3,714	75	765	5,766	1,630	10,626	22,576
Agricultural	4,591	0	1,056	7,089	2,211	3,631	18,578
Pastoral	599	0	197	1,951	316	0	3,063

NA: Not available

1. As of June 30, 2014.

2. As of June 30, 2015.

SOURCE: HAWAII STATE DEPARTMENT OF HAWAIIAN HOMELANDS, ANNUAL REPORTS AND RECORDS.

3.2.8

**DISPOSITION OF STATE LANDS  
MAUI COUNTY, 2016**

<b>Document Number</b>	<b>Permittee or Grantee Name</b>	<b>Location</b>	<b>Acres</b>	<b>Use</b>	<b>Payment</b>
<b>Revocable Permits</b>					
RP7869	Noel and Linda Keliikoa	Moloka'i	0.29	Ag-Residence	1,224
<b>General Leases &amp; Term Easements</b>					
GL6082	Association of Apartment Owners of Lahaina Roads	Lahaina	0.054	Seawall / Boat ramp	151,500

SOURCE: STATE OF HAWAII, DEPARTMENT OF LAND AND NATURAL RESOURCES.

### 3.2.9

## SINGLE FAMILY HOME AND CONDOMINIUM SALES BY AREA, MAUI COUNTY, 2016

Area	# Sales	% Change Last Yr	Avg. Price	% Change Last Yr	Median Price	% Change Last Yr	Total Volume	% Change Last Yr
<b>Single Family Homes</b>								
Central	346	-14%	\$585,975	12%	\$557,000	10%	\$202,747,390	-3%
Ha'ikū	66	-19%	\$917,701	-3%	\$841,500	20%	\$60,568,249	-21%
Hāna	11	38%	\$1,230,273	36%	\$750,000	26%	\$13,533,000	88%
Kā'anapali	22	0%	\$1,823,208	-11%	\$1,597,500	-11%	\$40,110,577	-11%
Kahakuloa	2	100%	\$941,750	44%	\$941,750	44%	\$1,883,500	187%
Kapalua	14	40%	\$3,638,571	21%	\$2,562,500	-10%	\$50,940,000	70%
Kaupo	1	NA	\$1,300,000	NA	\$1,300,000	NA	\$1,300,000	NA
Kīhei	162	10%	\$938,836	8%	\$633,750	6%	\$152,091,468	20%
Kula/Ulupalakua/Kanaio	82	-15%	\$1,072,674	15%	\$717,500	-1%	\$87,959,229	-3%
Lahaina	67	31%	\$1,327,586	17%	\$760,000	9%	\$88,948,274	54%
Lāna'i	20	43%	\$446,275	-20%	\$419,500	12%	\$8,925,500	14%
Makawao/Olinda/Hali'imaile	71	22%	\$648,809	-2%	\$552,000	4%	\$46,065,450	21%
Maui Meadows	26	24%	\$1,250,829	5%	\$1,287,500	26%	\$32,521,550	30%
Moloka'i	18	-22%	\$483,111	7%	\$386,500	53%	\$8,695,999	-17%
Nāhiku	1	-67%	\$575,000	47%	\$575,000	56%	\$575,000	-51%
Nāpili/Kahana/Honokōwai	40	33%	\$1,136,188	31%	\$875,000	-1%	\$45,447,515	75%
Olowalu	3	0%	\$2,683,333	130%	\$1,700,000	15%	\$8,050,000	130%
Pukalani	71	3%	\$668,828	-1%	\$635,000	2%	\$47,486,809	1%
Spreckelsville/Pā'ia/Ku'au	29	26%	\$1,926,552	116%	\$748,000	23%	\$55,870,000	172%
Wailea/Mākena	24	-11%	\$3,634,042	-8%	\$2,825,000	49%	\$87,217,000	-18%
<b>Maui Summary</b>	<b>1,076</b>	<b>-1%</b>	<b>\$967,413</b>	<b>13%</b>	<b>\$636,750</b>	<b>10%</b>	<b>\$1,040,936,510</b>	<b>12%</b>
<b>Condominiums</b>								
Central	165	28%	\$369,799	16%	\$345,000	10%	\$61,016,786	48%
Kā'anapali	119	17%	\$1,230,307	-2%	\$1,022,500	3%	\$146,406,509	14%
Kapalua	33	-21%	\$2,053,012	7%	\$965,000	-6%	\$67,749,384	-16%
Kīhei	457	4%	\$419,968	4%	\$335,000	-2%	\$191,925,250	9%
Lahaina	72	-29%	\$475,833	2%	\$480,573	9%	\$34,259,955	-28%
Lāna'i	6	100%	\$1,503,333	15%	\$1,212,500	-33%	\$9,020,000	130%
Mā'alaea	58	35%	\$417,815	15%	\$402,000	18%	\$24,233,264	56%
Moloka'i	15	-12%	\$177,200	77%	\$170,000	85%	\$2,658,000	56%
Nāpili/Kahana/Honokōwai	266	36%	\$433,989	-2%	\$407,500	2%	\$115,441,078	33%
Pukalani	10	233%	\$513,164	-6%	\$507,500	1%	\$5,131,638	212%
Spreckelsville/Pā'ia/Ku'au	4	100%	\$905,750	-11%	\$321,500	-68%	\$3,623,000	79%
Wailea/Mākena	105	-5%	\$1,397,156	-10%	\$1,075,000	5%	\$146,701,400	-15%
<b>Maui Summary</b>	<b>1,310</b>	<b>10%</b>	<b>\$616,921</b>	<b>-3%</b>	<b>\$415,000</b>	<b>1%</b>	<b>\$808,166,264</b>	<b>6%</b>

NA: Not available

SOURCE: REALTORS ASSOCIATION OF MAUI, MLS SALE DATA.

## 3.2.10

## LAND SALES BY AREA, MAUI COUNTY, 2016

Area	# Sales	% Change Last Yr	Avg. Price	% Change Last Yr	Median Price	% Change Last Yr	Total Volume	% Change Last Yr
Central	19	-27%	\$352,658	-17%	\$315,000	20%	\$6,700,500	-39%
Ha'ikū	21	-5%	\$865,024	55%	\$535,000	28%	\$18,165,500	48%
Hāna	3	-40%	\$278,333	8%	\$310,000	3%	\$835,000	-35%
Honokohau	0	-100%	\$0	-100%	\$0	-100%	\$0	-100%
Kā'anapali	17	21%	\$660,684	-1%	\$680,000	6%	\$11,231,625	20%
Kahakuloa	5	400%	\$321,400	-15%	\$345,000	-8%	\$1,607,000	326%
Kapalua	7	250%	\$1,081,429	-63%	\$925,000	-69%	\$7,570,000	28%
Kaupo	0	-100%	\$0	-100%	\$0	-100%	\$0	-100%
Kīhei	12	-20%	\$675,167	32%	\$454,750	1%	\$8,102,000	6%
Kipahulu	2	NA	\$592,500	NA	\$592,500	NA	\$1,185,000	NA
Kula/Ulupalakua/ Kanaio	13	-32%	\$617,231	15%	\$540,000	-2%	\$8,024,000	-21%
Lahaina	20	100%	\$1,048,178	70%	\$999,500	97%	\$20,963,560	240%
Lāna'i	0	-100%	\$0	-100%	\$0	-100%	\$0	-100%
Makawao/Olinda/ Hali'imaile	9	80%	\$378,457	-47%	\$330,000	16%	\$3,406,111	-5%
Maui Meadows	2	100%	\$522,500	-16%	\$522,500	-16%	\$1,045,000	67%
Moloka'i	13	18%	\$142,023	59%	\$125,000	123%	\$1,846,300	88%
Nāhiku	2	NA	\$469,250	NA	\$469,250	NA	\$938,500	NA
Nāpili/Kahana/ Honokōwai	2	100%	\$412,500	-58%	\$412,500	-58%	\$825,000	-15%
Olowalu	3	50%	\$731,333	-16%	\$699,000	-20%	\$2,194,000	25%
Pukalani	6	100%	\$325,502	-60%	\$307,490	-44%	\$1,953,010	-20%
Spreckelsville/ Pā'ia/Ku'au	1	NA	\$2,950,000	NA	\$2,950,000	NA	\$2,950,000	NA
Wailea/Mākena	3	-75%	\$875,000	-82%	\$675,000	-85%	\$2,625,000	-96%
<b>Maui Summary</b>	<b>160</b>	<b>4%</b>	<b>\$638,544</b>	<b>-28%</b>	<b>\$459,750</b>	<b>3%</b>	<b>\$102,167,106</b>	<b>-25%</b>

NA: Not available

SOURCE: REALTORS ASSOCIATION OF MAUI, MLS SALE DATA.

### 3.2.11

## FOREST AND NATURAL AREA ACREAGE BY ISLAND

*On June 30, 2015*

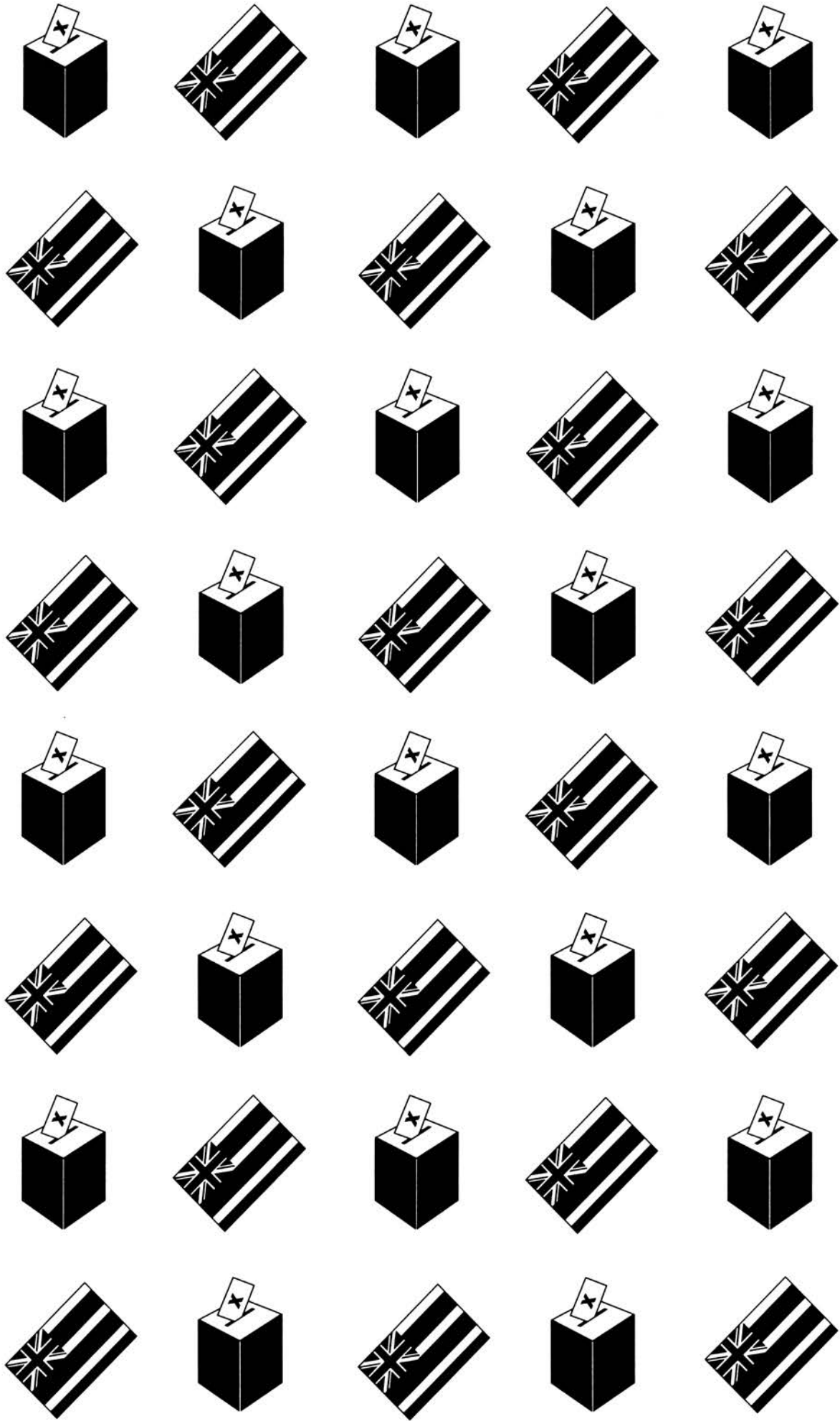
Island	Conservation District Forest Land		Natural Areas	
	Forest Reserve <sup>1</sup>	Private Forest <sup>2</sup>	Number of Areas	Acres
<b>State Total</b>	<b>651,002</b>	<b>328,742</b>	<b>21</b>	<b>123,810</b>
Hawai'i	448,101	106,745	8	94,954
Maui	68,220	53,180	5	18,543
Kaho'olawe	0	0	0	0
Lāna'i	0	6,150	0	0
Moloka'i	11,690	0	2	2,950
O'ahu	36,817	88,817	4	2,148
Kaua'i	86,174	73,850	2	5,215
Ni'ihau	0	0	0	0

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.

SOURCE: HAWAII STATE DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF FORESTRY AND WILDLIFE.





# 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 Hawai'i is vested in one combined city and county (Honolulu, consisting of the Island of O'ahu and outlying islets), three non-metropolitan counties (Hawai'i, Kaua'i and Maui), and one area (Kalawao County) administered by the Hawai'i 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 2012.

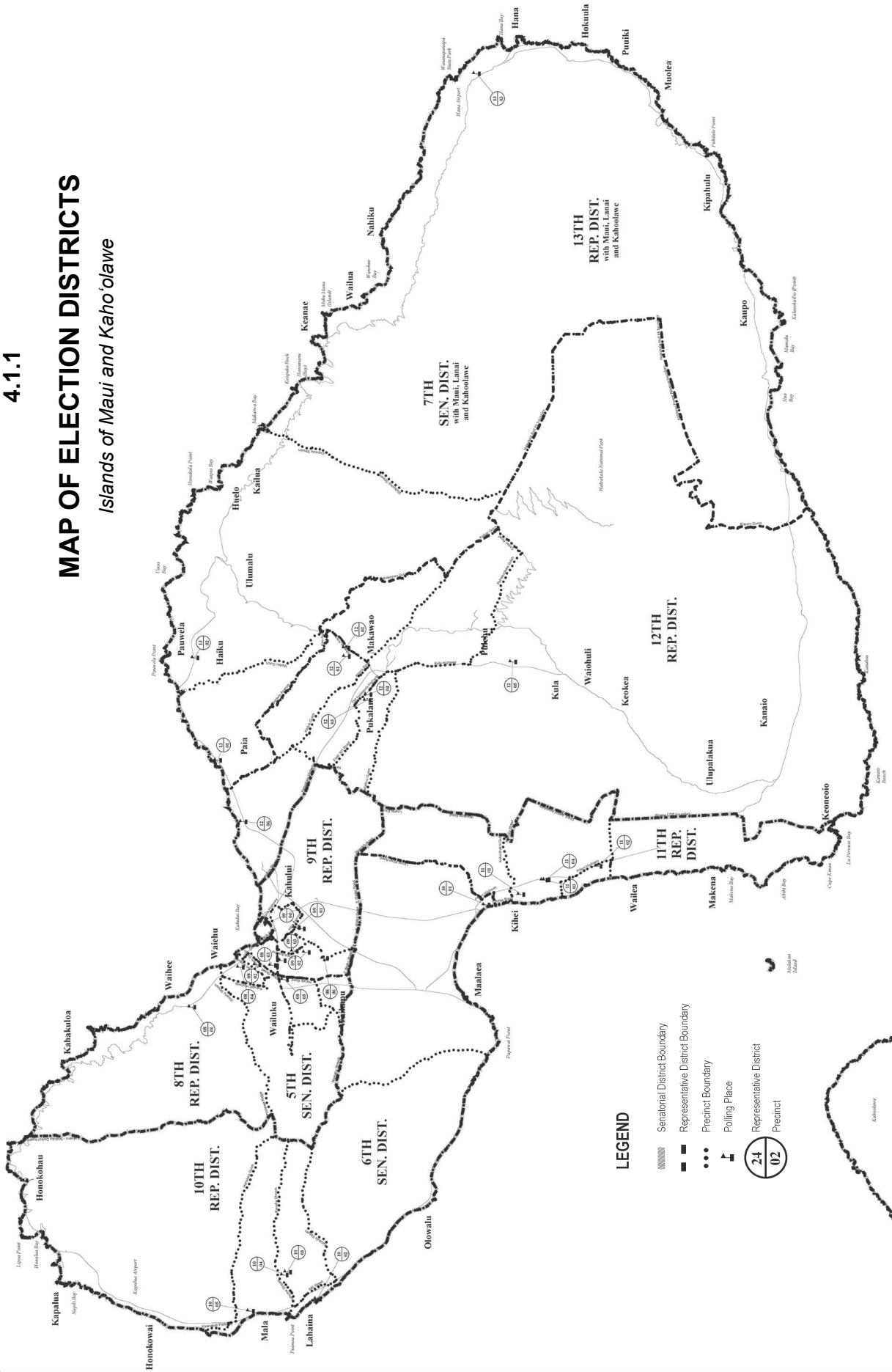
Important sources on statistics on government include: Government in Hawai'i; Revenue Trends (monthly tax collection reports), Hawai'i State Department of Taxation; State of Hawai'i Data Book, and Hawai'i State Department of Business, Economic Development and Tourism.

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/>. The State of Hawai'i does not report on its spending by county.

4.1.1

MAP OF ELECTION DISTRICTS

Islands of Maui and Kaho'olawe

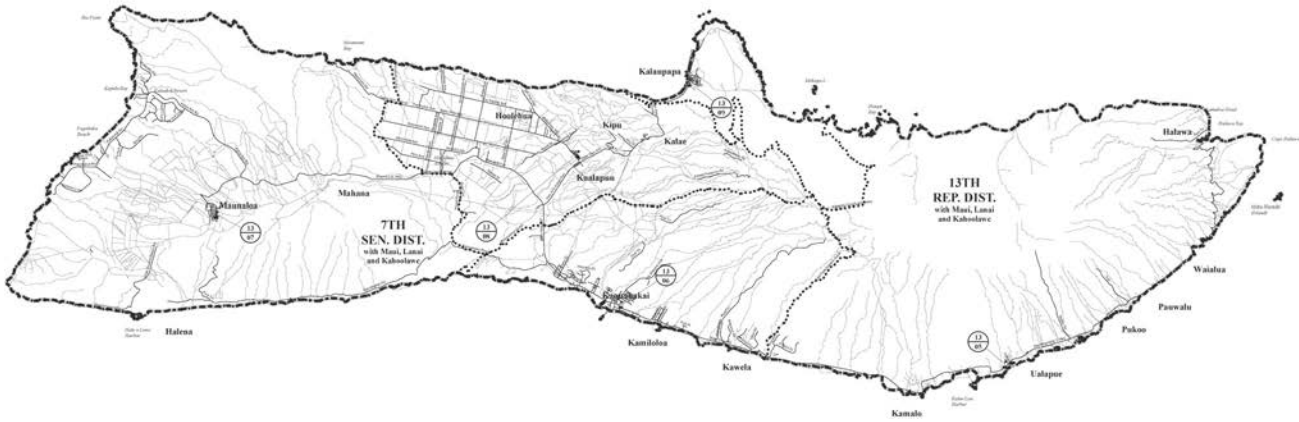


SOURCE: STATE OF HAWAII, OFFICE OF ELECTIONS, JUNE 2016.







## 4.1.2

# MAP OF ELECTION DISTRICTS

*Island of Moloka'i*



### LEGEND

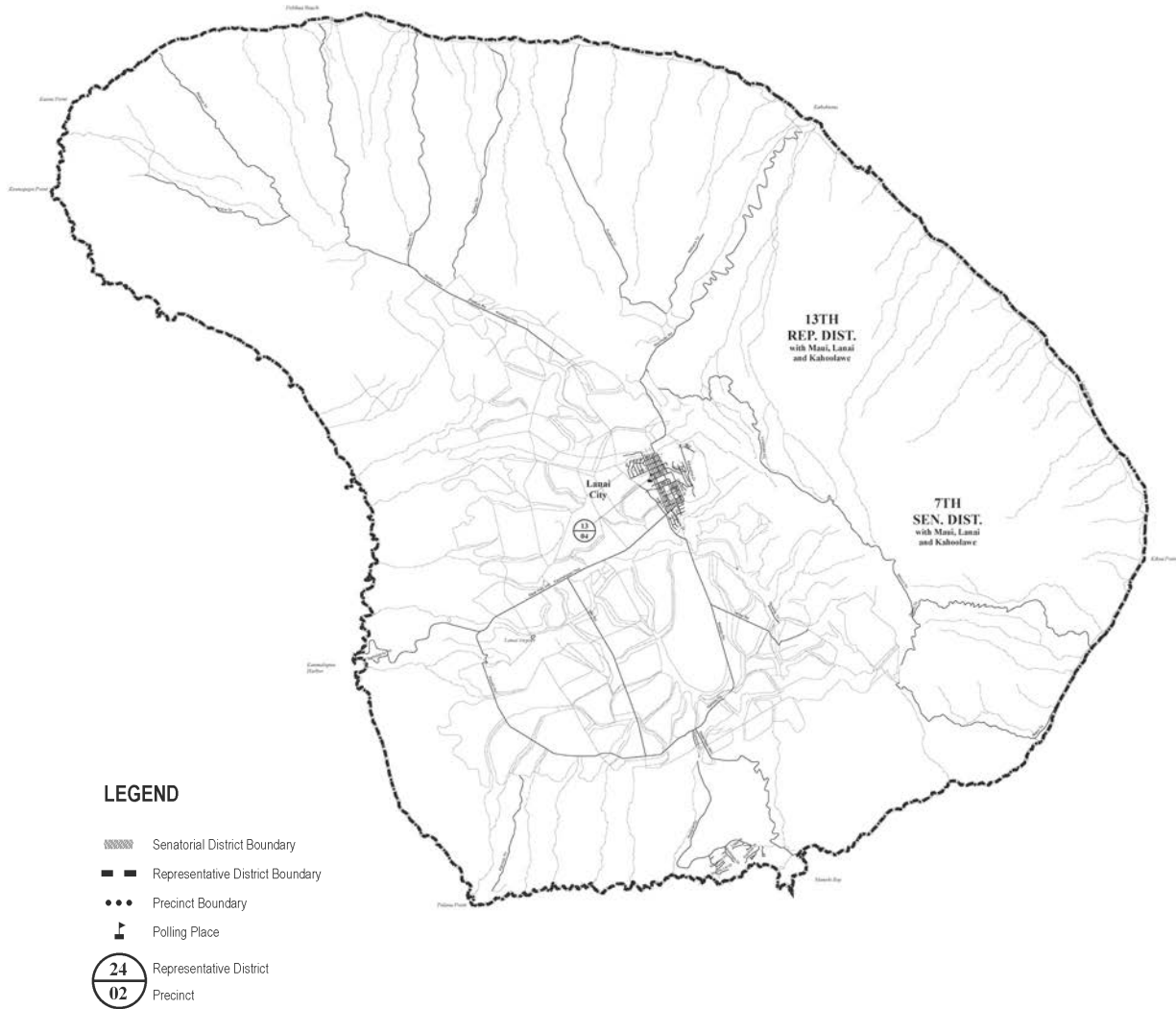
-  Senatorial District Boundary
-  Representative District Boundary
-  Precinct Boundary
-  Polling Place
-  Representative District
-  Precinct

SOURCE: STATE OF HAWAII, OFFICE OF ELECTIONS, JANUARY 2014.

4.1.3

MAP OF ELECTION DISTRICTS

*Island of Lānaʻi*



SOURCE: STATE OF HAWAII, OFFICE OF ELECTIONS, JANUARY 2014.

## 4.1.4

### LIST OF POLLING PLACES

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#### **8th Representative District**

##### **Kahakuloa, Waihe'e, Waiehu, Wailuku, Kahului**

1. Waihe'e Elementary School
2. Velma McWayne Santos Community Center
3. Baldwin High School
4. Paukūkalo Hawaiian Homes Comm. Ctr.
5. 'Īao Intermediate School
6. Pomaika'i Elementary School
7. Maui Economic Opportunity Center

#### **9th Representative District**

##### **Wailuku, Kahului, Spreckelsville**

1. Kahului Elementary School
2. Maui Waena Intermediate School
3. Lihikai Elementary School
4. Maui High School

#### **10th Representative District**

##### **Lahaina, Ma'alaea, North Kīhei**

1. Kenolio Recreational Complex
2. Kamehameha III Elementary School
3. Lahaina Intermediate School
4. Princess Nahī'ena'ena Elementary School
5. Lahaina Civic Center

#### **11th Representative District**

##### **Kīhei, Mākena, Wailea, Maui Meadows**

1. Trinity Episcopal Church by the Sea
2. Kamali'i Elementary School
3. Kīhei Community Center
4. Kīhei Elementary School

#### **12th Representative District**

##### **Hāli'imaile, Pukalani, Makawao, Kula, 'Ulupalakua**

1. Kalama Intermediate School
2. Eddie Tam Memorial Center
3. Pukalani Elementary School
4. Mayor Hannibal Tavares Comm. Ctr.
5. Kula Community Center
6. Kaunoa Senior Citizen Center

#### **13th Representative District**

##### **Pā'ia, Ha'ikū, Ke'anae, Hāna**

1. Pā'ia Community Center
2. Ha'ikū Community Center
3. Hāna High and Elementary School

##### **Island of Lāna'i**

4. Lāna'i High and Elementary School

##### **Island of Moloka'i**

5. Kilohana Community Center
6. Kaunakakai School
7. Maunaloa Community Center
8. Kualapu'u Community Center
9. Kalaupapa Settlement

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SOURCE: STATE OF HAWAII, OFFICE OF ELECTIONS.

4.2.1

**REGISTERED VOTERS AND VOTES CAST  
NOVEMBER 8, 2016 GENERAL ELECTION**

District	Precinct Name	Registered Voters		Votes Cast		Turnout	District	Precinct Name	Registered Voters		Votes Cast		Turnout
		Voters	Cast	Voters	Cast				Voters	Cast			
8-1	Waihe'e Elementary School	1,991	555	27.9%	11-1	Trinity Episcopal Church	3,399	935	27.5%				
8-2	Santos Community Center	3,487	851	24.4%	11-2	Kamali'i Elementary School	4,570	1,324	29.0%				
8-3	Baldwin High School	1,621	367	22.6%	11-3	Kihei Community Center	4,082	1,147	28.1%				
8-4	Paukūkalo Hwn Homes Comm Ctr.	1,999	379	19.0%	11-4	Kihei Elementary School	4,374	1,257	28.7%				
8-5	ʻĪao Intermediate School	4,238	1,003	23.7%		Absentee walkins		948					
8-6	Pomaikai Elementary School	1,761	501	28.4%		Absentee mail		3,220					
8-7	Maui Economic Opportunity Center	1,241	268	21.6%									
	Absentee walkins		1,142		12-1	Kalama Intermediate School	3,517	1,063	30.2%				
	Absentee mail		4,706		12-2	Eddie Tam Memorial Center	2,241	715	31.9%				
9-1	Kahului Elementary School	3,786	1,116	29.5%	12-3	Pukalani Elementary School	3,087	927	30.0%				
9-2	Maui Waena Intermediate School	3,546	923	26.0%	12-4	Mayor H. Tavares Comm Ctr.	3,363	1,043	31.0%				
9-3	Lihikai Elementary School	2,350	628	26.7%	12-5	Kula Community Center	5,101	1,520	29.8%				
9-4	Maui High School	2,502	582	23.3%	12-6	Kaunoa Senior Citizen Center	280	124	44.3%				
	Absentee walkins		529			Absentee walkins		939					
	Absentee mail		3,202			Absentee mail		4,758					
10-1	Kenolio Recreational Complex	1,582	443	28.0%	13-1	Pā'ia Community Center	1,850	592	32.0%				
10-2	Kamehameha III Elementary	2,474	749	30.3%	13-2	Ha'ikū Community Center	7,169	2,227	31.1%				
10-3	Lahaina Intermediate School	2,527	784	31.0%	13-3	Hāna High and Elementary	1,475	443	30.0%				
10-4	Princess Nahienā'ena Elementary	1,927	507	26.3%	13-4	Lāna'i High and Elementary	1,782	594	33.3%				
10-5	Lahaina Civic Center	6,203	1,802	29.1%	13-5	Kilohana Community Center	641	191	29.8%				
	Absentee walkins		427		13-6	Kaunakakai School	2,073	485	23.4%				
	Absentee mail		2,356		13-7	Maunaloa Community Center	381	111	29.1%				
					13-8	Kualapu'u Community Center	1,257	340	27.0%				
					13-9	Kalaupapa Settlement	34	0	0.0%				
						Absentee walkins		1,141					
						Absentee mail		3,108					

SOURCE: STATE OF HAWAII, OFFICE OF ELECTIONS.

4.2.2

**GENERAL ELECTION RESULTS  
MAUI COUNTY, NOVEMBER 8, 2016**

	Votes	%		Votes	%
<b>President and Vice President</b>			<b>Councilmember (East Maui)</b>		
D) Clinton, Hillary/ Kaine, Tim	33,480	63.2%	Carroll, Robert (Bob)	25,273	47.7%
R) Trump, Donald/ Pence, Michael	13,446	25.4%	Sinenci, Shane	19,119	36.1%
G) Stein, Jill/ Baraka, Ajamu	2,390	4.5%	Blank Votes	8,544	16.1%
L) Johnson, Gary/ Weld, Bill	2,035	3.8%	<b>Councilmember (West Maui)</b>		
C) Castle, Darrell/ Bradley, Scott	594	1.1%	Cochran, Elle	31,970	60.4%
Blank Votes	980	1.9%	Balinbin, Ernest	12,575	23.7%
<b>U.S. Senator</b>			Blank Votes		
D) Schatz, Brian	37,214	70.3%	<b>Councilmember (Wailuku, Waihe'e, Waikapū)</b>		
R) Carroll, John	10,203	19.3%	Atay, Alika	23,322	44.0%
C) Allison, Joy	1,302	2.5%	Kane, Dain	22,513	42.5%
L) Kokoski, Michael	1,008	1.9%	Blank Votes	7,105	13.4%
A) Giuffre, John	188	0.4%	<b>Councilmember (Kahului)</b>		
Blank Votes	3,015	5.7%	Guzman, Don	30,764	58.1%
<b>U.S. Representative, Dist. 2</b>			Medeiros, Vanessa		
D) Gabbard, Tulsi	41,046	77.5%	Blank Votes	8,390	15.8%
R) Kaaihue, Angela Aulani	8,713	16.4%	<b>Councilmember (South Maui)</b>		
Blank Votes	3,190	6.0%	King, Kelly Takaya	23,641	44.6%
<b>State Representative, Dist. 8</b>			Couch, Don		
D) Souki, Joe	6,514	66.7%	Blank Votes	6,705	12.7%
R) Rebolledo, Gilbert	2,575	26.4%	<b>Councilmember (Makawao, Ha'ikū, Pā'ia)</b>		
Blank Votes	680	7.0%	White, Mike	25,771	48.7%
<b>State Representative, Dist. 10</b>			Furtado, Trinette		
D) McKelvey, Angus	4,716	66.7%	Blank Votes	6,760	12.8%
R) Marten, Chayne	1,700	24.1%	<b>Councilmember (Upcountry)</b>		
Blank Votes	648	9.2%	Sugimura, Yuki Lei Kashiwa	23,264	43.9%
<b>State Representative, Dist. 11</b>			Greig-Nakasone, Napua		
D) Ing, Kaniela	5,835	66.1%	Blank Votes	7,450	14.1%
R) Pekus, Daniel	2,501	28.3%	<b>Councilmember (Lāna'i)</b>		
Blank Votes	494	5.6%	Hokama, Riki	23,272	44.0%
<b>State Representative, Dist. 13</b>			Johnson, Gabe		
D) Decoite, Lynn	5,824	63.1%	Blank Votes	19,092	36.1%
G) Nihilananda, Nick	2,773	30.0%	<b>Councilmember (Moloka'i)</b>		
Blank Votes	631	6.8%	Crivello, Stacy Helm	22,763	43.0%
			Rawlins-Fernandez, Keani	18,496	34.9%
			Blank Votes	11,682	22.1%

SOURCE: HAWAII STATE OFFICE OF ELECTIONS.



### 4.2.3

## GENERAL ELECTION RESULTS OFFICE OF HAWAIIAN AFFAIRS TRUSTEES AND STATE CONSTITUTIONAL AMENDMENTS MAUI COUNTY, NOVEMBER 8, 2016

### Office of Hawaiian Affairs

	Votes	Percent
<b>At Large Trustee</b>		
Akina, Keli'i	18,751	35.4%
Apoliona, Haunani	18,693	35.3%
Blank Votes	15,520	29.3%
Over Votes	8	0.0%
<b>Hawai'i Resident Trustee</b>		
Trask, Mililani	20,168	38.9%
Lindsey, Robert (Bob)	18,705	35.3%
Blank Votes	13,638	25.7%
Over Votes	11	0.0%

### State of Hawai'i Constitutional Amendments

	Votes	Percent		Votes	Percent
<b>Disposition of Excess Revenues</b>			<b>Jury Trials in Civil Cases</b>		
Yes	27,347	51.6%	Yes	24,000	45.3%
No	16,370	30.9%	No	21,484	40.6%
Blank	9,232	17.4%	Blank	7,460	14.1%

SOURCE: HAWAII STATE OFFICE OF ELECTIONS.

#### 4.2.4

## GENERAL ELECTION RESULTS MAUI COUNTY CHARTER AMENDMENTS NOVEMBER 8, 2016

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### Ballot Text Summaries and Results

Allow the withdrawal of a signature from a supplemental petition?

Yes	33,958	64.1%
No	9,581	18.1%
Blank Votes	9,390	17.7%

Allow the County Clerk twenty (20) days to review a supplemental petition, instead of ten (10) days?

Yes	27,863	52.6%
No	16,239	30.7%
Blank Votes	8,839	16.7%

Change the name of the Civil Defense Agency to the Maui County Emergency Management Agency?

Yes	27,616	52.2%
No	17,310	32.7%
Blank Votes	8,002	15.1%

Require Council approval of the appointment of various directors, and allow additional qualifications for directors to be established by ordinance?

Yes	34,591	65.3%
No	10,734	20.3%
Blank Votes	7,606	14.4%

Allow Office of Council Services' attorneys to serve as legal advisors or representatives to the Council and its members?

Yes	26,971	50.9%
No	16,078	30.4%
Blank Votes	9,891	18.7%

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SOURCE: HAWAII STATE OFFICE OF ELECTIONS.

4.3.1

**STATEMENT OF REVENUES AND EXPENDITURES  
MAUI COUNTY**

*In thousands of dollars. For year ending June 30*

	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>Revenues</b>				
Taxes	246,315	255,440	268,178	280,825
Licenses and Permits	27,231	28,185	30,946	30,460
Intergovernmental Revenues	64,074	69,449	72,049	69,038
Charges for Services	65,617	64,251	64,839	70,575
Fines and Forfeitures	3,018	2,250	2,075	2,537
Interest and investment earnings	1,018	1,747	1,358	2,592
Other	6,076	6,882	4,604	5,140
Assessments	791	1,086	1,322	2,345
<b>Total Revenues</b>	<b>414,139</b>	<b>429,290</b>	<b>445,371</b>	<b>463,511</b>
<b>Expenditures</b>				
General Government	89,510	190,718	105,479	115,623
Public Safety	80,782	78,981	90,349	92,811
Highway and Streets	35,926	44,878	40,260	39,827
Sanitation	45,366	46,344	54,552	52,454
Social Welfare	46,315	45,298	42,579	45,920
Culture and Recreation	26,346	39,739	29,530	28,912
Legislative	5,533	5,987	6,559	6,493
Capital Outlay	68,648	77,097	81,371	65,147
Debt Service: Principal	23,770	24,593	26,926	20,825
Interest	10,051	9,424	10,905	9,607
<b>Total Expenditures</b>	<b>432,246</b>	<b>563,058</b>	<b>488,509</b>	<b>477,619</b>
<b>Excess (Deficiency) of Revenues over Expenditures</b>	<b>(18,106)</b>	<b>(133,768)</b>	<b>(43,138)</b>	<b>(14,109)</b>

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

SOURCE: MAUI COUNTY DEPARTMENT OF FINANCE, COMPREHENSIVE ANNUAL FINANCIAL REPORTS.

### 4.3.2

## STATE TAX COLLECTION MAUI COUNTY

	2013	2014	2015	2016
Banks/Financial Corps	15,400	7,124	14,245	22,967
Employment Sec. Contri.	0	0	0	0
Fuel	7,688,458	3,142,763	4,952,341	29,805,946
GE License/Fees	0	0	0	30,767
General Excise & Use Tax <sup>1</sup>	187,252,238	187,280,786	202,188,522	199,013,033
Honolulu County Surcharge <sup>2</sup>	1,531,316	1,517,910	1,625,325	963,853
Income-Corporate				
Decl. of Estimated Taxes	1,500,588	1,361,255	1,818,099	1,243,398
Payment With Returns	608,065	422,103	1,235,231	1,673,448
Refunds	(488,121)	(1,195,281)	(504,193)	(586,348)
Income-Individual				
Decl. of Estimated Taxes	41,579,293	35,595,168	41,135,847	36,240,017
Payment With Returns	20,823,234	20,682,519	23,023,611	24,521,937
Withholding Tax on Wages	68,572,254	75,704,027	82,351,800	85,864,464
Refunds	(43,397,847)	(41,937,074)	(41,127,638)	(42,432,928)
Inheritance/Estate	106,000	18,989	1,443,239	1,432,093
Liquor and Permits	7,208,954	7,352,755	7,580,791	7,606,014
Motor Vehicle Tax/Fees	20,171,880	19,716,743	20,759,191	21,161,638
Public Service Company	17,915,064	18,006,353	17,839,865	14,753,823
Tobacco and Licenses	9,469,335	7,191,025	4,328,226	3,845,946
Transient Accom./Time Share Occup. Fees	0	0	0	807
Transient Accom. Tax/Time Share Occ. Tax	44,676,518	31,850,226	35,980,172	25,664,626
All Others	145	220	165	135
<b>Total</b>	<b>\$385,232,773</b>	<b>\$366,717,613</b>	<b>\$404,644,839</b>	<b>\$410,825,635</b>

1. May also contain some revenue from the Honolulu County Surcharge.

2. Surcharge began in 2007. Businesses with activities in Honolulu may have to pay surcharge despite not being located on O'ahu.

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

SOURCE: HAWAII STATE DEPARTMENT OF TAXATION, STATE TAX COLLECTIONS AND DISTRIBUTIONS.

### 4.3.3

## ESTIMATED REAL PROPERTY TAX REVENUE MAUI COUNTY

*In thousands of dollars*

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### Fiscal Year 2016-2017

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Assessor's gross valuation	51,429,159
Land	21,663,569
Improvement	29,765,590
Exemptions	6,431,175
Assessor's net taxable valuation	44,997,984
Half of valuation on appeal	634,447
Number of appeals	707
Valuation for tax rate purposes	44,363,537
Land	20,081,964
Improvement	24,281,573
<b>Amount to be raised by taxation</b>	<b>271,706</b>

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SOURCE: CITY AND COUNTY OF HONOLULU, DEPARTMENT OF BUDGET & FISCAL SERVICES, REAL PROPERTY ASSESSMENT DIVISION.

#### 4.3.4

### REAL PROPERTY TAX RATES MAUI COUNTY

*Dollars per \$1,000 net taxable value*

Land Use Class	Rate Fiscal Year 2016-2017
<b>Building</b>	
Residential	5.30
Apartment	6.00
Commercial	6.60
Industrial	6.69
Agricultural	5.66
Conservation	5.80
Hotel and Resort	8.71
Homeowner	2.70
Time Share	14.31
Commercialized Residential	4.35
<b>Land</b>	
Residential	5.30
Apartment	6.00
Commercial	6.60
Industrial	6.69
Agricultural	5.66
Conservation	5.80
Hotel and Resort	8.71
Homeowner	2.70
Time Share	14.31
Commercialized Residential	4.35

SOURCE: CITY AND COUNTY OF HONOLULU, DEPARTMENT OF BUDGET AND FISCAL SERVICES, REAL PROPERTY ASSESSMENT DIVISION.

### 4.3.5

## DEBT OF MAUI COUNTY GOVERNMENT

*In thousands of dollars*

<b>Fiscal Year</b>	<b>General Obligation Bonds</b>	<b>Notes Payable</b>	<b>Total Outstanding Debt</b>
2005	263,508	6,938	270,446
2006	243,635	5,996	249,631
2007	257,762	8,976	266,738
2008	281,530	12,990	294,520
2009	278,708	12,918	291,626
2010	262,709	12,823	275,532
2011	288,222	12,862	301,084
2012	263,180	14,609	277,789
2013	296,419	5,262	301,681
2014	287,193	17,672	304,865
2015	312,965	20,469	333,434
2016	309,404	22,260	331,664

SOURCE: MAUI COUNTY DEPARTMENT OF FINANCE, COMPREHENSIVE ANNUAL FINANCIAL REPORTS.

4.4

**PERSONNEL BY DEPARTMENT FOR FISCAL YEARS  
MAUI COUNTY**

	2014	2015	2016	2017
Civil Defense	6.0	6.0	6.0	6.8
Corporation Counsel	34.5	34.5	34.5	37.5
Environmental Management				
General	7.0	5.0	5.0	5
Wastewater	118.0	117.0	117.0	118
Solid Waste	94.0	95.0	99.0	99
Finance	142.8	142.8	145.8	147.5
Fire & Public Safety	318.0	318.0	319.0	368
Housing & Human Concerns	80.0	80.3	80.3	86.8
Liquor Control	26.0	26.0	26.0	26
Management	54.0	56.0	58.8	58
Parks and Recreation				
General	417.5	426.3	426.8	378.3
Golf	21.9	20.9	20.9	20.9
Personnel Services	18.0	19.0	18.0	18
Planning	62.0	62.0	62.0	64
Police	513.1	518.5	520.0	524
Prosecuting Attorney	71.0	72.0	72.0	73
Public Works				
General	82.8	115.0	115.0	115
Highways	175.0	143.0	145.0	145
Transportation	6.0	6.0	6.0	6
Water Supply	216.0	219.0	219.0	220

SOURCE: MAUI COUNTY OFFICE OF THE MAYOR, BUDGET OFFICE.



## 4.5.1

## COUNTY PROPERTY TAX EXEMPTIONS BY TYPE MAUI COUNTY, FY 2016-2017

Type of Exemption	Number	Amount (\$1,000)
Federal Government	80	53,231
State Government	1,359	1,625,969
County Government	567	497,162
Government Leases-Total	82	85,332
Government Leases-Portion	52	39,908
Hawaiian Homes Commission	527	38,482
Hawaiian Homes Land-Basic	738	128,217
Hawaiian Homes Land-Multiple	141	23,197
Hawaiian Homes Land-Total Land	1,363	137
Hawaiian Homes Land-Vacant Land	243	25
Hawaiian Homes-7 year	110	23,873
Homes-Fee (Basic)	19,270	3,805,595
Homes-Fee (Multiple)	5,403	1,063,617
Homes-Leasehold (Basic)	231	45,202
Homes-Leasehold (Multiple)	406	79,503
Blind	27	660
Deaf	7	125
Hansen's Disease (Leprosy)	1	25
Totally Disabled	388	9,077
Totally Disabled Veterans	275	140,940
Cemeteries	8	1,515
Charitable Organizations	221	303,116
Childcare	17	850
Churches	250	343,715
Credit Unions	17	21,643
Forest Reserve	3	67
Historic Residential Properties	7	13,980
Kuleana	49	23,510
Hospitals	11	44,514
Landscaping, Open-Space	1	10
Low-Moderate Income Housing	42	168,513
Public Utilities	77	97,764
Roadways and Waterways	1,706	6,542
Schools	18	151,775
Taro	57	212
Miscellaneous	2	144
<b>Total</b>	<b>33,756</b>	<b>8,838,147</b>

SOURCE: CITY AND COUNTY OF HONOLULU, DEPARTMENT OF BUDGET & FISCAL SERVICES, REAL PROPERTY ASSESSMENT DIVISION.

#### 4.5.2

### LIQUID FUEL TAX BASE AND TAX COLLECTIONS MAUI COUNTY

*Fiscal year ending June 30, 2016*

Source of Revenue	Gallons	State Tax	County Fuel Tax	Total Tax
Gasoline	64,797,316	\$10,726,692	\$11,533,312	\$22,260,004
Diesel oil (non-hwy)	15,616,032	246,039	0	246,039
Diesel oil (hwy)	6,089,823	1,011,518	1,085,356	2,096,874
Liquid petro. gas (hwy)	0	0	0	0
Small boat (gas)	202	32	36	69
Small boat (diesel oil)	0	0	0	0
Aviation fuel	72,695,390	1,145,938	0	1,145,938
Other fuel	372,813	14,913	29,920	44,832
<b>Subtotal</b>	<b>159,571,576</b>	<b>13,145,132</b>	<b>12,648,623</b>	<b>25,793,755</b>
Environmental Tax	4,255,188	4,339,944	0	4,339,944
<b>Total</b>		<b>17,485,076</b>	<b>12,648,623</b>	<b>30,133,699</b>

SOURCE: STATE OF HAWAII, DEPARTMENT OF TAXATION, MONTHLY TAX COLLECTION REPORTS.

#### 4.5.3

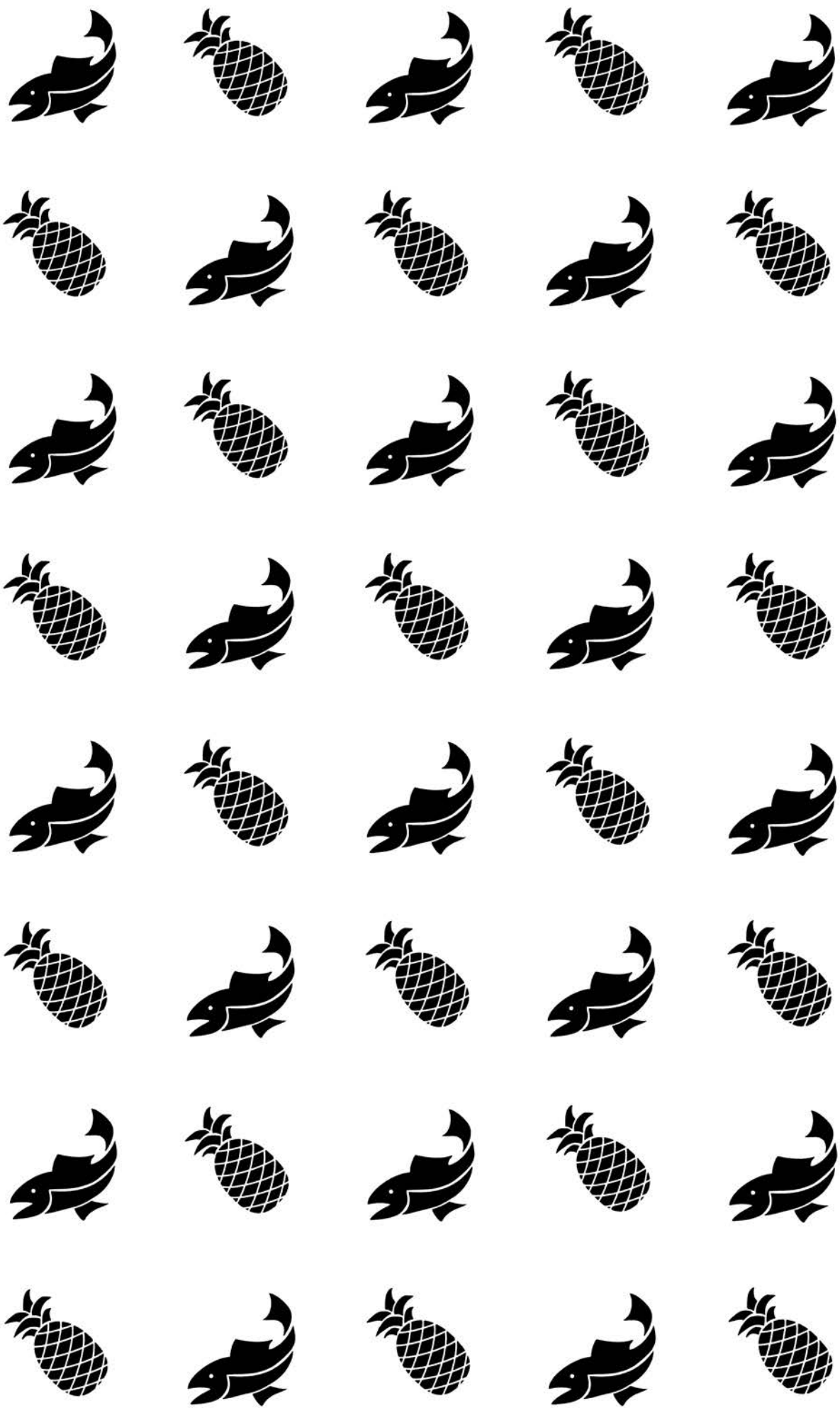
### LIQUID FUEL TAX ALLOCATION BY FUND MAUI COUNTY

*Fiscal year ending June 30, 2016*

	Amount	Total Tax
State Highway Special Fund	\$11,879,202	
State Airports Special Fund	1,145,938	
State Boating Special Fund	246,478	13,271,618
County Fuel Tax:		
Lanai	145,289	
Molokai	87,419	
Maui	12,289,429	12,522,137
Environmental Response Fund	206,806	
Energy Security Fund	620,417	
Energy Development Fund	413,612	
Agricultural Development Fund	620,417	
General Fund	2,478,692	4,339,944
<b>Grand Total</b>		<b>\$30,133,699</b>

SOURCE: STATE OF HAWAII, DEPARTMENT OF TAXATION, MONTHLY TAX COLLECTION REPORTS.

# Agriculture & Aquaculture



## Section 5

# AGRICULTURE & AQUACULTURE

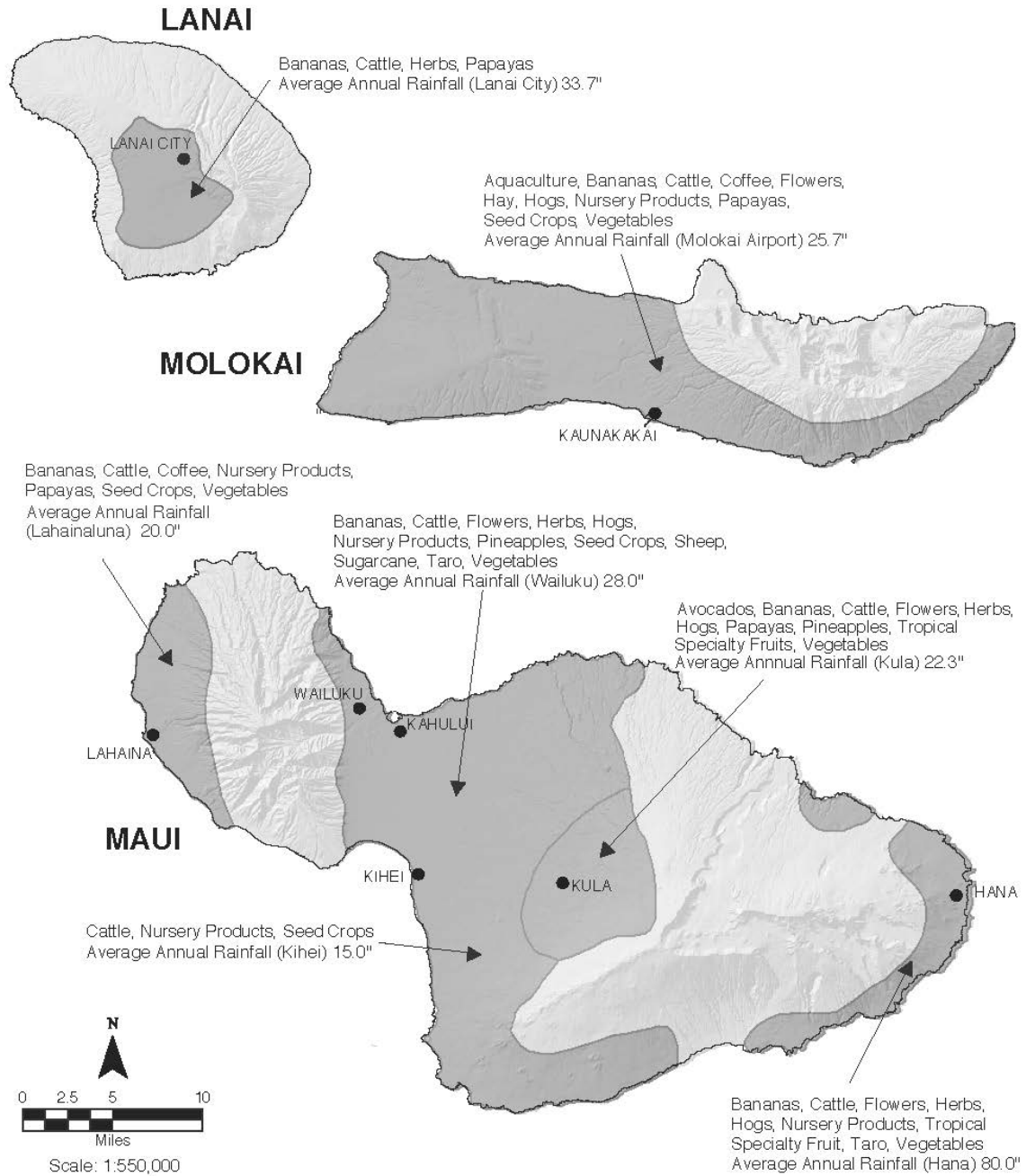
This section includes statistics on agriculture and aquaculture. Statistics about farms are presented along with the value and distribution of farm and other land based herbaculture production. Fish catches and other aquaculture statistics are given.

Agriculture remains an important element in Maui County's economy and land use patterns. The trend toward diversification of agriculture continues.

The data in this section comes mainly from the 2012 U.S. Census of Agriculture, the Hawai'i Agriculture Statistics Service, specific crop producers, and the Hawai'i State Department of Land and Natural Resources.

5.1.1

**AGRICULTURAL AREAS  
MAUI COUNTY**



SOURCE: HAWAII DEPARTMENT OF AGRICULTURE, AGRICULTURAL DEVELOPMENT DIVISION, AND U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE. STATISTICS OF HAWAII AGRICULTURE, 2011.

5.1.2

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

	1997	2002	2007	2012
<b>Tenure of Operator</b>				
Full Owners				
Farms	460	529	827	774
Acres	81,616	82,274	62,325	94,317
Part Owners				
Farms	137	115	138	151
Acres	188,649	135,661	141,052	108,528
Owned land in farms (acres)	140,909	102,342	105,762	75,931
Rented land in farms (acres)	47,740	33,319	35,290	32,597
Tenants				
Farms	209	179	191	203
Acres	21,825	38,755	22,191	26,321
<b>Operator Characteristics</b>				
Place of Residence				
On farm operated	536	623	929	840
Not on farm operated	215	200	227	288
Not reported	55	NA	NA	NA
<b>Principal Occupation</b>				
Farming	372	434	515	609
Other	434	389	641	519
<b>Days of Work Off Farm<sup>1</sup></b>				
None	290	413	229	406
Any	455	410	927	722
1 to 49 days	59	47	155	100
50 to 99 days	33	36	151	125
100 to 199 days	86	63	166	144
200 days or more	277	264	455	353
Not reported	61	NA	NA	NA
<b>Years on Present Farm</b>				
2 years or less	42	46	51	36
3 or 4 years	47	66	68	89
5 to 9 years	171	189	284	201
10 years or more	406	522	753	802
Average years on present farm	14.3	15.3	16.7	19.1
Not reported	140	NA	NA	NA

**5.1.2**  
**CONTINUED**

	<b>1997</b>	<b>2002</b>	<b>2007</b>	<b>2012</b>
<b>Age Group</b>				
Under 25 years	7	4	4	4
25 to 34 years	24	26	32	37
35 to 44 years	182	108	89	78
45 to 54 years	270	310	314	227
55 to 59 years	107	117	242	212
60 to 64 years	59	82	197	215
65 to 69 years	45	54	129	145
70 years and over	112	122	149	210
Average age	53.0	55.0	57.7	59.0
<b>Male</b>				
Farms	681	659	856	873
Acres	275,346	241,920	217,574	201,222
<b>Female</b>				
Farms	125	164	300	255
Acres	16,744	14,770	7,994	27,944
<b>Type of Organization</b>				
Individual or Family (sole proprietorship)				
Farms	679	701	975	904
Acres	31,942	D	34,647	65,110
Partnership				
Farms	44	37	66	96
Acres	34,620	11,357	11,751	32,275
Corporation (family held)				
Farms	56	58	69	64
Acres	101,236	76,424	114,456	113,188
Corporation (other than family held)				
Farms	13	17	33	27
Acres	123,312	99,056	60,646	D
Other (cooperative, estate or trust, institutional, etc.)				
Farms	14	10	13	37
Acres	980	D	4,068	D

D: Withheld to avoid disclosing data for individual farms

NA: Not available

1. Number of days of work off farm revised 2002.

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

### 5.1.3

## FARMS AND LAND IN FARMS MAUI COUNTY

	1997	2002	2007	2012
<b>Farms</b>	<b>806</b>	<b>823</b>	<b>1,156</b>	<b>1,128</b>
<b>Land in Farms</b>	<b>292,090</b>	<b>256,690</b>	<b>225,568</b>	<b>229,166</b>
Average size of farms (acres)	362	312	195	203
Median size of farms (acres)	6	5	5	5
<b>Estimated Market Value of Land &amp; Buildings<sup>1</sup></b>				
Average per farm (\$)	818,342	1,251,598	1,601,950	1,998,208
Average per acre (\$)	2,258	4,112	8,210	9,836
<b>Estimated Market Value of Machinery &amp; Equipment<sup>1</sup></b>				
Average per farm (\$)	88,989	58,849	52,480	53,228
<b>Farms by Size</b>				
1 to 9 acres	468	505	766	711
10 to 49 acres	233	212	289	293
50 to 179 acres	48	56	48	61
180 to 499 acres	29	20	21	24
500 to 999 acres	5	7	11	10
1,000 acres or more	23	23	21	29
<b>Total Cropland</b>				
Farms	684	692	975	902
Acres	D	60,729	54,557	49,578
<b>Harvested Cropland</b>				
Farms	605	649	928	852
Acres	32,243	28,404	26,528	D
<b>Irrigated Land</b>				
Farms	480	462	650	603
Acres	35,031	26,855	28,027	41,548
<b>Value of Agricultural Products Sold (\$1,000)</b>	<b>128,385</b>	<b>124,511</b>	<b>139,326</b>	<b>188,100</b>
Crops, including greenhouse & nursery crops	116,084	116,645	132,058	181,480
Livestock, poultry, and their products	12,301	7,866	7,268	6,620
<b>Value of Agricultural Products Sold per Farm (\$)</b>	<b>159,287</b>	<b>151,289</b>	<b>120,524</b>	<b>166,755</b>

1. Data based on a sample of farms.

D: Withheld to avoid disclosing data for individual farms

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.



### 5.1.4

## FARM EMPLOYMENT MAUI COUNTY

	1997	2002	2007	2012
<b>Number of Farms Hiring</b>	234	267	245	328
<b>Number of Farms Hiring Migrant Workers</b>	NA	5	17	6
<b>Hired Workers</b>	2,573	2,804	2,051	2,311
Worked 150 days or more	1,685	1,856	1,386	1,655
Migrant workers	NA	NA	NA	26
<b>Payroll (\$1,000)</b>	42,470	52,542	47,311	99,270

NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

### 5.1.5

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

	1997	2002	2007	2012
<b>Number of Livestock Operations, December 31</b>				
Cattle	179	145	190	204
Hogs	63	54	57	81
Goats	13	12	86	131
Sheep and lambs	10	9	33	24
Horses	145	107	175	112
Poultry	54	48	119	119
Bees	6	8	41	50
Aquaculture	2	8	2	18
<b>Value of Livestock Sales (\$1,000)</b>				
Cattle	5,420	4,670	5,689	5,231
Hogs	D	946	724	D
Goats	D	NA	NA	210
Sheep and lambs	7	NA	NA	21
Horses	102	NA	NA	51
Poultry	D	NA	NA	NA
Bees	D	NA	NA	96
Aquaculture	D	D	D	D

D: Withheld to avoid disclosure of individual operations

NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.6

**VEGETABLES ACREAGE  
AND NUMBER OF FARMS, MAUI COUNTY**

	2007		2012	
	Farms	Acres	Farms	Acres
Artichokes	1	D	1	D
Asparagus	8	D	6	D
Beans, Green Lima	0	0	3	1
Beans, Snap	21	30	28	38
Beets	10	3	13	7
Broccoli	6	D	11	69
Cabbage, Chinese	11	30	20	52
Cabbage, Head	16	114	16	106
Cabbage, Mustard	4	1	9	15
Carrots	5	1	6	2
Celery	4	D	2	D
Cucumbers and Pickles	15	196	18	236
Daikon	4	D	3	11
Eggplant	34	15	40	23
Garlic	0	0	1	D
Herbs	22	27	15	56
Kale	12	5	14	4
Lettuce, All	29	54	39	62
Mustard Greens	13	2	4	1
Okra	4	4	11	2
Onions, Dry	25	D	23	D
Onions, Green	19	25	33	31
Parsley	12	D	15	36
Peas, Chinese	3	D	4	2
Peppers, Bell	1	D	6	D
Peppers, Other than Bell	9	D	2	D
Potatoes	4	4	13	4
Pumpkins	19	13	24	D
Radishes	8	5	9	19
Squash, All	18	91	20	131
Sweet Corn	27	49	40	95
Sweet Potatoes	17	98	32	D
Tomatoes	20	D	42	89
Turnips	3	D	3	1
Watercress	4	1	4	D
Other Vegetables	105	148	60	276
<b>Total</b>	<b>210</b>	<b>1,118</b>	<b>221</b>	<b>1,798</b>

D: Withheld to avoid disclosure of individual operations

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

**5.1.7**  
**SUGARCANE**  
**MAUI COUNTY**

	2007	2008	2009	2010	2011
<b>Number of farms</b>	1	1	1	1	1
<b>Acreage (1,000 acres)</b>					
In crop	32.4	34.5	34.4	34.5	34.3
Harvested for sugar	16.9	16.9	15.1	15.5	15.1
<b>Yield per acre (tons)</b>					
Sugarcane	70.40	65.80	64.50	77.10	85.20
Raw sugar 96°	9.74	8.55	8.40	11.10	12.10
<b>Production of cane for sugar (1,000 tons)</b>	1,190	1,112	974	1,195	1,287
<b>Farm price (dollars per ton)</b>	31.80	31.00	30.80	58.40	60.70
<b>Value of cane for sugar (\$1 million)<sup>1</sup></b>	37.8	34.5	30.0	69.8	78.1
<b>Mill production (1,000 tons)</b>					
Raw sugar 96°	165	145	127	172	183
Molasses	50	52	41	51	51
<b>Average returns received (dollars per ton)</b>					
Raw sugar 96°	342.0	355.0	352.0	606.0	638.0
Molasses	87.3	87.2	142.8	106.8	164.4
<b>Value of production (\$1 million)</b>					
Raw sugar 96°	56.4	51.5	44.7	104.2	116.8
Molasses	4.4	4.5	5.9	5.4	8.4
Total	60.8	56.0	50.6	109.6	125.2

1. Value of cane for sugar estimated by deducting processing and marketing costs from value of sugar and molasses.

Note: Primary data source: Hawai'i Agricultural Research Center. Yield and farm prices may not compute due to rounding.

SOURCE: HAWAII DEPARTMENT OF AGRICULTURE, AGRICULTURAL DEVELOPMENT DIVISION AND U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, STATISTICS OF HAWAII AGRICULTURE 2011.

## 5.1.8

## FRUITS AND NUTS MAUI COUNTY

	2007		2012	
	Farms	Acreage	Farms	Acreage
<b>Noncitrus Fruits</b>	<b>549</b>	<b>1,916</b>	<b>440</b>	<b>1,512</b>
Apples	3	D	4	D
Avocados	232	154	193	D
Bananas	268	277	232	199
Coffee	76	D	77	D
Grapes	4	D	1	D
Guavas	50	43	28	20
Mangoes	66	D	59	36
Papayas	84	125	71	101
Passion Fruit	37	14	38	14
Peaches	5	D	6	D
Pears	2	D	0	0
Persimmons	32	50	19	39
Pomegranates	0	0	5	1
Other	185	D	120	182
<b>Citrus Fruits</b>	<b>221</b>	<b>190</b>	<b>206</b>	<b>161</b>
Grapefruit	51	10	34	11
Kumquats	0	0	2	D
Lemons	95	23	98	30
Limes	120	42	84	36
Oranges, All	131	86	78	41
Tangelos	41	D	21	D
Tangerines	72	19	57	19
Other	8	D	47	22
<b>Nuts</b>	<b>77</b>	<b>242</b>	<b>71</b>	<b>592</b>
Macadamia Nuts	58	236	58	574
Other Nuts	19	6	16	18

D: Withheld to avoid disclosure of individual operations

Note: Totals may not add due to rounding.

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

### 5.1.9

## FLORICULTURE AND NURSERY PRODUCTS MAUI COUNTY

*Number of farms and growing area*

2012	Farms	Sq ft under glass	Open acreage	Value of sales (\$)
Aquatic plants	4	0	3	D
Bulbs and tubers	7	3,300	D	8,350
Cuttings and seedlings	11	D	D	D
Bedding & garden plants	26	D	D	450,777
Cut flowers	168	180,196	419	3,419,390
Foliage, indoor	7	D	D	68,874
Potted flowering plants	43	283,653	40	2,068,928
Nursery stock crops	83	190,880	121	D
Sod	6	0	22	D
Vegetable seeds	4	0	36	15,180
Vegetable transplants	4	3,400	D	D

D: Withheld to avoid disclosure of individual operations

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

### 5.1.10

## FARM MACHINERY AND EQUIPMENT, MAUI COUNTY

	1997	2002*	2007	2012
Value of all equipment (\$1000)	71,547	44,843	60,352	60,042
Average per farm (\$)	88,989	58,849	52,480	53,228
Trucks				
Farms	NA	NA	862	774
Number	NA	NA	1,362	1,347
Tractors				
Farms	442	453	547	554
Number	914	881	974	1,032
Grain and bean combines				
Farms	3	1	1	6
Number	4	D	D	9
Forage harvesters				
Farms	NA	NA	13	5
Number	NA	NA	13	5
Hay balers				
Farms	1	2	3	1
Number	D	D	3	D

\* 2002 data are based on a sample of farms.

D: Withheld to avoid disclosure of individual operations. NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

### 5.1.11

## FERTILIZERS AND CHEMICALS APPLIED MAUI COUNTY

*In acres*

	1997	2002	2007	2012
Commercial fertilizer	52,334	51,645	42,248	40,923
Manure	NA	313	395	1,214
Acres treated to control				
Insects	7,945	9,901	5,566	4,424
Weeds	43,103	40,933	28,416	46,098
Nematodes	4,581	1,730	2,812	861
Diseases in crops	D	3,165	1,757	1,647
Chemicals used to control growth, thin fruit, ripen or defoliate	D	D	D	D

D: Data not provided to avoid disclosing individual information

NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

### 5.1.12

## ORGANIC AGRICULTURE STATE OF HAWAII

2012	State of Hawai'i	Hawai'i County	Honolulu County	Kaua'i County	Maui County
USDA Certified organic farms	129	89	8	5	27
USDA Exempt from certification organic farms <sup>1</sup>	97	46	11	5	35
Farms transitioning to organic	36	22	2	4	8
Value of sales of Certified or Exempt organically produced commodities					
Number of farms	184	114	15	9	46
Total organic product sales (\$1,000)	6,362	3,220	717	1,516	909
Farms by value of sales					
\$1 to \$4,999	103	59	11	4	29
\$5,000 or more	81	55	4	5	17

1. Small organic farms with gross agricultural income from organic sales less than \$5,000 per year.

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.13

**AGRICULTURAL TOURISM  
BY COUNTY**

	<b>State of Hawai'i</b>	<b>Hawai'i County</b>	<b>Honolulu County</b>	<b>Kaua'i County</b>	<b>Maui County</b>
<b>2012</b>					
Farms	233	106	36	39	52
Value (\$1,000)	17,768	1,029	6,449	3,874	6,416
<b>2007</b>					
Farms	121	58	24	9	30
Value (\$1,000)	22,911	D	6,647	D	8,464

Note: Agricultural tourism is a commercial enterprise on a working farm conducted for the enjoyment, education, and/or active involvement of the visitor, generating supplemental income for the farm. Activities such as producing and selling products directly from the farm, operating a bed and breakfast, conducting educational farm tours, offering horseback riding, festivals, concerts, and many other on-farm activities qualify as ag-tourism.

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.14

**FARM INCOME AND EXPENSES  
MAUI COUNTY**

*In thousands of dollars*

	<b>2007</b>	<b>2012</b>
<b>Income</b>		
<b>Total sales</b>	139,326	188,100
<b>Total income from farm-related sources, gross before tax and expenses</b>	14,642	8,761
Customwork and other agricultural services	306	448
Gross cash rent or share payments	D	1,533
Sales of forest products	D	D
Agri-tourism and recreational services	8,464	6,416
Patronage dividends and refunds from cooperatives	D	D
Crop and livestock insurance payments	D	146
Amount from state and local government payments	D	184
Other farm-related income sources	D	92
<b>Total federal government payments</b>	688	558
<b>Total farm production expenses</b>	129,617	195,907
Fertilizer and lime purchased	7,976	15,426
Chemicals purchased	4,008	12,092
Seeds, plants, vines and trees purchased	3,810	5,534
Livestock purchased	601	679
Feed purchased	3,669	3,261
Petroleum products purchased	7,316	11,492
Utilities	9,857	3,978
Repairs, supplies and maintenance costs	21,992	23,095
Hired farm labor	47,311	99,270
Contract labor	2,530	1,670
Customwork and custom hauling	138	341
Cash rent for land, building and grazing fees	3,409	2,037
Rent and lease expenses	996	593
Interest expense	2,019	1,988
Property tax paid	2,170	2,294
All other production expenses	11,815	12,157
<b>Net cash farm income of the operations</b>	<b>25,039</b>	<b>1,512</b>

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.



## 5.2.1

### SEA LANDINGS BY FISHING METHOD AND SPECIES GROUP STATE OF HAWAI'I

*Pounds landed*

	2010	2011	2012	2013	2014
<b>Fishing Method</b>					
Aku Pole & Line	*	347,898	*	*	*
Longline	24,019,214	25,710,602	25,858,879	26,946,146	23,807,814
Deep Bottom Handline	449,115	335,010	418,242	453,239	462,414
Tuna Handline	1,681,864	1,937,263	2,429,619	2,341,090	1,660,354
Trolling	2,866,646	2,987,387	3,677,653	3,117,723	3,417,836
All Other	1,694,227	1,252,373	1,324,155	1,430,017	1,274,772
<b>Total</b>	<b>30,711,066</b>	<b>32,570,233</b>	<b>33,708,548</b>	<b>34,288,215</b>	<b>30,623,190</b>
<b>Species Group</b>					
Tunas	17,607,486	19,990,624	21,407,164	21,578,691	18,309,846
Bill & Swordfish	5,190,083	5,602,336	4,497,917	4,514,726	4,052,962
Misc. Pelagic	5,643,817	5,168,115	6,002,848	6,501,895	6,617,202
Deep Bottomfish	445,140	358,441	406,750	442,574	455,028
Akule/'Ōpelu	855,284	600,526	527,486	511,068	536,655
Inshore	471,102	424,772	437,384	395,832	370,713
All Other	498,154	425,419	428,999	343,429	280,784
<b>Total</b>	<b>30,711,066</b>	<b>32,570,233</b>	<b>33,708,548</b>	<b>34,288,215</b>	<b>30,623,190</b>

\* Due to low level of fishermen reporting and to preserve confidentiality, data for these methods are pooled under "All Other" group.

SOURCE: STATE OF HAWAI'I, DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF AQUATIC RESOURCES,  
COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT, CALENDAR YEAR REPORTS.

## 5.2.2

### SEA LANDINGS BY PORT OF LANDING

*Pounds landed*

Port of Landing	2010	2011	2012	2013	2014
Maui County	804,633	750,029	1,019,989	792,087	951,636
Maui	763,746	694,490	972,822	738,541	901,295
Moloka'i	30,581	43,004	40,308	46,423	40,506
Lāna'i	10,821	12,212	6,909	7,184	9,835
O'ahu	26,412,864	28,218,747	28,573,124	29,877,658	25,882,328
Hawai'i	2,693,859	2,885,270	3,114,925	2,796,997	3,017,653
Kaua'i and Ni'ihau	799,710	716,187	1,000,510	821,473	771,573
<b>Total</b>	<b>30,711,066</b>	<b>32,570,233</b>	<b>33,708,548</b>	<b>34,288,215</b>	<b>30,623,190</b>

SOURCE: STATE OF HAWAII, DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF AQUATIC RESOURCES, COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT, CALENDAR YEAR REPORTS.

## 5.2.3

### SEA LANDINGS BY AREA FISHED MAUI COUNTY

*Pounds landed*

Area Fished	2010	2011	2012	2013	2014
Kawai (Moloka'i Channel)	19,545	16,226	24,374	19,675	30,859
Penguin Bank	117,093	103,726	144,954	133,663	127,220
Kealaikahiki Channel	40,080	38,431	36,448	44,958	80,128
'Alenuihāhā Channel	70,742	86,559	120,913	88,649	162,585
'Au'au, Kalohi & Pailolo Channels	26,028	38,416	34,042	40,454	38,725
'Alalākeiki Channel	82,383	85,253	110,068	105,366	103,051
Moloka'i	58,042	41,815	41,987	43,523	39,838
Lāna'i	99,546	86,263	117,741	92,158	67,124
Kaho'olawe	20,980	31,701	127,785	18,526	9,368
Mākena - Hāna	34,694	40,113	23,339	32,199	23,506
Hāna - Kahului	287,049	210,469	242,300	177,724	215,436
Honolua - Lahaina	9,731	7,515	4,240	3,160	3,637
Lahaina - Mākena	73,810	65,645	71,801	71,056	67,769

SOURCE: STATE OF HAWAII, DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF AQUATIC RESOURCES, COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT, CALENDAR YEAR REPORTS.



## 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, registered drivers, aircraft and watercraft facilities and freight traffic are presented.

With more than 42,000 tons of cargo and mail passing through Kahului Airport and over 3,700,000 tons passing through Kahului Harbor, water transport remains the primary way goods reach Maui.

The transportation statistics are mostly taken from the Hawai'i State Department of Transportation and the U.S. Army Corps of Engineers.

### 6.1.1

## AVERAGE PAID CIRCULATION OF THE MAUI NEWS

Year	Daily	Sunday
2002	21,214	26,525
2003	21,631	26,833
2004	22,032	26,931
2005	21,902	26,382
2006	21,668	26,547
2007	20,777	25,343
2008	21,974	25,209
2009	18,770	20,886
2010	18,247	20,590
2011	17,521	19,809
2012	17,387	19,662
2013	NA	NA
2014	NA	NA
2015	15,200	17,100
2016	NA	NA

SOURCE: DATA PROVIDED BY NEWSPAPER PUBLISHERS TO HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.

### 6.1.2

## AVERAGE DISTRIBUTION OF OTHER NEWSPAPERS MAUI COUNTY

Free Circulation	Number Distributed	Frequency
Maui Time	18,000	Weekly
Lahaina News	12,300	Weekly
The Moloka'i Dispatch	3,800	Weekly
Lāna'i Today	2,600	Monthly

SOURCE: HAWAII BUSINESS RESEARCH LIBRARY, PHONE SURVEY.

### 6.1.3

## CABLE TELEVISION SUBSCRIBERS AND REVENUES, BY COUNTY

	Maui	Hawai'i	Honolulu	Kaua'i	State
<b>Subscribers</b>					
2008	54,569	48,413	287,429	23,608	414,019
2009	54,447	48,149	287,266	23,511	413,373
2010	53,519	48,073	284,945	23,810	410,347
2011	53,014	47,041	279,730	23,730	403,515
2012	D	D	D	D	D
2013	D	D	D	D	D
2014	D	D	D	D	D
2015	D	D	D	D	D
<b>Basic Service Revenue (\$1,000)</b>					
2008	23,381	21,764	125,251	10,963	181,359
2009	24,034	22,340	130,298	11,281	187,954
2010	24,350	22,554	129,900	11,568	188,374
2011	25,127	23,763	133,934	12,176	195,002
2012	26,298	24,775	163,067	12,777	199,917
2013	D	D	D	D	D
2014	D	D	D	D	D
2015	D	D	D	D	D

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

SOURCE: HAWAII STATE DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, CABLE TELEVISION DIVISION.

### 6.1.4

## RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, MAUI COUNTY, 2016

Commercial	Maui County	State Total
AM	6	33
FM	14	64
TV <sup>1</sup>	5	25
<b>Public or Educational</b>		
AM	1	2
FM	6	21
TV <sup>1</sup>	1	2

1. Includes licensed stations that are digital television.

SOURCE: FEDERAL COMMUNICATIONS COMMISSION, MEDIA BUREAU, AUDIO DIVISION.

## 6.2.1

### TRAFFIC FLOWS ON MAJOR ROADS MAUI COUNTY

Site	Route	Milepoint	2013	2014	2015
Honoapi'ilani Hwy south of Kā'anapali Pkwy	30	23.58	NA	40,500	42,100
Honoapi'ilani Hwy north of Kahana Kai Bridge	30	28.37	NA	15,673	15,787
Pi'ilani Hwy near Līpoa Pkwy	31	6.97	33,000	32,700	36,900
Hāna Hwy near Central Power Plant Rd	36	1.70	33,700	35,600	41,000
Hāna Hwy near Baldwin Park	36	6.28	NA	18,200	18,700
Keolani Pl near Palapala Dr	36A	0.51	14,500	14,864	15,500
Haleakalā Hwy near North Firebreak Rd	37	0.61	29,200	29,900	31,200
North Kīhei Hwy near 9th St	310	0.86	15,500	15,800	16,800
Mokulele Hwy near Nakii Rd	311	2.38	31,000	31,900	32,300
Kuihelani Hwy near Mauilani Pkwy	380	1.52	22,600	23,500	24,500

Annual average daily traffic (AADT), the average of 24 hour counts collected every day in the year, unless otherwise specified.  
NA: Not available

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, PLANNING BRANCH.

## 6.2.2

### MOTOR VEHICLE CRASHES BY TYPE AND LOCATION MAUI COUNTY

Location	Major <sup>1</sup>		Minor <sup>2</sup>		Civil <sup>3</sup>		Non Traffic	
	2015	2016	2015	2016	2015	2016	2015	2016
Hā'iku	76	41	149	133	20	16	2	1
Hāli'imaile	6	6	11	9	4	1	0	0
Hāna	32	25	73	96	4	6	0	0
Hoolehua	6	6	8	9	1	2	0	0
Ka'anapali	46	37	107	85	127	110	3	1
Kahului	344	334	808	796	484	476	5	1
Kalaupapa	0	2	0	3	0	0	0	0
Kapalua	7	10	13	14	20	19	0	1
Kaunakakai	16	18	44	57	13	17	3	1
Kīhei	160	166	426	463	237	271	4	6
Kualapu'u	3	2	4	5	0	0	1	0
Kula	74	49	100	113	20	13	2	2
Lahaina	163	160	386	433	147	176	4	4
Lāna'i	5	11	29	26	9	7	1	1
Ma'alaea	32	41	61	56	24	17	0	0
Makawao	38	34	81	131	35	38	0	1
Mauna Loa	3	2	1	2	1	0	0	0
Nāpili	23	41	62	81	81	57	2	1
Pā'ia	43	39	92	99	50	37	0	0
Pukalani	48	18	83	85	50	58	0	0
Pūko'o	1	0	0	1	0	0	0	0
Spreckelsville	5	4	14	10	4	2	0	0
Waiehu	14	18	37	53	7	8	0	2
Waihe'e	8	9	20	22	2	2	0	0
Waikapu	10	10	25	24	8	4	0	0
Wailea	54	33	84	78	57	51	2	2
Wailuku	176	144	449	490	229	186	4	6
<b>Total</b>	<b>1,393</b>	<b>1,260</b>	<b>3,167</b>	<b>3,374</b>	<b>1,634</b>	<b>1,574</b>	<b>33</b>	<b>30</b>

1. Major vehicle crash: Resulting in injury or damages are estimated to exceed \$3,000.

2. Minor vehicle crash: No injuries or and estimated damages of less than \$3,000.

3. Crash occurred on private property.

SOURCE: COUNTY OF MAUI, MAUI POLICE DEPARTMENT.



6.2.3

**GASOLINE AND DIESEL AVERAGE PRICES  
PER GALLON**

2016	Price per Gallon	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<b>Wailuku</b>	Regular	3.169	3.124	3.109	3.117	3.157	3.222	3.280	3.261	3.244	3.282	3.302	3.372
	Mid Grade	3.312	3.273	3.235	3.222	3.267	3.330	3.398	3.379	3.364	3.403	3.426	3.481
	Premium	3.405	3.365	3.314	3.301	3.331	3.408	3.474	3.446	3.440	3.480	3.503	3.561
	Diesel	4.209	4.117	4.016	4.001	4.065	4.070	4.130	4.124	4.089	4.090	4.094	4.096
<b>Hilo</b>	Regular	2.559	2.562	2.561	2.632	2.709	2.823	2.872	2.714	2.691	2.775	2.822	2.862
	Mid Grade	2.651	2.659	2.667	2.722	2.816	2.926	2.973	2.819	2.795	2.902	2.933	2.967
	Premium	2.777	2.775	2.776	2.848	2.930	3.053	3.087	2.949	2.928	3.036	3.070	3.134
	Diesel	4.145	4.081	4.037	4.048	4.021	4.036	4.030	4.024	4.024	4.027	4.012	4.023
<b>Kaua'i</b>	Regular	2.894	2.887	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mid Grade	3.009	3.012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Premium	3.101	3.102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diesel	4.284	4.279	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>O'ahu</b>	Regular	2.479	2.408	2.348	2.406	2.443	2.561	2.621	2.541	2.659	2.742	2.759	2.806
	Mid Grade	2.597	2.530	2.464	2.514	2.552	2.667	2.735	2.650	2.764	2.854	2.876	2.915
	Premium	2.684	2.613	2.551	2.610	2.650	2.766	2.832	2.755	2.878	2.964	2.983	3.043
	Diesel	4.278	4.131	4.036	3.992	3.996	3.999	4.013	4.035	4.009	4.004	4.003	4.030

SOURCE: STATE OF HAWAII, DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, MONTHLY ENERGY TRENDS.

## 6.2.4

### HIGHWAY DISTANCES MAUI COUNTY

State Routes	Route	Miles
30	High St, Honoapi'ilani Hwy, Kahekili Hwy	41.62
31	Pi'ilani Hwy <sup>1</sup>	7.15
36	Hāna Hwy	16.21
37	Haleakalā Hwy, Kula Hwy	21.34
360	Hāna Hwy, Keawa Pl	34.83
378	Haleakalā Crater Rd	10.10
<b>Moloka'i</b>		
450	Kamehameha V Hwy	27.50
460	Kaunakakai Pl & Maunaloa Hwy	16.55
<b>Lāna'i</b>		
440	Kaumalapau Hwy & Mānele Rd	13.17

1. Not including 4.86 miles proposed.

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION.

## 6.2.5

### HAWAII DRIVER'S LICENSES IN FORCE AND VEHICLE REGISTRATION BY TYPE OF VEHICLE MAUI COUNTY

	2010	2011	2012	2013	2014	2015
<b>Driver's Licenses in Force</b>	<b>110,420</b>	<b>110,993</b>	<b>110,666</b>	<b>110,585</b>	<b>111,664</b>	<b>114,569</b>
<b>All Vehicles</b>	<b>159,221</b>	<b>169,803</b>	<b>186,047</b>	<b>197,965</b>	<b>186,519</b>	<b>179,937</b>
<b>Motor Vehicles</b>	<b>154,276</b>	<b>165,419</b>	<b>181,307</b>	<b>193,610</b>	<b>182,467</b>	<b>176,034</b>
Passenger vehicles <sup>1</sup>	118,945	129,219	143,237	154,715	144,683	138,937
Ambulances	15	17	17	16	17	21
Buses	179	182	191	201	192	188
Trucks <sup>1</sup>	31,190	31,492	32,705	33,263	32,587	32,489
Truck tractors	70	67	71	75	80	79
Truck cranes	74	77	79	76	76	85
Motorcycles, motorscooters <sup>2</sup>	3,803	4,365	5,007	5,264	4,832	4,235
Trailers and semi-trailers	4,945	4,384	4,740	4,355	4,052	3,903

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

2. Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, MOTOR VEHICLE SAFETY OFFICE, AND SAFE COMMUNITIES PROGRAM.

## 6.2.6

### HIGHWAY BRIDGES BY ISLAND, DECEMBER 31, 2015

Island	Number of Bridges	Longest Bridge		Highest Bridge	
		Location	Length (feet)	Location	Height (feet)
State	752	Airport Viaduct	14,890	Nanue	208
Hawai'i	135	Hakalau	775	Nanue	208
Maui	98	Honokahua	600	Uaoa	79
Lāna'i	0	-	0	-	0
Moloka'i	19	Manawainui	360	Manawainui	50
O'ahu	445	Airport Viaduct	14,890	Kipapa	156
Kaua'i	55	Hanamaulu	1,150	Wahiawa, Koloa	90

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

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION.

## 6.2.7

### LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED BY ISLAND, DECEMBER 31, 2015

Island	Total Mileage	Paved		Unpaved
		Freeways	Other	
<b>State Total</b>	<b>4,455.08</b>	<b>88.49</b>	<b>4,194.18</b>	<b>172.41</b>
Hawai'i	1,505.33	-	1,446.03	59.30
Maui	646.40	-	589.70	56.70
Lāna'i	48.00	-	34.00	14.00
Moloka'i	136.32	-	124.32	12.00
O'ahu	1,678.07	88.49	1,581.65	7.92
Kaua'i	440.97	-	418.48	22.49

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION.

## 6.2.8

## MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES

Year	Highway Fuel Consumption <sup>1</sup>		Annual Vehicle Miles of Travel	
	Total (1,000 gallons)	Gallons per Vehicle <sup>2</sup>	Total (millions)	Per Vehicle <sup>2</sup>
<b>Maui County</b>				
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
2004	68,646	452	1,357.7	8,941
2005	69,270	531	1,426.0	10,932
2006	72,311	537	1,439.5	10,694
2007	75,216	470	1,444.6	9,024
2008	67,902	430	1,411.9	8,913
2009	67,412	441	1,369.2	8,921
2010	61,707	400	1,375.0	8,913
2011	69,460	420	1,471.3	8,895
2012	66,553	369	1,610.0	8,921
2013	67,451	348	1,716.2	8,864
2014	68,767	379	1,476.6	8,130
2015	71,127	404	1,563.3	8,881
<b>State</b>				
2001	445,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
2003	483,232	469	9,325.0	9,046
2004	498,816	463	9,734.6	9,042
2005	505,418	459	10,129.1	9,045
2006	531,505	471	10,196.3	9,044
2007	541,956	478	10,259.9	9,043
2008	540,910	480	10,189.1	9,036
2009	545,413	488	10,095.2	9,031
2010	500,987	447	10,111.0	9,027
2011	546,247	462	10,653.9	9,020
2012	520,544	407	11,517.7	9,011
2013	523,856	391	12,078.2	9,006
2014	524,642	416	10,173.5	8,409
2015	540,559	480	11,129.7	9,465

1. Includes gasoline, diesel oil, and butane gas.

2. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, PLANNING BRANCH.

6.2.9

**VEHICLE REGISTRATION BY TAXATION STATUS  
BY COUNTY, 2015**

<b>Taxation Status</b>	<b>State Total</b>	<b>Maui</b>	<b>Hawai'i</b>	<b>Honolulu</b>	<b>Kaua'i</b>
<b>Taxable Vehicles</b>	<b>1,098,324</b>	<b>169,410</b>	<b>187,141</b>	<b>662,678</b>	<b>79,095</b>
<b>Exempt Vehicles</b>	<b>102,368</b>	<b>2,389</b>	<b>2,479</b>	<b>96,361</b>	<b>1,139</b>
Federal government	432	2	7	423	0
State government	6,651	1	5	6,645	0
County government	8,039	1,227	1,058	5,125	629
Fire department	341	72	149	59	61
Police department	1,917	131	421	1,336	29
Consulates	56	0	2	54	-
Disabled veterans	322	1	272	45	4
Military non-resident	74,563	74	69	74,238	182
Farm	120	26	56	37	1
Horseless carriage	61	0	1	48	12
Electric vehicles	4,079	664	183	3,096	136
National Guard	5,787	191	256	5,255	85
<b>Total Registered</b>	<b>1,200,692</b>	<b>171,799</b>	<b>189,620</b>	<b>759,039</b>	<b>80,234</b>

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, SAFE COMMUNITIES PROGRAM.

6.2.10

**DRIVERS INVOLVED IN FATAL CRASHES AND BLOOD  
ALCOHOL CONCENTRATION (BAC) OF THE DRIVER, 2014**

<b>County</b>	<b>All Drivers</b>	<b>No Alcohol BAC = 0.00</b>		<b>Any Alcohol BAC = 0.01 +</b>		<b>BAC = 0.01 - 0.07</b>		<b>BAC = 0.08 +</b>	
		<b>Number</b>	<b>%</b>	<b>Number</b>	<b>%</b>	<b>Number</b>	<b>%</b>	<b>Number</b>	<b>%</b>
Hawai'i	13	9	69	4	31	0	0	4	31
Honolulu	53	33	62	20	38	2	4	18	34
Kaua'i	8	6	75	2	25	0	0	2	25
Maui	21	12	57	9	43	1	5	8	38
<b>State</b>	<b>95</b>	<b>60</b>	<b>63</b>	<b>35</b>	<b>37</b>	<b>3</b>	<b>3</b>	<b>32</b>	<b>34</b>

SOURCE: U.S. DEPARTMENT OF TRANSPORTATION, NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA), NATIONAL CENTER FOR STATISTICS & ANALYSIS, FATALITY ANALYSIS REPORTING SYSTEM.

## 6.2.11

### TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, BY COUNTY

	2010	2011	2012	2013 <sup>3</sup>	2014 <sup>3</sup>
<b>Major Traffic Accidents<sup>1</sup></b>					
Honolulu	5,239	3,948	466	1,650	28
Hawai'i	1,401	256	825	357	13
Kaua'i	440	409	240	249	4
Maui	849	180	24	17	17
<b>Fatal Accidents<sup>2</sup></b>					
Honolulu	59	49	49	50	53
Hawai'i	27	23	36	21	13
Kaua'i	9	6	6	7	8
Maui	12	19	23	16	21
<b>Persons Injured</b>					
Honolulu	4,300	3,361	401	1,457	10
Hawai'i	825	241	813	377	12
Kaua'i	395	371	201	223	9
Maui	914	204	28	7	6
<b>Persons Killed<sup>2</sup></b>					
Honolulu	60	51	56	53	53
Hawai'i	29	23	38	26	13
Kaua'i	10	6	8	7	8
Maui	12	20	23	16	21

NA: Not available

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

2. Effective 2005, based on Fatality Analysis Reporting System (FARS) data published by the National Highway Traffic Safety Admin.

3. Preliminary.

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, TRAFFIC BRANCH.

## 6.2.12

### AIRCRAFT OPERATIONS BY TYPE OF AIRCRAFT MAJOR STATE-OWNED AIRPORTS, 2015

Airport	Total Operations	Air Carrier	Air Taxi	General Aviation	Military
Honolulu International	312,655	154,429	88,620	50,813	18,793
Kahului	134,674	51,988	65,356	14,878	2,452
Kona International	135,064	24,809	22,350	71,545	16,360
Līhu'e	132,398	23,598	77,497	24,659	6,644
Hilo International	81,269	15,650	47,663	8,376	9,580
Moloka'i	37,328	0	31,728	4,180	1,420
Kalaeloa	128,558	9	2,075	101,424	25,050

Definitions: Aircraft Operations: Total aircraft movements, takeoffs and landings, combined.

Air Carrier: Large commercial aircraft having more than 60 seats.

Air Taxi: Small commercial aircraft with 60 seats or less.

General Aviation: All types of civil aviation, including private jets, corporate jets, and helicopters.

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, AIRPORTS DIVISION.

## 6.2.13

### AIRCRAFT OPERATIONS BY TYPE OF AIRCRAFT KAHULUI AND MOLOKA'I AIRPORTS

	2008	2009	2010	2011	2012	2013	2014	2015
<b>Kahului Airport</b>								
All movements	128,022	118,800	118,896	121,962	130,010	128,303	128,612	134,674
Air carrier	39,240	40,802	39,400	38,078	43,374	45,018	49,994	51,988
Air taxi	68,981	58,664	59,387	62,151	65,872	61,623	60,132	65,356
General aviation	17,005	15,306	17,287	18,646	18,418	18,998	15,995	14,878
Military	2,796	4,028	2,822	3,087	2,346	2,664	2,491	2,452
<b>Moloka'i Airport</b>								
All movements	31,200	24,295	26,491	30,056	34,672	34,518	34,363	37,328
Air carrier	0	0	0	0	0	1,358	329	0
Air taxi	23,405	17,966	19,679	21,038	26,475	24,005	27,020	31,728
General aviation	6,601	5,629	6,065	6,539	6,352	6,041	5,168	4,180
Military	1,194	700	747	2,479	1,845	3,114	1,846	1,420

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, AIRPORTS DIVISION.

6.2.14

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

Airport	2013		2014		2015	
	Outgoing	Incoming	Outgoing	Incoming	Outgoing	Incoming
<b>Passengers<sup>1</sup></b>						
Kahului						
Interisland	1,412,147	1,421,932	1,413,773	1,418,034	1,436,763	1,445,357
Overseas	1,632,197	1,634,611	1,703,015	1,711,253	1,900,226	1,896,426
Moloka'i	84,196	86,400	95,159	98,091	119,981	122,176
Lāna'i	49,536	49,743	52,271	51,362	40,123	38,515
Kapalua	28,033	24,780	23,461	23,173	31,186	31,042
Hāna	7,070	7,025	1,703	1,700	1,968	1,858
Kalaupapa	1,678	1,611	5,146	4,471	6,408	5,889
<b>Cargo (U.S. tons)</b>						
Kahului						
Interisland	5,096	13,103	5,097	14,307	6,080	14,432
Overseas	1,213	7,654	1,363	8,529	1,229	9,477
Moloka'i	211	680	249	762	230	825
Lāna'i	76	752	50	816	48	837
Kapalua	186	884	202	1,011	191	1,102
Hāna	1	1	0	0	0	0
Kalaupapa	23	119	24	101	18	92
<b>Mail (U.S. tons)</b>						
Kahului						
Interisland	1,637	4,444	1,820	4,813	1,818	5,545
Overseas	637	3,485	677	3,254	690	3,476
Moloka'i	0	0	0	12	0	0
Lāna'i	0	0	0	0	0	0
Kapalua	0	0	0	0	0	0
Hāna	0	0	0	0	0	0
Kalaupapa	0	0	0	0	0	0

1. Revenue and non-revenue passengers, excluding passengers in transit and Military Airlift Command (MAC).

Note: Overseas includes both U.S. mainland and international flights.

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, AIRPORTS DIVISION.



## 6.2.15

### VESSEL ARRIVALS FOR KAHULUI HARBOR

*Excludes domestic fishing craft*

	2011	2012	2013	2014	2015
<b>Total Inbound Vessels</b>	<b>1,650</b>	<b>903</b>	<b>688</b>	<b>1,033</b>	<b>1,364</b>
<b>By Type of Vessel</b>					
Self propelled vessels					
Passenger and dry cargo	61	76	60	66	79
Tanker	7	7	12	11	3
Towboat or tugboat	424	547	307	494	559
Non-self propelled vessels					
Dry cargo	1,047	184	238	357	623
Tanker	111	89	71	105	100
<b>By Draft</b>					
Less than 18 feet	829	702	562	851	NA
18 feet and more	821	201	126	182	NA

SOURCE: U.S. DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS, WATERBORNE COMMERCE OF THE UNITED STATES, PART 4, PACIFIC COAST, ALASKA, AND HAWAII', CALENDAR YEARS.

## 6.2.16

### FREIGHT TRAFFIC KAHULUI HARBOR

*In thousands short tons*

	Total	Inbound	Outbound
2006	4,794	2,934	1,859
2007	5,630	3,341	2,289
2008	3,958	2,409	1,549
2009	2,139	1,358	781
2010	2,114	1,338	776
2011	3,504	2,233	1,272
2012	4,711	2,762	1,949
2013	3,669	2,302	1,367
2014	3,739	2,421	1,317
2015	3,720	2,361	1,358

Note: Totals may not add due to rounding.

SOURCE: U.S. DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS, WATERBORNE COMMERCE OF THE UNITED STATES, PART 4, PACIFIC COAST, ALASKA, AND HAWAII', CALENDAR YEARS.

## 6.2.17

## FREIGHT TRAFFIC BY COMMODITY KAHULUI HARBOR

*In thousand short tons*

2015	Total	Domestic Inbound	Domestic Outbound	Foreign Inbound
<b>All Commodities</b>	<b>3,720</b>	<b>2,356</b>	<b>1,358</b>	<b>5</b>
<b>Total Petroleum and Petroleum Products</b>	<b>391</b>	<b>385</b>	<b>1</b>	<b>5</b>
2211 Gasoline	153	153	0	0
2330 Distillate fuel oil	170	170	0	0
2340 Residual fuel oil	46	46	0	0
2640 Hydrocarbon & petrol gases	21	15	1	5
<b>Total Chemicals and Related Products</b>	<b>17</b>	<b>16</b>	<b>1</b>	<b>0</b>
3190 Fertilizers & mixes NEC	7	7	0	0
3220 Alcohols	9	8	1	0
3299 Chemical products NEC	1	1	0	0
<b>Total Crude Materials, Inedible (Except Fuels)</b>	<b>37</b>	<b>22</b>	<b>15</b>	<b>0</b>
4189 Lumber	21	20	1	0
4190 Forest products NEC	1	1	0	0
4225 Pulp & waste paper	8	0	8	0
4420 Iron & steel scrap	7	1	6	0
<b>Total Primary Manufactured Goods</b>	<b>64</b>	<b>59</b>	<b>6</b>	<b>0</b>
5190 Paper products NEC	4	4	0	0
5220 Cement & concrete	38	38	0	0
5290 Misc. mineral products	3	3	0	0
5360 Iron & steel bars & shapes	1	1	0	0
5480 Fabricated metal products	16	12	5	0
5540 Primary wood products	1	1	0	0

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## 6.2.17

## CONTINUED

	Total	Domestic Inbound	Domestic Outbound	Foreign Inbound
<b>Total Food and Farm Products</b>	<b>211</b>	<b>101</b>	<b>110</b>	<b>0</b>
6442 Rice	2	2	0	0
6654 Vegetables & products	11	11	1	0
6781 Hay & fodder	1	1	0	0
6782 Animal feed, prepared	4	4	0	0
6811 Meat, fresh, frozen	1	1	0	0
6839 Animals & products NEC	2	1	1	0
6861 Sugar	86	0	86	0
6865 Molasses	9	0	9	0
6885 Alcoholic beverages	23	21	1	0
6887 Groceries	12	8	4	0
6889 Food products NEC	58	50	8	0
6899 Farm products NEC	3	3	0	0
<b>Total All Manufactured Equipment, Machinery</b>	<b>2,999</b>	<b>1,775</b>	<b>1,225</b>	<b>0</b>
7110 Machinery (not electric)	2	1	0	0
7120 Electrical machinery	3	1	2	0
7210 Vehicles & parts	178	107	71	0
7230 Ships & boats	1	1	0	0
7400 Manufactured wood products	42	32	10	0
7600 Rubber & plastic products	1	0	0	0
7900 Manufactured products NEC	2,774	1,633	1,141	0

NEC: Not elsewhere classified

Note: Totals may not add due to rounding.

SOURCE: U.S. DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS, WATERBORNE COMMERCE OF THE UNITED STATES,  
PART 4, PACIFIC COAST, ALASKA, AND HAWAII, CALENDAR YEARS.

## 6.2.18

## FREIGHT TRAFFIC BY COMMODITY HISTORICAL, KAHULUI HARBOR

*In short tons*

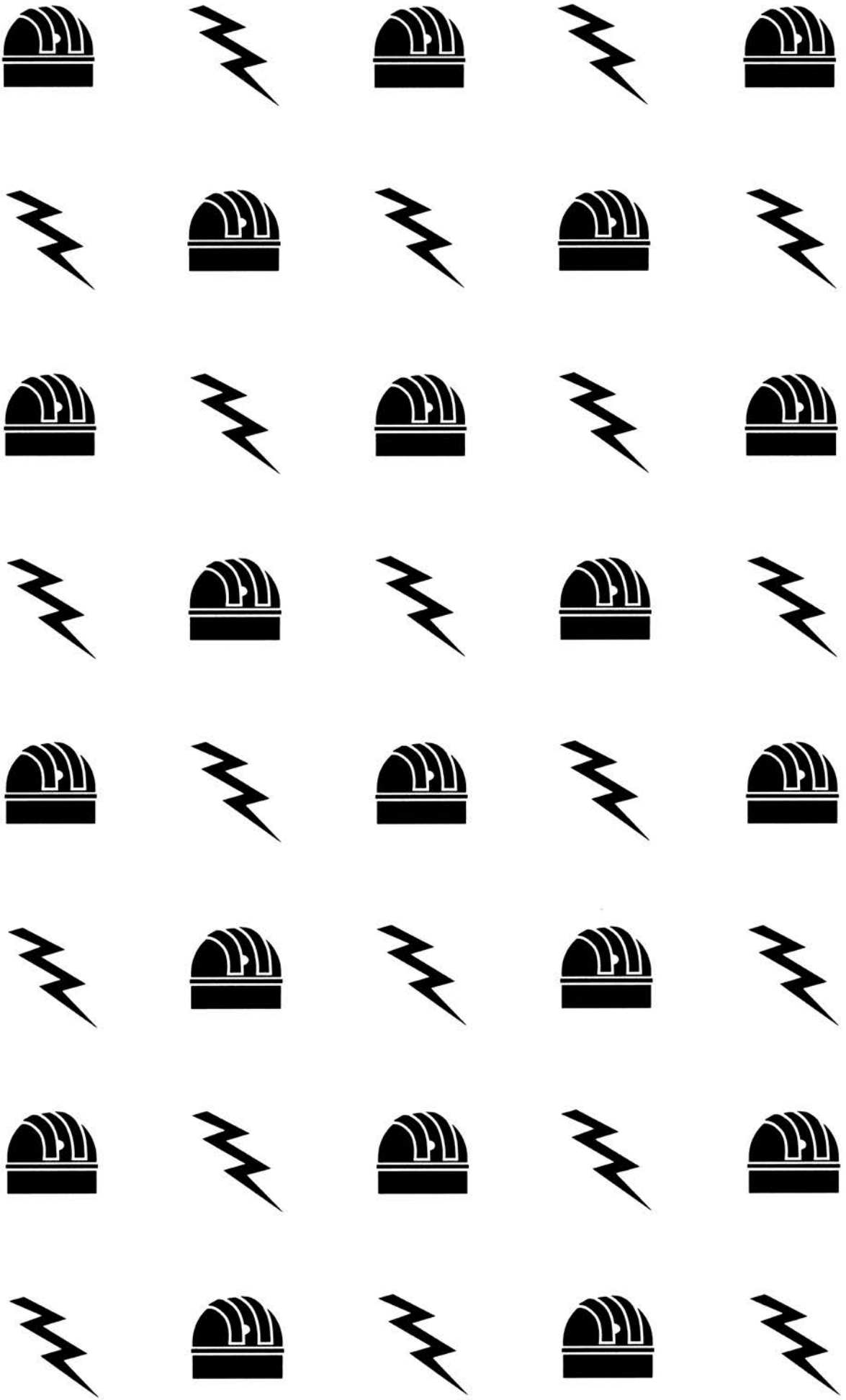
	2011	2012	2013	2014
<b>All Commodities</b>	<b>3,504,332</b>	<b>4,710,764</b>	<b>3,668,583</b>	<b>3,738,648</b>
Receipts	2,232,800	2,761,835	2,301,849	2,421,915
Shipments	1,271,532	1,948,929	1,366,734	1,316,733
<b>Total Coal</b>	<b>63,080</b>	<b>59,500</b>	<b>33,000</b>	<b>0</b>
Receipts	0	0	0	0
Shipments	63,080	59,500	33,000	0
<b>Total Petroleum and Petroleum Products</b>	<b>510,114</b>	<b>480,680</b>	<b>417,242</b>	<b>468,138</b>
Receipts	508,154	478,708	416,709	465,298
Shipments	1,960	1,972	533	2,840
<b>Total Chemicals and Related Products</b>	<b>19,400</b>	<b>11,054</b>	<b>18,579</b>	<b>22,945</b>
Receipts	18,929	10,692	18,208	22,705
Shipments	471	362	371	240
<b>Total Crude Materials, Inedible (Except Fuels)</b>	<b>15,628</b>	<b>9,409</b>	<b>27,387</b>	<b>35,499</b>
Receipts	13,444	3,494	14,162	21,666
Shipments	2,184	5,915	13,225	13,833
<b>Total Primary Manufactured Goods</b>	<b>37,590</b>	<b>56,652</b>	<b>59,551</b>	<b>60,159</b>
Receipts	31,602	51,694	54,456	54,986
Shipments	5,988	4,958	5,095	5,173
<b>Total Food and Farm Products</b>	<b>278,401</b>	<b>229,698</b>	<b>287,061</b>	<b>200,535</b>
Receipts	100,114	52,684	105,666	105,102
Shipments	178,287	177,014	181,395	95,433
<b>Total All Manufactured Equipment, Machinery</b>	<b>2,571,528</b>	<b>3,862,509</b>	<b>2,825,193</b>	<b>2,951,353</b>
Receipts	1,560,490	2,164,563	1,692,644	1,752,158
Shipments	1,011,038	1,697,946	1,132,549	1,199,195
<b>Total Waste and Scrap, NEC</b>	<b>8,524</b>	<b>1,262</b>	<b>566</b>	<b>19</b>
Receipts	0	0	0	0
Shipments	8,524	1,262	566	19
<b>Total Unknown or Not Elsewhere Classified</b>	<b>67</b>	<b>0</b>	<b>4</b>	<b>0</b>
Receipts	67	0	4	0
Shipments	0	0	0	0

NEC: Not elsewhere classified

Note: Totals may not add due to rounding.

SOURCE: U.S. DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS, WATERBORNE COMMERCE OF THE UNITED STATES,  
PART 4, PACIFIC COAST, ALASKA, AND HAWAI'I, CALENDAR YEARS.

# Energy & Science



## Section 7

# ENERGY & SCIENCE

The growth in Maui County's population is reflected in the utilities. Consumption and use of electricity, gas, utilities, and water have all increased dramatically over the last decade. This section details those statistics on electricity, gas, water production and consumption.

Ongoing scientific endeavors include observation of astronomical and man-made space objects from the summit of Mt. Haleakalā.

## 7.1.1

## TELESCOPES AT THE SUMMITS OF MAUNA KEA AND HALEAKALĀ

Facility (mirror diameter in meters)	Capital Cost (\$ mil) <sup>1</sup>	Annual Operating Cost (\$ mil)	County Based Staff	Operational
<b>Mauna Kea Observatories:</b>				
UH 2.2-m (Optical/Infrared)	5	1.0	6	1970
Canada-France-Hawai'i 3.6-m (Optical/Infrared)	30	7.4	45	1979
NASA IRTF 3.0-m (Infrared)	10	5.1	19	1979
United Kingdom 3.8-m (Infrared)	5	2.2	6	1979
James Clerk Maxwell 15-m Submillimeter	32	4.7	35	1986
VLBA Antenna 25-m (Radio)	7	0.4	2	1992
W.M. Keck Observatory (Keck I & II)				
10-m x 2 (Optical/Infrared)	170	13.5	120	1992/1996
Subaru (Japan National Large Telescope)				
8-m (Optical/Infrared)	170	17.0	101	1999
Fredrick C. Gillett Gemini 8m (Optical/Infrared)	92	13.7	83	1999
Submillimeter Array 8x6-m	80	5.5	23	2003
Mauna Kea Observatories Support Services	X	5.4 <sup>2</sup>	44	1980
<b>Total</b>	<b>601</b>	<b>72.4</b>	<b>484</b>	
<b>Haleakalā Observatories:</b>				
Mees Solar Observatory	1	0.2	1	1963
Haleakalā Observatories Projects	NA	0.2	2	NA
Maui Space Surveillance Site (MSSS)	250	26.3	117	1965
Ground-Based Electro-Optical Deep Space				
Surveillance (GEODSS)	25	6.1	16	1983
Faulkes 2-m Telescope	10	0.6	2	2003
Transportable Laser Ranging System (TLRS4)	1	0.5	5	2005
Panoramic Survey Telescope And Rapid				
Response System (Pan-STARRS)	110	5.6	11	2009
Haleakalā Support Facilities	9	1.2	13	1962/2008
Daniel K. Inouye Solar Telescope (DKIST) <sup>3</sup>	344	18.0 <sup>4</sup>	35	
<b>Total</b>	<b>750</b>	<b>40.7</b>	<b>202</b>	

NA Not available. X Not applicable. Note: Data as of March 2016 for Mauna Kea and 2015 for Haleakala.

1. Historical cost, not adjusted for inflation, and not including subsequent capital improvements for Mauna Kea Observation.

2. Only \$1.9 million of this included in total as the other \$3.5 million are part of facility operating costs.

3. Daniel K. Inouye Solar Telescope scheduled to be operational by 2019.

4. Operational cost of \$18 million not included in the total.

SOURCE: UNIVERSITY OF HAWAII AT MANOA, INSTITUTE FOR ASTRONOMY.

7.1.2  
**ELECTRIC UTILITIES  
 MAUI COUNTY**

	2011	2012	2013	2014	2015
<b>Customers, Dec 31</b>					
<b>Total</b>					
Maui Island	63,433	64,047	64,657	65,124	65,603
Moloka'i	3,164	3,198	3,211	3,186	3,212
Lāna'i	1,633	1,677	1,709	1,732	1,718
<b>Maui County</b>	<b>68,230</b>	<b>68,922</b>	<b>69,577</b>	<b>70,042</b>	<b>70,533</b>
<b>Residential</b>					
Maui Island	54,305	54,785	55,301	55,670	56,085
Moloka'i	2,611	2,643	2,649	2,648	2,672
Lāna'i	1,410	1,451	1,469	1,484	1,474
<b>Maui County</b>	<b>58,326</b>	<b>58,879</b>	<b>59,419</b>	<b>59,802</b>	<b>60,231</b>
<b>Other</b>					
Maui Island	9,128	9,262	9,356	9,454	9,518
Moloka'i	553	555	562	538	540
Lāna'i	223	226	240	248	244
<b>Maui County</b>	<b>9,904</b>	<b>10,043</b>	<b>10,158</b>	<b>10,240</b>	<b>10,302</b>
<b>Peak Demand (mW)<sup>1</sup></b>					
Maui Island	194.1	194.8	194.8	190.3	194.7
Moloka'i	5.8	5.5	5.5	5.4	5.3
Lāna'i	4.7	4.6	4.6	5.0	4.8
<b>Power Sold (1,000 kWh)</b>					
<b>Total</b>					
Maui Island	1,125,556	1,090,179	1,079,935	1,076,321	1,083,129
Moloka'i	30,685	29,942	29,380	29,207	28,685
Lāna'i	24,785	24,712	25,558	26,529	25,817
<b>Maui County</b>	<b>1,181,026</b>	<b>1,144,833</b>	<b>1,134,873</b>	<b>1,132,056</b>	<b>1,137,630</b>
<b>Residential</b>					
Maui Island	398,869	377,209	369,877	364,174	363,863
Moloka'i	11,700	10,951	10,459	9,915	9,811
Lāna'i	7,358	7,186	7,572	7,890	7,492
<b>Maui County</b>	<b>417,927</b>	<b>395,346</b>	<b>387,908</b>	<b>381,979</b>	<b>381,167</b>
<b>Other</b>					
Maui Island	726,687	712,970	710,058	712,146	719,265
Moloka'i	18,985	18,991	18,921	19,292	18,873
Lāna'i	17,427	17,526	17,985	18,639	18,325
<b>Maui County</b>	<b>763,099</b>	<b>749,487</b>	<b>746,964</b>	<b>750,077</b>	<b>756,464</b>



## 7.1.2

## CONTINUED

	2011	2012	2013	2014	2015
<b>Average Annual Use, Dec 31 (kWh)</b>					
<b>Residential</b>					
Maui Island	7,345	6,885	6,688	6,542	6,488
Moloka'i	4,481	4,143	3,948	3,744	3,672
Lāna'i	5,218	4,952	5,155	5,317	5,083
<b>Other</b>					
Maui Island	79,611	76,978	75,893	75,327	75,569
Moloka'i	34,332	34,217	33,667	35,858	34,951
Lāna'i	78,149	77,549	74,938	75,156	75,103
<b>Average Rate (dollars per kWh)</b>					
<b>Residential</b>					
Maui Island	0.35774	0.38709	0.37824	0.37827	0.31048
Moloka'i	0.43025	0.46129	0.46435	0.47062	0.37597
Lāna'i	0.44049	0.46612	0.46344	0.45848	0.37630
<b>Other</b>					
Maui Island	0.34497	0.37238	0.36193	0.36142	0.29260
Moloka'i	0.43526	0.45633	0.45530	0.45366	0.35837
Lāna'i	0.44506	0.47129	0.46317	0.45907	0.38325
<b>Revenues (\$1,000)</b>					
<b>Total</b>					
Maui Island	393,156	411,509	396,894	395,142	323,427
Moloka'i	13,298	13,718	13,471	13,418	10,452
Lāna'i	10,997	11,609	11,840	12,174	9,842
<b>Maui County</b>	<b>417,451</b>	<b>436,836</b>	<b>422,205</b>	<b>420,734</b>	<b>343,722</b>
<b>Residential</b>					
Maui Island	142,692	146,013	139,902	137,757	112,973
Moloka'i	5,034	5,052	4,856	4,666	3,689
Lāna'i	3,241	3,349	3,509	3,617	2,819
<b>Maui County</b>	<b>150,967</b>	<b>154,414</b>	<b>148,267</b>	<b>146,040</b>	<b>119,481</b>
<b>Other</b>					
Maui Island	250,464	265,496	256,991	257,385	210,455
Moloka'i	8,264	8,666	8,615	8,752	6,764
Lāna'i	7,756	8,260	8,330	8,557	7,023
<b>Maui County</b>	<b>266,484</b>	<b>282,422</b>	<b>273,936</b>	<b>274,694</b>	<b>224,241</b>

mW: Megawatts

kWh: Kilowatt hours

1. 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.

SOURCE: MONTHLY FINANCIAL REPORTS ISSUED BY MAUI ELECTRIC COMPANY, CALCULATIONS BY HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.

## 7.1.3

## GAS UTILITIES MAUI COUNTY

*Excludes bottled gas*

	2011	2012	2013	2014	2015
<b>Island of Maui</b>					
<b>Customers, Dec. 31</b>					
Residential	431	428	420	423	423
Other	86	88	90	88	89
<b>Total</b>	<b>517</b>	<b>516</b>	<b>510</b>	<b>511</b>	<b>512</b>
<b>Gas Sold (1,000 therms)</b>					
Residential	109	111	107	104	100
Other	749	777	770	798	740
<b>Total</b>	<b>858</b>	<b>888</b>	<b>876</b>	<b>902</b>	<b>840</b>
<b>Average Annual Use (therms)</b>					
Residential	252	259	254	246	237
Other	8,711	8,825	8,551	9,065	8,314
<b>Average Rate (dollar per therm)</b>					
Residential	4.30770	4.12958	3.90245	4.26276	3.88384
Other	2.91648	2.78814	2.54380	2.86278	2.43153
<b>Revenues (\$1,000)</b>					
Residential	468	458	417	443	390
Other	2,185	2,165	1,958	2,284	1,799
<b>Total</b>	<b>2,653</b>	<b>2,624</b>	<b>2,374</b>	<b>2,727</b>	<b>2,189</b>
<b>Islands of Moloka'i and Lāna'i<sup>1</sup></b>					
<b>Customers, Dec. 31</b>					
Moloka'i	83	85	91	84	82
Lāna'i	22	20	21	22	22
<b>Gas Sold (1,000 therms)</b>					
Moloka'i	12	16	15	15	14
Lāna'i	1	2	3	3	3
<b>Average Annual Use (therms)</b>					
Moloka'i	145	184	165	181	175
Lāna'i	65	115	136	129	136
<b>Average Rate (dollar per therm)</b>					
Moloka'i	4.94771	4.74503	4.52344	4.85508	4.37824
Lāna'i	6.70154	5.66075	5.17527	5.54700	5.07402
<b>Revenues (\$1,000)</b>					
Moloka'i	60	74	68	74	63
Lāna'i	10	13	15	16	15

1. All Moloka'i and Lāna'i customers are residential.

SOURCE: HAWAII GAS THE CLEAN ENERGY COMPANY, HAWAII GAS UTILITY MONTHLY FINANCIAL REPORTS,  
CALCULATIONS BY HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.

## 7.1.4

## ENERGY CONSUMPTION ESTIMATES BY SOURCE HAWAI'I STATE ENERGY REPORT

*In trillion BTU*

	2011	2012	2013	2014	2015
<b>Coal</b>	<b>16.1</b>	<b>16.6</b>	<b>15.3</b>	<b>17.2</b>	<b>15.6</b>
<b>Natural Gas</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Petroleum</b>					
Distillate fuel oil	36.5	35.2	33.0	25.2	27.3
Jet fuel	62.1	64.1	64.2	73.3	76.1
Liquefied petroleum gas	3.4	3.4	3.2	3.2	2.7
Motor gasoline	53.3	50.7	51.0	51.5	51.5
Residual fuel oil	73.6	67.4	65.2	62.1	61.3
Other	16.7	17.0	16.3	0.0	0.0
<b>Total Petroleum</b>	<b>245.5</b>	<b>237.9</b>	<b>233.0</b>	<b>234.2</b>	<b>218.9</b>
<b>Renewable Energy</b>					
Hydroelectric	0.9	1.1	0.7	0.9	1.1
Biomass	10.6	9.6	11.2	11.4	11.5
Wood and waste	7.3	6.7	8.2	7.5	7.5
Ethanol fuel	3.2	2.9	3.0	3.9	3.9
Geothermal	2.2	2.5	2.6	2.2	2.2
Solar / Photovoltaic	4.6	6.7	9.3	8.4	8.4
Wind	3.3	3.6	4.8	5.7	5.7
<b>Total Renewable Energy</b>	<b>21.6</b>	<b>23.5</b>	<b>28.6</b>	<b>28.6</b>	<b>28.8</b>
<b>Total Energy Consumption</b>	<b>283.4</b>	<b>278.2</b>	<b>277.1</b>	<b>280.2</b>	<b>263.5</b>

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

SOURCE: U.S. DEPARTMENT OF ENERGY, ENERGY INFORMATION ADMINISTRATION, STATE ENERGY DATA SYSTEM.

## 7.1.5

## WATER SERVICES AND CONSUMPTION MAUI COUNTY

*Years ending June 30*

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	<b>Number of Services</b>									
Maui County	34,682	35,444	35,540	35,611	35,698	35,753	35,866	36,040	36,104	36,211
Maui	33,032	33,789	33,876	33,947	34,038	34,090	34,200	34,373	34,439	34,552
Moloka'i	1,650	1,655	1,664	1,664	1,660	1,663	1,666	1,667	1,665	1,659
	<b>Consumption (million gallons)</b>									
Maui County	13,258	12,797	12,074	12,214	12,371	12,675	13,253	11,851	11,684	11,785
Maui	12,961	12,510	11,794	11,916	12,089	12,410	12,958	11,592	11,427	11,523
Moloka'i	297	287	280	298	282	265	295	259	257	262

SOURCE: HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, DATA COMPILED FROM COUNTY OF MAUI DEPARTMENT OF WATER SUPPLY.

7.1.6

**DAILY AVERAGES FOR WATER PRODUCTION  
BY AREA, MAUI COUNTY, 2016**

*In thousands of gallons*

Area	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Previous 12 Months
<b>Central Maui</b>													
Groundwater-Īao	15,306	15,721	15,126	15,146	13,118	14,388	15,465	15,521	14,256	16,937	16,537	12,798	15,275
Īao Tunnel	1,489	1,574	1,571	1,585	1,586	1,581	1,606	1,603	684	0	0	0	865
Groundwater-Waihe'e	3,129	3,076	3,191	3,540	5,522	5,760	4,855	5,368	5,342	5,505	5,312	4,835	4,470
Kepaniwai	720	720	718	720	718	720	719	717	705	720	718	720	719
Maui Lani	1,100	1,091	1,062	1,097	1,101	1,100	1,075	1,096	1,137	1,097	1,108	1,102	1,099
Surface water	1,568	1,118	853	448	794	368	111	499	298	0	37	243	538
<b>Upcountry Maui</b>													
Surface water	5,994	6,335	5,884	5,515	5,429	6,010	5,779	5,978	5,301	6,480	7,089	4,643	5,963
Groundwater	822	1,276	800	824	779	808	970	753	713	720	703	721	712
<b>West Maui</b>													
Surface water	3,699	3,885	3,838	3,625	3,697	3,842	3,716	4,026	3,537	3,894	3,891	3,318	3,761
Groundwater	1,730	1,774	1,912	1,911	1,853	2,045	2,301	2,071	2,053	1,902	1,742	1,485	1,834
<b>East Maui</b>													
Groundwater	544	549	501	496	531	540	560	551	525	532	516	252	437
<b>Moloka'i</b>													
Groundwater	832	950	915	944	986	1,023	911	932	846	875	894	700	809
<b>Total Water Production</b>	<b>36,933</b>	<b>38,069</b>	<b>36,370</b>	<b>36,161</b>	<b>36,114</b>	<b>38,185</b>	<b>38,067</b>	<b>39,116</b>	<b>35,397</b>	<b>38,662</b>	<b>38,547</b>	<b>30,817</b>	<b>36,739</b>

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, MONTHLY WATER PRODUCTION.

7.1.7

**WATER SYSTEM SERVICE CHARGES AND DEVELOPMENT FEE SCHEDULES**

*In \$ per 1,000 gallons*

**Water Service Charges (Fiscal Year 2016)**

<b>Schedule A</b>		<b>Schedule B (Meter Size)</b>	<b>Per meter/ per month</b>
<b>Family Dwellings, 5/8" meters</b>			
0 - 5,000 gal	\$1.90	5/8 inch	\$19.50
5,001 - 15,000	\$3.65	3/4 inch	\$30.00
15,001 - 35,000	\$5.50	1 inch	\$44.50
Over 35,000	\$6.15	1 1/2 inch	\$84.00
<b>Rates (All Others)</b>			
0 - 5,000 gal	\$1.90	2 inch	\$129.00
5,001 - 15,000	\$3.65	3 inch	\$225.00
Over 15,000	\$5.50	4 inch	\$385.00
<b>Agricultural Rates</b>			
Over 15,000	\$1.00	6 inch	\$720.00
<b>Non-Potable Agricultural Rates</b>			
All usage	\$0.75	8 inch	\$1,130.00

**Water System  
Development Fee Schedule**

<b>Meter Size</b>	<b>Fee*</b>
5/8 inch	\$6,030
3/4 inch	\$18,884
1 inch	\$33,356
1 1/2 inch	\$71,948
2 inch	\$125,012
3 inch	\$279,380
4 inch	\$496,460
6 inch	\$1,113,932
8 inch	\$1,977,428
10 inch	\$3,089,360
12 inch	\$4,447,436

\* Plus installation charges.

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY.

## 7.1.8

## WATER SERVICE BY METER SIZE MAUI COUNTY

*Fiscal year ending June 30, 2016*

District	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	Total
<b>Regular Rates</b>										
Wailuku	17,298	1,667	585	433	421	58	33	6	1	20,502
Makawao	8,882	342	186	78	35	12	2	1	0	9,538
Lahaina	2,646	273	140	128	122	25	10	2	0	3,346
Hāna	484	14	9	6	4	2	0	0	0	519
Moloka'i	1,538	44	33	15	17	2	0	1	0	1,650
Subtotal	30,848	2,340	953	660	599	99	45	10	1	35,555
<b>Agricultural Meters</b>										
Wailuku	25	13	10	3	0	2	1	0	0	54
Makawao	313	54	69	84	30	0	0	0	0	550
Lahaina	4	3	5	0	1	0	1	0	0	14
Hāna	27	0	2	0	0	0	0	0	0	29
Moloka'i	6	1	2	0	0	0	0	0	0	9
Subtotal	375	71	88	87	31	2	2	0	0	656
<b>Total</b>	<b>31,223</b>	<b>2,411</b>	<b>1,041</b>	<b>747</b>	<b>630</b>	<b>101</b>	<b>47</b>	<b>10</b>	<b>1</b>	<b>36,211</b>

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2016.

## 7.1.9

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

*Fiscal year ending June 30, 2016*

	1,000 Gallons	Amount	Cost per 1,000 Gallons
<b>Purchased from</b>			
East Maui Irrigation	2,207,460	132,677	0.060
Wailuku Water Co.	499,765	260,202	0.521
Maui Land & Pine	621,861	177,735	0.286
Hawaiian Home Lands*	9,144	56,882	6.221
<b>Total</b>	<b>3,338,230</b>	<b>627,494</b>	<b>0.188</b>
<b>District</b>			
Wailuku	499,765	260,202	0.521
Kula	204,311	12,277	0.060
Makawao	1,993,102	119,795	0.060
Lahaina	621,861	177,735	0.286
Hāna	10,048	605	0.060
Moloka'i	9,144	56,882	6.221
<b>Total</b>	<b>3,338,230</b>	<b>627,494</b>	<b>0.188</b>

\* Billed bi-monthly.

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2016.



## 7.1.10

**WATER SALES TO  
GENERAL AND AGRICULTURAL CONSUMERS  
BY DISTRICT, MAUI COUNTY**

*Fiscal year ending June 30, 2016*

District	Services	Change from FY 2015	Consumption (1,000 gal)	Change from FY 2015 (1,000 gal)
<b>Wailuku District</b>				
Wailuku	6,284	410	1,255,068	(4,861)
Waihe'e	193	0	20,827	(1,298)
Waikapū	969	54	118,628	1,693
Wailuku Heights	496	(50)	72,760	409
Kahului	5,250	496	1,452,703	(13,543)
Pu'unēnē	11	(3)	25,774	(24,980)
Kīhei	5,997	(816)	3,954,590	163,909
Mā'alaea	45	(1)	64,469	(14,666)
Mākena	202	1	256,061	17,208
Pā'ia-Kū'au	905	(1)	148,495	(5,263)
Spreckelsville	204	1	63,604	896
<b>Subtotal</b>	<b>20,556</b>	<b>91</b>	<b>7,432,979</b>	<b>119,503</b>
<b>Makawao District</b>				
Kokomo-Kaupakalua	1,143	18	149,046	(4,811)
Kuiaha	301	0	46,905	(1,674)
Ha'ikū-Pa'uwela	843	(10)	108,841	(9,267)
Makawao	1,996	5	285,340	(148)
Pukalani	2,072	5	294,414	(10,448)
Hāli'imaile	199	(1)	34,936	(3,261)
Upper Kula	2,308	7	428,790	(43,562)
Lower Kula	1,105	(2)	598,188	(26,100)
'Ulupalakua-Kanaio	82	1	48,707	(1,660)
Kula Ag. Park	39	0	144,957	11,403
<b>Subtotal</b>	<b>10,088</b>	<b>23</b>	<b>2,140,124</b>	<b>(89,528)</b>
<b>Lahaina District</b>				
Lahaina	2,099	(2)	815,259	16,702
Honokōwai	449	(1)	503,955	11,287
'Alaelo	799	4	566,289	36,404
Honokōhau	13	0	1,114	(143)
<b>Subtotal</b>	<b>3,360</b>	<b>1</b>	<b>1,886,617</b>	<b>64,250</b>
<b>Moloka'i District</b>				
Kawela-Kaunakakai	1,167	(8)	194,902	5,984
'Ualapu'e	379	378	58,036	(1,176)
Kala'e	113	(265)	8,568	103
Hālawa	0	0	0	0
<b>Subtotal</b>	<b>1,659</b>	<b>105</b>	<b>261,506</b>	<b>4,910</b>
<b>Hāna District</b>				
Hāna	402	0	49,598	(246)
Nāhiku	39	(1)	3,439	773
Ke'anae	86	(1)	9,387	2,115
Kaupō	21	0	1,844	(600)
<b>Subtotal</b>	<b>548</b>	<b>(2)</b>	<b>64,268</b>	<b>2,042</b>

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2016.

7.1.11

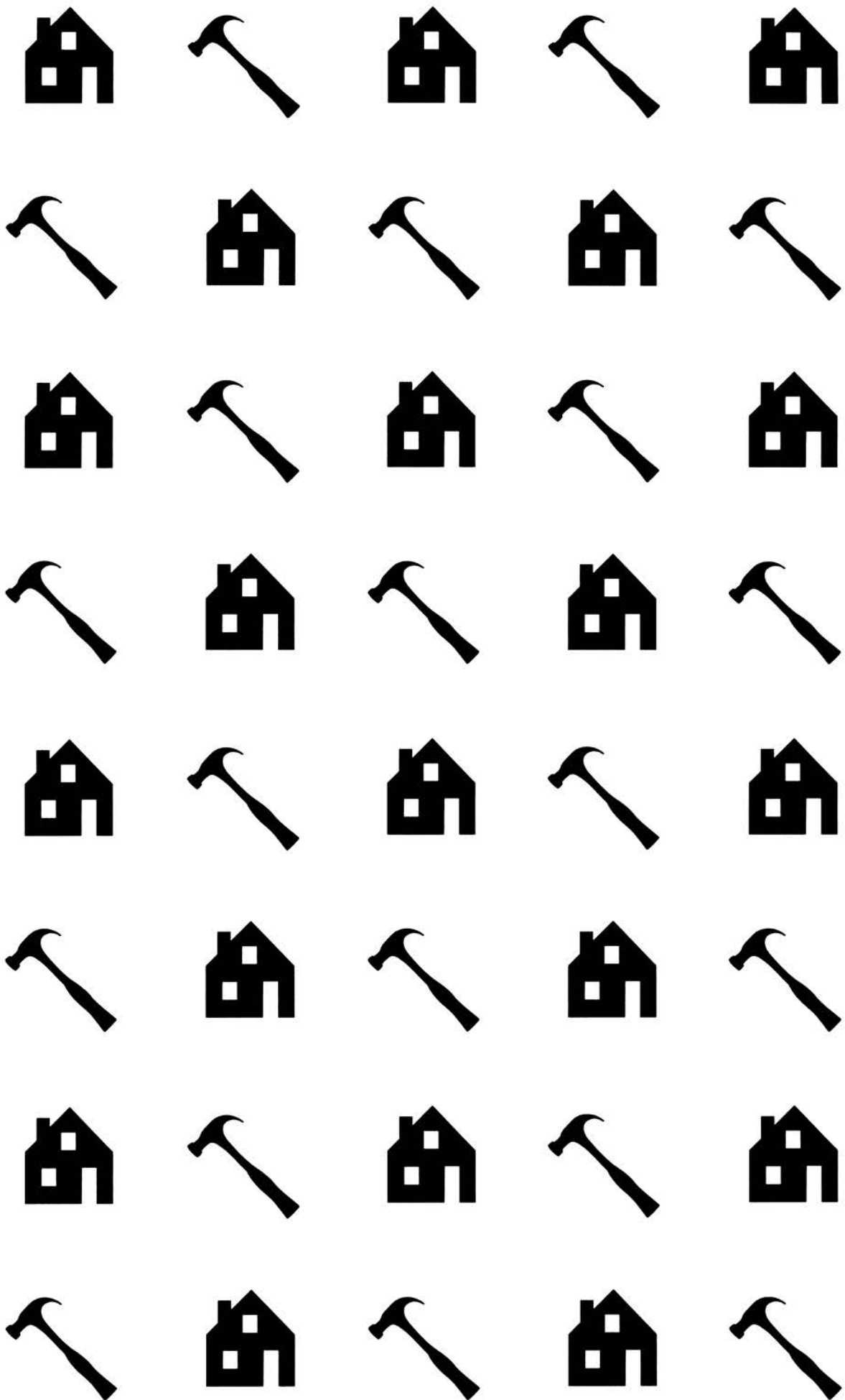
**WATER CONSUMPTION BY DISTRICT  
MAUI COUNTY**

*Fiscal year ending June 30, 2016; In 1,000 gallons*

<b>Months</b>	<b>Total</b>	<b>Wailuku</b>	<b>Makawao</b>	<b>Kula</b>	<b>Lahaina</b>	<b>Moloka‘i</b>	<b>Hāna</b>
<b>General</b>							
July	995,116	642,827	87,081	48,903	183,912	27,209	5,184
August	984,362	656,742	84,378	52,839	166,154	19,799	4,450
September	864,579	585,547	75,363	31,411	149,264	18,410	4,584
October	854,381	581,883	64,077	35,995	164,800	3,875	3,751
November	941,430	639,256	71,448	44,196	149,528	33,445	3,557
December	779,871	516,837	65,333	35,281	135,943	21,692	4,785
January	925,095	622,963	74,091	47,560	161,401	18,819	261
February	863,551	583,963	67,012	46,062	138,822	19,621	8,071
March	863,032	577,686	69,842	40,130	146,115	23,904	5,355
April	922,421	611,403	72,160	41,724	169,762	22,826	4,546
May	862,749	585,396	64,485	39,971	145,188	23,022	4,687
June	928,542	634,307	72,393	40,873	151,882	23,563	5,524
<b>Total</b>	<b>10,785,129</b>	<b>7,238,810</b>	<b>867,663</b>	<b>504,945</b>	<b>1,862,771</b>	<b>256,185</b>	<b>54,755</b>
<b>Agricultural</b>							
July	102,401	17,346	6,480	74,563	2,552	621	839
August	91,876	14,454	6,288	67,656	2,163	451	864
September	55,334	12,546	4,455	35,133	1,960	311	929
October	75,876	15,962	3,596	52,645	3,154	14	505
November	92,042	16,816	4,057	66,937	3,017	674	541
December	69,721	15,062	3,340	48,121	1,868	315	1,015
January	92,527	17,085	3,502	69,751	1,790	399	0
February	85,759	16,740	4,076	61,236	1,586	453	1,668
March	80,901	16,741	4,008	57,236	1,427	547	942
April	78,366	14,540	4,466	56,508	1,713	479	660
May	85,107	18,723	3,878	60,108	1,209	431	758
June	90,455	18,154	3,673	65,803	1,407	626	792
<b>Total</b>	<b>1,000,365</b>	<b>194,169</b>	<b>51,819</b>	<b>715,697</b>	<b>23,846</b>	<b>5,321</b>	<b>9,513</b>
<b>Grand Total</b>	<b>11,785,494</b>	<b>7,432,979</b>	<b>919,482</b>	<b>1,220,642</b>	<b>1,886,617</b>	<b>261,506</b>	<b>64,268</b>

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2016.

# 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.

In 2015, there were approximately 52,080 occupied housing units on Maui of which around 30,523 (59%) were owner-occupied.

### 8.1.1

## NUMBER AND VALUE OF BUILDING PERMITS MAUI COUNTY

Year	Number Issued	Estimated Value (\$1,000)
2001	2,012	312,737
2002	1,915	273,716
2003	2,199	469,277
2004	2,472	448,831
2005	2,348	831,416
2006	2,404	979,412
2007	2,196	727,772
2008	1,607	443,840
2009	1,130	224,437
2010	1,016	194,607
2011	1,076	243,683
2012	1,169	366,994
2013	1,200	325,014
2014	1,267	443,617
2015	1,280	731,491
2016	1,164	382,489

SOURCE: MAUI COUNTY; COMPILED BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.

### 8.1.2

## VALUE OF BUILDING PERMITS BY TYPE MAUI COUNTY

*In thousands of dollars*

Category	2011	2012	2013	2014	2015	2016
Residential	68,913	114,290	111,866	121,382	177,596	192,976
Hotel	12,000	19,883	75,070	256	307,990	0
Non-residential	108,300	74,095	62,041	131,646	122,405	97,382
Additions and alterations	54,470	158,727	76,038	190,333	123,500	92,131
<b>Total</b>	<b>243,683</b>	<b>366,994</b>	<b>325,014</b>	<b>443,617</b>	<b>731,491</b>	<b>382,489</b>

SOURCE: MAUI COUNTY; COMPILED BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.

### 8.1.3

## PRIVATE RESIDENTIAL CONSTRUCTION AUTHORIZATIONS MAUI COUNTY

	2012	2013	2014	2015	2016
<b>Authorized Housing Units (number)</b>					
New single family units	246	333	324	332	264
New multi-family units	260	20	14	170	213
<b>Total</b>	<b>506</b>	<b>353</b>	<b>338</b>	<b>502</b>	<b>477</b>
<b>Permit Value (\$)</b>					
New single family units	57,279,962	81,325,902	82,327,993	89,543,401	133,806,590
New multi-family units	43,376,775	3,423,360	2,868,380	50,121,464	59,169,200
<b>Total</b>	<b>100,656,737</b>	<b>84,749,262</b>	<b>85,196,373</b>	<b>139,664,865</b>	<b>192,975,790</b>

SOURCE: U.S. CENSUS BUREAU, ANNUAL NEW PRIVATELY-OWNED RESIDENTIAL BUILDING PERMITS.

### 8.1.4

## PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION AUTHORIZED BY PERMITS MAUI COUNTY

Year	New Single Family Units	New Duplex Units	New Apartments	Units Demolished
2001	767	28	253	43
2002	807	36	371	34
2003	889	6	206	47
2004	1,160	28	371	44
2005	971	206	388	52
2006	1,083	44	304	47
2007	1,062	34	217	48
2008	535	142	113	39
2009	280	8	107	23
2010	212	8	59	26
2011	203	2	12	23
2012	251	6	249	26
2013	329	4	16	30
2014	331	14	0	44
2015	331	20	158	29
2016	256	86	135	18

SOURCE: COMPILED FROM COUNTY BUILDING DEPARTMENTS BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM.

## 8.1.5

## LOW INCOME RENTAL HOUSING AFFORDABILITY BY COUNTY

	Maui County	Hawai'i County	Honolulu County	Kaua'i County	State
<b>Housing Wage</b>					
Hourly wage necessary to afford 2 bedroom FMR	\$24.73	\$22.96	\$38.17	\$23.81	\$34.22
<b>Housing Cost</b>					
2 bedroom FMR	\$1,286	\$1,194	\$1,985	\$1,238	\$1,780
Income needed to afford 2 bedroom FMR	\$51,440	\$47,760	\$79,400	\$49,520	\$71,184
Full-time jobs at minimum wage to afford 2 bedroom FMR	2.9	2.7	4.5	2.8	4.0
<b>Area Median Income (AMI)</b>					
Annual AMI	\$81,500	\$57,600	\$87,900	\$74,300	\$82,123
Rent affordable at AMI	\$2,037	\$1,440	\$2,197	\$1,857	\$2,053
30% of AMI	\$24,450	\$17,280	\$26,370	\$22,290	\$24,637
Rent affordable at 30% of AMI	\$611	\$432	\$659	\$557	\$616
<b>Renter Households</b>					
Number	22,691	22,101	139,799	8,349	192,984
% of total households	43%	34%	45%	37%	43%
Estimated mean renter hourly wage	\$13.41	\$10.45	\$15.39	\$13.52	\$14.53
Rent affordable at mean wage	\$697	\$543	\$800	\$703	\$755
Full time jobs at mean renter wage needed to afford 2 bedroom FMR	1.9	2.2	2.5	1.8	2.4

FMR: Fair Market Rent, calculated by the U.S. Department of Housing and Urban Development.

SOURCE: NATIONAL LOW INCOME HOUSING COALITION, OUT OF REACH 2016.

### 8.1.6

## PLANNED ADDITIONS TO AND SUBTRACTIONS FROM MAUI VISITOR INDUSTRY PLANT SUPPLY

Name of Facility	Planned Type	Planned Units	Estimated Completion
Maui Palms Expansion	Hotel	101	NA
Maui Lu Timeshare	Timeshare	388	2019
Kamaole Heights	Hotel / Condo	24	NA
Kula Lodge	Hotel	15	NA
Honua'ula a.k.a Wailea 670	Mixed Use	1,150	NA
Westin Kā'anapali Ocean Resort III	Timeshare	390	NA
Kapalua Project, District 2-Kapalua Mauka	Mixed Use	690	NA
Villas at Royal Lahaina	Condo / Hotel	126	NA
Grand Wailea Resort Expansion	Hotel	310	NA
Piilani Suites	Hotel	200	2017
Maui Research & Tech Park	Mixed Use / Hotel	150	NA
Down Town Kihei	Mixed Use / Hotel	150	2018
Nani Loa Condominium Hotel	Condo/Hotel	39	2020
Wada Commercial Bldg. & Hotel	Mixed Use / Hotel	8	NA
Bed and Breakfasts	B&B	109	NA
Short term rentals	New Class	136	NA
Transient vacation rentals		12	NA

NA: Not available

SOURCE: HAWAII TOURISM AUTHORITY, 2016 VISITOR PLANT INVENTORY; COUNTY OF MAUI DEPARTMENT OF PLANNING.

### 8.1.7

## AVERAGE ANNUAL WAGES FOR CONSTRUCTION INDUSTRIES MAUI COUNTY, 2015

Industry	Number of Establishments	Number of Employees	Total Wages	Average Annual Wages
<b>Construction</b>	<b>614</b>	<b>3,727</b>	<b>\$230,955,051</b>	<b>\$61,968</b>
<b>Construction of Buildings</b>	<b>209</b>	<b>1,272</b>	<b>\$80,446,078</b>	<b>\$63,244</b>
Residential	167	714	\$36,812,791	\$51,559
Nonresidential	42	558	\$43,633,287	\$78,196
<b>Heavy and Civil Engineering Construction</b>	<b>40</b>	<b>394</b>	<b>\$35,245,081</b>	<b>\$89,455</b>
Land Subdivision	*	*	*	*
Highway, Street, and Bridge Construction	12	250	\$25,345,771	\$101,383
<b>Specialty Trade Contractors</b>	<b>365</b>	<b>2,061</b>	<b>\$115,263,892</b>	<b>\$55,926</b>
Building Foundation/Exterior Contractors	71	415	\$20,518,898	\$49,443
Building Equipment Contractors	136	1,014	\$65,873,516	\$64,964
Building Finishing Contractors	102	430	\$18,813,313	\$43,752
Other Specialty Trade Contractors	56	202	\$10,058,165	\$49,793

\* Data suppressed due to confidentiality

SOURCE: U.S. BUREAU OF LABOR STATISTICS, QUARTERLY CENSUS OF EMPLOYMENT AND WAGES.



## 8.1.8

## BUILDING PERMITS ISSUED MAUI COUNTY, 2016

Type of Permit	Number of Permits	Number of Units	Valuation
Single family, detached	257	256	\$127,813,215
Single family, attached, no unit over/below	4	8	\$5,993,375
Two family buildings	39	78	\$19,763,070
Three and four family buildings	1	3	\$1,800,000
Five or more family buildings	14	132	\$37,606,130
Amusement and recreational	2	0	\$760,500
Parking garages	10	0	\$1,815,456
Hospital and institutional	1	0	\$75,000
Offices, banks, and professional	6	0	\$2,125,544
Public works and utilities	1	0	\$0
Schools and other educational	4	0	\$376,570
Stores and customer service	17	0	\$40,706,026
Other non-residential	84	0	\$8,650,720
Structures other than bldgs	197	0	\$40,700,554
Residential alterations	302	7	\$30,646,989
Commercial alterations	193	1	\$61,483,894
Additions of garages/carports	32	0	\$2,172,106
Demo-single family homes	28	18	\$283,388
Demo- all other	29	0	\$347,600
Repairs to dwellings	5	0	\$472,600
Repairs to other buildings	49	0	\$4,588,936
Relocate residential buildings	2	0	\$13,000
Relocated garages	1	0	\$100
Fences, retaining walls, seawalls	85	0	\$9,317,789
Temporary structures	64	0	\$315,665
<b>Total</b>	<b>1,427</b>	<b>503</b>	<b>\$397,828,227</b>

SOURCE: COUNTY OF MAUI, DEVELOPMENT SERVICES ADMINISTRATION, BUILDING PERMIT SECTION.

## 8.1.9

## CONSTRUCTION ESTABLISHMENTS BY TYPE AND LOCATION, MAUI COUNTY, 2015

Establishment Type						
	Location	Number	Location	Number	Location	Number
<b>Residential Building</b>						
	Ha'ikū	10	Lahaina	21	Kaunakakai	4
	Hāna	2	Makawao	17	Kualapu'u	1
	Kahului	10	Pā'ia	3	Lāna'i City	1
	Kīhei	38	Pu'unēnē	3		
	Kula	8	Wailuku	22		
<b>Nonresidential Building</b>						
	Ha'ikū	1	Lahaina	3	Wailuku	6
	Kahului	4	Makawao	3	Kaunakakai	1
	Kula	2	Pu'unēnē	2	Lāna'i City	1
<b>Utility System Construction</b>						
	Ha'ikū	1	Kīhei	1	Wailuku	3
	Kahului	3				
<b>Land Subdivision</b>						
	Kahului	3	Kula	1	Makawao	1
	Kīhei	1	Lahaina	1	Wailuku	1
<b>Heavy and Civil Engineering</b>						
	Kīhei	1	Pu'unēnē	1	Wailuku	2
	Lahaina	1				
<b>Foundation, Structure, and Building Exterior</b>						
	Ha'ikū	5	Kula	4	Pu'unēnē	3
	Kahului	6	Lahaina	4	Wailuku	11
	Kīhei	18	Makawao	5		
<b>Building Equipment</b>						
	Ha'ikū	11	Lahaina	9	Wailuku	21
	Kahului	26	Makawao	11	Ho'olehua	1
	Kīhei	18	Pā'ia	4	Kaunakakai	2
	Kula	5	Pu'unēnē	5	Lāna'i City	1
<b>Building Finishing</b>						
	Ha'ikū	12	Kula	5	Pu'unēnē	4
	Hāna	1	Lahaina	8	Wailuku	18
	Kahului	7	Makawao	11		
	Kīhei	16	Pā'ia	2		
<b>Other Specialty Trade Contractors</b>						
	Ha'ikū	4	Kula	6	Pu'unēnē	4
	Kahului	2	Lahaina	1	Wailuku	9
	Kīhei	9	Makawao	5	Lāna'i City	1

SOURCE: U.S. CENSUS BUREAU, 2015 ZIP CODE BUSINESS PATTERNS.

## 8.2.1

## SUMMARY HOUSING CHARACTERISTICS MAUI COUNTY, 2015

Characteristic	Number	Percent
<b>Total Housing Units</b>	<b>71,712</b>	<b>100.0%</b>
Median number of rooms	4.1	
<b>Occupied Housing Units</b>	<b>52,080</b>	<b>72.6%</b>
Structure built 1990 or later	28,101	39.2%
Structure built before 1940	3,600	5.0%
Lacking complete plumbing	98	0.2%
Lacking complete kitchen	845	1.6%
Lacking telephone service	1,427	2.7%
Moved into unit after 1999	37,432	71.9%
Moved into unit before 1980	4,381	8.4%
Occupants per room of 1.51 or more	2,106	4.0%
<b>Owner-Occupied Units</b>	<b>30,523</b>	<b>58.6%</b>
Median value	\$569,300	
With a mortgage	20,811	68.2%
Median monthly costs	\$2,225	
Monthly costs were 35% or more of income	8,038	38.8%
Not mortgaged	9,712	31.8%
Median monthly costs	\$441	
<b>Renter-Occupied Units</b>	<b>21,557</b>	<b>41.4%</b>
Median gross rent	\$1,418	
Rent was 35% or more of income	7,958	40.3%

SOURCE: U.S. CENSUS BUREAU, 2015 AMERICAN COMMUNITY SURVEY ONE-YEAR ESTIMATES.

## 8.2.2

## SELECTED HOUSING CHARACTERISTICS MAUI COUNTY

Maui County	2012	2013	2014	2015
<b>All Housing Units</b>	<b>70,763</b>	<b>71,147</b>	<b>71,469</b>	<b>71,712</b>
<b>Units in Structure</b>				
1 unit, detached	39,572	41,523	39,433	39,379
1 unit, attached	5,772	3,620	4,052	4,406
2 to 4 units	6,617	5,741	7,433	6,321
5 to 9 units	4,191	5,828	6,612	4,987
10 or more units	14,532	14,220	13,526	16,221
Mobile home, boat, other	79	215	413	398
Median number of rooms	4.0	4.1	4.1	4.1
<b>Occupied Housing Units</b>	<b>52,120</b>	<b>53,946</b>	<b>54,303</b>	<b>52,080</b>
With 1.01 or more occupants/room	6,087	5,523	5,376	6,462
<b>Vacant Housing Units</b>	<b>18,643</b>	<b>17,201</b>	<b>17,166</b>	<b>19,632</b>
For seasonal use	6,323	8,436	6,552	7,584
Homeowner vacancy rate	0.5	0.7	0.5	1.5
Rental vacancy rate	27.5	21.8	25.3	27.0
<b>Owner-Occupied Units</b>	<b>29,748</b>	<b>31,904</b>	<b>30,931</b>	<b>30,523</b>
Percent of all occupied units	57.1%	59.1%	57.0%	58.6%
Average household size	3.19	2.90	3.13	3.28
<b>Value of Owner-Occupied Units</b>				
Total units	29,748	31,904	30,931	30,523
Less than \$100,000 unit value	1,109	1,302	1,662	623
\$100,000 to \$199,999	2,501	1,486	1,485	1,220
\$200,000 to \$299,999	2,259	3,582	2,478	2,301
\$300,000 to \$499,999	10,316	11,388	8,617	8,304
\$500,000 to \$999,999	11,339	10,467	13,832	15,171
\$1 million or more	2,224	3,679	2,857	2,904
Median value	<b>\$478,900</b>	<b>\$471,800</b>	<b>\$534,100</b>	<b>\$569,300</b>
<b>Renter-Occupied Units</b>	<b>22,372</b>	<b>22,042</b>	<b>23,372</b>	<b>21,557</b>
Percent of all occupied units	42.9%	40.9%	43.0%	41.4%
Average household size	2.70	2.94	2.71	2.87
<b>Gross Rent</b>				
Total renters	20,306	19,869	21,559	19,980
Less than \$500 rent	NA	NA	NA	1,152
\$500 to \$999	4,377	4,603	5,433	4,113
\$1,000 to \$1,499	7,397	7,279	7,381	5,982
\$1,500 or more	7,418	6,915	7,315	8,733
No cash rent	2,066	2,173	1,813	1,577
Median rent	<b>\$1,241</b>	<b>\$1,292</b>	<b>\$1,238</b>	<b>\$1,418</b>

SOURCE: U.S. CENSUS BUREAU, AMERICAN COMMUNITY SURVEY ONE-YEAR ESTIMATES.

## 8.2.3

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

2015	Total Housing Units	Occupied Housing Units	Owner Occupied Units	Renter Occupied Units
<b>Maui Island</b>				
Hai'kū-Pa'uwela CDP	3,346	2,831	1,740	1,091
Hāli'imaile CDP	395	371	236	135
Hāna CDP	536	378	212	166
Kā'anapali CDP	1,858	534	442	92
Kahului CDP	7,913	7,109	4,034	3,075
Kapalua CDP	889	142	109	33
Kēōkea CDP	707	625	455	170
Kīhei CDP	12,456	8,335	3,867	4,468
Kula CDP	2,974	2,808	1,936	872
Lahaina CDP	4,158	3,404	1,705	1,699
Launiupoko CDP	267	196	117	79
Ma'alaea CDP	645	197	131	66
Mahinahina CDP	435	399	323	76
Makawao CDP	2,564	2,286	1,135	1,151
Mākena CDP	137	57	27	30
Nāpili-Honokōwai CDP	4,271	2,807	1,139	1,668
Olinda CDP	543	444	272	172
Olowalu CDP	46	33	24	9
Pā'ia CDP	1,026	785	461	324
Pukalani CDP	3,053	2,804	1,730	1,074
Waihe'e-Waiehu CDP	2,434	2,382	1,857	525
Waikapū CDP	1,107	994	775	219
Wailea CDP	6,119	2,604	1,640	964
Wailuku CDP	6,282	5,754	3,315	2,439
<b>Moloka'i</b>				
Kaunakakai CDP	1,518	1,246	730	516
Kualapu'u CDP	681	586	430	156
Maunaloa CDP	157	119	37	82
Ualapu'e CDP	256	150	96	54
<b>Lāna'i</b>				
Lāna'i City CDP	1,463	1,185	600	585
Manele CDP	61	12	12	0

SOURCE: U.S. CENSUS BUREAU, 2011-2015 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.4

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

2015	All Housing Units	Vacant Units	Seasonal, Recreational or Occasional	Homeowner Vacancy Rate	Rental Vacancy Rate
<b>Maui Island</b>					
Hai'kū-Pa'uwela CDP	3,346	515	332	0.0	8.2
Hāli'imaile CDP	395	24	9	0.0	0.0
Hāna CDP	536	158	91	2.3	21.7
Kā'anapali CDP	1,858	1,324	463	6.0	89.8
Kahului CDP	7,913	804	83	0.0	5.6
Kapalua CDP	889	747	407	13.6	88.7
Kēōkea CDP	707	82	26	0.0	10.1
Kīhei CDP	12,456	4,121	1,580	0.0	27.6
Kula CDP	2,974	166	98	0.0	0.0
Lahaina CDP	4,158	754	233	1.3	13.5
Launiupoko CDP	267	71	60	0.0	8.1
Ma'alaea CDP	645	448	195	6.5	76.2
Mahinahina CDP	435	36	19	0.0	0.0
Makawao CDP	2,564	278	140	0.0	2.2
Mākena CDP	137	80	55	3.6	23.1
Nāpili-Honokōwai CDP	4,271	1,464	540	0.0	32.5
Olinda CDP	543	99	45	2.9	19.6
Olowalu CDP	46	13	5	14.3	0.0
Pā'ia CDP	1,026	241	72	2.7	24.8
Pukalani CDP	3,053	249	81	0.0	2.5
Waihe'e-Waiehu CDP	2,434	52	6	0.0	5.4
Waikapū CDP	1,107	113	52	2.3	0.0
Wailea CDP	6,119	3,515	1,311	4.3	67.2
Wailuku CDP	6,282	528	126	0.4	2.8
<b>Moloka'i</b>					
Kaunakakai CDP	1,518	272	62	0.0	12.2
Kualapu'u CDP	681	95	32	0.0	11.4
Maunaloa CDP	157	38	0	0.0	21.9
Ualapu'e CDP	256	106	46	4.0	42.7
<b>Lāna'i</b>					
Lāna'i City CDP	1,463	278	107	1.6	11.3
Manele CDP	61	49	45	0.0	100.0

SOURCE: U.S. CENSUS BUREAU, 2011-2015 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.5

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

2015	All Units	Occupied Housing Units			Average Household Size	
		Occupied	By Owner	By Renter	Owner Occupied	Renter Occupied
<b>Maui Island</b>						
Hai'kū-Pa'uwela CDP	3,346	2,831	1,740	1,091	3.06	2.32
Hāli'imaile CDP	395	371	236	135	3.42	2.84
Hāna CDP	536	378	212	166	4.03	2.43
Kā'anapali CDP	1,858	534	442	92	2.18	2.42
Kahului CDP	7,913	7,109	4,034	3,075	4.13	3.30
Kapalua CDP	889	142	109	33	2.09	2.85
Kēōkea CDP	707	625	455	170	3.50	2.10
Kīhei CDP	12,456	8,335	3,867	4,468	2.88	2.51
Kula CDP	2,974	2,808	1,936	872	2.64	2.71
Lahaina CDP	4,158	3,404	1,705	1,699	3.74	3.21
Launiupoko CDP	267	196	117	79	2.75	2.32
Ma'alaea CDP	645	197	131	66	1.57	1.39
Mahinahina CDP	435	399	323	76	2.43	3.05
Makawao CDP	2,564	2,286	1,135	1,151	2.97	2.64
Mākena CDP	137	57	27	30	2.48	2.17
Nāpili-Honokōwai CDP	4,271	2,807	1,139	1,668	2.45	2.35
Olinda CDP	543	444	272	172	2.60	2.65
Olowalu CDP	46	33	24	9	2.92	2.44
Pā'ia CDP	1,026	785	461	324	3.33	3.10
Pukalani CDP	3,053	2,804	1,730	1,074	3.08	2.56
Waihe'e-Waiehu CDP	2,434	2,382	1,857	525	4.06	3.06
Waikapū CDP	1,107	994	775	219	3.74	3.03
Wailea CDP	6,119	2,604	1,640	964	2.07	2.31
Wailuku CDP	6,282	5,754	3,315	2,439	2.79	2.74
<b>Moloka'i</b>						
Kaunakakai CDP	1,518	1,246	730	516	3.32	2.17
Kualapu'u CDP	681	586	430	156	3.41	3.42
Maunaloa CDP	157	119	37	82	4.05	3.43
Ualapu'e CDP	256	150	96	54	2.24	2.91
<b>Lāna'i</b>						
Lāna'i City CDP	1,463	1,185	600	585	3.18	2.74
Manele CDP	61	12	12	0	1.67	0.00

SOURCE: U.S. CENSUS BUREAU, 2011-2015 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.6

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

2015	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
<b>Maui Island</b>							
Hai'kū-Pa'uwela CDP	1,740	87	16	92	291	933	321
Hāli'imaile CDP	236	10	6	44	124	48	4
Hāna CDP	212	14	4	25	88	76	5
Kā'anapali CDP	442	3	0	0	31	192	216
Kahului CDP	4,034	228	120	132	1,755	1,668	131
Kapalua CDP	109	1	0	0	11	31	66
Kēōkea CDP	455	12	36	58	161	124	64
Kīhei CDP	3,867	67	292	342	1,615	1,378	173
Kula CDP	1,936	43	35	40	309	972	537
Lahaina CDP	1,705	44	73	116	526	839	107
Launiupoko CDP	117	0	3	0	6	20	88
Ma'alaea CDP	131	5	4	11	66	43	2
Mahinahina CDP	323	4	42	40	41	167	29
Makawao CDP	1,135	33	27	60	492	516	7
Mākena CDP	27	1	0	0	0	1	25
Nāpili-Honokōwai CDP	1,139	42	90	172	444	308	83
Olinda CDP	272	0	2	0	18	161	91
Olowalu CDP	24	0	1	0	4	10	9
Pā'ia CDP	461	18	0	27	147	231	38
Pukalani CDP	1,730	44	51	0	438	1,183	14
Waihe'e-Waiehu CDP	1,857	51	170	284	724	586	42
Waikapū CDP	775	18	0	56	347	349	5
Wailea CDP	1,640	30	16	61	210	783	540
Wailuku CDP	3,315	64	241	356	1,232	1,360	62
<b>Moloka'i</b>							
Kaunakakai CDP	730	41	142	179	232	125	11
Kualapu'u CDP	430	77	152	78	65	43	15
Maunaloa CDP	37	0	11	18	6	2	0
Ualapu'e CDP	96	4	38	18	25	7	4
<b>Lāna'i</b>							
Lāna'i City CDP	600	28	65	75	305	115	12
Manele CDP	12	0	0	0	0	0	12

SOURCE: U.S. CENSUS BUREAU, 2011-2015 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.



## 8.2.7

**GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME  
BY CENSUS DESIGNATED PLACE (CDP), MAUI COUNTY**

<b>2015</b>	<b>Total Rentals</b>	<b>Less than 20%</b>	<b>20% to 24.9%</b>	<b>25% to 29.9%</b>	<b>30% to 34.9 %</b>	<b>Over 35%</b>	<b>Not Computed</b>
<b>Maui Island</b>							
Hai'kū-Pa'uwela CDP	862	213	75	239	15	320	229
Hāli'imaile CDP	129	18	24	20	16	51	6
Hāna CDP	131	8	18	18	8	79	35
Kā'anapali CDP	63	15	11	2	9	26	29
Kahului CDP	2,880	739	297	575	310	959	195
Kapalua CDP	27	12	0	4	0	11	6
Kēōkea CDP	135	34	22	0	13	66	35
Kīhei CDP	4,251	807	564	572	429	1,879	217
Kula CDP	782	92	153	46	49	442	90
Lahaina CDP	1,580	417	181	136	144	702	119
Launiupoko CDP	66	19	1	4	16	26	13
Ma'alaea CDP	56	15	7	12	9	13	10
Mahinahina CDP	74	13	14	4	22	21	2
Makawao CDP	1,095	214	148	142	92	499	56
Mākena CDP	11	0	0	11	0	0	19
Nāpili-Honokōwai CDP	1,653	247	228	275	100	803	15
Olinda CDP	157	32	55	7	7	56	15
Olowalu CDP	9	1	3	5	0	0	0
Pā'ia CDP	269	59	60	13	20	117	55
Pukalani CDP	959	300	104	128	35	392	115
Waihe'e-Waiehu CDP	429	84	53	19	91	182	96
Waikapū CDP	219	20	14	39	26	120	0
Wailea CDP	855	78	73	113	54	537	109
Wailuku CDP	2,171	532	346	170	235	888	268
<b>Moloka'i</b>							
Kaunakakai CDP	415	100	61	50	9	195	101
Kualapu'u CDP	116	41	11	10	7	47	40
Maunaloa CDP	71	12	10	2	9	38	11
Ualapu'e CDP	46	12	5	10	4	15	8
<b>Lāna'i</b>							
Lāna'i City CDP	569	232	132	72	25	108	16
Manele CDP	0	0	0	0	0	0	0

SOURCE: U.S. CENSUS BUREAU, 2011-2015 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.8

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

<b>2015</b>	<b>Total</b>	<b>Less than \$500<sup>1</sup></b>	<b>\$500 to \$999</b>	<b>\$1,000 to \$1,499</b>	<b>\$1,500 to \$1,999</b>	<b>\$2,000 to \$2,499</b>	<b>\$2,500 or more</b>
<b>Maui Island</b>							
Hai'kū-Pa'uwela CDP	862	229	233	254	235	93	47
Hāli'imaile CDP	129	6	43	45	25	13	3
Hāna CDP	131	35	72	51	8	0	0
Kā'anapali CDP	66	26	0	6	16	16	28
Kahului CDP	2,906	408	870	1,026	507	205	59
Kapalua CDP	27	6	2	0	6	7	12
Kēōkea CDP	135	38	16	92	14	4	6
Kīhei CDP	4,304	349	592	1,752	1,037	491	247
Kula CDP	825	62	154	317	227	48	64
Lahaina CDP	1,585	265	367	551	299	80	137
Launiupoko CDP	66	13	9	2	5	9	41
Ma'alaea CDP	57	10	1	35	12	2	6
Mahinahina CDP	74	2	0	14	18	20	22
Makawao CDP	1,095	103	222	539	163	101	23
Mākena CDP	11	19	11	0	0	0	0
Nāpili-Honokōwai CDP	1,668	79	100	745	567	110	67
Olinda CDP	157	15	19	40	34	31	33
Olowalu CDP	9	0	6	3	0	0	0
Pā'ia CDP	274	50	14	84	47	78	51
Pukalani CDP	959	115	115	546	136	125	37
Waihe'e-Waiehu CDP	447	192	15	124	141	6	47
Waikapū CDP	219	5	22	61	40	28	63
Wailea CDP	905	68	71	161	343	134	187
Wailuku CDP	2,184	338	995	491	351	200	64
<b>Moloka'i</b>							
Kaunakakai CDP	429	175	199	118	24	0	0
Kualapu'u CDP	116	45	21	47	40	3	0
Maunaloa CDP	76	18	49	15	0	0	0
Ualapu'e CDP	46	11	26	12	2	3	0
<b>Lāna'i</b>							
Lāna'i City CDP	569	44	277	211	53	0	0
Manele CDP	0	0	0	0	0	0	0

1. Includes no cash rent.

SOURCE: U.S. CENSUS BUREAU, 2011-2015 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.9

**SELECTED MONTHLY OWNER AND RENTER COST  
AS A PERCENTAGE OF HOUSEHOLD INCOME  
MAUI COUNTY**

	2012	2013	2014	2015
<b>Owner</b>				
Housing units with a mortgage	19,848	20,873	21,160	20,728
Less than 20% of income	3,841	5,120	4,815	6,239
20% to 24.9%	2,274	3,333	3,147	2,696
25% to 29.9%	2,565	2,075	3,542	2,210
30% to 34.9%	2,467	1,208	1,676	1,545
35% or more	8,701	9,137	7,980	8,038
Not computed	17	112	155	83
Median mortgage (dollars)	\$2,325	\$2,261	\$2,164	\$2,225
<b>Renter</b>				
Renter-occupied units	20,067	19,418	21,326	19,756
Less than 15% of income	1,280	2,512	2,483	2,188
15% to 19.9%	2,277	3,020	1,767	2,655
20% to 24.9%	3,190	2,684	2,082	2,481
25% to 29.9%	2,911	2,119	4,182	2,420
30% to 34.9%	1,638	1,697	1,996	2,054
35% or more	8,771	7,386	8,816	7,958
Not computed	2,305	2,624	2,046	1,801
Median rent (dollars)	\$1,241	\$1,292	\$1,238	\$1,418

SOURCE: U.S. CENSUS BUREAU, AMERICAN COMMUNITY SURVEY ONE-YEAR ESTIMATES.

## 8.2.10

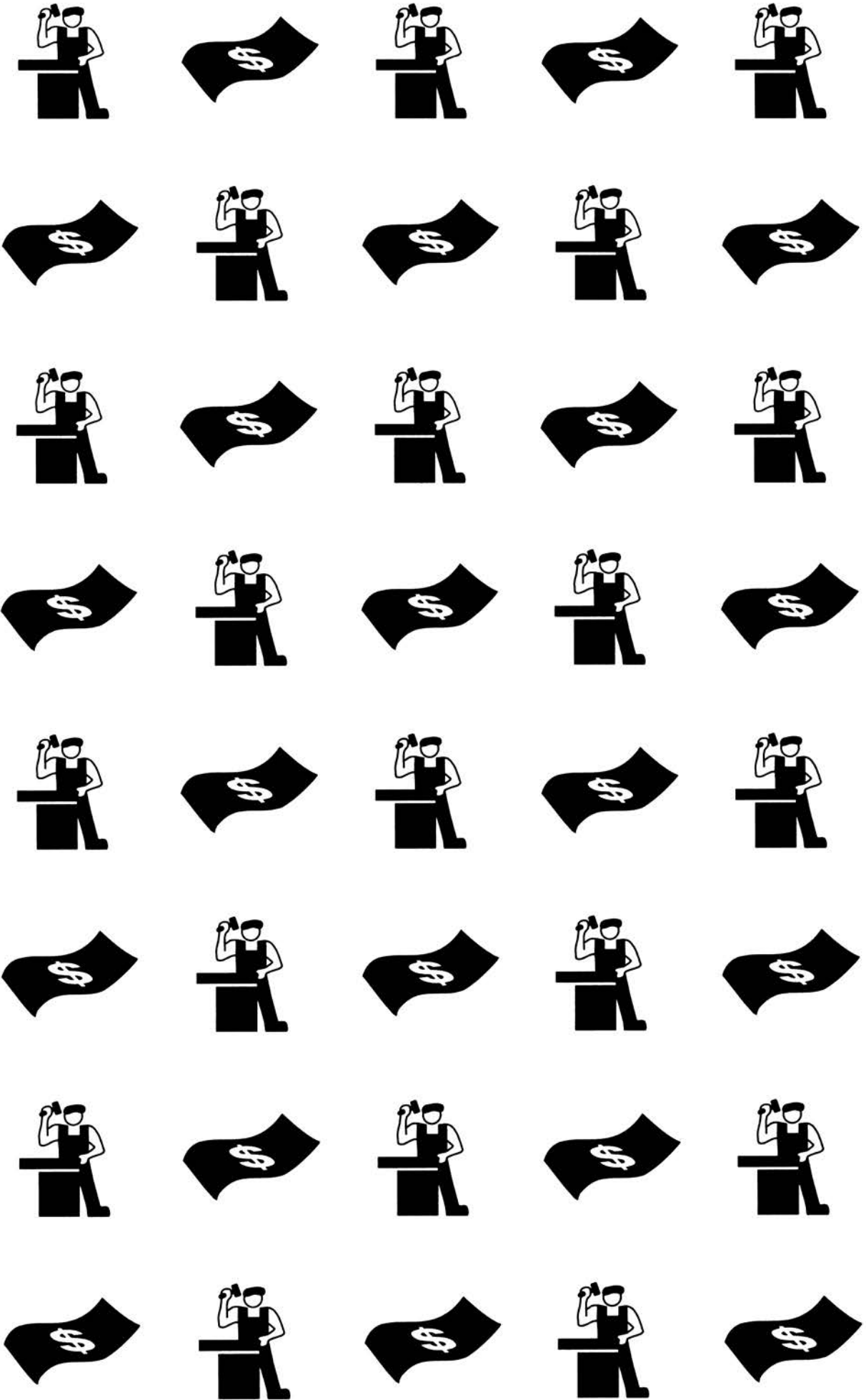
### FORECLOSURE FILINGS BY JUDICIAL CIRCUIT

Year	Maui County <sup>1</sup>	Hawai'i County	City & County of Honolulu	Kaua'i County	State Total
1995	317	293	1,204	143	1,957
1996	464	352	1,828	156	2,800
1997	421	362	2,205	160	3,148
1998	422	359	2,662	183	3,626
1999	324	339	2,135	136	2,934
2000	228	251	1,591	83	2,153
2001	197	246	1,390	80	1,913
2002	110	151	624	63	948
2003	78	112	396	35	621
2004	51	80	283	23	437
2005	47	51	198	12	308
2006	59	105	266	23	453
2007	101	188	395	34	718
2008	254	359	666	84	1,363
2009	386	488	786	140	1,800
2010	280	316	611	93	1,300
2011	571	750	1,171	165	2,657
2012	678	860	1,505	145	3,188
2013	728	961	1,504	229	3,422
2014	397	543	1,026	118	2,084
2015	357	525	861	83	1,826

1. The Maui County Judicial Circuit includes Kalawao on Moloka'i.

SOURCE: HAWAII STATE JUDICIARY, OFFICE OF THE ADMINISTRATIVE DIRECTOR OF THE COURTS, STATISTICS OFFICE.

# 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 2016 was 85,450 and the number of employed was 82,750. The unemployment rate decreased from 3.7% to 3.2% between 2015 and 2016.

Data for this section came from many sources, including the Hawai'i State Department of Business, Economic Development and Tourism and the Hawai'i Department of Industrial Labor and Relations.

### 9.1.1

## FINANCIAL INSTITUTIONS WITH LOCATIONS IN MAUI COUNTY

	Maui	Moloka'i	Lāna'i
<b>Banks<sup>1</sup></b>			
Firms	4	1	2
Locations	22	1	2
<b>Savings and Loan Associations<sup>1</sup></b>			
Associations	1	0	0
Locations	3	0	0
<b>Financial Services Loan Companies<sup>1</sup></b>			
Firms	2	1	0
Locations	3	1	0
<b>Escrow Depository Companies<sup>2</sup></b>			
Firms	4	0	0
Locations	11	0	0

1. As of September 16, 2015.

2. As of April 7, 2017.

SOURCE: HAWAII STATE DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, DIVISION OF FINANCIAL INSTITUTIONS.

### 9.1.2

## DEPOSITS IN OFFICES OF FDIC-INSURED INSTITUTIONS MAUI COUNTY

*As of June 30; In thousands of dollars*

Location	2012	2013	2014	2015	2016
Hāna	5,671	5,808	5,825	7,276	5,939
Kahului	840,177	902,230	972,135	1,247,820	1,324,082
Kīhei	455,817	486,548	496,687	530,600	558,900
Lahaina	405,335	447,658	495,438	571,335	586,882
Makawao/Pukalani	181,481	195,587	214,635	228,132	255,353
Pā'ia	52,513	58,842	70,487	77,518	80,231
Wailuku	417,981	344,756	372,569	199,736	226,674
Kaunakakai	64,326	70,816	69,776	73,797	77,856
Lāna'i City	26,963	31,465	33,638	34,903	36,266
<b>Total</b>	<b>\$2,450,264</b>	<b>\$2,543,710</b>	<b>\$2,731,190</b>	<b>\$2,971,117</b>	<b>\$3,152,183</b>

SOURCE: FEDERAL DEPOSIT INSURANCE CORPORATION, FDIC SUMMARY OF DEPOSITS.

### 9.1.3

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

As of December 31, 2016

Name	Location	Assets (\$)	Loans (\$)	Members
Kahului	Kahului	\$57,316,021	\$19,773,905	4,731
Lānaʻi	Lānaʻi City	\$27,364,479	\$1,069,046	1,829
Maui	Kahului	\$98,690,576	\$30,386,231	7,037
Maui County	Wailuku	\$275,684,741	\$133,137,680	15,279
Maui Teachers	Wailuku	\$34,622,612	\$6,674,084	1,744
Molokaʻi Community	Kaunakakai	\$24,159,342	\$11,298,479	4,476
Valley Isle Community	Kahului	\$115,116,078	\$45,442,750	13,380
Wailuku	Wailuku	\$50,136,693	\$30,164,528	4,328
West Maui Community	Lahaina	\$36,791,894	\$6,749,442	2,987
<b>Maui County Total</b>		<b>\$719,882,436</b>	<b>\$284,696,145</b>	<b>55,791</b>

SOURCE: NATIONAL CREDIT UNION ADMINISTRATION, FINANCIAL PERFORMANCE REPORTS.

### 9.1.4

## FEDERAL CREDIT UNION CHARACTERISTICS MAUI COUNTY

	2013	2014	2015	2016
Number of credit unions	11	10	9	9
Total members	55,098	55,120	55,683	55,791
Total assets	\$665,679,008	\$668,624,093	\$689,900,145	\$719,882,436
Total shares and deposits	\$575,063,700	\$574,975,688	\$592,350,617	\$618,987,568
Number of shares & deposit accounts	82,703	84,301	83,504	85,800
Total loans	\$265,225,463	\$263,267,520	\$278,951,834	\$284,696,145
Number of loans	19,382	19,324	22,191	32,434

SOURCE: NATIONAL CREDIT UNION ADMINISTRATION, CALL REPORT DATA FILES.



## 9.2.1

### CIVILIAN LABOR FORCE SUMMARY BY COUNTY AND STATE OF HAWAII

*Annual averages. Not seasonally adjusted.  
Data rounded to nearest 50, except percent unemployed which is rounded to 0.1 percent.*

	Maui County	Hawai'i County	City and County of Honolulu	Kaua'i County	State
<b>Labor Force</b>					
2009	76,050	83,900	439,750	32,000	631,700
2010	78,950	87,750	446,200	34,300	647,250
2011	80,500	88,700	456,150	34,900	660,250
2012	79,150	86,100	448,000	33,900	647,200
2013	79,650	85,900	450,100	33,900	649,550
2014	82,350	87,650	461,350	34,750	666,100
2015	83,850	88,650	467,300	35,100	674,900
2016	85,450	90,450	473,950	35,550	685,400
<b>Employed</b>					
2009	69,100	75,350	413,200	28,850	586,500
2010	72,200	79,100	419,650	31,300	602,300
2011	74,150	79,950	429,350	31,850	615,300
2012	74,100	78,950	423,900	31,400	608,300
2013	75,550	80,200	430,300	32,000	618,000
2014	78,600	82,800	442,500	33,100	637,000
2015	80,750	84,700	451,600	33,700	650,750
2016	82,750	87,000	460,600	34,350	664,700
<b>Unemployed</b>					
2009	6,950	8,550	26,550	3,150	45,150
2010	6,750	8,650	26,550	3,000	44,950
2011	6,400	8,700	26,800	3,050	44,950
2012	5,100	7,150	24,150	2,500	38,900
2013	4,100	5,700	19,850	1,900	31,550
2014	3,750	4,850	18,800	1,700	29,100
2015	3,100	3,900	15,700	1,400	24,150
2016	2,700	3,450	13,350	1,200	20,700
<b>Percent Unemployed</b>					
2009	9.1	10.2	6.0	9.8	7.2
2010	8.5	9.9	6.0	8.8	6.9
2011	7.9	9.8	5.9	8.7	6.8
2012	6.4	8.3	5.4	7.3	6.0
2013	5.1	6.6	4.4	5.6	4.9
2014	4.5	5.5	4.1	4.8	4.4
2015	3.7	4.4	3.4	4.0	3.6
2016	3.2	3.8	2.8	3.3	3.0

Note: Data for 2012 to 2016 reflect revised population controls and model reestimation.

SOURCE: HAWAII STATE DEPARTMENT OF LABOR & INDUSTRIAL RELATIONS, CURRENT AND HISTORICAL LABOR FORCE ESTIMATES  
AND UNEMPLOYMENT RATES.

9.2.2

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

	Maui	Moloka'i	Lāna'i	Maui County
<b>Labor Force</b>				
1998	66,150	2,950	1,700	70,800
1999	67,800	3,000	1,800	72,600
2000	66,250	2,850	1,800	70,950
2001	68,300	2,550	1,800	72,650
2002	67,200	2,450	1,700	71,350
2003	67,200	2,400	1,650	71,250
2004	69,200	2,550	1,650	73,400
2005	70,800	2,550	1,650	75,000
2006	73,000	2,450	1,700	77,150
2007	74,250	2,450	1,700	78,450
2008	74,050	2,500	1,650	78,250
2009	71,900	2,550	1,550	76,050
2010	74,700	2,750	1,550	78,950
2011	76,250	2,700	1,550	80,500
2012	75,100	2,600	1,500	79,150
2013	75,600	2,450	1,600	79,650
2014	78,150	2,550	1,650	82,350
2015	79,800	2,500	1,550	83,850
2016	81,300	2,550	1,600	85,450
<b>Employment</b>				
1998	61,950	2,550	1,650	66,100
1999	64,300	2,600	1,700	68,600
2000	63,950	2,450	1,750	68,150
2001	65,600	2,250	1,750	69,550
2002	64,550	2,250	1,650	68,450
2003	64,700	2,150	1,600	68,450
2004	67,150	2,250	1,600	71,000
2005	69,000	2,300	1,650	72,950
2006	71,250	2,300	1,700	75,250
2007	72,150	2,300	1,650	76,150
2008	70,600	2,250	1,600	74,400
2009	65,500	2,200	1,400	69,100
2010	68,400	2,400	1,450	72,200
2011	70,350	2,300	1,450	74,150
2012	70,400	2,200	1,450	74,100
2013	71,800	2,200	1,550	75,550
2014	74,800	2,250	1,600	78,600
2015	76,950	2,250	1,500	80,750
2016	78,850	2,350	1,550	82,750

## 9.2.2

## CONTINUED

	Maui	Moloka'i	Lāna'i	Maui County
<b>Unemployment</b>				
1998	4,200	450	50	4,700
1999	3,500	400	100	4,000
2000	2,350	400	50	2,800
2001	2,700	300	50	3,100
2002	2,650	200	50	2,900
2003	2,500	250	*	2,850
2004	2,050	300	*	2,350
2005	1,800	200	*	2,050
2006	1,750	150	*	1,950
2007	2,100	150	*	2,300
2008	3,450	250	100	3,800
2009	6,450	350	150	6,950
2010	6,300	350	100	6,750
2011	5,900	400	100	6,400
2012	4,700	350	*	5,100
2013	3,800	250	50	4,100
2014	3,400	300	*	3,750
2015	2,850	200	50	3,100
2016	2,450	200	100	2,700
<b>Percent Unemployed</b>				
1998	6.4	14.5	3.4	6.6
1999	5.1	13.9	4.2	5.5
2000	3.5	13.8	3.2	3.9
2001	4.0	12.5	4.1	4.3
2002	3.9	7.6	4.3	4.1
2003	3.7	10.7	3.0	4.0
2004	2.9	11.2	2.8	3.2
2005	2.5	8.5	1.5	2.7
2006	2.4	5.5	1.9	2.5
2007	2.8	6.5	2.4	2.9
2008	4.7	10.2	5.3	4.9
2009	8.9	13.8	10.1	9.1
2010	8.4	13.0	7.1	8.5
2011	7.8	14.2	5.3	7.9
2012	6.2	14.0	2.5	6.4
2013	5.0	10.2	3.3	5.1
2014	4.3	11.7	2.8	4.5
2015	3.6	8.9	3.7	3.7
2016	3.0	7.3	5.0	3.2

Note: Data rounded to nearest 50, except percent employed which is rounded to 0.1 percent. Annual averages. Not seasonally adjusted. Totals may not add due to rounding. Data for 2012 to 2016 reflect revised population controls and model reestimation.

\*: Data is less than 50

SOURCE: HAWAII STATE DEPT. OF LABOR & INDUSTRIAL RELATIONS, CURRENT & HISTORICAL LABOR FORCE ESTIMATES & UNEMPLOYMENT RATES.

9.2.3

**LABOR FORCE BY RACE AND SEX  
MAUI COUNTY**

Race and Sex, 2016	Civilian Labor Force			Percent Distribution			Unemployment Rate
	Civilian Labor Force	Employed	Unemployed	Civilian Labor Force	Employed	Unemployed	
<b>Both Sexes</b>	<b>85,450</b>	<b>82,750</b>	<b>2,700</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>3.2%</b>
White	34,300	33,400	950	40.2%	40.3%	34.4%	2.7%
Black/African American	650	650	0	0.7%	0.8%	0.0%	0.0%
American Indian/ Alaska Native	250	250	0	0.3%	0.3%	0.0%	0.0%
Asian	24,400	23,950	450	28.6%	28.9%	17.0%	1.9%
Native Hawaiian/ Pacific Islander	8,150	7,600	500	9.5%	9.2%	19.1%	6.4%
Some Other Race	1,500	1,350	100	1.7%	1.7%	4.2%	7.7%
Two or More Races	16,250	15,550	700	19.0%	18.8%	25.3%	4.2%
Minority Group	7,650	7,300	300	8.9%	8.8%	11.5%	4.1%
Hispanic or Latino	58,800	56,700	2,100	63.1%	62.9%	69.1%	3.6%
<b>Females</b>	<b>40,300</b>	<b>39,350</b>	<b>1,000</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>2.4%</b>
White	15,350	15,000	300	38.0%	38.2%	32.2%	2.1%
Black/African American	100	100	0	0.3%	0.3%	0.0%	0.0%
American Indian/ Alaska Native	150	150	0	0.3%	0.3%	0.0%	0.0%
Asian	12,600	12,450	150	31.3%	31.6%	17.6%	1.4%
Native Hawaiian/ Pacific Islander	3,550	3,400	150	8.8%	8.6%	17.6%	4.8%
Some Other Race	750	650	100	1.9%	1.7%	8.8%	11.4%
Two or More Races	7,800	7,600	250	19.4%	19.3%	23.8%	3.0%
Minority Group	3,450	3,400	100	8.6%	8.6%	9.1%	2.5%
Hispanic or Latino	28,450	27,700	750	65.0%	64.9%	70.4%	2.6%
Females as % of both Sexes	47.2%	47.5%	36.0%	----	----	----	----

Note: Totals may not add due to rounding. Does not include Kalawao County.

SOURCE: STATE OF HAWAII, DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS, ESTIMATES BASED ON 2016 LOCAL AREA UNEMPLOYMENT STATISTICS (LAUS) FROM U.S. BUREAU OF LABOR STATISTICS.

9.2.4

**ANNUAL AVERAGE JOB COUNT  
BY INDUSTRY AND ISLAND, MAUI COUNTY**

<b>Industry, 2016</b>	<b>Maui</b>	<b>Moloka'i</b>	<b>Lāna'i</b>	<b>Maui County</b>
<b>TOTAL NONAGRICULTURAL - Wage &amp; Salary Jobs</b>	<b>71,500</b>	<b>1,700</b>	<b>1,400</b>	<b>74,600</b>
<b>TOTAL PRIVATE</b>	<b>62,400</b>	<b>1,100</b>	<b>1,200</b>	<b>64,700</b>
<b>Goods Producing</b>	4,900	*	*	5,100
<b>Natural Resources &amp; Mining &amp; Construction</b>	3,800	*	*	3,900
Special Trade Contractors	2,200	NA	NA	2,200
<b>Manufacturing</b>	1,100	**	0	1,100
Durable Goods	300	NA	0	300
Non-Durable Goods	800	NA	0	800
<b>Service Providing</b>	66,500	1,600	1,300	69,500
<b>Private Service Providing</b>	57,500	1,000	1,100	59,700
<b>Trade, Transportation &amp; Utilities</b>	14,900	300	100	15,400
Wholesale Trade	1,500	**	**	1,500
Retail Trade	9,500	200	*	9,800
Food & Beverage Stores	2,300	100	**	2,500
Clothing & Clothing Accessories Stores	1,500	NA	NA	1,500
General Merchandise	1,700	NA	NA	1,700
Transportation, Warehousing & Utilities	4,000	*	*	4,100
Air Transportation	600	NA	**	600
<b>Information</b>	500	**	**	600
<b>Financial Activities</b>	2,900	*	*	3,100
Finance & Insurance	900	**	**	900
<b>Professional &amp; Business Services</b>	6,900	**	200	7,100
Professional, Scientific & Tech. Svcs.	1,500	**	**	1,500
Administrative & Support & Waste				
Management & Remediation Services	5,200	NA	NA	5,300
<b>Education &amp; Health Services</b>	6,300	300	**	6,700
Education Services	1,100	0	0	1,100
Health Care & Social Assistance	5,200	300	**	5,600
<b>Leisure and Hospitality</b>	23,000	100	600	23,800
Accommodation & Food Services	20,800	100	600	21,600
Accommodation	11,200	**	600	11,900
Food Services and Drinking Places	9,600	100	*	9,700
Full-Service Restaurants	6,600	**	NA	6,600
<b>Other Services</b>	2,900	**	*	3,100
<b>GOVERNMENT</b>	<b>9,000</b>	<b>600</b>	<b>200</b>	<b>9,800</b>
Federal Government	800	**	**	800
State Government	5,800	400	200	6,300
State Education (DOE & UH)	3,000	300	*	3,300
Local Government	2,500	200	**	2,700

\*Fewer than 100. \*\*Fewer than 50. NA: Not available.

Note: Data rounded to nearest 100. Totals may not add due to rounding or residual categories. Not seasonally adjusted.

SOURCE: HAWAII STATE DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS.

## 9.2.5

### MEAN ANNUAL WAGE FOR THE TOP 10 MOST COMMON OCCUPATIONS, MAUI COUNTY

2015 Rank	Occupation	Estimated Employees	Annual Mean Wage	Statewide Annual Wage
1	Retail Salespersons	3,430	\$26,860	\$26,860
2	Waiters and Waitresses	2,920	\$36,430	\$32,480
3	Maids and Housekeeping Cleaners	2,900	\$34,580	\$35,060
4	Cashiers	1,970	\$25,740	\$23,520
5	Cooks, Restaurant	1,650	\$37,530	\$31,540
6	Landscaping and Groundskeeping Workers	1,640	\$32,090	\$30,910
7	Janitors and Cleaners, Except Maids and House-keeping Cleaners	1,610	\$28,660	\$26,780
8	Office Clerks, General	1,330	\$33,330	\$32,420
9	General and Operations Managers	1,240	\$88,540	\$101,630
10	Maintenance and Repair Workers, General	1,240	\$47,350	\$44,820

Note: State of Hawai'i data and Maui data is from the Bureau of Labor Statistics (BLS).

SOURCE: HAWAII STATE DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS, RESEARCH AND STATISTICS OFFICE, JULY 13, 2016.

## 9.2.6

### INCOME FOR HOUSEHOLDS AND FAMILIES MAUI COUNTY

Income (in Inflation-Adjusted Dollars)	2014		2015	
	Households	Families	Households	Families
Total number	54,303	37,149	52,080	36,501
Less than \$10,000	2,520	850	2,525	1,289
\$10,000 to \$14,999	1,479	688	1,502	785
\$15,000 to \$24,999	4,854	2,553	3,513	1,496
\$25,000 to \$34,999	4,151	3,251	4,431	2,547
\$35,000 to \$49,999	7,298	4,880	5,123	3,237
\$50,000 to \$74,999	10,953	7,857	10,903	8,173
\$75,000 to \$99,999	7,744	5,907	8,473	6,424
\$100,000 to \$149,999	9,204	6,534	8,617	7,060
\$150,000 to \$199,999	3,506	2,743	4,212	3,380
\$200,000 or more	2,594	1,886	2,781	2,110
Median income	\$67,013	\$71,789	\$70,497	\$77,267
Mean income	\$85,434	\$91,899	\$86,558	\$94,302

SOURCE: U.S. CENSUS BUREAU, 2014 AND 2015 AMERICAN COMMUNITY SURVEY 1-YEAR ESTIMATES.

## 9.2.7

## LONG TERM INDUSTRY EMPLOYMENT PROJECTIONS MAUI COUNTY

Occupation	Employment		Number Change	Percent Change	Annual Growth
	2012	2022			
<b>Total Employment, All Jobs</b>	<b>76,350</b>	<b>84,840</b>	<b>8,490</b>	<b>11.1%</b>	<b>1.1%</b>
<b>Goods Producing</b>	<b>5,520</b>	<b>6,580</b>	<b>1,060</b>	<b>19.2%</b>	<b>1.9%</b>
<b>Natural Resources &amp; Mining</b>	1,540	1,510	-30	-1.8%	-0.2%
Agriculture, Forestry, Fishing & Hunting	1,520	1,510	-20	-1.2%	-0.1%
<b>Construction</b>	2,920	3,910	990	33.8%	3.4%
<b>Manufacturing</b>	1,060	1,160	100	9.5%	1.0%
<b>Service Providing</b>	<b>63,870</b>	<b>70,870</b>	<b>7,010</b>	<b>11.0%</b>	<b>1.1%</b>
<b>Trade, Transportation, &amp; Utilities</b>	14,010	15,660	1,650	11.8%	1.2%
Wholesale Trade	1,420	1,640	220	15.8%	1.6%
Retail Trade	8,880	9,880	1,000	11.3%	1.1%
Transportation & Warehousing	3,240	3,630	390	11.9%	1.2%
Utilities	470	510	40	8.7%	0.9%
<b>Information</b>	610	570	-40	-6.3%	-0.6%
<b>Financial Activities</b>	2,470	2,920	450	18.3%	1.8%
Finance & Insurance	810	880	60	7.6%	0.8%
Real Estate & Rental & Leasing	1,650	2,040	390	23.6%	2.4%
<b>Professional &amp; Business Services</b>	6,370	7,540	1,170	18.4%	1.8%
Professional, Scientific, & Technical Services	1,370	1,610	240	17.4%	1.7%
Management of Companies & Enterprises	350	360	10	2.6%	0.3%
Administrative & Support & Waste Management	4,650	5,580	930	19.9%	2.0%
<b>Education &amp; Health Services</b>	11,050	12,680	1,630	14.7%	1.5%
Educational Services	4,390	4,680	300	6.8%	0.7%
Health Care & Social Assistance	6,670	8,000	1,330	20.0%	2.0%
<b>Leisure &amp; Hospitality</b>	21,760	23,500	1,740	8.0%	0.8%
Arts, Entertainment, & Recreation	1,840	2,280	440	23.6%	2.4%
Accommodation & Food Services	19,920	21,220	1,300	6.5%	0.7%
Accommodation	11,340	11,800	460	4.1%	0.4%
Food Services & Drinking Places	8,580	9,420	840	9.8%	1.0%
<b>Other Services (Except Government)</b>	2,690	2,940	250	9.2%	0.9%
<b>Government<sup>1</sup></b>	4,910	5,060	160	3.2%	0.3%
<b>Total Self-Employed &amp; Unpaid Family Workers</b>	<b>6,970</b>	<b>7,390</b>	<b>420</b>	<b>6.0%</b>	<b>0.6%</b>

1. State Education and Hospitals are excluded from Government and included in Education and Health Services.  
Note: Totals may not add due to rounding to the nearest ten.

SOURCE: STATE OF HAWAII, DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS, RESEARCH AND STATISTICS OFFICE.

9.3.1

**CHARACTERISTICS OF THE INSURED UNEMPLOYED  
MAUI COUNTY, 2016**

*All claimants*

<b>Characteristic</b>	<b>Maui/Lānaʻi Annual Average</b>	<b>Percent of Total</b>	<b>Molokaʻi Annual Average</b>	<b>Percent of Total</b>
<b>Total</b>	<b>950</b>	<b>100.0</b>	<b>70</b>	<b>100.0</b>
<b>Sex</b>				
Male	594	62.5	45	64.3
Female	356	37.5	25	35.7
<b>Industry</b>				
State	22	2.3	4	5.7
County	--	--	--	--
Agriculture/Forestry/Fishing	52	5.5	11	15.7
Mining	--	--	0	0.0
Utilities	--	--	0	0.0
Construction	224	23.6	16	22.9
Manufacturing	6	0.6	--	--
Wholesale Trade	6	0.6	0	0.0
Retail Trade	53	5.6	2	2.9
Transportation/Warehousing	40	4.2	6	8.6
Information	5	0.5	0	0.0
Finance/Insurance	5	0.5	0	0.0
Real Estate/Rental/Leasing	19	2.0	1	1.4
Professional/Tech. Services	26	2.7	1	1.4
Management of Companies	7	0.7	0	0.0
Admin/Waste Services	115	12.1	5	7.1
Education	7	0.7	1	1.4
Health Care/Social Assistance	35	3.7	7	10.0
Arts/Entertainment/Recreation	18	1.9	1	1.4
Accommodation/Food Services	185	19.5	4	5.7
Other Services	21	2.2	1	1.4
Public Administration	--	--	0	0.0
Information not available	101	10.6	10	14.3
<b>Age</b>				
Under 22	12	1.3	1	1.4
22 to 24	27	2.8	4	5.7
25 to 34	192	20.2	16	22.9
35 to 44	208	21.9	15	21.4
45 to 54	232	24.4	15	21.4
55 to 64	226	23.8	15	21.4
65 and over	53	5.6	5	7.1



## 9.3.1

## CONTINUED

Characteristic	Maui/Lānaʻi Annual Average	Percent of Total	Molokaʻi Annual Average	Percent of Total
<b>Duration</b>				
1 to 4 weeks	375	39.5	30	42.9
5 to 14 weeks	343	36.1	23	32.9
15 and over	232	24.4	17	24.3
<b>Occupation</b>				
Management	85	8.9	2	2.9
Business/Finance	21	2.2	1	1.4
Computer/Math	10	1.1	--	--
Architecture/Engineer	11	1.2	1	1.4
Life/Physical/Social Science	7	0.7	1	1.4
Community/Social Services	10	1.1	1	1.4
Legal	3	0.3	0	0.0
Education/Training/Library	15	1.6	3	4.3
Arts/Entertainment/Sports	23	2.4	1	1.4
Health Practitioner/Tech.	13	1.4	1	1.4
Healthcare Support	6	0.6	2	2.9
Protective Services	6	0.6	1	1.4
Food Preparation/Serving	144	15.2	5	7.1
Building/Grounds Maintenance	46	4.8	3	4.3
Personal Care/Service	32	3.4	3	4.3
Sales	55	5.8	2	2.9
Office/Administrative Support	86	9.1	6	8.6
Farm/Fishing/Forestry	18	1.9	10	14.3
Construction	249	26.2	16	22.9
Installation/Repair	37	3.9	4	5.7
Production	18	1.9	1	1.4
Transportation/Moving	38	4.0	6	8.6
Information not available	16	1.7	1	1.4
<b>Ethnicity</b>				
American Indian	13	1.4	--	--
Chinese	7	0.7	--	--
Filipino	176	18.5	6	8.6
Japanese	33	3.5	1	1.4
Other Asian	11	1.2	0	0.0
Black	8	0.8	0	0.0
Hawaiian	187	19.7	44	62.9
Other Pacific Islander	38	4.0	2	2.9
White & Latino	333	35.1	7	10.0
Other	144	15.2	9	12.9
Information not available	2	0.2	0	0.0

Note: Averages and percentages may not add due to rounding.

SOURCE: HAWAII STATE DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS, RESEARCH AND STATISTICS OFFICE, CHARACTERISTICS OF THE INSURED UNEMPLOYED 2016.

## 9.3.2

## LABOR FORCE STATUS AND EMPLOYMENT CHARACTERISTICS MAUI COUNTY

Labor Force Status	2012	2013	2014	2015
<b>Persons 16 Years and Over</b>	<b>126,547</b>	<b>128,330</b>	<b>130,748</b>	<b>131,298</b>
In labor force	86,765	89,373	87,672	87,452
Civilian labor force	86,269	89,243	87,233	86,939
Employed	79,258	82,975	81,212	83,147
Unemployed	7,011	6,268	6,021	3,792
Armed forces	496	130	439	513
Not in labor force	39,782	38,957	43,076	43,846
<b>Males 16 Years and Over</b>	<b>63,232</b>	<b>64,430</b>	<b>65,053</b>	<b>65,915</b>
In labor force	44,551	46,438	46,666	46,085
Civilian labor force	44,193	46,415	46,227	45,572
Employed	40,151	42,759	42,469	44,008
Unemployed	4,042	3,656	3,758	1,564
Armed forces	357	23	439	513
Not in labor force	18,681	17,992	18,387	19,830
<b>Females 16 Years and Over</b>	<b>63,315</b>	<b>63,900</b>	<b>65,695</b>	<b>65,383</b>
In labor force	42,214	42,935	41,006	41,367
Civilian labor force	42,076	42,828	41,006	41,367
Employed	39,107	40,216	38,743	39,139
Unemployed	2,969	2,612	2,263	2,228
Armed forces	139	107	0	0
Not in labor force	21,101	20,965	24,689	24,016

SOURCE: U.S. CENSUS BUREAU, AMERICAN COMMUNITY SURVEY 1-YEAR ESTIMATES.

9.3.3

**LABOR FORCE STATUS  
BY CENSUS DESIGNATED PLACE (CDP), MAUI COUNTY**

2015	Total	Armed Forces	Not in Labor Force	Civilian Labor Force			% Unemployed
				Total	Employed	Unemployed	
<b>Maui Island</b>							
Haiku-Pauwela CDP	6,239	0	2,020	4,219	3,918	301	7.1%
Hāli'imaile CDP	963	3	283	677	619	58	8.6%
Hāna CDP	992	0	310	682	597	85	12.5%
Kā'anapali CDP	1,046	0	568	478	462	16	3.3%
Kahului CDP	22,802	0	7,954	14,848	13,524	1,324	8.9%
Kapalua CDP	285	0	167	118	111	7	5.9%
Kēōkea CDP	1,445	0	499	946	895	51	5.4%
Kīhei CDP	17,871	63	4,755	13,053	12,065	988	7.6%
Kula CDP	6,160	0	2,155	4,005	3,860	145	3.6%
Lahaina CDP	9,635	63	2,119	7,453	7,009	444	6.0%
Launiupoko CDP	435	0	110	325	308	17	5.2%
Ma'alaea CDP	284	0	166	118	117	1	0.8%
Mahinahina CDP	832	2	155	675	668	7	1.0%
Makawao CDP	4,985	6	1,599	3,380	3,130	250	7.4%
Mākena CDP	111	0	35	76	66	10	13.2%
Nāpili-Honokōwai CDP	5,572	32	1,453	4,087	3,934	153	3.7%
Olinda CDP	1,016	6	347	663	533	130	19.6%
Olowalu CDP	80	0	23	57	57	0	0.0%
Pā'ia CDP	2,133	6	586	1,541	1,489	52	3.4%
Pukalani CDP	6,288	0	1,693	4,595	4,407	188	4.1%
Waihe'e-Waiehū CDP	7,356	0	1,729	5,627	5,202	425	7.6%
Waikapū CDP	2,637	13	646	1,978	1,850	128	6.5%
Wailea CDP	4,869	9	2,164	2,696	2,626	70	2.6%
Wailuku CDP	12,779	45	4,315	8,419	7,772	647	7.7%
<b>Moloka'i</b>							
Kaunakakai CDP	2,663	0	1,191	1,472	1,402	70	4.8%
Kualapu'u CDP	1,472	3	580	889	781	108	12.1%
Maunaloa CDP	265	0	132	133	105	28	21.1%
Ualapu'e CDP	301	0	130	171	154	17	9.9%
<b>Lāna'i</b>							
Lāna'i City CDP	2,760	0	1,086	1,674	1,515	159	9.5%
Manele CDP	20	0	20	0	0	0	0.0%

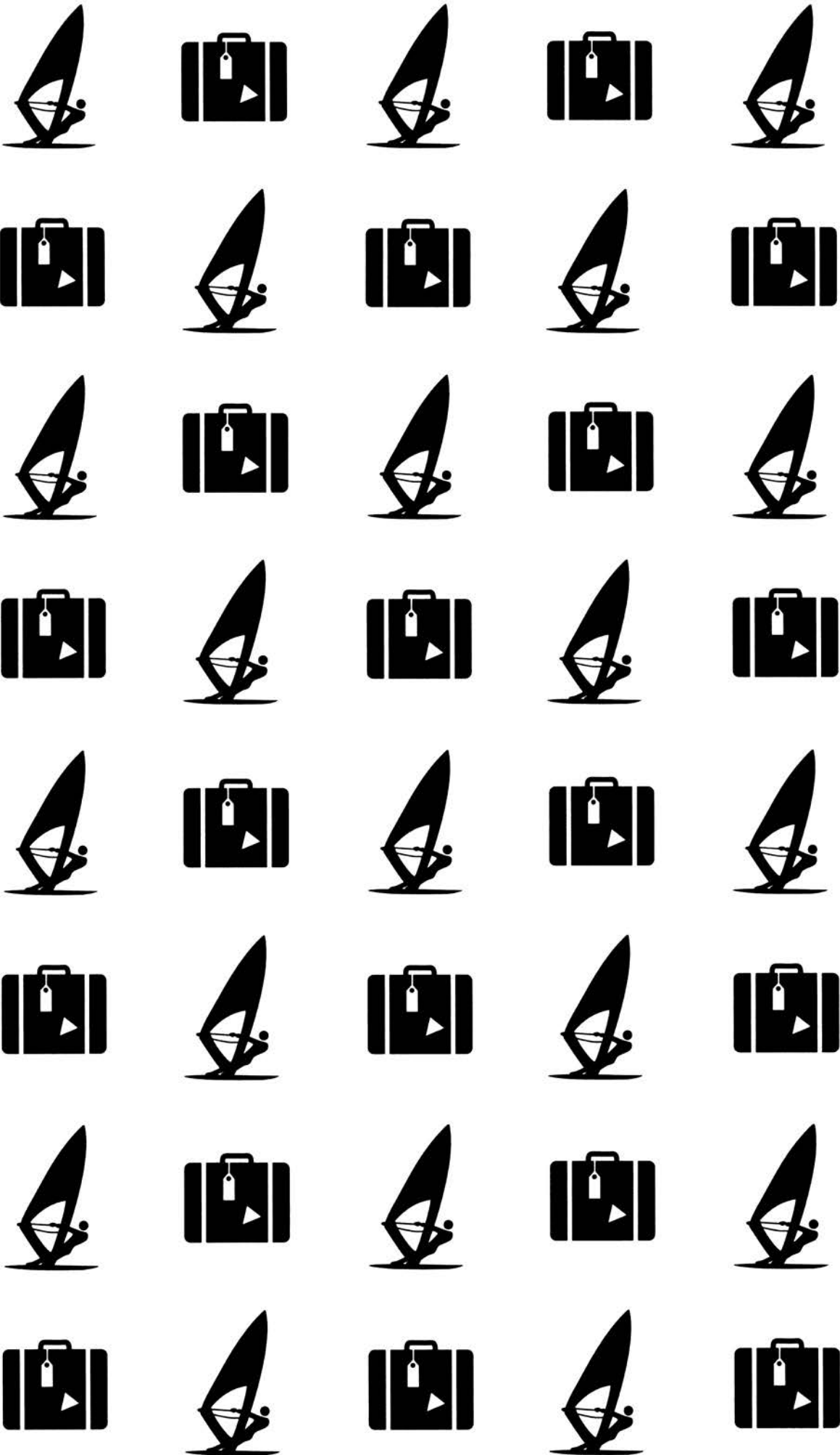
SOURCE: U.S. CENSUS BUREAU, AMERICAN COMMUNITY SURVEY 2011-2015 5-YEAR ESTIMATES.

9.3.4

**WORKERS' COMPENSATION STATISTICS  
MAUI COUNTY**

	2011	2012	2013	2014	2015
<b>Maui</b>					
Reported	2,740	2,885	2,762	2,817	2,816
Processed	5,222	5,049	5,332	5,239	5,679
With cost	3,880	3,544	3,907	3,705	4,080
Cost	\$29,981,637	\$27,064,371	\$30,305,143	\$30,983,819	\$35,527,485
Days lost	109,881	92,235	119,099	112,440	125,178
<b>Moloka'i</b>					
Reported	77	73	59	62	65
Processed	166	147	137	137	140
With cost	113	94	102	85	83
Cost	\$1,006,360	\$577,228	\$941,518	\$1,049,555	\$844,884
Days lost	4,401	2,509	4,875	4,416	2,601
<b>Lāna'i</b>					
Reported	89	101	98	130	98
Processed	148	158	158	207	195
With cost	72	97	114	153	153
Cost	\$544,632	\$627,604	\$670,754	\$2,755,433	\$2,284,220
Days lost	1,748	2,323	2,925	4,908	4,869
<b>Maui County</b>					
Reported	2,906	3,059	2,919	3,009	2,979
Processed	5,536	5,354	5,627	5,583	6,014
With cost	4,065	3,735	4,123	3,943	4,316
Cost	31,532,629	28,269,203	31,917,415	34,788,807	\$38,656,589
Days lost	116,030	97,067	126,899	121,764	132,648
Reported fatality	2	4	4	4	3

SOURCE: HAWAII STATE DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS, RESEARCH AND STATISTICS OFFICE,  
WORKERS' COMPENSATION DATA BOOK (ANNUAL).



# Visitor Industry & Recreation

## 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 Hawai'i Tourism Authority. They have assumed the collection and analysis of visitor data since 2009.

10.1.1

**VISITORS TO MAUI COUNTY BY MONTH**

*Arrivals by air*

<b>2015</b>	<b>Maui</b>	<b>Molokaʻi</b>	<b>Lānaʻi</b>	<b>Maui County</b>
<b>All Visitors</b>				
January	212,977	6,228	5,666	216,728
February	197,832	7,300	6,342	201,221
March	231,792	7,001	6,290	236,319
April	203,082	4,100	4,774	206,074
May	206,494	4,960	5,280	209,771
June	232,297	6,893	6,402	236,802
July	243,708	5,341	4,099	246,557
August	216,265	5,158	4,567	219,226
September	177,153	4,267	3,659	179,692
October	191,102	4,054	3,580	193,491
November	194,885	3,921	3,450	197,550
December	232,573	5,545	4,282	235,881
<b>Total</b>	<b>2,540,162</b>	<b>64,767</b>	<b>58,390</b>	<b>2,579,311</b>
<b>Domestic Visitors</b>				
January	159,066	5,083	4,452	162,303
February	153,182	6,136	5,036	156,299
March	183,414	5,698	5,216	187,198
April	166,580	3,309	3,784	169,035
May	177,419	4,099	4,180	180,332
June	203,803	4,232	3,613	206,446
July	209,067	4,094	3,548	211,651
August	182,674	3,399	3,101	184,846
September	149,506	2,971	2,537	151,390
October	162,577	3,387	2,910	164,694
November	154,218	3,043	2,585	156,339
December	182,492	4,393	3,371	185,401
<b>Total</b>	<b>2,083,999</b>	<b>49,843</b>	<b>44,334</b>	<b>2,115,934</b>
<b>International Visitors</b>				
January	53,911	1,144	1,214	54,425
February	44,650	1,164	1,307	44,921
March	48,378	1,303	1,073	49,122
April	36,502	791	990	37,038
May	29,075	861	1,100	29,439
June	28,494	2,661	2,789	30,356
July	34,641	1,247	550	34,906
August	33,592	1,759	1,466	34,380
September	27,647	1,296	1,122	28,301
October	28,526	667	670	28,797
November	40,668	878	865	41,211
December	50,081	1,152	911	50,481
<b>Total</b>	<b>456,163</b>	<b>14,924</b>	<b>14,057</b>	<b>463,377</b>

SOURCE: HAWAII TOURISM AUTHORITY.

10.1.2

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

*Arrivals by air*

	2011	2012	2013	2014	2015
<b>Length of Stay (days)</b>					
<b>All Visitors</b>					
Maui	8.09	8.08	8.17	8.25	8.19
Moloka'i	4.63	4.85	4.79	4.64	2.38
Lāna'i	3.52	3.62	3.49	3.32	1.86
<b>Domestic</b>					
Maui	8.23	8.22	8.49	8.55	8.42
Moloka'i	5.20	5.46	5.46	5.29	2.69
Lāna'i	3.87	3.94	3.95	3.65	2.05
<b>International</b>					
Maui	7.34	7.42	6.78	6.90	7.12
Moloka'i	2.45	2.67	2.54	2.16	1.49
Lāna'i	1.87	2.23	1.79	1.95	1.31
<b>Average Daily Census</b>					
<b>All Visitors</b>					
Maui	48,055	50,976	52,798	54,446	56,981
Moloka'i	704	707	725	758	784
Lāna'i	723	718	710	618	446
<b>Domestic</b>					
Maui	41,274	42,979	44,675	46,138	48,089
Moloka'i	628	623	638	685	699
Lāna'i	655	634	632	547	386
<b>International</b>					
Maui	6,781	7,997	8,124	8,308	8,893
Moloka'i	76	84	87	73	84
Lāna'i	67	84	78	71	60

SOURCE: HAWAII TOURISM AUTHORITY.



### 10.1.3

## AVERAGE DAILY VISITOR CENSUS BY COUNTY

*Average number of visitors present in each county on any given day  
Arrivals by air*

<b>Year</b>	<b>Maui</b>	<b>Hawai'i</b>	<b>Kaua'i</b>	<b>O'ahu</b>	<b>State</b>
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	41,795	21,811	17,046	79,545	160,195
2003	44,510	21,934	17,828	76,776	161,048
2004	45,517	23,376	18,869	83,718	171,481
2005	48,414	27,768	19,675	89,588	185,445
2006	51,034	28,336	20,903	89,167	189,441
2007	51,222	27,891	22,207	88,092	189,412
2008	46,038	24,842	19,855	81,751	172,487
2009	42,864	23,204	18,690	80,324	165,082
2010	47,421	24,773	19,548	86,207	177,949
2011	49,481	26,550	20,814	88,979	185,824
2012	52,401	28,559	22,318	97,989	201,267
2013	54,233	29,255	23,334	96,054	202,876
2014*	55,822	30,008	23,589	96,013	205,433
2015	58,211	31,408	24,533	99,782	213,934

\* Revised data

SOURCE: HAWAII TOURISM AUTHORITY.

### 10.1.4

## DOMESTIC VISITOR ARRIVALS FROM TOP U.S. CBSAS MAUI COUNTY

*Arrivals by air*

2015	Maui	Moloka'i	Lāna'i	County	State
Anchorage	14,404	728	286	14,954	51,243
Atlanta	15,684	318	383	15,899	44,191
Austin	10,850	270	265	11,000	28,676
Bakersfield	5,001	92	152	5,091	14,529
Baltimore	6,954	216	199	7,050	21,875
Bellingham	5,921	158	102	6,043	14,421
Boise	8,483	156	169	8,611	22,317
Boston	16,911	395	382	17,154	43,398
Bremerton	5,199	113	79	5,295	17,848
Charlotte	5,524	124	150	5,606	14,071
Chicago	49,909	1,068	1,154	50,496	111,094
Cincinnati	6,245	189	161	6,352	14,915
Cleveland	5,905	172	156	6,005	13,463
Colorado	4,823	189	157	4,943	17,036
Dallas	37,609	732	868	38,038	90,382
Denver	32,219	729	755	32,672	84,544
Detroit	13,350	328	296	13,517	30,116
Eugene	6,033	139	129	6,131	16,371
Fresno	7,611	120	136	7,698	20,589
Houston	24,793	607	637	25,161	69,660
Indianapolis	6,367	191	131	6,473	15,013
Kansas City	8,868	159	258	9,009	22,776
Las Vegas	18,741	502	493	19,149	67,200
Los Angeles	204,634	3,619	3,432	207,337	602,222
Miami	11,218	282	306	11,368	27,415
Minneapolis	23,140	563	532	23,465	57,246
Modesto	6,122	103	82	6,183	15,331
New York	61,008	1,569	1,485	61,926	152,180
Ogden	7,596	196	146	7,722	25,101
Olympia	5,740	129	115	5,856	16,062

**10.1.4**  
**CONTINUED**

<b>2015</b>	<b>Maui</b>	<b>Molokaʻi</b>	<b>Lānaʻi</b>	<b>County</b>	<b>State</b>
Orlando	5,950	168	193	6,050	16,237
Oxnard	17,129	267	272	17,337	45,926
Philadelphia	17,260	467	477	17,516	42,201
Phoenix	46,933	1,088	1,157	47,630	127,486
Pittsburgh	5,891	244	157	5,981	14,023
Portland	60,263	1,329	966	61,357	159,510
Provo	7,004	148	138	7,119	26,072
Reno	8,239	144	151	8,360	20,337
Riverside-San Bernardino	39,218	638	738	39,772	115,222
Sacramento	53,665	927	785	54,316	129,343
Salem	5,914	133	118	6,027	15,675
Salinas	5,450	136	118	5,567	15,658
Salt Lake City	17,231	312	356	17,479	50,953
San Antonio	6,354	192	182	6,484	22,158
San Diego	60,045	1,230	1,243	61,002	187,765
San Francisco	160,352	2,697	2,482	162,372	438,626
San Jose	70,769	1,144	998	71,446	180,272
San Luis	5,218	143	109	5,323	14,453
Santa Cruz	8,741	201	131	8,869	23,890
Santa Maria	6,613	143	136	6,726	20,388
Santa Rosa	13,781	283	214	13,984	33,386
Seattle	122,159	2,278	1,731	123,757	321,661
Spokane	9,427	231	172	9,578	23,556
St. Louis	9,879	247	272	10,044	24,418
Stockton	9,365	144	163	9,470	24,937
Tampa	5,850	174	193	5,952	16,977
Tucson	7,177	171	126	7,308	21,142
Vallejo	8,404	127	138	8,506	23,865
Virginia Beach	3,603	137	113	3,680	15,648
Washington D.C.	23,618	673	614	24,021	80,823

CBSA: Core Based Statistics Area

SOURCE: HAWAIIʻI TOURISM AUTHORITY AND U.S. CENSUS BUREAU.

## 10.1.5

### VISITOR ARRIVALS MAUI COUNTY

Year	International	Domestic	By Ship <sup>1</sup>	Total
1994	531,610	1,808,906	NA	2,340,516
1995	564,092	1,762,705	NA	2,326,797
1996	586,576	1,732,034	NA	2,318,610
1997	542,018	1,788,366	NA	2,330,384
1998	527,950	1,776,165	33,093	2,304,115
1999	480,471	1,866,531	41,840	2,347,002
2000	470,035	1,834,631	32,288	2,336,954
2001	418,518	1,685,960	41,288	2,145,766
2002	369,324	1,770,103	58,853	2,198,280
2003	296,273	1,900,174	43,514	2,239,961
2004	270,029	1,937,797	69,427	2,277,253
2005	265,749	2,080,731	43,514	2,389,994
2006	299,679	2,198,555	106,039	2,567,136
2007	297,230	2,224,813	125,331	2,638,809
2008	278,532	1,850,510	105,148	2,234,190
2009	243,909	1,688,448	95,056	2,027,413
2010	294,572	1,828,063	99,483	2,222,118
2011	342,427	1,868,986	121,382	2,332,795
2012	400,611	1,952,718	264,113	2,617,442
2013	442,842	1,958,891	275,066	2,676,799
2014*	445,057	2,011,878	228,992	2,456,935
2015	463,377	2,115,934	228,674	2,579,311

1. Visitor arrivals by ships until 2011. Visitor arrivals by ships and by air starting in 2012.

NA: Not available

\* Revised data

SOURCE: HAWAII TOURISM AUTHORITY.

## 10.1.6

## NATION OF RESIDENCE OF VISITORS TO MAUI COUNTY

*Arrivals by air*

2015	Maui	Molokaʻi	Lānaʻi
<b>Total</b>	<b>2,540,162</b>	<b>64,767</b>	<b>58,390</b>
<b>United States</b>	<b>1,910,653</b>	<b>45,141</b>	<b>40,149</b>
<b>Canada</b>	<b>260,290</b>	<b>4,714</b>	<b>4,006</b>
<b>Asia</b>	<b>137,075</b>	<b>4,827</b>	<b>3,721</b>
China	27,899	2,116	1,715
Hong Kong	1,180	82	98
Japan	58,941	1,967	1,301
Korea	43,891	419	533
Singapore	1,379	104	46
Taiwan	3,784	138	28
<b>Oceania</b>	<b>73,399</b>	<b>4,457</b>	<b>5,393</b>
Australia	61,936	3,149	4,478
New Zealand	11,463	1,307	915
<b>Europe</b>	<b>60,361</b>	<b>2,445</b>	<b>1,492</b>
United Kingdom	17,085	647	432
France	7,327	193	128
Germany	21,193	1,065	528
Italy	5,771	141	126
Switzerland	8,985	399	278
<b>Latin America</b>	<b>10,444</b>	<b>355</b>	<b>497</b>
Argentina	2,440	83	67
Brazil	4,369	171	94
Mexico	3,636	101	337
<b>Other</b>	<b>87,939</b>	<b>2,827</b>	<b>3,133</b>

SOURCE: HAWAII TOURISM AUTHORITY.

## 10.1.7

## TOTAL AIR SEATS OPERATED TO KAHULUI AIRPORT

	2012	2013	2014	2015
<b>TOTAL SEATS</b>	<b>1,782,041</b>	<b>1,843,928</b>	<b>1,982,552</b>	<b>2,271,354</b>
Scheduled	1,782,041	1,843,928	1,975,832	2,265,402
Charter	0	0	6,720	5,952
<b>DOMESTIC SEATS</b>	<b>1,613,642</b>	<b>1,671,934</b>	<b>1,804,396</b>	<b>2,069,804</b>
Scheduled Seats	1,613,642	1,671,934	1,797,676	2,063,852
Charter Seats	0	0	6,720	5,952
<b>US West</b>	<b>1,521,733</b>	<b>1,592,478</b>	<b>1,680,424</b>	<b>1,904,542</b>
Anchorage	10,676	10,519	10,512	10,921
Bellingham	7,366	36,044	19,797	14,507
Denver	25,292	29,040	37,973	30,797
Las Vegas	22,880	0	0	0
Los Angeles	521,084	528,679	583,813	590,630
Oakland	125,842	150,400	150,298	154,625
Orange County	248	0	0	0
Phoenix	103,834	100,103	107,540	114,512
Portland	83,607	92,203	96,959	101,875
Sacramento	67,824	57,305	58,757	59,495
San Diego	71,278	69,394	71,170	67,808
San Francisco	175,734	178,398	180,200	333,855
San Jose	113,882	149,100	150,046	154,030
Seattle	192,186	191,293	213,359	271,487
<b>US East</b>	<b>91,909</b>	<b>79,456</b>	<b>117,252</b>	<b>159,310</b>
Chicago	10,384	2,720	14,792	40,936
Dallas	81,525	76,736	102,460	118,374
<b>INTERNATIONAL SEATS</b>	<b>168,399</b>	<b>171,994</b>	<b>178,156</b>	<b>201,550</b>
<b>Canada</b>	<b>168,399</b>	<b>171,994</b>	<b>178,156</b>	<b>201,550</b>
Calgary	36,052	33,882	36,187	35,848
Edmonton	8,694	11,592	12,213	12,582
Toronto	0	0	0	35,792
Vancouver	123,653	126,250	129,756	117,328

SOURCE: HAWAII TOURISM AUTHORITY.

## 10.1.8

## HOTEL OCCUPANCY AND ROOM RATES MAUI ISLAND

Month, 2015	Occupancy	Average Daily Rate (\$)	Revenue per Available Room (\$)
January	76.1%	342.62	260.73
February	79.9%	347.55	277.69
March	79.3%	351.72	278.91
April	73.2%	313.61	229.56
May	71.6%	279.10	199.84
June	77.0%	310.11	238.78
July	75.4%	336.26	253.54
August	73.9%	311.61	230.28
September	68.4%	251.30	171.89
October	71.8%	253.99	182.36
November	72.4%	270.70	195.99
December	72.4%	403.18	291.90
<b>Total</b>	<b>74.5%</b>	<b>\$316.26</b>	<b>\$235.61</b>

SOURCE: HAWAII TOURISM AUTHORITY.

## 10.2.1

## CLASS OF VISITOR ACCOMMODATION UNITS BY ISLAND

	2012	2013	2014	2015	2016
<b>Maui</b>					
Budget (up to \$100)	4.2%	3.1%	3.1%	1.9%	1.6%
Standard (\$101 to \$250)	25.1%	24.3%	22.3%	19.2%	18.7%
Deluxe (\$251 to \$500)	23.1%	26.4%	27.3%	25.2%	23.4%
Luxury (over \$500 per night)	47.6%	46.2%	47.3%	53.8%	56.3%
<b>Moloka'i</b>					
Budget (up to \$100)	5.2%	6.3%	2.9%	6.2%	6.7%
Standard (\$101 to \$250)	88.2%	89.4%	92.8%	85.6%	88.9%
Deluxe (\$251 to \$500)	5.9%	3.5%	3.6%	8.2%	4.4%
Luxury (over \$500 per night)	0.7%	0.7%	0.7%	0.0%	0.0%
<b>Lāna'i</b>					
Budget (up to \$100)	1.1%	0.0%	0.0%	0.0%	0.0%
Standard (\$101 to \$250)	3.1%	4.2%	4.2%	4.5%	4.5%
Deluxe (\$251 to \$500)	43.4%	43.3%	43.3%	26.3%	26.3%
Luxury (over \$500 per night)	52.4%	52.4%	52.4%	69.2%	69.2%
<b>Hawai'i Island</b>					
Budget (up to \$100)	9.9%	8.5%	8.3%	9.9%	8.9%
Standard (\$101 to \$250)	28.1%	29.8%	28.1%	32.9%	27.0%
Deluxe (\$251 to \$500)	48.3%	42.6%	44.0%	36.5%	43.5%
Luxury (over \$500 per night)	13.7%	19.1%	19.6%	20.6%	20.6%
<b>Kaua'i</b>					
Budget (up to \$100)	7.7%	6.3%	7.2%	2.7%	2.1%
Standard (\$101 to \$250)	26.4%	19.6%	19.6%	33.7%	31.8%
Deluxe (\$251 to \$500)	40.5%	47.8%	44.7%	26.6%	29.7%
Luxury (over \$500 per night)	25.4%	26.3%	28.6%	37.0%	36.4%
<b>O'ahu</b>					
Budget (up to \$100)	7.1%	6.6%	6.6%	3.1%	2.8%
Standard (\$101 to \$250)	33.7%	26.3%	24.0%	32.2%	28.6%
Deluxe (\$251 to \$500)	40.7%	43.2%	46.6%	36.1%	39.2%
Luxury (over \$500 per night)	18.4%	23.9%	22.8%	28.6%	29.4%
<b>Statewide</b>					
Budget (up to \$100)	6.9%	6.0%	6.1%	3.8%	3.5%
Standard (\$101 to \$250)	29.9%	25.7%	23.8%	29.4%	26.4%
Deluxe (\$251 to \$500)	37.9%	39.8%	41.7%	32.6%	35.4%
Luxury (over \$500 per night)	25.2%	28.5%	28.4%	34.1%	34.6%

Note: Totals may not sum to 100% due to rounding.

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR PLANT INVENTORY.



10.2.2

**VISITOR PLANT INVENTORY  
BY ISLAND AND TYPE, MAUI COUNTY**

	2013		2014		2015		2016	
	Prop	Units	Prop	Units	Prop	Units	Prop	Units
<b>Maui</b>								
Apartment/Hotel	2	53	2	25	2	25	0	15
Bed & Breakfast	43	147	85	263	36	189	46	187
Condo Hotel	45	4,749	41	4,123	58	4,534	52	4,317
Hostel	2	32	3	48	3	53	3	48
Hotel	26	7,038	32	7,482	31	8,142	35	8,245
Individual Unit	304	3,342	147	3,385	602	4,773	376	5,469
Timeshare	18	2,796	17	2,845	25	3,227	22	3,160
Other	2	23	4	39	4	29	2	24
<b>Total</b>	<b>422</b>	<b>18,180</b>	<b>331</b>	<b>18,210</b>	<b>761</b>	<b>20,972</b>	<b>536</b>	<b>21,465</b>
<b>Moloka'i</b>								
Apartment/Hotel	1	20	1	20	0	0	0	0
Bed & Breakfast	2	2	2	2	1	1	1	1
Condo Hotel	2	100	2	73	2	73	2	73
Hostel	0	0	0	0	0	0	0	0
Hotel	0	0	0	0	0	0	0	0
Individual Unit	24	36	22	36	18	108	14	101
Timeshare	0	0	0	0	1	7	1	7
Other	0	0	0	0	0	0	0	0
<b>Total</b>	<b>29</b>	<b>158</b>	<b>27</b>	<b>131</b>	<b>22</b>	<b>189</b>	<b>18</b>	<b>182</b>
<b>Lāna'i</b>								
Apartment/Hotel	0	0	0	0	0	0	0	0
Bed & Breakfast	0	0	0	0	0	0	0	0
Condo Hotel	0	0	0	0	0	0	0	0
Hostel	0	0	0	0	0	0	0	0
Hotel	3	349	3	349	2	247	2	247
Individual Unit	1	4	1	4	1	5	2	5
Timeshare	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>353</b>	<b>4</b>	<b>353</b>	<b>3</b>	<b>252</b>	<b>4</b>	<b>252</b>

Prop: Number of properties

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR PLANT INVENTORY.

10.2.3

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

Area/Type, 2016	Properties	Units
<b>Hāna</b>		
Bed & Breakfast	3	8
Condo Hotel	1	18
Hotel	1	71
Individual Unit	6	20
Other	1	4
<b>Kahului-Wailuku</b>		
Apartment/Hotel	1	15
Bed & Breakfast	5	27
Hostel	3	48
Hotel	5	494
Individual Unit	4	16
<b>Kula-Makawao</b>		
Bed & Breakfast	15	54
Hotel	3	39
Individual Unit	3	14
<b>West Maui</b>		
Bed & Breakfast	9	52
Condo Hotel	27	2,689
Hotel	13	4,049
Individual Unit	117	2,192
Timeshare	13	2,626
Other	1	20
<b>Ma'alaea</b>		
Bed & Breakfast	1	4
Individual Unit	4	219
<b>Wailea-Kīhei</b>		
Bed & Breakfast	13	42
Condo Hotel	24	1,610
Hotel	13	3,592
Individual Unit	242	3,008
Timeshare	9	534

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR PLANT INVENTORY.

## 10.2.4

### VISITOR PLANT INVENTORY MAUI COUNTY

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Year	Available Units
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	18,303
2004	18,445
2005	19,220
2006	19,571
2007	19,879
2008	19,653
2009	20,151
2010	20,383
2011	21,745
2012	20,441
2013	18,691
2014	18,694
2015	21,413
2016	21,899

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NA: Not available

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR PLANT INVENTORY.

### 10.3.1

## DAILY EXPENDITURES PER PERSON BY ISLAND

*Arrivals by air*

2015	Maui	Moloka'i	Lāna'i	Hawai'i	Kaua'i	O'ahu
<b>Total Spending</b>	<b>\$197.56</b>	<b>\$117.98</b>	<b>\$263.33</b>	<b>\$160.37</b>	<b>\$172.87</b>	<b>\$202.26</b>
<b>Lodging</b>	<b>96.48</b>	<b>46.06</b>	<b>151.57</b>	<b>68.03</b>	<b>77.07</b>	<b>89.10</b>
<b>Total Food and Beverage</b>	<b>40.05</b>	<b>21.88</b>	<b>58.39</b>	<b>32.14</b>	<b>36.37</b>	<b>39.46</b>
Restaurants	25.45	10.45	49.82	21.01	22.45	26.42
Dinner shows and cruises	4.34	0.05	0.30	2.07	3.70	4.55
Groceries and snacks	10.26	11.38	8.27	9.06	10.22	8.48
<b>Entertainment &amp; Recreation</b>	<b>16.25</b>	<b>7.50</b>	<b>20.01</b>	<b>16.97</b>	<b>19.87</b>	<b>16.95</b>
<b>Total Transportation</b>	<b>19.64</b>	<b>31.96</b>	<b>14.87</b>	<b>23.84</b>	<b>19.43</b>	<b>14.71</b>
Interisland airfare	2.62	9.64	7.36	7.06	3.01	1.96
Ground transportation	0.60	0.95	1.99	0.48	0.37	1.93
Rental vehicles	15.30	19.93	5.12	14.55	15.09	9.71
Gasoline, parking, etc.	1.12	1.44	0.40	1.74	0.97	1.11
<b>Total Shopping</b>	<b>17.64</b>	<b>7.19</b>	<b>11.22</b>	<b>13.86</b>	<b>14.61</b>	<b>34.01</b>
Fashion and clothing	7.06	2.05	7.18	4.86	5.87	12.98
Jewelry and watches	3.54	0.81	0.80	1.80	2.70	4.18
Cosmetics, perfume	0.53	0.04	0.15	0.16	0.32	1.71
Leather goods	0.68	0.02	0.01	0.21	0.14	4.17
Hawai'i food products	2.00	2.03	1.33	3.08	2.04	3.35
Souvenirs	3.82	2.25	1.76	3.75	3.53	7.61
<b>All Other Expenses</b>	<b>7.51</b>	<b>3.38</b>	<b>7.26</b>	<b>5.54</b>	<b>5.53</b>	<b>8.03</b>

Note: Sums may not add up to total due to rounding.

SOURCE: HAWAII TOURISM AUTHORITY, ANNUAL VISITOR RESEARCH REPORT.

10.3.2

**CRUISE VISITOR PER PERSON PER DAY SPENDING  
BY ISLAND**

<b>2015</b>	<b>Maui</b>	<b>Hawai'i</b>	<b>Kaua'i</b>	<b>O'ahu</b>	<b>State</b>
<b>Total Spending</b>	<b>\$72.68</b>	<b>\$69.29</b>	<b>\$60.09</b>	<b>\$115.68</b>	<b>\$283.42</b>
<b>Lodging</b>	<b>9.60</b>	<b>8.39</b>	<b>8.07</b>	<b>37.21</b>	<b>18.62</b>
<b>Total Food and Beverage</b>	<b>8.81</b>	<b>6.75</b>	<b>5.48</b>	<b>20.05</b>	<b>11.61</b>
Restaurants	6.15	4.30	3.60	14.58	8.16
Dinner shows	1.06	0.42	0.88	2.40	1.34
Groceries and snacks	1.60	2.03	0.99	3.07	2.11
<b>Entertainment and Recreation</b>	<b>2.80</b>	<b>2.76</b>	<b>3.05</b>	<b>5.58</b>	<b>3.81</b>
<b>Shore Tour</b>	<b>23.08</b>	<b>27.15</b>	<b>26.35</b>	<b>15.92</b>	<b>22.19</b>
<b>Total Transportation</b>	<b>6.61</b>	<b>5.15</b>	<b>4.65</b>	<b>11.17</b>	<b>7.49</b>
Interisland airfare	1.27	1.22	1.07	1.83	1.43
Ground transportation	1.27	1.50	0.77	4.42	2.28
Rental car, moped	3.63	2.14	2.48	4.24	3.30
Other transportation	0.45	0.30	0.34	0.68	0.47
<b>Total Shopping</b>	<b>18.91</b>	<b>16.74</b>	<b>10.41</b>	<b>22.81</b>	<b>18.21</b>
Fashion and clothing	6.62	4.77	3.73	8.73	6.39
Jewelry and watches	5.08	3.17	2.34	5.58	4.28
Cosmetics, perfume	0.90	0.32	0.18	0.82	0.61
Leather goods	0.56	1.66	0.11	0.72	0.79
Hawai'i food products	1.40	2.39	1.02	2.26	1.87
Souvenirs	4.36	4.44	3.03	4.71	4.26
<b>All Other Spending Outside Ship</b>	<b>2.87</b>	<b>2.33</b>	<b>2.08</b>	<b>2.93</b>	<b>2.62</b>

SOURCE: HAWAII TOURISM AUTHORITY, ANNUAL VISITOR RESEARCH REPORT.

### 10.3.3

## SUMMARY VISITOR CHARACTERISTICS MAUI COUNTY

*Arrivals by air*

2015	Total	Domestic	International
<b>Islands Visited</b>			
O'ahu	755,705	496,157	259,548
Maui County	2,579,311	2,115,934	463,377
Maui	2,540,162	2,083,999	456,163
Moloka'i	64,767	49,843	14,924
Lāna'i	58,390	44,334	14,057
Kaua'i	312,060	248,339	63,721
Hawai'i Island	361,053	269,088	91,965
Hilo	215,178	152,071	63,107
Kona	303,470	226,900	76,570
Maui County Only	1,635,011	1,449,242	185,769
<b>Visit Status</b>			
First-Time	824,788	618,947	205,841
Repeat	1,754,522	1,496,987	257,535
Average Number of Trips	5.23	5.66	3.26
<b>Party Size</b>			
One	316,802	278,250	38,552
Two	1,166,454	947,158	219,296
Three or More	1,096,055	890,526	205,529
Average Party Size	2.21	2.18	2.35
<b>Accommodations</b>			
Hotel	1,419,474	1,132,112	287,362
Hotel Only	1,096,533	884,492	212,041
Condo	752,852	600,766	152,085
Condo Only	583,404	475,757	107,647
Timeshare	303,829	272,562	31,266
Timeshare Only	226,744	205,728	21,016
Rental House	167,193	140,170	27,023
Hostel	23,257	16,533	6,725
Camp Site	167,193	140,170	27,023
Bed & Breakfast	40,597	31,205	9,392
Cruise Ship	113,864	90,252	23,612
Friends or Relatives	163,475	142,251	21,225

SOURCE: HAWAII TOURISM AUTHORITY, ANNUAL VISITOR RESEARCH REPORT.

### 10.3.4

## SUMMARY VISITOR CHARACTERISTICS BY ISLAND, MAUI COUNTY

*Arrivals by air*

2015	Maui	Moloka'i	Lāna'i
<b>Islands Visited</b>			
O'ahu	736,286	38,100	32,452
Maui County	2,540,162	64,767	58,390
Maui	2,540,162	41,500	41,202
Moloka'i	41,500	64,767	16,951
Lāna'i	41,202	16,951	58,390
Kaua'i	305,784	19,452	20,566
Hawai'i Island	353,293	23,657	24,119
Hilo	211,890	17,700	18,089
Kona	297,134	21,236	22,109
Island only	1,597,116	7,726	5,591
<b>Visit Status</b>			
First-Time	812,728	22,882	23,205
Repeat	1,727,434	41,885	35,185
Average Number of Trips	5.21	5.59	4.83
<b>Party Size</b>			
One	308,697	12,380	9,206
Two	1,149,481	30,040	27,842
Three or More	1,081,983	22,347	21,342
Average Party Size	2.21	1.98	2.07
<b>Accommodations</b>			
Hotel	1,399,378	35,802	35,747
Hotel Only	1,081,306	22,231	25,328
Condo	744,982	15,554	11,239
Condo Only	578,015	9,551	7,658
Timeshare	300,679	5,678	5,189
Timeshare Only	224,556	3,100	3,297
Rental House	161,959	7,987	4,832
Hostel	22,822	1,588	1,173
Camp Site	17,833	1,554	1,158
Bed & Breakfast	39,806	2,569	1,666
Cruise Ship	113,306	5,987	6,428
Friends or Relatives	156,534	8,946	6,068

SOURCE: HAWAII' TOURISM AUTHORITY, ANNUAL VISITOR RESEARCH REPORT.

## 10.3.5

### TOTAL CRUISE PASSENGERS BY MMA MAUI COUNTY

	Visitors	US West	US East	Canada	Oceania <sup>1</sup>	Europe	Other	Hawai'i Residents	Total
<b>2015</b>									
Maui	228,674	58,572	91,830	27,810	23,414	10,653	16,395	3,702	232,376
Moloka'i	3,140	1,461	912	337	174	112	144	72	3,212
Lāna'i	4,858	2,041	1,612	365	331	183	326	59	4,917
<b>2014</b>									
Maui	228,992	62,528	86,832	32,208	17,353	9,731	20,340	4,241	233,233
Moloka'i	2,847	1,292	667	313	201	50	324	70	2,917
Lāna'i	4,593	2,106	896	316	493	217	565	72	4,665
<b>2013</b>									
Maui	275,066	84,739	106,692	34,878	18,764	10,032	19,962	3,569	278,635
Moloka'i	4,703	2,564	1,423	150	128	54	384	71	4,774
Lāna'i	6,673	3,752	1,657	455	199	133	477	21	6,694
<b>2012</b>									
Maui	264,113	82,078	102,211	35,892	16,136	10,375	17,421	3,193	267,306
Moloka'i	4,555	2,401	1,017	390	163	118	466	87	4,642
Lāna'i	6,700	3,282	1,834	524	211	155	695	95	6,795
<b>2011</b>									
Maui	234,671	75,000	97,322	28,465	NA	10,382	23,501	2,096	236,767
Moloka'i	3,044	1,417	805	402	NA	84	336	45	3,089
Lāna'i	4,471	2,157	1,205	454	NA	120	535	33	4,504
<b>2010</b>									
Maui	216,663	64,380	97,357	26,740	NA	11,563	16,624	1,912	218,575
Moloka'i	2,833	1,339	1,115	168	NA	43	168	51	2,885
Lāna'i	4,258	1,749	1,644	425	NA	131	309	23	4,280

1. Oceania includes Australia and New Zealand; this category began to be counted in 2012.  
MMA: Major Market Area

SOURCE: HAWAII TOURISM AUTHORITY, ANNUAL VISITOR RESEARCH REPORT.



10.3.6

**CRUISE AND PASSENGER SHIP SCHEDULE  
KAHULUI AND LAHAINA HARBORS**

	Ships Scheduled	
	2016	2017
<b>Kahului Harbor</b>		
January	6	1
February	2	4
March	2	4
April	4	7
May	4	4
June	3	4
July	5	5
August	4	4
September	4	5
October	5	7
November	4	4
December	4	7
<b>Total</b>	<b>47</b>	<b>56</b>
<b>Lahaina Small Boat Harbor</b>		
January	3	6
February	2	6
March	3	4
April	9	6
May	3	8
June	2	1
July	0	1
August	1	1
September	3	2
October	8	5
November	4	5
December	4	5
<b>Total</b>	<b>42</b>	<b>50</b>

Note: Schedules are tentative.

SOURCE: HAWAII STATE DEPARTMENT OF TRANSPORTATION, HARBORS DIVISION, MAUI PASSENGER AND CRUISE VESSELS SCHEDULE;  
HAWAII STATE DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF BOATING & OCEAN RECREATION, SCHEDULE  
OF PASSENGER/CRUISE VESSELS; HAWAII.PORTCALL.COM

## 10.4.1

## ACTIVITY PARTICIPATION BY VISITOR CATEGORY, MAUI ISLAND

2015	US West	US East	Japan	Canada
<b>All Sightseeing</b>	<b>91.8%</b>	<b>93.7%</b>	<b>67.3%</b>	<b>95.5%</b>
Self-guided / drive around island	83.8%	76.7%	31.9%	85.0%
Helicopter / airplane tour	4.7%	8.1%	0.9%	5.1%
Boat / submarine tour, whale watching	31.2%	32.5%	9.8%	29.7%
Visit communities	28.6%	25.3%	10.5%	32.8%
Limo, van / bus tour	6.2%	18.0%	29.8%	9.8%
Scenic views / natural landmarks	59.5%	68.3%	22.0%	69.9%
Movie / TV film location	1.0%	1.5%	1.7%	1.5%
<b>All Recreation</b>	<b>90.3%</b>	<b>89.5%</b>	<b>44.8%</b>	<b>93.0%</b>
Beach / sunbathing / swimming	82.7%	78.0%	29.1%	88.1%
Surfing / bodyboarding / paddleboarding	24.4%	16.5%	4.7%	29.5%
Canoeing / kayaking	6.0%	5.2%	1.3%	4.5%
Snorkeling / scuba diving	48.2%	38.3%	8.8%	52.5%
Jet skiing / parasailing / windsurfing	3.9%	3.5%	1.7%	2.3%
Golf	11.1%	8.8%	5.8%	9.4%
Running / jogging / fitness walking	39.4%	33.0%	8.4%	39.3%
Spa	12.8%	10.9%	0.0%	7.9%
Backpacking / hiking / camping	15.3%	18.6%	1.7%	19.5%
Agritourism	9.8%	11.0%	4.3%	8.2%
Sports event / tournament	1.6%	1.0%	0.9%	1.7%
State parks / botanical gardens	39.6%	48.2%	16.9%	47.6%
<b>All Entertainment</b>	<b>92.2%</b>	<b>88.9%</b>	<b>45.3%</b>	<b>93.4%</b>
Lunch / sunset / dinner / evening cruise	28.2%	31.1%	21.3%	25.0%
Live music / stage show	29.1%	37.9%	5.4%	30.8%
Nightclub / dancing / bar / karaoke	9.6%	9.3%	1.6%	9.4%
Fine dining	60.6%	60.2%	9.6%	52.5%
Family restaurant / diner	66.8%	57.8%	10.9%	66.9%
Fast food	34.1%	26.0%	18.8%	44.4%
Café / coffee house	42.1%	32.6%	16.6%	44.9%
Ethnic dining	27.2%	24.9%	6.4%	23.5%
Prepared own meal	59.3%	38.1%	16.1%	68.4%
<b>All Shopping</b>	<b>90.9%</b>	<b>89.7%</b>	<b>50.3%</b>	<b>93.0%</b>
Mall / department stores	46.7%	41.1%	20.2%	57.4%
Designer boutiques	32.2%	27.3%	3.1%	33.3%
Hotel stores	33.9%	33.6%	10.1%	26.6%
Swap meet / flea market	19.2%	12.3%	6.5%	22.4%
Discount / outlet stores	26.1%	20.0%	16.2%	27.5%
Supermarkets	68.5%	53.2%	31.4%	70.7%
Farmers market	31.6%	21.9%	5.1%	36.5%
Convenience stores	46.1%	41.7%	18.2%	52.2%
Duty free stores	2.8%	3.1%	0.9%	6.7%
Local shops / artisans	70.5%	68.2%	19.3%	70.3%
<b>All Culture</b>	<b>62.1%</b>	<b>67.3%</b>	<b>15.9%</b>	<b>62.3%</b>
Historic military site	3.2%	3.6%	1.3%	3.9%
Other historic site	27.7%	27.7%	7.4%	26.1%
Museum / art gallery	28.3%	22.3%	3.4%	22.7%
Luau	22.6%	35.7%	1.3%	25.7%
Polynesian show / hula	11.4%	19.6%	5.9%	14.0%
Lessons, hula / canoeing	2.4%	2.8%	0.5%	3.1%
Ukulele lessons	1.6%	1.3%	0.0%	1.4%
Play / concert / theatre	6.1%	5.7%	0.5%	6.3%
Art / craft fair	17.8%	13.9%	1.3%	14.3%
Festivals	3.7%	2.4%	0.5%	1.8%
<b>All Transportation</b>	<b>88.3%</b>	<b>89.5%</b>	<b>72.1%</b>	<b>93.1%</b>
Airport shuttle	20.9%	21.0%	7.1%	25.8%
Trolley	2.0%	2.4%	3.5%	2.8%
Public bus	2.9%	3.2%	4.2%	6.4%
Tour bus / tour van	7.2%	22.1%	33.0%	11.4%
Taxi / limousine	5.8%	8.0%	9.8%	10.8%
Rental car	82.5%	73.8%	28.1%	81.8%
<b>Meeting</b>	<b>6.8%</b>	<b>5.2%</b>	<b>0.9%</b>	<b>3.0%</b>
<b>Convention</b>	<b>2.3%</b>	<b>3.9%</b>	<b>1.3%</b>	<b>2.3%</b>

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR SATISFACTION AND ACTIVITY REPORT.

## 10.4.2

### EXCELLENT SATISFACTION RATINGS BY ISLAND U.S. AND JAPAN VISITORS

	Maui	Moloka'i	Lāna'i	Hawai'i	Kaua'i	O'ahu
<b>U.S. Visitors</b>						
2011	75.8%	62.1%	74.4%	67.5%	77.3%	62.2%
2012	66.2%	58.6%	65.0%	62.3%	70.4%	56.9%
2013	67.1%	55.6%	60.5%	63.3%	69.4%	56.9%
2014	69.5%	61.3%	60.4%	60.9%	72.0%	54.0%
2015	70.6%	56.2%	55.5%	59.7%	74.0%	57.2%
<b>Japan Visitors</b>						
2011	57.1%	28.3%	42.6%	62.0%	53.5%	62.7%
2012	57.9%	26.6%	48.8%	60.1%	55.8%	57.6%
2013	52.3%	56.4%	36.3%	60.4%	49.7%	57.3%
2014	57.4%	20.4%	26.4%	61.2%	47.6%	56.2%
2015	56.6%	39.9%	30.8%	52.0%	49.9%	56.6%

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR SATISFACTION AND ACTIVITY REPORT.

## 10.4.3

### OVERALL ISLAND EXPERIENCE BY MMA AND ISLAND MAUI COUNTY

2015	US Total	US West	US East	Japan	Canada
<b>Maui</b>					
Excellent	70.6%	68.2%	74.7%	56.6%	67.1%
Above Average	26.7%	29.0%	22.8%	36.1%	31.1%
Below Average	2.4%	2.3%	2.4%	3.4%	1.7%
Poor	0.3%	0.5%	0.1%	3.9%	0.1%
<b>Moloka'i</b>					
Excellent	56.2%	51.3%	62.8%	39.9%	41.9%
Above Average	34.3%	39.8%	27.1%	28.3%	45.1%
Below Average	6.3%	4.7%	8.4%	6.1%	11.6%
Poor	3.1%	4.2%	1.6%	25.7%	1.4%
<b>Lāna'i</b>					
Excellent	55.5%	51.7%	60.2%	30.8%	50.3%
Above Average	39.4%	44.6%	33.0%	32.8%	44.2%
Below Average	5.1%	3.7%	6.8%	6.3%	4.1%
Poor	0.0%	0.0%	0.0%	30.1%	1.4%

MMA: Major Market Area

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR SATISFACTION AND ACTIVITY REPORT.

## 10.4.4

## VISITATION DECISION TIMETABLE MAUI COUNTY

Visitors, 2015	More than 1 year	10 to 12 months	7 to 9 months	4 to 6 months	1 to 3 months	Less than 1 month
<b>U.S. West</b>						
Decide to take vacation/pleasure trip	3.8%	22.3%	10.4%	35.7%	25.0%	2.8%
Decide to visit Hawai'i	4.0%	22.8%	9.9%	33.7%	25.8%	3.7%
Decide on which islands to visit	3.0%	19.9%	10.5%	34.4%	28.7%	3.5%
Set date for the trip	1.5%	15.8%	10.2%	34.3%	34.0%	4.2%
Make airline reservations	0.4%	5.6%	9.2%	36.6%	43.3%	4.8%
Purchase tickets	0.4%	5.4%	8.7%	36.5%	44.1%	4.9%
Make accommodation reservations	1.4%	12.1%	10.1%	30.9%	40.0%	5.4%
Make rental car reservations	0.2%	4.7%	6.1%	25.1%	56.5%	7.3%
Purchase tour or attraction packages	0.0%	2.0%	3.5%	16.9%	57.1%	20.6%
<b>U.S. East</b>						
Decide to take vacation/pleasure trip	6.8%	27.9%	12.1%	30.3%	20.6%	2.4%
Decide to visit Hawai'i	6.9%	25.0%	12.8%	31.4%	20.7%	3.2%
Decide on which islands to visit	4.5%	20.8%	13.1%	32.0%	26.1%	3.5%
Set date for the trip	2.3%	18.4%	12.7%	34.4%	28.3%	3.8%
Make airline reservations	0.3%	7.9%	12.1%	36.7%	38.1%	4.8%
Purchase tickets	0.3%	7.3%	12.1%	35.9%	39.5%	4.9%
Make accommodation reservations	1.5%	13.2%	12.5%	33.0%	34.8%	5.0%
Make rental car reservations	0.4%	4.1%	7.8%	28.8%	51.3%	7.6%
Purchase tour or attraction packages	0.4%	3.3%	3.7%	18.7%	59.4%	14.5%
<b>Canada</b>						
Decide to take vacation/pleasure trip	5.3%	24.9%	11.2%	33.0%	23.3%	2.4%
Decide to visit Hawai'i	5.2%	23.0%	10.5%	32.2%	26.2%	2.8%
Decide on which islands to visit	3.6%	19.1%	11.7%	32.5%	29.9%	3.2%
Set date for the trip	2.6%	17.9%	11.1%	32.0%	33.1%	3.4%
Make airline reservations	0.3%	7.9%	10.8%	35.3%	41.8%	3.9%
Purchase tickets	0.4%	7.5%	10.8%	34.9%	42.3%	4.1%
Make accommodation reservations	1.5%	13.3%	10.6%	30.2%	39.2%	5.1%
Make rental car reservations	0.2%	5.5%	5.7%	25.8%	55.3%	7.5%
Purchase tour or attraction packages	0.5%	3.2%	1.6%	11.6%	61.1%	22.0%
<b>Japan</b>						
Decide to take vacation/pleasure trip	1.4%	15.5%	5.7%	33.4%	39.7%	4.2%
Decide to visit Hawai'i	1.4%	15.3%	6.0%	32.1%	41.1%	4.1%
Decide on which islands to visit	1.2%	12.8%	5.9%	32.3%	43.3%	4.6%
Set date for the trip	0.6%	9.2%	6.1%	30.7%	47.9%	5.5%
Make airline reservations	0.5%	7.3%	5.6%	27.1%	53.2%	6.3%
Purchase tickets	0.3%	4.8%	5.2%	25.0%	57.0%	7.6%
Make accommodation reservations	0.3%	7.1%	6.0%	25.9%	54.3%	6.4%
Make rental car reservations	0.6%	1.7%	2.2%	12.9%	63.8%	18.8%
Purchase tour or attraction packages	0.3%	0.9%	1.3%	11.4%	67.9%	18.1%

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR SATISFACTION AND ACTIVITY REPORT.

## 10.4.5

### VISITORS BY INCOME LEVEL AND MMA MAUI COUNTY

Income <sup>1</sup>	US West	US East	Canada
Under \$40,000	4.8%	4.4%	5.6%
\$40,000 to \$50,000	4.3%	4.1%	4.8%
\$50,000 to \$60,000	5.0%	4.9%	4.9%
\$60,000 to \$70,000	5.4%	5.5%	4.3%
\$70,000 to \$80,000	5.1%	5.5%	6.4%
\$80,000 to \$90,000	7.4%	6.3%	6.9%
\$90,000 to \$100,000	7.9%	6.5%	9.8%
\$100,000 to \$125,000	14.9%	16.2%	17.3%
\$125,000 to \$150,000	9.9%	8.7%	11.2%
\$150,000 to \$175,000	7.9%	9.6%	6.5%
\$175,000 to \$200,000	5.8%	6.7%	5.3%
\$200,000 to \$250,000	6.7%	7.2%	5.3%
\$250,000 or more	14.8%	14.4%	11.6%

Income <sup>1</sup>	Europe	Oceania
Under \$40,000	16.3%	7.7%
\$40,000 to \$50,000	7.6%	6.1%
\$50,000 to \$60,000	8.3%	7.6%
\$60,000 to \$70,000	9.0%	7.9%
\$70,000 to \$80,000	7.0%	6.2%
\$80,000 to \$90,000	7.2%	7.0%
\$90,000 to \$100,000	5.9%	5.8%
\$100,000 to \$125,000	12.6%	13.9%
\$125,000 to \$150,000	7.0%	11.7%
\$150,000 to \$175,000	5.5%	6.9%
\$175,000 to \$200,000	3.4%	3.9%
\$200,000 to \$250,000	4.5%	3.9%
\$250,000 or more	5.6%	11.5%

1. All in U.S. dollars.

MMA: Major Market Area

SOURCE: HAWAII TOURISM AUTHORITY, VISITOR SATISFACTION AND ACTIVITY REPORT.

10.5.1

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

<b>Attraction</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>Maui</b>			
Alexander & Baldwin Sugar Museum	36,680	34,899	34,370
Aquarium Maui / Maui Ocean Center	312,577	284,514	300,964*
Haleakala National Park	785,300	1,142,040	1,216,772
Haleki'i-Pihana Heiaus State Monument	NA	NA	NA
Hāna Cultural Center	NA	NA	NA
Īao Valley State Monument	NA	NA	NA
Kula Botanical Garden	34,275	NA	NA
Lahaina Restoration Foundation	27,075	23,098	20,648
Baldwin Missionary Home Museum	14,463	13,390	11,170
Hale Pa'i Printing House	12,259	490	479
Wo Hing Temple Museum	353	9,218	8,999
Maui Historical Society Bailey House Museum	10,732	10,860	11,807
Whalers Village Museum	202,700	184,700	203,595
<b>Moloka'i</b>			
Kalaupapa National Historical Park	101,112	67,210	67,891
Kalaupapa Settlement	NA	NA	NA

\* From the List of most-visited attractions ranked by number of visitors in 2015. Source: Pacific Business News, Book of Lists (2016), Vol. 54, No. 52, (December 23, 2016), p. 162.

NA: Not available

SOURCE: HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM, RESEARCH AND ECONOMIC ANALYSIS DIVISION, STATE OF HAWAII DATA BOOK.

## 10.5.2

### NATIONAL AND STATE HISTORIC SITES MAUI COUNTY

2012	Maui	Kaho'olawe	Lāna'i	Moloka'i
Listed Hawai'i Register only	83	0	0	41
Listed National Register only	13	1	0	10
Listed both Hawai'i and National Register	67	0	2	40
Eligible for National Register <sup>1</sup>	2	0	0	2
<b>Total Sites</b>	<b>165</b>	<b>1</b>	<b>2</b>	<b>93</b>

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.

## 10.5.3

### NATIONAL, STATE, AND COUNTY PARKS MAUI COUNTY

	2011	2012	2013	2014	2015
<b>National Parks</b>					
Number	2	2	2	2	2
Acreage	44,001	44,043	44,043	44,043	44,043
Visits	1,014,830	1,153,543	886,412	1,209,250	1,284,663
<b>State Parks and Historic Sites</b>					
Number	11	11	11	10	10
Acreage	561.7	561.7	561.7	560.2	560.2
<b>County Parks</b>					
Number	135	139	143	144	146
Acreage	1,720	1,801	1,977	2,152	2,177

SOURCE: U.S. DEPARTMENT OF THE INTERIOR, NATIONAL PARK SERVICE, PACIFIC ISLANDS SUPPORT OFFICE; HAWAII STATE DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF STATE PARKS; COUNTY PARKS AND RECREATION DEPARTMENTS. COMPILED BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM.

10.5.4

**COMMUNITY CENTERS  
MAUI COUNTY**

<b>Name</b>	<b>Location</b>	<b>Maximum Capacity</b>	<b>Tables</b>	<b>Chairs</b>	<b>Kitchen</b>	<b>Public Parking</b>
Eddie Tam Memorial	Makawao	380	35	390	yes	39
Ha'ikū	Ha'ikū	272	40	242	yes	48
Hāli'imaile Annex	Hāli'imaile	60	9	58	yes	2
Hāna	Hāna	140	25	114	yes	Unmarked
Helene Hall	Hāna	304	24	240	no	20
Kahului	Kahului	200	8	64	yes	30
Kalama Park Extension	Kīhei	250	12	12	yes	Unmarked
Kenolio	Kīhei	175	13	62	yes	64
Kēōkea	Kula	108	11	80	yes	37
Kīhei	Kīhei	600	38	30	yes	149
Kilohana	Kaunakakai	150	5	20	yes	20
Kualapu'u	Kualapu'u	97	9	72	yes	100
Kula	Kula	180	61	134	yes	64
Lahaina Civic Center	Lahaina	322	23	322	yes	150
Lāna'i	Lāna'i City	200	26	100	yes	64
Maunaloa	Maunaloa	170	25	170	yes	Unmarked
Mayor Hannibal Tavares	Pukalani	755	50	506	yes	141
Mitchell Pau'ole	Kaunakakai	246	22	160	yes	21
Old Kalama Park Pavilion	Kīhei	80	12	0	no	79
Pā'ia	Pā'ia	324	29	221	yes	37
Waikapū	Waikapu	100	8	80	yes	8
Wailuku	Wailuku	500	8	96	yes	84

SOURCE: COUNTY OF MAUI, DEPARTMENT OF PARKS AND RECREATION.



10.5.5

**SEATING CAPACITIES OF SELECTED FACILITIES  
MAUI COUNTY**

<b>Facility</b>	<b>Capacity</b>
<b>Stadiums, Auditoriums, and Gymnasiums</b>	
War Memorial Complex	
Track & Football Stadium	20,000
Gym	2,892
Baseball Stadium	1,200
Kamehameha School Stadium	2,200
Maui High Gym	2,000
Kamahameha High School Gym	1,800
Baldwin High Auditorium	1,183
Kamehameha Middle School Gym	700
Wailuku Gym	600
Seabury Hall Gym	400
<b>Civic Centers and Theaters</b>	
Maui Arts & Cultural Center	
Amphitheater	4,000
Castle Theater	1,200
Gallery	400
Theater Stage	400
McCoy Theater	248
Community Hall	230
Classroom C	16
Lahaina Civic Center Convention Hall	2,400
Maui Theatre	680
Īao Theater	400
UH Maui College Student Center Lounge	100
Maui Academy of Performing Arts	60
<b>Churches</b>	
First Assembly of God Maui (Pu'unene 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
First Assembly of God Maui (Moloka'i)	200
Makawao Union Church Hall	200
St. John Episcopal Church	200
Īao Congegational	175
Īao Congegational Hall	100
St. John Episcopal Church Hall	100

SOURCE: OFFICIALS OF THE FACILITIES.

## 10.6.1

### DOG LICENSES ISSUED BY ISLAND

Year	State Total	Maui <sup>1</sup>	Moloka'i	Lana'i	Hawai'i	Kaua'i	O'ahu
1993	27,586	2,427	46	26	4,006	1,000	20,081
1994	29,010	3,171	57	26	4,099	2,172	19,485
1995	28,442	1,446	48	82	4,911	1,925	20,030
1996	30,376	699	58	32	5,381	2,961	21,245
1997	28,395	1,378	80	33	5,871	1,320	19,713
1998	28,645	649	83	35	5,777	2,240	19,861
1999	32,137	4,473	84	29	6,311	1,201	20,039
2000	31,147	4,587	25	57	5,627	785	20,066
2001	31,068	4,285	NA	NA	5,919	2,103	18,761
2002	30,909	4,420	30	50	6,809	1,848	17,752
2003	29,519	2,901	47	12	6,786	3,100	16,673
2004	50,180	3,977	30	25	8,085	1,942	36,121
2005	53,415	4,621	30	24	10,454	2,648	35,638
2006	50,440	4,282	27	17	8,836	2,115	35,163
2007	50,403	4,997	27	9	6,504	3,900	34,966
2008	50,919	7,009	32	16	6,186	2,547	35,129
2009	52,623	5,039	36	25	7,881	4,513	35,129
2010	51,072	4,683	61	65	7,353	4,113	34,797
2011	49,763	4,880	24	22	6,647	4,454	33,736
2012	NA	4,042	NA	NA	6,205	2,664	32,892
2013	39,227	3,978	26	54	6,292	3,709	32,970
2014*	NA	4,034	NA	NA	7,050	1,595	32,474
2015*	NA	3,701	NA	NA	7,399	4,369	30,983

1. For the years 1995-1998, the number of registrations issued by the Maui Humane Society was not included in the count.

\* Revised data.

NA: Not available.

SOURCE: COMPILED BY THE HAWAII STATE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM; MAUI HUMANE SOCIETY.

10.6.2

**ANIMAL ACQUISITIONS AND DISPOSITIONS  
MAUI HUMANE SOCIETY**

	FY 2014-2015				FY 2015-2016		
	Dogs	Cats	Feral Cats	Other	Dogs	Cats	Other
<b>Area</b>							
Lahaina	219	265	245	27	214	418	25
Kīhei	246	375	298	154	238	670	235
Makawao	223	251	191	157	208	368	255
Kahului	307	463	320	158	345	713	248
Kula	145	121	113	36	139	290	72
Wailuku	319	481	402	121	362	721	172
Pā'ia	62	115	54	20	34	102	13
Ha'ikū	205	195	92	114	184	264	51
Hāna	90	36	32	3	72	40	0
Lāna'i	65	55	20	9	9	2	1
Moloka'i					1	0	0
Left at shelter	315	276	137	98	329	413	136
<b>Total</b>	<b>2,196</b>	<b>2,633</b>	<b>1,904</b>	<b>897</b>	<b>2,135</b>	<b>4,001</b>	<b>1,208</b>
<b>Intakes</b>							
Strays	1,404	1,897	1,700	585	1,427	3,241	981
Owner turn ins	788	735	205	303	690	748	226
Born here	6	0	0	9	18	12	1
<b>Total Live Intakes</b>	<b>2,198</b>	<b>2,632</b>	<b>1,905</b>	<b>897</b>	<b>2,135</b>	<b>4,001</b>	<b>1,208</b>
Dead on arrival	95	411	3	5	38	291	20
Owner requested euthanasia	142	86	4	6	170	84	12
<b>Total Intakes</b>	<b>2,435</b>	<b>3,129</b>	<b>1,912</b>	<b>908</b>	<b>2,343</b>	<b>4,376</b>	<b>1,240</b>
<b>Live Release</b>							
Reclaim by owner	542	265	6	18	633	337	19
Adopted	814	876	0	204	719	921	207
Transferred	410	33	0	27	483	66	28
<b>Total</b>	<b>1,766</b>	<b>1,174</b>	<b>6</b>	<b>249</b>	<b>1,835</b>	<b>1,324</b>	<b>254</b>
<b>Dispositions</b>							
Missing in action	8	15	3	14	1	16	0
Died at shelter	3	23	0	4	10	19	11
Euthanized unhealthy	175	674	1,892	522	215	1,618	875
Euthanized treatable	225	758	0	65	112	658	35
Euthanized healthy	0	5	0	31	0	5	21
<b>Total Euthanized</b>	<b>400</b>	<b>1,437</b>	<b>1,892</b>	<b>618</b>	<b>327</b>	<b>2,281</b>	<b>931</b>

SOURCE: MAUI HUMANE SOCIETY.

### 10.6.3

## MAUI HUMANE SOCIETY CALL SLIPS AND CITATIONS ISSUED

Call Slips	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Leash Law	1,145	973	773	581
No Tax	242	0	111	60
Barking	74	45	156	188
Cruelty/Neglect	483	493	869	581
Yard Inspection	0	1	4	1
Injured Animals	119	119	179	154
Injured Wild Life	3	8	2	1
Large Animal Trespass	6	9	10	NA
Spay/Neuter Reclaims	NA	NA	NA	NA
Abandonment	52	22	49	31
Dangerous Dog Recheck	44	65	66	19
Dog to Dog Bites	59	69	53	57
Dog to Human Bites	63	68	62	57
Dog to Other Bites	32	46	44	28
Ongoing Investigation	NA	1,080	1,080	389
Pickup/Deliver/Misc.	810	918	542	461
Stray Dog Pick Up	429	438	768	524
Dead on Arrival	656	645	556	50
Stray Cat Pick Up	1,371	1,214	469	125
Owned Animal Pick Up	56	52	12	5
Pick Up Police Reports, License	180	14	NA	NA
Other Animal Pick Up	3	0	3	1
Wild Life Pick Up	1	0	0	NA
Wild Life Transfer	1	0	0	NA
Preventative Patrols	764	1,909	1,727	3,879
Personal Assist	276	360	837	856
<b>Total</b>	<b>6,869</b>	<b>8,548</b>	<b>8,372</b>	<b>8,048</b>

FY 2015-16	Upcountry	Hāna	Kahului	Wailuku	Lahaina	Kīhei
Leash Law	41	0	8	23	15	16
No Tax	1	0	0	2	0	0
Inhumane Manner	7	0	0	4	3	3
Cruelty	2	0	0	0	1	0
Aggressive Dog	20	0	2	7	10	6
Dangerous Dog Non Compliance	16	0	0	0	0	0
Interference	0	0	0	0	0	0
Abandonment	0	0	0	0	0	0
Livestock At Large	1	0	0	0	0	0
<b>Total</b>	<b>72</b>	<b>0</b>	<b>10</b>	<b>36</b>	<b>29</b>	<b>25</b>

NA: Not available

SOURCE: MAUI HUMANE SOCIETY.



# Domestic Trade

## Section 11

### DOMESTIC TRADE

This final section covers data on manufacturers, 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 Jim Falk Automotive Group with 330 employees, and sales of \$402 million in 2015.

## 11.1.1

## MANUFACTURING MAUI COUNTY AND STATE OF HAWAI'I

2012	Maui County		State of Hawai'i	
	All	Food	All	Food
<b>Number of establishments</b>	<b>99</b>	<b>34</b>	<b>796</b>	<b>240</b>
20 employees or more	7	3	126	48
<b>All employees</b>	<b>997</b>	<b>607</b>	<b>11,440</b>	<b>4,796</b>
Annual payroll (\$1,000)	41,107	23,170	465,024	155,511
<b>Production workers</b>	<b>623</b>	<b>362</b>	<b>7,396</b>	<b>3,122</b>
Hours (1,000)	1,261	786	13,640	5,646
Wages (\$1,000)	25,641	14,000	257,974	86,992
<b>Value added (\$1,000)</b>	<b>172,964</b>	<b>120,292</b>	<b>1,101,021</b>	<b>533,962</b>
<b>Total cost of materials (\$1,000)</b>	<b>104,138</b>	<b>72,361</b>	<b>6,740,826</b>	<b>541,091</b>
<b>Total value of shipments (\$1,000)</b>	<b>D</b>	<b>194,348</b>	<b>D</b>	<b>1,079,586</b>
<b>Total capital expenditures (\$1,000)</b>	<b>12,318</b>	<b>10,608</b>	<b>108,404</b>	<b>27,689</b>

D: Data withheld to avoid disclosing data for individual companies; data are included in higher level totals

SOURCE: U.S. CENSUS BUREAU, 2012 ECONOMIC CENSUS.

## 11.1.2

### INDUSTRIAL AND RESEARCH PARKS MAUI COUNTY

2013	State Total	Maui	Moloka'i
Number of parks	25	5	1
Total acres	4,907.2	701.3	16.5
Developed acres	3,021.7	251.3	NA
Number of tenants	691	20	NA
Number of owners	408	90	NA

	Location	Total Acreage	Developed	Tenants	Owners
Maui Research and Technology Park	Kihei	430	40	20	10
Maui Business Park II	Kahului	179	122	NA	NA
Wailuku Industrial Park	Wailuku	34	34	NA	80
Lahaina Business Park	Lahaina	33	30	NA	NA
Molokai Industrial Park	Kaunakakai	16.5	NA	NA	NA

SOURCE: HAWAII STATE DATA BOOK 2014; PACIFIC BUSINESS NEWS, BOOK OF LISTS (2014) VOL. 51, No. 43 (DECEMBER 20, 2013), P. 76.



11.2.1

**GENERAL EXCISE TAX BASE, MAUI COUNTY**

	2011	2012	2013	2014	2015	2016
Retailing	1,893,801,300	1,967,334,775	1,884,142,625	1,837,209,175	1,856,498,225	1,654,676,975
Services	832,008,100	870,113,025	894,327,625	962,630,575	1,022,536,950	994,537,025
Contracting	485,970,550	584,092,725	603,158,925	662,255,275	747,761,100	801,753,300
Theater, Amusement, Radio	17,360,650	19,169,350	17,563,175	14,639,350	16,686,025	19,008,275
Interest	23,300	29,325	30,075	16,275	12,700	NA
Commissions	130,396,875	132,802,675	150,842,525	157,432,650	158,065,475	155,660,350
Hotel Rentals	537,060,650	521,309,225	517,916,900	442,081,650	391,458,950	374,253,300
All Other Rentals	367,036,025	367,632,475	368,320,475	390,790,600	453,676,025	424,663,375
Use (4%)	19,509,825	18,642,025	13,397,450	13,474,200	15,075,975	23,057,275
All Others (4%)	129,785,700	123,253,850	128,713,725	118,138,025	108,408,675	99,698,200*
<b>SUB-TOTAL</b>	<b>4,412,952,975</b>	<b>4,604,379,450</b>	<b>4,578,413,500</b>	<b>4,598,667,775</b>	<b>4,770,180,100</b>	<b>4,547,308,075</b>
Insurance Solicitors	12,576,666	12,704,001	9,889,333	12,266,667	11,032,666	12,531,333
Sugar Processing	0	0	0	0	0	NA
Pineapple Canning	0	0	0	0	0	NA
Producing	31,013,400	29,610,600	29,086,600	25,855,600	26,157,600	19,779,800
Manufacturing	26,109,800	34,223,400	34,453,200	33,170,400	42,598,400	37,928,600
Wholesaling	428,979,400	457,636,400	470,972,000	464,085,000	463,741,800	407,245,000
Services (Intermediary)	74,552,000	83,847,000	70,324,400	72,190,200	74,669,400	73,635,800
Use (1/2%)	514,710,400	426,603,200	424,074,800	402,538,800	349,976,200	221,583,600
<b>SUB-TOTAL</b>	<b>1,087,941,666</b>	<b>1,044,624,601</b>	<b>1,038,800,333</b>	<b>1,010,106,667</b>	<b>968,176,066</b>	<b>772,704,133</b>
<b>GRAND TOTAL</b>	<b>5,500,894,641</b>	<b>5,649,004,051</b>	<b>5,617,213,833</b>	<b>5,608,774,442</b>	<b>5,738,356,166</b>	<b>5,320,012,208</b>

\* Interest and All Others

SOURCE: HAWAII STATE DEPARTMENT OF TAXATION, GENERAL EXCISE AND USE TAX BASE, CALENDAR YEARS.

## 11.2.2

## RETAIL ESTABLISHMENTS WITH EMPLOYEES BY TYPE AND LOCATION, 2015

Establishment Type	Location	Number	Location	Number	Location	Number
<b>Motor Vehicles &amp; Parts</b>	Kahului	23	Pukalani	1	Kaunakakai	2
	Kīhei	3	Pu'unēnē	1		
	Lahaina	2	Wailuku	9		
<b>Furniture &amp; Home Furnishings</b>	Ha'ikū	2	Kula	1	Pā'ia	1
	Kahului	16	Lahaina	5	Wailuku	2
	Kīhei	3	Makawao	1		
<b>Electronics &amp; Appliances</b>	Kahului	9	Lahaina	2	Lāna'i City	1
	Kīhei	4	Wailuku	1		
<b>Building Material &amp; Garden Equipment &amp; Supplies</b>	Ha'ikū	1	Lahaina	5	Ho'olehua	1
	Kahului	19	Makawao	3	Lāna'i City	1
	Kīhei	2	Pu'unēnē	1		
	Kula	1	Wailuku	5		
<b>Food &amp; Beverage</b>	Ha'ikū	4	Lahaina	25	Kaunakakai	4
	Hāna	1	Makawao	4	Kualapu'u	1
	Kahului	18	Pā'ia	3	Maunaloa	1
	Kīhei	10	Wailuku	11	Lāna'i City	1
	Kula	1				
<b>Health &amp; Personal Care</b>	Ha'ikū	1	Kula	1	Pā'ia	1
	Kahului	14	Lahaina	16	Wailuku	6
	Kīhei	8	Makawao	2	Kaunakakai	1
<b>Gasoline Stations</b>	Kahului	11	Lahaina	8	Wailuku	4
	Kīhei	6	Makawao	3	Kaunakakai	1
	Kula	1	Pā'ia	3	Lāna'i City	1

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11.2.2

CONTINUED

Establishment Type	Location	Number	Location	Number	Location	Number
<b>Clothing &amp; Clothing Accessories</b>	Ha'ikū	2	Lahaina	121	Kaunakakai	2
	Hāna	1	Makawao	7	Lāna'i City	1
	Kahului	38	Pā'ia	14		
	Kīhei	55	Wailuku	5		
<b>Sporting Goods, Hobby, Musical Instruments &amp; Books</b>	Kahului	18	Lahaina	11	Wailuku	5
	Kīhei	8	Pā'ia	2	Kalaupapa	1
<b>General Merchandise</b>	Kahului	9	Makawao	1	Kaunakakai	2
	Lahaina	2			Lāna'i City	1
<b>Miscellaneous</b>	Haiku	1	Kula	4	Wailuku	12
	Hāna	2	Lahaina	60	Kaunakakai	3
	Kahului	15	Makawao	6	Kualapu'u	1
	Kīhei	20	Pā'ia	7	Lāna'i City	1
<b>Nonstore Retailers</b>	Ha'ikū	6	Lahaina	3	Kaunakakai	1
	Kahului	4	Makawao	3	Lāna'i City	1
	Kīhei	6	Paia	1		
	Kula	3	Wailuku	6		

SOURCE: U.S. CENSUS BUREAU, 2015 ZIP CODE BUSINESS PATTERNS.

### 11.2.3

## CHARACTERISTICS OF MAJOR SHOPPING CENTERS MAUI COUNTY

Shopping Center	Location	Year Opened/ Last Renovated	Gross Leasable Area	Number of Units
Queen Ka'ahumanu Center	Kahului	1972/2005	571,225	110
Maui Marketplace	Kahului	1997	317,000	26
Maui Mall	Kahului	1971/1995	182,000	40
The Shops at Wailea	Wailea	2000	160,000	80
Pi'ilani Shopping Center	Kihei	2000	150,000	30
The Outlets of Maui	Lahaina	1990	147,000	38
Lahaina Gateway	Lahaina	2008	137,000	23
Azeka Shopping Center	Kihei	1978	135,645	51
Wailuku Shopping Center	Wailuku	NA	134,557	NA
Lahaina Cannery Mall	Lahaina	1987/1999	130,599	50
Whalers Village	Lahaina	1970/2017	110,700	90
Maui Lani Shopping Center	Wailuku	2013	103,249	NA
Old Lahaina Center	Lahaina	1964	88,000	33
Lahaina Shopping Center	Lahaina	1995	77,000	21
Kahana Gateway	Lahaina	1990	58,902	NA
Marketplace at Lahaina	Lahaina	1974	56,165	46
West Maui Center	Lahaina	NA	54,425	NA
Wailuku Town Center	Wailuku	NA	52,946	9
Lahaina Square	Lahaina	1973	52,000	25
The Wharf	Lahaina	1978/1987	50,000	40
Lipoa Center	Kihei	1989/1991	45,199	10
Kukui Mall	Kihei	1987	40,974	15
Nāpili Plaza	Lahaina	NA	40,058	26
Kihei Town Center	Kihei	NA	36,892	8
Wailea Gateway Center	Wailea	2012	35,000	22
Fairway Shops	Kā'anapali	NA	34,980	21

NA: Not available

SOURCE: NATIONAL RESEARCH BUREAU, DATABASE SUPPLIED TO CLARITAS INC.; SHOPPING CENTERS WEBSITES; LOOPNET.

11.2.4

**SUMMARY OF RETAIL TRADE  
WITH EMPLOYEES BY BUSINESS GROUP  
MAUI COUNTY**

NAICS	2015	Businesses	Number of Employees	1st Quarter Payroll (\$1,000)	Annual Payroll (\$1,000)
44-45	Retail Trade	776	9,774	73,639	301,010
4411--	Automobile dealers	15	453	6,363	28,613
4412--	Other motor vehicle dealers	2	b	D	D
4413--	Auto parts, accessories, & tire stores	24	243	2,021	8,563
4421--	Furniture stores	14	61	652	2,910
4422--	Home furnishings stores	17	153	1,040	4,888
4431--	Electronics & appliance stores	17	97	672	2,771
4441--	Building material & supplies dealers	30	644	5,297	20,388
4442--	Lawn & garden equipment & supplies stores	8	56	432	2,000
4451--	Grocery stores	67	2,115	16,450	67,475
4452--	Specialty food stores	13	81	558	2,508
4453--	Beer, wine & liquor stores	5	13	61	286
4461--	Health & personal care stores	51	662	5,289	21,542
4471--	Gasoline stations	38	473	4,161	16,890
4481--	Clothing stores	163	1,413	5,506	22,478
4482--	Shoe stores	18	103	491	1,993
4483--	Jewelry, luggage, & leather good stores	68	308	3,208	11,810
4511--	Sporting goods, hobby & music instr. stores	41	368	1,878	7,581
4512--	Book stores & news dealers	3	b	D	D
4521--	Department stores	5	863	6,033	23,113
4529--	Other general merchandise stores	10	e	D	D
4531--	Florists	9	30	135	623
4532--	Office supplies, stationery, & gift stores	68	432	2,306	9,609
4533--	Used merchandise stores	9	96	476	1,985
4539--	Other miscellaneous store retailers	47	418	4,136	16,849
4541--	Electronic shopping & mail order houses	11	41	428	1,657
4542--	Vending machine operators	1	a	D	D
4543--	Direct selling establishments	22	83	683	2,821

a: 0 to 19 employees

b: 20 to 99 employees

e: 250 to 499 employees

D: Withheld to avoid disclosing data for individual companies; data are included in higher level totals

NAICS: North American Industry Classification System

SOURCE: U.S. CENSUS BUREAU, 2015 COUNTY BUSINESS PATTERNS.

## 11.2.5

## RETAIL STORES BY NUMBER OF EMPLOYEES AND ZIP CODE AREA, MAUI COUNTY

2015	Total Stores	Number of Employees					
		1-4	5-9	10-19	20-49	50-99	100-499
<b>Maui Island</b>							
Hai'kū	16	11	1	3	1	0	0
Hāna	4	4	0	0	0	0	0
Kahului	194	51	50	47	29	6	11
Kīhei	125	49	47	18	7	3	1
Kula	12	8	2	2	0	0	0
Lahaina	260	91	110	35	19	4	1
Makawao	30	15	8	4	0	2	1
Pā'ia	32	18	11	2	0	0	1
Pukalani	1	0	1	0	0	0	0
Pu'unēnē	2	2	0	0	0	0	0
Wailuku	66	36	17	7	1	4	1
<b>Moloka'i</b>							
Ho'olehua	1	0	1	0	0	0	0
Kalaupapa	1	0	1	0	0	0	0
Kaunakakai	16	5	5	3	3	0	0
Kualapu'u	2	1	0	0	1	0	0
Maunaloa	1	0	1	0	0	0	0
<b>Lāna'i</b>							
Lāna'i City	8	5	1	1	1	0	0

SOURCE: U.S. CENSUS BUREAU, 2015 ZIP CODE BUSINESS PATTERNS.

11.2.6

**COMMERCIAL LEASE RENTS  
MAUI ISLAND**

Location	Range per Square Foot per Month		
	Retail	Office	Industrial
<b>West Maui</b>			
Lahaina			
Front Street	\$1.25 to \$19.00	NA	NA
Wainee Street	\$1.50 to \$3.00	\$1.50	NA
Shopping Centers	\$1.50 to \$3.50	\$1.50 to \$3.50	NA
Industrial Area	NA	NA	\$1.50
<b>Central Maui</b>			
Kahului	\$1.20 to \$3.75	\$0.75 to \$2.25	\$0.80 to \$1.50
Wailuku	\$1.50 to \$4.00	\$1.00 to \$3.00	\$0.90 to \$1.55
<b>South Maui</b>			
Kīhei	\$2.00 to \$9.00	\$1.00 to \$3.38	\$1.35 to \$1.40
Wailea	\$4.50 to \$7.50	NA	NA
<b>Upcountry</b>			
Haiku	\$0.50 to \$2.50	NA	NA
Makawao	\$2.75	\$1.50	NA
Paia	\$0.33 to \$10.00	NA	NA

SOURCE: CURRENT PROPERTY LISTINGS ON LOOPNET.COM AS OF APRIL 5, 2017.

## 11.3.1

## CHARACTERISTICS OF BUSINESS ESTABLISHMENTS WITH EMPLOYEES BY SECTOR, MAUI COUNTY

Industry, 2015	Total Establishments	Employees	Annual Payroll (\$1,000)
<b>Agriculture, Forestry, Fishing &amp; Hunting</b>	<b>2</b>	<b>b</b>	<b>D</b>
<b>Mining</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Utilities</b>	<b>15</b>	<b>467</b>	<b>41,173</b>
<b>Construction</b>	<b>481</b>	<b>3,250</b>	<b>209,169</b>
Construction of buildings	163	826	49,056
Heavy & civil engineering construction	21	155	10,445
Specialty trade contractors	297	2,269	149,668
<b>Manufacturing</b>	<b>117</b>	<b>1,157</b>	<b>45,102</b>
Food manufacturing	37	693	21,497
Beverage & tobacco product manufacturing	4	69	2,067
Textile product mills	3	13	385
Apparel manufacturing	6	9	234
Wood product manufacturing	3	a	D
Printing & related support activities	9	42	1,765
Chemical manufacturing	6	31	1,291
Plastics & rubber products manufacturing	1	a	D
Nonmetallic mineral product manufacturing	11	172	10,782
Fabricated metal product manufacturing	4	13	1,178
Machinery manufacturing	1	b	D
Computer & electronic product manufacturing	1	a	D
Furniture & related product manufacturing	8	15	470
Miscellaneous manufacturing	23	41	1,469
<b>Wholesale Trade</b>	<b>162</b>	<b>1,318</b>	<b>64,357</b>
Merchant wholesalers, durable goods	58	371	18,196
Merchant wholesalers, nondurable goods	88	912	44,876
Wholesale electronic markets & agents & brokers	16	35	1,285
<b>Retail Trade</b>	<b>776</b>	<b>9,774</b>	<b>301,010</b>
Motor vehicle & parts dealers	41	742	39,293
Furniture & home furnishings stores	31	214	7,798
Electronics & appliance stores	17	97	2,771
Bldg material & garden equipment & supplies	38	700	22,388
Food & beverage stores	85	2,209	70,269
Health & personal care stores	51	662	21,542
Gasoline stations	38	473	16,890
Clothing & clothing accessories stores	249	1,824	36,281
Sporting goods, hobby, music instr. & books	44	414	8,409
General merchandise stores	15	1,337	41,782
Miscellaneous store retailers	133	976	29,066
Nonstore retailers	34	126	4,521
<b>Transportation &amp; Warehousing</b>	<b>153</b>	<b>3,168</b>	<b>111,317</b>
Air transportation	17	658	22,787
Water transportation	2	b	D
Truck transportation	29	447	23,526
Transit & ground passenger transportation	16	256	5,499
Scenic & sightseeing transportation	55	1,144	36,534

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11.3.1  
CONTINUED

Industry, 2015	Total Establishments	Employees	Annual Payroll (\$1,000)
Support activities for transportation	18	396	10,578
Couriers & messengers	12	162	6,534
Warehousing & storage	4	39	1,923
<b>Information</b>	<b>64</b>	<b>597</b>	<b>31,436</b>
Publishing industries (except Internet)	21	155	7,308
Motion picture & sound recording industries	9	70	1,448
Broadcasting (except Internet)	6	60	2,228
Telecommunications	20	284	18,604
Data processing, hosting & related services	5	18	907
Other information services	3	a	D
<b>Finance &amp; Insurance</b>	<b>149</b>	<b>900</b>	<b>42,204</b>
Credit intermediation & related activities	83	595	25,932
Securities, commodity contracts, investments	21	58	6,243
Insurance carriers & related activities	44	247	10,025
<b>Real Estate &amp; Rental &amp; Leasing</b>	<b>323</b>	<b>2,129</b>	<b>97,483</b>
Real estate	234	1,203	64,593
Rental & leasing services	89	926	32,890
<b>Professional, Scientific, &amp; Technical Services</b>	<b>413</b>	<b>1,512</b>	<b>85,221</b>
<b>Management of Companies &amp; Enterprises</b>	<b>9</b>	<b>67</b>	<b>4,106</b>
<b>Administrative Support &amp; Waste Management</b>	<b>296</b>	<b>4,081</b>	<b>124,106</b>
Administrative & support services	281	3,881	118,672
Waste management & remediation services	15	200	5,434
<b>Educational Services</b>	<b>69</b>	<b>804</b>	<b>25,599</b>
<b>Health Care &amp; Social Assistance</b>	<b>410</b>	<b>6,189</b>	<b>330,766</b>
Ambulatory health care services	300	2,668	175,629
Hospitals	2	g	D
Nursing & residential care facilities	16	742	27,168
Social assistance	92	1,372	34,634
<b>Arts, Entertainment, &amp; Recreation</b>	<b>128</b>	<b>2,068</b>	<b>55,198</b>
Performing arts, spectator sports, & related	50	803	21,725
Museums, historical sites, & similar institutions	12	152	4,647
Amusement, gambling, & recreation industries	66	1,113	28,826
<b>Accommodation &amp; Food Services</b>	<b>518</b>	<b>21,718</b>	<b>738,794</b>
Accommodation	87	11,403	501,271
Food services & drinking places	431	10,315	237,523
<b>Other Services (except Public Administration)</b>	<b>458</b>	<b>2,768</b>	<b>82,410</b>
Repair & maintenance	85	348	12,983
Personal & laundry services	96	842	20,968
Religious, grantmaking, civic, professional orgs	277	1,578	48,459
<b>Industries not Classified</b>	<b>2</b>	<b>a</b>	<b>D</b>
<b>Total for All Sectors</b>	<b>4,545</b>	<b>61,991</b>	<b>2,389,725</b>

a: 0 to 19 employees    b: 20 to 99 employees    c: 100 to 249 employees

e: 250 to 499 employees    f: 500 to 999 employees    g: 1,000 to 2,499 employees

D: Withheld to avoid disclosing data for individual companies; data are included in higher level totals

SOURCE: U.S. CENSUS BUREAU, 2015 COUNTY BUSINESS PATTERNS.

## 11.3.2

## CHARACTERISTICS OF BUSINESS ESTABLISHMENTS BY SECTOR FOR NONEMPLOYERS, MAUI COUNTY

Industry, 2015	Establishments with Employees	Nonemployer Establishments	Annual Receipts (\$1,000)
<b>Agriculture, Forestry, Fishing &amp; Hunting</b>	<b>2</b>	<b>250</b>	<b>6,315</b>
<b>Mining</b>	<b>0</b>	<b>5</b>	<b>542</b>
<b>Utilities</b>	<b>15</b>	<b>45</b>	<b>3,476</b>
<b>Construction</b>	<b>481</b>	<b>1,395</b>	<b>100,621</b>
Construction of buildings	163	403	36,573
Heavy & civil engineering construction	21	18	2,761
Specialty trade contractors	297	974	61,287
<b>Manufacturing</b>	<b>117</b>	<b>398</b>	<b>17,015</b>
Food manufacturing	37	61	2,949
Beverage & tobacco product manufacturing	4	D	D
Textile product mills	3	D	D
Apparel manufacturing	6	41	1,105
Wood product manufacturing	3	39	1,578
Printing & related support activities	9	15	1,663
Chemical manufacturing	6	10	1,037
Plastics & rubber products manufacturing	1	D	D
Nonmetallic mineral product manufacturing	11	16	369
Primary metal manufacturing	N	3	53
Fabricated metal product manufacturing	4	10	371
Machinery manufacturing	1	5	133
Computer & electronic product manufacturing	1	4	56
Furniture & related product manufacturing	8	22	551
Miscellaneous manufacturing	23	158	5,612
<b>Wholesale Trade</b>	<b>162</b>	<b>393</b>	<b>25,413</b>
Merchant wholesalers, durable goods	58	173	8,468
Merchant wholesalers, nondurable goods	88	183	14,116
Wholesale electronic markets & agents & brokers	16	37	2,829
<b>Retail Trade</b>	<b>776</b>	<b>1,293</b>	<b>67,791</b>
Motor vehicle & parts dealers	41	46	1,839
Furniture & home furnishings stores	31	28	3,490
Electronics & appliance stores	17	7	544
Bldg material & garden equipment & supplies	38	17	1,722
Food & beverage stores	85	54	5,613
Health & personal care stores	51	90	3,374
Gasoline stations	38	D	D
Clothing & clothing accessories stores	249	193	10,290
Sporting goods, hobby, musical instr. & books	44	52	3,137
General merchandise stores	15	18	952
Miscellaneous store retailers	133	224	18,858
Nonstore retailers	34	561	17,240
<b>Transportation &amp; Warehousing</b>	<b>153</b>	<b>414</b>	<b>12,213</b>
Air transportation	17	6	153
Water transportation	2	16	504
Truck transportation	29	39	2,586

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## 11.3.2

## CONTINUED

Industry, 2015	Establishments with Employees	Nonemployer Establishments	Annual Receipts (\$1,000)
Transit & ground passenger transportation	16	258	6,243
Scenic & sightseeing transportation	55	31	764
Support activities for transportation	18	31	910
Couriers & messengers	12	29	837
Warehousing & storage	4	4	216
<b>Information</b>	<b>64</b>	<b>174</b>	<b>6,436</b>
Publishing industries (except Internet)	21	43	1,575
Motion picture & sound recording industries	9	75	3,002
Broadcasting (except Internet)	6	12	240
Telecommunications	20	7	795
Data processing, hosting & related services	5	12	201
Other information services	3	25	623
<b>Finance &amp; Insurance</b>	<b>149</b>	<b>272</b>	<b>12,943</b>
Credit intermediation & related activities	83	19	979
Securities, commodity contracts, investments	21	97	5,451
Insurance carriers & related activities	44	156	6,513
<b>Real Estate &amp; Rental &amp; Leasing</b>	<b>323</b>	<b>1,904</b>	<b>166,686</b>
Real estate	234	1,809	160,799
Rental & leasing services	89	92	5,782
Lessors of nonfinancial intangible assets	N	3	105
<b>Professional, Scientific, &amp; Technical Services</b>	<b>413</b>	<b>2,157</b>	<b>87,384</b>
<b>Management of Companies &amp; Enterprises</b>	<b>9</b>	<b>N</b>	<b>N</b>
<b>Administrative, Support &amp; Waste Management</b>	<b>296</b>	<b>1,745</b>	<b>54,128</b>
Administrative & support services	281	1,738	53,746
Waste management & remediation services	15	7	382
<b>Educational Services</b>	<b>69</b>	<b>357</b>	<b>7,930</b>
<b>Health Care &amp; Social Assistance</b>	<b>410</b>	<b>1,006</b>	<b>42,007</b>
Ambulatory health care services	300	736	34,493
Hospitals	2	N	N
Nursing & residential care facilities	16	32	1,083
Social assistance	92	238	6,431
<b>Arts, Entertainment, &amp; Recreation</b>	<b>128</b>	<b>1,266</b>	<b>53,109</b>
Performing arts, spectator sports, & related	50	1,021	28,566
Museums, historical sites, & similar institutions	12	4	52
Amusement, gambling, & recreation industries	66	241	24,491
<b>Accommodation &amp; Food Services</b>	<b>518</b>	<b>378</b>	<b>27,761</b>
Accommodation	87	112	8,429
Food services & drinking places	431	266	19,332
<b>Other Services (except Public Administration)</b>	<b>458</b>	<b>2,722</b>	<b>96,728</b>
Repair & maintenance	85	651	27,678
Personal & laundry services	96	1,979	67,737
Religious, grantmaking, civic, professional orgs	277	92	1,313
<b>Total for All Sectors</b>	<b>4,545</b>	<b>16,174</b>	<b>788,498</b>

D: Withheld to avoid disclosing data of individual companies; data are included in higher totals. N: Not available or not comparable.

SOURCE: U.S. CENSUS BUREAU, 2015 NONEMPLOYER STATISTICS.

### 11.3.3

## LARGEST COMPANIES AND NONPROFITS MAUI COUNTY

Company	State Rank		Sales (\$million)		Employees
	2016	2015	2015	2014	
Jim Falk Automotive Group	23	23	402	363.1	330
Grand Wailea	50	N/A	187	N/A	N/A
Four Seasons Resort Maui at Wailea	55	56	159	152.6	700
Hawaii Petroleum Inc.	58	48	152.9	186.8	235
Dorvin D. Leis Co., Inc.	63	81	137	96.9	477
VIP Foodservice	86	87	92.6	88.0	182
Haleakala Solar Inc.	148	151	42	35.6	150
Maui Medical Group Inc.	151	149	40	36.6	281
Hale Makua Health Services	166	158	33.4	33.1	409
Maui Land & Pineapple Co. Inc.	202	160	23	33.0	17
MKC Hawaii	213	N/A	20.3	N/A	24
Maui Clothing Co. Inc.	216	214	19.1	19.5	298
Maui Economic Opportunity Inc.	224	215	17.5	19.3	237
Wailea Golf LLC	241	238	14.3	13.9	79
Exceptional Inc dba Employers Options	243	245	13.2	9.9	1,027

NA: Not available

SOURCE: "TOP 250." HAWAII BUSINESS, AUGUST 2016.

### 11.3.4

## CHARACTERISTICS OF BUSINESS ESTABLISHMENTS WITH EMPLOYEES, MAUI COUNTY

*Excludes most government employees, railroad employees, and self-employed persons*

Characteristic	2014		2015	
	Maui County	State	Maui County	State
Number of businesses	4,499	31,801	4,545	31,915
Employees	63,429	519,130	61,991	523,677
First quarter payroll (\$1,000)	559,911	5,101,194	572,765	5,326,980
Annual payroll (\$1,000)	2,299,529	20,847,140	2,389,725	22,068,393

SOURCE: U.S. CENSUS BUREAU, COUNTY BUSINESS PATTERNS.

### 11.3.5

## NUMBER OF BUSINESS ESTABLISHMENTS WITH EMPLOYEES MAUI COUNTY AND STATE OF HAWAI'I

Year	Maui County	State Total
1984	2,406	25,093
1985	2,528	25,742
1986	2,656	26,212
1987	2,867	27,281
1988	2,958	27,938
1989	3,096	28,443
1990	3,239	29,313
1991	3,367	29,736
1992	3,482	30,467
1993	3,502	30,157
1994	3,578	29,995
1995	3,639	29,942
1996	3,708	29,967
1997	3,766	29,995
1998	3,746	29,603
1999	3,790	29,569
2000	3,889	29,853
2001	3,955	30,853
2002	4,104	30,633
2003	4,203	31,061
2004	4,295	31,605
2005	4,422	32,244
2006	4,584	33,118
2007	4,663	33,388
2008	4,564	32,904
2009	4,450	32,372
2010	4,332	31,939
2011	4,314	31,472
2012	4,343	31,496
2013	4,409	31,622
2014	4,499	31,801
2015	4,545	31,915

SOURCE: U.S. CENSUS BUREAU, COUNTY BUSINESS PATTERNS.

## 11.3.6

**SERVICE ESTABLISHMENTS WITH EMPLOYEES FOR  
PLACES WITH 3,000 INHABITANTS OR MORE, MAUI COUNTY**

<b>Geography, 2012</b>	<b>Number of Establishments</b>	<b>Revenue (\$1,000)</b>	<b>Number of Employees</b>	<b>Annual Payroll (\$1,000)</b>
<b>Professional, Scientific, and Technical Services</b>				
Ha'ikū-Pa'uwela	24	4,635	24	892
Kahului	43	27,726	258	9,515
Kaunakakai	N	N	N	N
Kīhei	51	44,605	258	19,721
Kula	29	7,451	60	2,689
Lahaina	21	7,122	80	1,646
Lāna'i City	2	D	0-19	D
Makawao	13	3,568	25	987
Nāpili-Honokōwai	4	969	4	293
Pukalani	13	2,243	37	895
Waihe'e-Waiehū	1	D	0-19	D
Wailea	22	4,353	25	886
Wailuku	129	71,070	524	26,081
<b>Administrative, Support, and Waste Management</b>				
Ha'ikū-Pa'uwela	18	5,880	54	1,698
Kahului	53	97,251	2,052	56,866
Kaunakakai	3	1,439	11	143
Kīhei	41	28,642	307	11,969
Kula	11	7,564	109	2,542
Lahaina	20	46,539	969	27,982
Lāna'i City	4	D	20-99	D
Makawao	11	5,630	175	3,207
Nāpili-Honokōwai	8	4,747	56	1,721
Pukalani	9	D	100-249	D
Waihe'e-Waiehū	3	D	0-19	D
Wailea	12	9,449	57	1,086
Wailuku	48	70,854	746	20,474
<b>Educational Services</b>				
Ha'ikū-Pa'uwela	2	D	0-19	D
Kahului	10	2,106	39	738
Kaunakakai	N	N	N	N
Kīhei	9	2,332	45	682
Kula	1	D	0-19	D
Lahaina	5	4,154	31	1,214
Lāna'i City	N	N	N	N
Makawao	4	3,031	27	726
Nāpili-Honokōwai	N	N	N	N
Pukalani	3	139	3	37
Waihe'e-Waiehū	1	D	0-19	D
Wailea	3	D	20-99	D
Wailuku	3	D	0-19	D
<b>Health Care and Social Assistance</b>				
Ha'ikū-Pa'uwela	6	5,304	37	1,613
Kahului	96	170,232	1,533	76,084
Kaunakakai	19	23,794	265	9,780
Kīhei	42	31,997	307	13,593
Kula	13	D	20-99	D
Lahaina	24	20,704	194	8,802
Lāna'i City	9	4,605	45	1,954

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**11.3.6**  
**CONTINUED**

<b>Geography</b>	<b>Number of Establishments</b>	<b>Revenue (\$1,000)</b>	<b>Number of Employees</b>	<b>Annual Payroll (\$1,000)</b>
Makawao	16	D	20-99	D
Nāpili-Honokōwai	2	D	0-19	D
Pukalani	6	D	20-99	D
Waihe'e-Waiehū	1	D	0-19	D
Wailea	6	1,207	4	230
Wailuku	122	448,085	3,326	181,612
<b>Arts, Entertainment, and Recreation</b>				
Ha'ikū-Pa'uwela	9	3,486	39	1,100
Kahului	13	19,370	478	6,839
Kaunakakai	1	D	0-19	D
Kīhei	14	9,403	185	3,539
Kula	7	2,875	16	398
Lahaina	14	D	250-499	D
Lāna'i City	N	N	N	N
Makawao	3	1,123	28	326
Nāpili-Honokōwai	3	D	0-19	D
Pukalani	9	D	100-249	D
Waihe'e-Waiehū	N	N	N	N
Wailea	11	17,128	134	4,622
Wailuku	9	4,494	85	1,660
<b>Accommodation and Food Services</b>				
Ha'ikū-Pa'uwela	4	3,625	75	1,152
Kahului	84	123,307	1,703	31,165
Kaunakakai	8	D	100-249	D
Kīhei	91	136,593	1,622	35,137
Kula	5	4,945	82	1,297
Lahaina	93	343,924	3,748	105,653
Lāna'i City	9	D	500-999	D
Makawao	10	10,293	265	4,058
Nāpili-Honokōwai	17	55,210	289	7,734
Pukalani	7	7,026	123	1,310
Waihe'e-Waiehū	1	D	0-19	D
Wailea	31	554,353	4,349	161,090
Wailuku	47	28,023	438	7,098
<b>Other Services (except Public Administration)</b>				
Ha'ikū-Pa'uwela	7	1,400	21	465
Kahului	60	43,119	501	12,823
Kaunakakai	7	5,445	54	1,815
Kīhei	71	29,979	270	7,453
Kula	9	1,690	17	479
Lahaina	45	22,246	191	4,707
Lāna'i City	1	D	0-19	D
Makawao	5	D	0-19	D
Nāpili-Honokōwai	21	D	20-99	D
Pukalani	9	D	20-99	D
Waihe'e-Waiehū	3	D	20-99	D
Wailea	31	35,203	274	9,175
Wailuku	59	31,796	273	7,650

D: Withheld to avoid disclosing data for individual companies; data are included in higher level totals N: Not available

SOURCE: U.S. CENSUS BUREAU, 2012 ECONOMIC CENSUS.

## 11.3.7

**SERVICE ESTABLISHMENTS WITH EMPLOYEES  
BY TYPE AND LOCATION, 2015**

<b>Establishment Type</b>	<b>Location</b>	<b>Number</b>	<b>Location</b>	<b>Number</b>	<b>Location</b>	<b>Number</b>
<b>Professional, Scientific, &amp; Technical Services</b>	Ha'ikū	23	Makawao	35	Ho'olehua	1
	Kahului	53	Pā'ia	15	Kaunakakai	2
	Kīhei	82	Pukalani	1	Lāna'i City	3
	Kula	28	Wailuku	125		
	Lahaina	43				
<b>Management of Companies</b>	Kahului	2	Lahaina	3	Wailuku	1
	Kīhei	3				
<b>Administrative &amp; Support</b>	Ha'ikū	21	Lahaina	47	Kaunakakai	3
	Kahului	50	Makawao	25	Lāna'i City	4
	Kīhei	62	Pā'ia	8		
	Kula	9	Wailuku	51		
<b>Waste Management &amp; Remediation</b>	Kahului	5	Pu'unēnē	3	Ho'olehua	1
	Kīhei	1	Wailuku	3	Maunaloa	1
	Makawao	1				
<b>Educational Services</b>	Ha'ikū	4	Kula	2	Wailuku	8
	Hāna	2	Lahaina	8	Kaunakakai	1
	Kahului	12	Makawao	13	Maunaloa	1
	Kīhei	15	Pā'ia	2	Lāna'i City	1
<b>Ambulatory Health Care</b>	Ha'ikū	6	Lahaina	29	Kaunakakai	10
	Hāna	2	Makawao	21	Kualapu'u	1
	Kahului	67	Pā'ia	1	Lāna'i City	3
	Kīhei	38	Pu'unēnē	1		
	Kula	11	Wailuku	108		
<b>Hospitals</b>	Wailuku	1	Kaunakakai	1		
<b>Nursing &amp; Residential Care</b>	Kahului	1	Makawao	3	Kaunakakai	2
	Kīhei	1	Wailuku	8	Lāna'i City	1
<b>Social Assistance</b>	Haiku	1	Lahaina	9	Ho'olehua	3
	Hāna	3	Makawao	6	Kaunakakai	7
	Kahului	14	Pā'ia	3	Kualapu'u	1
	Kīhei	9	Pu'unēnē	2	Lāna'i City	5
	Kula	2	Wailuku	28		

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## 11.3.7

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Establishment Type	Location	Number	Location	Number	Location	Number
<b>Performing Arts, Spectator Sports, &amp; Related</b>	Ha'ikū	7	Kīhei	12	Makawao	6
	Hāna	1	Kula	3	Pā'ia	2
	Kahului	2	Lahaina	13	Wailuku	4
<b>Museums, Historical Sites, &amp; Related</b>	Ha'ikū	2	Makawao	2	Kualapu'u	1
	Hāna	2	Pu'unēnē	1		
	Lahaina	2	Wailuku	2		
<b>Amusement, Gambling, &amp; Recreation</b>	Ha'ikū	4	Kula	6	Pā'ia	3
	Kahului	10	Lahaina	19	Wailuku	4
	Kīhei	14	Makawao	4	Kaunakakai	2
<b>Accommodation</b>	Ha'ikū	3	Kula	1	Wailuku	3
	Hāna	1	Lahaina	47	Kaunakakai	1
	Kahului	2	Makawao	1	Maunaloa	1
	Kīhei	23	Pā'ia	2	Lāna'i City	2
<b>Food Service &amp; Drinking</b>	Ha'ikū	8	Lahaina	130	Ho'olehua	1
	Hāna	2	Makawao	16	Kaunakakai	10
	Kahului	71	Pā'ia	15	Lāna'i City	4
	Kīhei	108	Pukalani	2		
	Kula	6	Wailuku	59		
<b>Repair &amp; Maintenance</b>	Ha'ikū	1	Kula	3	Pu'unēnē	3
	Kahului	29	Lahaina	8	Wailuku	29
	Kīhei	8	Makawao	3	Ho'olehua	1
<b>Personal &amp; Laundry Services</b>	Ha'ikū	3	Kula	1	Pā'ia	2
	Kahului	20	Lahaina	22	Wailuku	19
	Kīhei	21	Makawao	7	Lāna'i City	1
<b>Religious, Civic, &amp; Professional Organizations</b>	Ha'ikū	6	Lahaina	74	Wailuku	45
	Hāna	2	Makawao	11	Ho'olehua	2
	Kahului	23	Pā'ia	4	Kaunakakai	9
	Kīhei	86	Pukalani	1	Maunaloa	2
	Kula	7	Pu'unēnē	2	Lāna'i City	3

SOURCE: U.S. CENSUS BUREAU, 2015 ZIP CODE BUSINESS PATTERNS.

## 11.3.8

**SALES BY BUSINESS ESTABLISHMENTS  
FOR EMPLOYERS AND NONEMPLOYERS BY SECTOR  
MAUI COUNTY**

NAICS	Industry	Employers	Sales (\$1,000)	Nonemployers	Sales (\$1,000)
11	Agriculture, Forestry, Fishing & Hunting	N	N	250	6,315
21	Mining, Quarrying, and Oil and Gas Extraction	N	N	5	542
22	Utilities	13	Q	45	3,476
23	Construction	N	N	1,395	100,621
31-33	Manufacturing	99	D	398	17,015
42	Wholesale Trade	140	714,580	393	25,413
44-45	Retail Trade	758	D	1,293	67,791
48-49	Transportation & Warehousing	138	368,121	414	12,213
51	Information	69	N	174	6,436
52	Finance & Insurance	152	N	272	12,943
53	Real Estate & Rental & Leasing	306	454,401	1,904	166,686
54	Professional, Scientific, & Tech. Services	390	186,395	2,157	87,384
55	Management of Companies & Enterprises	N	N	N	N
56	Admin., Support & Waste Management	271	303,209	1,745	54,128
61	Educational Services	47	16,725	357	7,930
62	Health Care & Social Assistance	393	741,499	1,006	42,007
71	Arts, Entertainment, & Recreation	120	141,052	1,266	53,109
72	Accommodation & Food Services	499	2,307,504	378	27,761
81	Other Services (except Public Administration)	383	238,128	2,722	96,728

D: Withheld to avoid disclosing individual company data; data are included in higher level totals.

N: Not available or not comparable.

Q: Revenue not collected at this level of detail for multi-establishment firms

NAICS: North American Industry Classification System

Note: Statistics data files are released on a flow basis from March 2014 through June 2016. As such, these data are subject to change and will be replaced when updated data are added from more recent data files.

SOURCE: U.S. CENSUS BUREAU, 2012 ECONOMIC CENSUS, 2012 ECONOMIC CENSUS OF ISLAND AREAS, AND 2015 NONEMPLOYER STATISTICS.

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