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# **MAUI COUNTY DATA BOOK**

## **2017**

COUNTY OF MAUI  
OFFICE OF ECONOMIC DEVELOPMENT

HAWAI'I SMALL BUSINESS DEVELOPMENT CENTER NETWORK  
HAWAI'I BUSINESS RESEARCH LIBRARY

A Partnership Program of the University of Hawai'i at Hilo through a  
Cooperative Agreement with the U.S. Small Business Administration

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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 2017 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 2017 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 in Wailuku. Together they provide the most up-to-date data that is critical to decision-making by both prospective and established businesses in our community.

As with earlier editions of the Maui County Data Book, the 2017 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/MauiCountyDataBook.aspx](http://www.hisbdc.org/BusinessResearchLibrary/MauiCountyDataBook.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, which appears to read "Alan Arakawa". The signature is fluid and cursive.

**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-18-B-0041. 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  
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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/MauiCountyDataBook2017.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 2017 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-sixth 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/MauiCountyDataBook2017.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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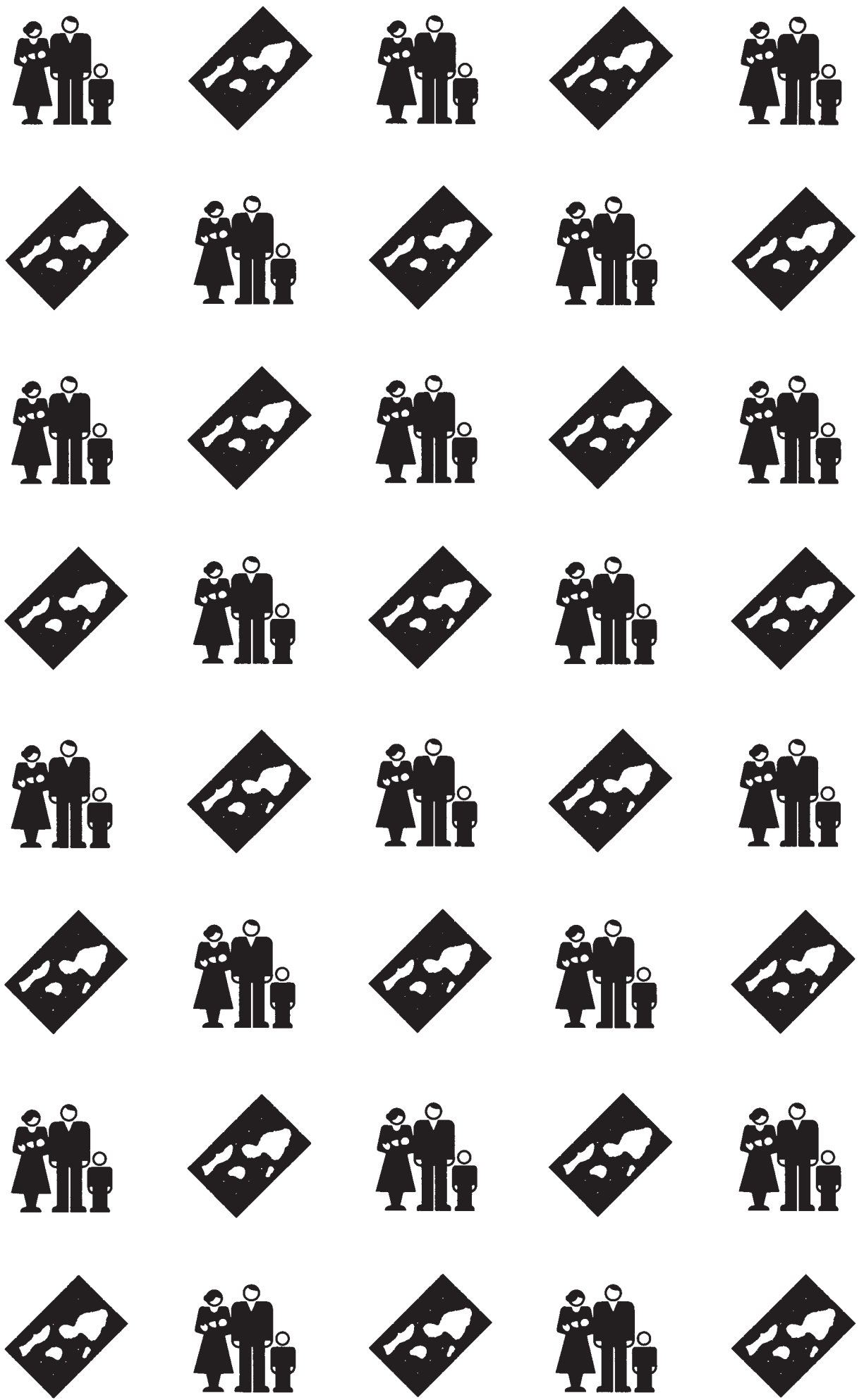
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# General Statistics



## 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	2012	2013	2014	2015	2016	2017	% Change 17/16	% Change 12/17
Resident Population <sup>1</sup>	Number	July 1	158,693	161,006	163,420	164,389	165,384	166,260	0.5%	4.8%
Civilian Labor Force <sup>2</sup>	Number	An. Avg.	79,150	79,900	82,450	83,950	85,850	86,550	0.8%	9.3%
Employed	Number	An. Avg.	74,100	75,750	78,700	80,800	83,200	84,350	1.4%	13.8%
Unemployed	Number	An. Avg.	5,100	4,150	3,750	3,100	2,650	2,200	-17.0%	-56.9%
Percent Unemployed	Percent	An. Avg.	6.4	5.2	4.5	3.7	3.1	2.5	-19.4%	-60.9%
Total Job Count <sup>3</sup>	Number	An. Avg.	68,000	69,900	71,400	73,300	74,600	76,400	2.4%	12.4%
Gross Business Receipts	Mil. \$	Total	5,649.0	5,617.2	5,608.8	5,738.4	5,320.0	6,001.1	12.8%	6.2%
State Tax Collections	Thous. \$	Total	374,750	385,233	366,718	404,645	410,826	464,600	13.1%	24.0%
County Tax Collections <sup>4</sup>	Thous. \$	Total	238,829	246,315	255,440	268,178	280,825	303,701	8.1%	27.2%
Tourism <sup>5</sup>										
Estimated Domestic Visitors	Thous.	Total	1,953	1,959	2,005	2,116	2,172	2,269	4.5%	16.2%
Estimated International Visitors	Thous.	Total	401	443	445	463	462	473	2.4%	18.0%
Hotel Inventory	Number	An. Avg.	20,441	18,691	18,694	21,413	21,899	21,723	-0.8%	6.3%
Hotel Occupancy	Percent	An. Avg.	72.4	71.7	72.0	74.5	75.8	77.1	1.7%	6.5%
Single Family Home Sales	Number	Total	933	980	943	1,089	1,076	1,099	2.1%	17.8%
Condominium Sales	Dollars	Median	470,000	530,000	570,000	580,000	636,750	695,000	9.1%	47.9%
	Number	Total	1,248	1,334	1,199	1,199	1,310	1,451	10.8%	16.3%
	Dollars	Median	358,995	374,500	415,000	410,000	415,000	445,000	7.2%	24.0%
Household Income	Dollars	Median	61,207	65,558	67,013	66,476	68,777	NA	NA	NA
Per Capita Income <sup>6</sup>	Dollars	Total	39,218	38,688	40,488	42,798	44,478	NA	NA	NA
Monthly Mortgage Payment	Dollars	Median	2,325	2,261	2,164	2,225	2,209	NA	NA	NA
Monthly Rent	Dollars	Median	1,241	1,292	1,238	1,418	1,254	NA	NA	NA
Private Building Permits	Thous. \$	Total	366,994	325,014	443,617	731,491	384,686	477,528	24.1%	30.1%

1. Revised estimates by the U.S. Census Bureau for 2012 to 2016.

2. Data for 2013 to 2017 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. Revised data for 2012 to 2016. Preliminary data for 2017. 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‘I**

<b>Category</b>	<b>Maui County</b>	<b>State of Hawai‘i</b>
<b>Population</b>		
Population estimates, July 1, 2017	166,260	1,427,538
Population, percent change, April 1, 2010 to July 1, 2017	7.4%	4.9%
Population, Census, April 1, 2010	154,834	1,360,301
Persons under 5 years, percent, July 1, 2017	6.0%	6.3%
Persons under 18 years, percent, July 1, 2017	21.8%	21.4%
Persons 65 years and over, percent, July 1, 2017	17.5%	17.8%
Female persons, percent, July 1, 2017	50.2%	49.8%
White alone, percent, July 1, 2017 <sup>(a)</sup>	34.8%	25.7%
Black or African American alone, percent, July 1, 2017 <sup>(a)</sup>	0.7%	2.2%
American Indian and Alaska Native alone, percent, July 1, 2017 <sup>(a)</sup>	0.6%	0.4%
Asian alone, percent, July 1, 2017 <sup>(a)</sup>	29.1%	37.8%
Native Hawaiian and Other Pacific Islander alone, percent, July 1, 2017 <sup>(a)</sup>	10.9%	10.2%
Two or more races, percent, July 1, 2017	23.8%	23.8%
Hispanic or Latino, percent, July 1, 2017 <sup>(b)</sup>	11.3%	10.5%
White alone, not Hispanic or Latino, percent, July 1, 2017	30.2%	21.9%
<b>General</b>		
Living in same house 1 year ago, pct of persons age 1 year+, 2012-2016	86.2%	85.6%
Foreign born persons, percent, 2012-2016	19.0%	17.9%
Language other than English spoken at home, percent age 5+, 2012-2016	23.0%	25.7%
High school graduate or higher, percent of persons age 25+, 2012-2016	91.8%	91.3%
Bachelor's degree or higher, percent of persons age 25+, 2012-2016	25.7%	31.4%
Veterans, 2012-2016	9,286	108,022
Mean travel time to work (minutes), workers age 16+, 2012-2016	21.0	27.2
<b>Housing</b>		
Housing units, July 1, 2017	72,962	542,904
Owner-occupied housing unit rate, 2012-2016	58.3%	57.5%
Median value of owner-occupied housing units, 2012-2016	\$528,500	\$538,400
Households, 2012-2016	53,903	452,030
Persons per household, 2012-2016	2.96	3.03
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$30,599	\$30,970
Median household income (in 2016 dollars), 2012-2016	\$68,777	\$71,977
Persons in poverty, percent <sup>2</sup>	9.5%	9.3%



## 1.1.2

## CONTINUED

Category	Maui County	State of Hawai'i
<b>Business</b>		
Total employer establishments, 2016	4,618	32,350 <sup>1</sup>
Total employment, 2016	64,146	528,415 <sup>1</sup>
Total employment, percent change, 2015-2016	3.5%	0.9% <sup>1</sup>
Total nonemployer establishments, 2016	16,792	108,308
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 (\$1,000)	D	D
Total merchant wholesaler sales, 2012 (\$1,000)	714,580	9,607,982
Total retail sales, 2012 (\$1,000)	D	18,901,745
Total retail sales per capita, 2012	NA	\$13,576
Total accommodation and food services sales, 2012 (\$1,000)	2,307,504	9,536,706
Building permits, 2017	861	4,035
<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

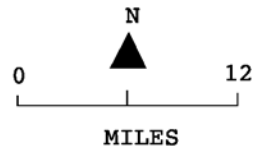
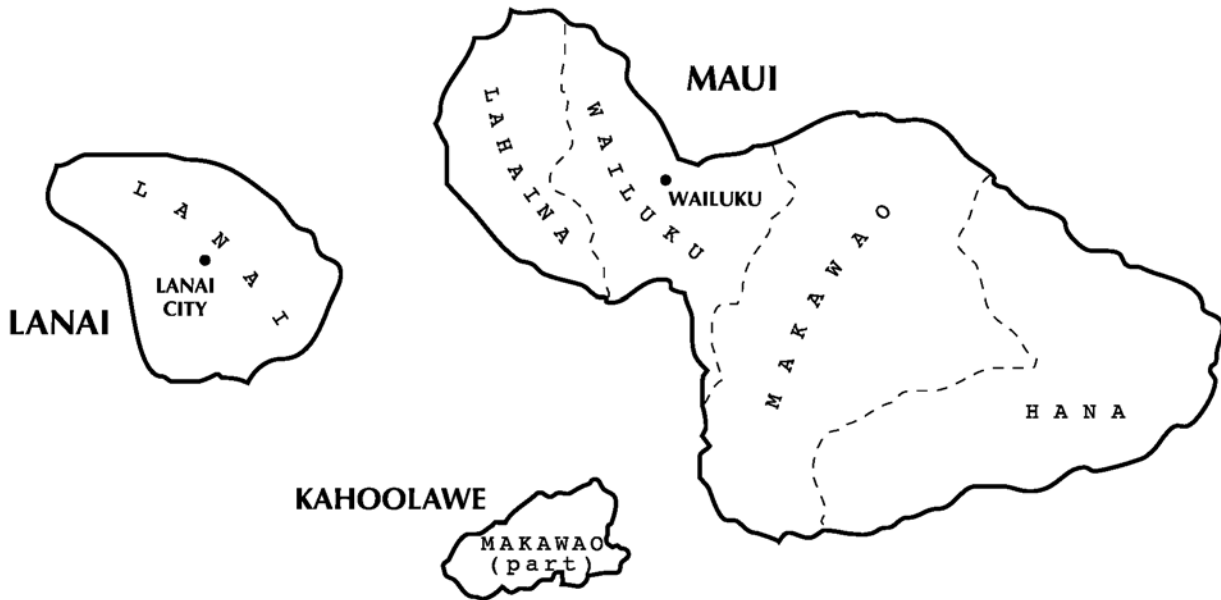
SOURCE: U.S. CENSUS BUREAU, STATE AND COUNTY QUICKFACTS.

# MAUI COUNTY AND DISTRICTS



**MOLOKAI**

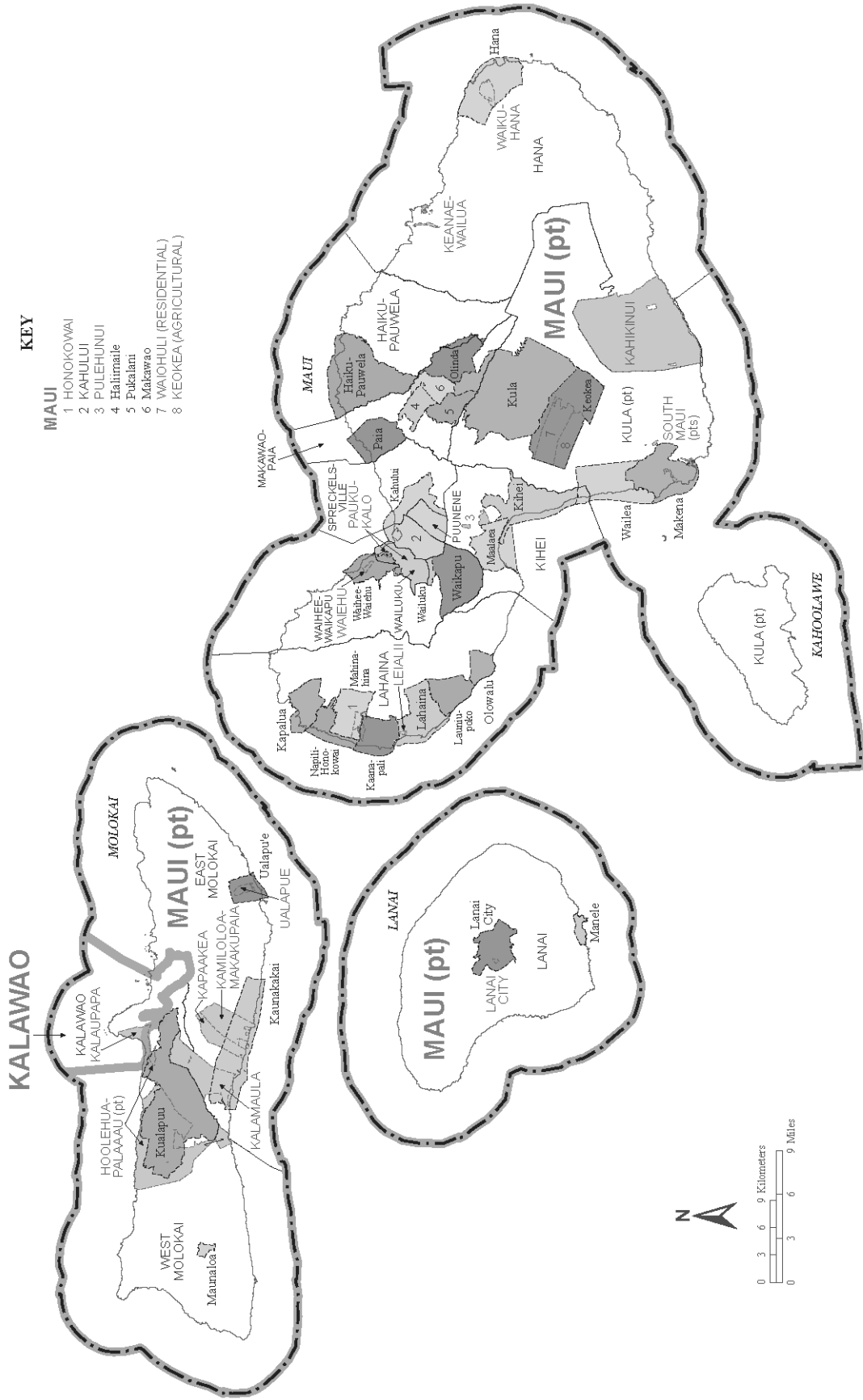
\*Kalawao is officially designated as a separate county but is usually treated as a district of Maui for statistical purposes



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

1.2.2

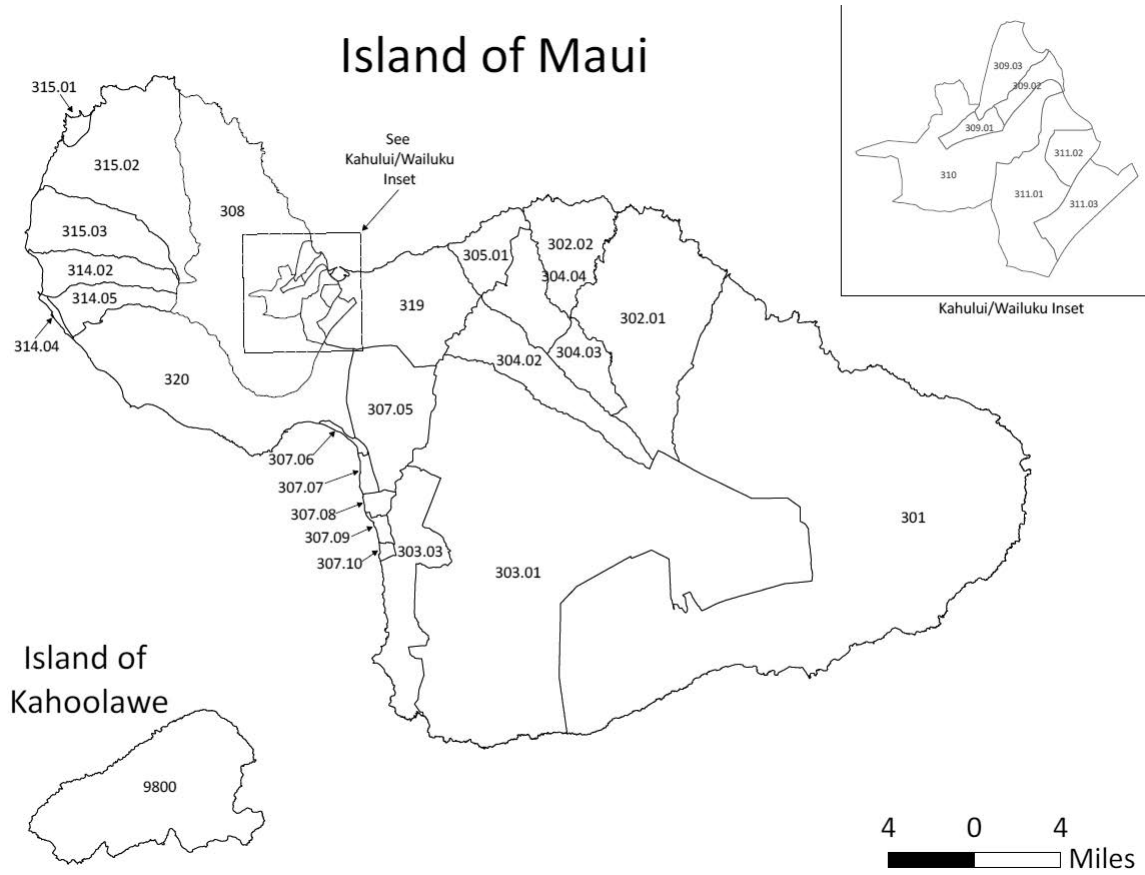
MAUI COUNTY SUBDIVISIONS AND PLACES



SOURCE: U.S. CENSUS BUREAU, 2010 CENSUS.

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>	154,834	953,207	185,079	67,091	1,360,301
July 1, 2011	156,838	966,514	187,049	67,832	1,378,323
July 1, 2012	158,693	976,299	189,118	68,573	1,392,772
July 1, 2013	161,006	985,734	191,583	69,626	1,408,038
July 1, 2014	163,420	989,438	194,240	70,523	1,417,710
July 1, 2015	164,389	993,716	196,740	71,387	1,426,320
July 1, 2016	165,384	992,761	198,681	71,769	1,428,683
July 1, 2017	166,260	988,650	200,381	72,159	1,427,538

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 2018 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>	194,390	987,963	202,690	83,506	1,468,549
July 1, 2011 <sup>3</sup>	198,769	1,000,688	205,686	85,141	1,490,284
July 1, 2012 <sup>3</sup>	202,336	1,019,083	209,452	87,183	1,518,054
July 1, 2013 <sup>3</sup>	207,488	1,032,103	212,809	89,568	1,541,968
July 1, 2014 <sup>3</sup>	211,674	1,040,269	216,463	90,623	1,559,029
July 1, 2015 <sup>3</sup>	215,190	1,049,386	220,654	92,635	1,577,865
July 1, 2016 <sup>3</sup>	218,057	1,049,121	222,717	93,370	1,583,265

1. Including Kalawao County. The 2016 de facto population of Kalawao County, the Kalaupapa Settlement on Molokai, was 88.

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, 2016.

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-Waikapū	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>	<b>154,834</b>	<b>23.1</b>	<b>7.5</b>	<b>27.0</b>	<b>29.6</b>	<b>12.8</b>	<b>39.6</b>	<b>100.4</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	
Waihe'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>2016</b>	<b>Estimate</b>	<b>Percent</b>
<b>Total Population</b>	<b>165,379</b>	<b>100%</b>
One race	132,306	80.00%
Two or more races	33,073	20.00%
<b>One Race</b>	<b>132,306</b>	<b>80.00%</b>
White	60,712	36.71%
Black or African American	422	0.26%
American Indian and Alaska Native	157	0.09%
Asian	50,531	30.55%
Asian Indian	70	0.04%
Chinese	1,653	1.00%
Filipino	36,160	21.86%
Japanese	8,364	5.06%
Korean	659	0.40%
Vietnamese	582	0.35%
Other Asian	3,043	1.84%
Native Hawaiian and other Pacific Islander	18,797	11.37%
Native Hawaiian	13,788	8.34%
Guamanian or Chamorro	0	0.00%
Samoan	228	0.14%
Other Pacific Islander	4,781	2.89%
Some other race	1,687	1.02%
<b>Hispanic or Latino (of Any Race)</b>	<b>18,419</b>	<b>11.14%</b>
Mexican	7,996	4.83%
Puerto Rican	5,269	3.19%
Cuban	0	0.00%
Other Hispanic or Latino	5,154	3.12%
<b>Two or More Races</b>	<b>33,073</b>	<b>20.00%</b>
White and Black or African American	1,274	0.77%
White and American Indian and Alaska Native	1,361	0.82%
White and Asian	6,671	4.03%
Black or African American and American Indian and Alaska Native	74	0.04%

SOURCE: U.S. CENSUS BUREAU, 2016 AMERICAN COMMUNITY SURVEY 1-YEAR ESTIMATES.

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
7/1/2016 to 7/1/2017	1,878	1,310	568	820	-501	876

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, 2017.

### 1.3.10

## MARRIAGES BY RESIDENCY MAUI COUNTY

Residency	2011	2012	2013	2014	2015	2016	2017
One or both is a resident	889	903	890	975			
Both are non-residents	6,199	5,827	5,442	6,023			
One or both is a non-resident <sup>1</sup>					5,353	5,226	5,129
Both are residents					822	810	865
<b>Total</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>	<b>5,994</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

	2011	2012	2013	2014	2015 <sup>1</sup>	2016 <sup>1</sup>	2017 <sup>1</sup>
January	365	317	319	359	297	317	299
February	379	407	360	412	355	336	338
March	424	436	426	439	381	356	370
April	499	508	514	537	431	454	428
May	646	659	581	667	678	605	548
June	588	522	467	571	451	478	446
July	507	436	454	490	438	404	473
August	495	499	433	492	448	428	394
September	667	530	587	607	536	550	530
October	596	643	520	661	592	548	569
November	692	425	427	416	408	400	379
December	341	445	354	372	338	350	355

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>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>Maui Island</b>							
96708	Ha'ikū	126	123	132	121	114	114
96713	Hāna	22	26	25	32	31	33
96732	Kahului	351	391	384	371	328	373
96753	Kīhei	330	282	292	254	237	258
96761	Lahaina	302	265	326	302	313	291
96768	Makawao/Pukalani	199	234	199	205	192	189
96779	Pā'ia	45	37	31	27	33	28
96788	Pukalani	15	9	8	n/r	n/r	n/r
96790	Kula	81	88	107	88	94	75
96793	Wailuku	395	399	411	425	396	387
<b>Lāna'i</b>							
96763	Lāna'i City	32	44	42	46	48	29
<b>Moloka'i</b>							
96729	Ho'olehua	14	24	16	11	15	20
96748	Kaunakakai	66	57	61	73	64	47
96757	Kualapu'u	8	11	12	6	15	18
96770	Maunaloa	n/r	15	10	12	12	9
	Unknown	12	4	0	0	2	0
<b>Total</b>		<b>1,998</b>	<b>2,009</b>	<b>2,056</b>	<b>1,973</b>	<b>1,894</b>	<b>1,871</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	2014	Percent	2015	Percent	2016	Percent
<b>Total</b>	<b>1,977</b>	<b>100%</b>	<b>1,894</b>	<b>100%</b>	<b>1,873</b>	<b>100%</b>
<b>Births by Area of Residence</b>						
Maui County	1,977	100%	1,894	100%	1,873	100.0%
Maui	1,831	92.5%	1,738	91.8%	1,749	93.4%
Moloka'i	102	5.2%	106	5.6%	95	5.1%
Lāna'i	46	2.3%	48	2.5%	29	1.5%
<b>Ethnicity of Child</b>						
Caucasian	336	17.0%	348	18.4%	338	18.0%
Native Hawaiian	865	43.8%	838	44.2%	812	43.4%
Chinese	29	1.5%	19	1.0%	23	1.2%
Filipino	391	19.8%	317	16.7%	322	17.2%
Japanese	83	4.2%	79	4.2%	87	4.6%
All others	273	13.8%	293	15.5%	291	15.5%
<b>Ethnicity of Mother</b>						
Caucasian	481	24.3%	499	26.3%	472	25.2%
Native Hawaiian	627	31.7%	624	32.9%	610	32.6%
Chinese	23	1.2%	25	1.3%	28	1.5%
Filipino	434	22.0%	360	19.0%	366	19.5%
Japanese	112	5.7%	95	5.0%	106	5.7%
All others	300	15.2%	291	15.4%	291	15.5%

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**

Age Group (Years)	2010 <sup>1</sup>	2020	2025	2030	2035	2040	2045
0 - 4	9,989	10,161	10,588	10,955	11,388	11,751	12,033
5 - 9	9,845	10,706	10,609	11,037	11,405	11,840	12,203
10 - 14	9,842	10,525	11,048	10,953	11,381	11,749	12,184
15 - 19	9,430	9,536	10,171	10,695	10,601	11,030	11,399
20 - 24	8,394	9,303	9,844	10,479	11,003	10,911	11,341
25 - 29	10,199	10,315	10,666	11,208	11,843	12,367	12,280
30 - 34	10,460	10,621	11,217	11,571	12,113	12,748	13,274
35 - 39	10,297	11,744	10,970	11,565	11,922	12,465	13,100
40 - 44	11,098	11,221	12,016	11,251	11,848	12,208	12,752
45 - 49	11,826	10,539	11,374	12,169	11,419	12,017	12,382
50 - 54	12,324	11,062	10,554	11,391	12,186	11,458	12,058
55 - 59	11,635	11,907	11,141	10,661	11,498	12,294	11,595
60 - 64	9,893	11,945	11,635	10,923	10,478	11,316	12,113
65 - 69	6,830	10,873	11,404	11,141	10,491	10,087	10,922
70 - 74	4,414	9,245	10,279	10,817	10,605	10,025	9,668
75 - 79	3,260	5,761	8,402	9,384	9,927	9,782	9,299
80 - 84	2,772	3,365	4,982	7,298	8,205	8,748	8,684
85 +	2,706	3,932	4,676	6,451	9,525	12,245	14,250
<b>Total</b>	<b>155,214</b>	<b>172,762</b>	<b>181,577</b>	<b>189,947</b>	<b>197,836</b>	<b>205,040</b>	<b>211,537</b>

Share (%)	2010 <sup>1</sup>	2020	2025	2030	2035	2040	2045
0 - 4	6.4	5.9	5.8	5.8	5.8	5.7	5.7
5 - 9	6.3	6.2	5.8	5.8	5.8	5.8	5.8
10 - 14	6.3	6.1	6.1	5.8	5.8	5.7	5.8
15 - 19	6.1	5.5	5.6	5.6	5.4	5.4	5.4
20 - 24	5.4	5.4	5.4	5.5	5.6	5.3	5.4
25 - 29	6.6	6.0	5.9	5.9	6.0	6.0	5.8
30 - 34	6.7	6.1	6.2	6.1	6.1	6.2	6.3
35 - 39	6.6	6.8	6.0	6.1	6.0	6.1	6.2
40 - 44	7.2	6.5	6.6	5.9	6.0	6.0	6.0
45 - 49	7.6	6.1	6.3	6.4	5.8	5.9	5.9
50 - 54	7.9	6.4	5.8	6.0	6.2	5.6	5.7
55 - 59	7.5	6.9	6.1	5.6	5.8	6.0	5.5
60 - 64	6.4	6.9	6.4	5.8	5.3	5.5	5.7
65 - 69	4.4	6.3	6.3	5.9	5.3	4.9	5.2
70 - 74	2.8	5.4	5.7	5.7	5.4	4.9	4.6
75 - 79	2.1	3.3	4.6	4.9	5.0	4.8	4.4
80 - 84	1.8	1.9	2.7	3.8	4.1	4.3	4.1
85 +	1.7	2.3	2.6	3.4	4.8	6.0	6.7
<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 2045", JUNE 2018.

1.3.15

**ECONOMIC PROJECTIONS  
MAUI COUNTY 2016 TO 2045**

	2016	2020	2025	2030	2035	2040	2045
<b>Total Personal Income<sup>1</sup></b>	6,921	7,650	8,680	9,830	11,100	12,490	14,050
<b>Total Civilian Wage and Salary Jobs</b>	77,400	80,550	84,390	88,150	91,560	94,750	98,000
Agriculture	1,710	1,700	1,700	1,700	1,700	1,700	1,700
Mining and construction	4,050	4,390	4,790	5,200	5,530	5,880	6,240
Food processing	590	580	580	580	570	570	560
Other manufacturing	590	590	600	600	600	600	600
Transportation	3,700	3,840	3,990	4,130	4,250	4,350	4,450
Information	560	560	550	550	550	560	560
Utilities	480	490	500	510	510	510	500
Wholesale trade	1,520	1,560	1,620	1,680	1,710	1,740	1,760
Retail trade	9,870	10,090	10,360	10,580	10,690	10,790	10,840
Finance and insurance	860	870	890	910	920	930	930
Real estate and rental	2,160	2,250	2,350	2,440	2,520	2,590	2,660
Professional services	1,530	1,630	1,750	1,880	1,990	2,080	2,180
Business services	5,590	5,970	6,460	6,910	7,380	7,790	8,230
Educational services	1,000	1,110	1,270	1,440	1,620	1,820	2,030
Health services	5,680	6,030	6,470	6,940	7,400	7,900	8,400
Arts and entertainment	2,230	2,290	2,370	2,430	2,480	2,500	2,530
Accommodation	11,980	12,190	12,410	12,640	12,820	12,960	13,110
Eating and drinking	9,820	10,430	11,210	11,990	12,780	13,530	14,340
Other services	3,550	3,650	3,780	3,870	3,940	3,980	4,000
Government	9,950	10,320	10,760	11,180	11,600	11,980	12,370
Visitor arrivals by air (1,000)	2,678	2,968	3,141	3,324	3,506	3,680	3,856
Visitor days, air visitors only (1,000)	21,954	24,722	26,344	28,157	29,996	31,788	33,677
Visitor expenditures <sup>2</sup>	4,648	5,623	6,555	7,677	8,964	10,415	12,101
Occupied visitor units <sup>3</sup>	19,486	20,825	22,252	23,783	25,337	26,777	28,446

Note: Projected values were rounded to the nearest ten.

1. In million 2012 dollars. Figures for 2016 are from the U.S. Bureau of Economic Analysis (BEA).

2. In million 2012 dollars. Honolulu CPI was used for 2012-2017 price adjustment while annual inflation for 2017-2045 was assumed at 2.2 percent.

3. Actual figures in 2017 instead of 2016. Occupied visitor units for 2017 were calculated by applying the countywide hotel occupancy rate in 2017 to total visitor inventory in the county including individually advertised vacation rental units, assuming that the occupancy rate of visitor inventories other than hotel had the same occupancy rate as hotels. There were 90,163 visitor plant inventories statewide in 2017 including individually advertised vacation rental units (Table 24, Visitor Plant Inventory Report, 2017), and the statewide hotel occupancy rate was 80 percent in 2017.

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 2045", JUNE 2018.

## 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>					
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	6,613,251	49,880,837	6,747,024	2,880,954	66,122,066
2015	7,034,136	52,317,648	7,253,156	3,032,891	69,637,831
2016	7,359,874	53,827,889	7,618,924	3,139,390	71,946,077
<b>Per Capita Income, in \$</b>					
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	35,475	45,219	31,332	35,063	41,724
2011	36,684	46,466	31,932	36,125	42,872
2012	39,218	47,948	33,086	37,604	44,428
2013	38,688	48,241	33,217	38,815	44,639
2014	40,488	50,457	34,799	40,841	46,685
2015	42,798	52,678	36,976	42,431	48,863
2016	44,478	54,229	38,392	43,585	50,363

Note: Revised estimates for 2010-2015. 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", Nov. 16, 2017.

1.4.2

**EARNINGS BY DETAILED INDUSTRY  
MAUI COUNTY, 2016**

*In thousands of dollars*

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<b>Personal Income</b>	<b>7,359,874</b>
<b>Population (persons)</b>	<b>165,474</b>
<b>Per Capita Personal Income (dollars)</b>	<b>44,478</b>
<b>Earnings by Place of Work</b>	<b>5,140,023</b>
less: Contributions for government social insurance	583,683
Employee and self-employed contributions for government social insurance	323,857
Employer contributions for government social insurance	259,826
plus: Adjustment for residence	8,332
equals: Net earnings by place of residence	4,564,672
plus: Dividends, interest, and rent	1,594,430
plus: Personal current transfer receipts	1,200,772
<b>Wages and Salaries</b>	<b>3,554,934</b>
<b>Supplements to Wages and Salaries</b>	<b>863,437</b>
Employer contributions for employee pension and insurance funds	603,611
Employer contributions for government social insurance	259,826
<b>Proprietors' Income</b>	<b>721,652</b>
Farm proprietors' income	-1,751
Nonfarm proprietors' income	723,403
<b>Farm Earnings</b>	<b>76,475</b>
<b>Nonfarm Earnings</b>	<b>5,063,548</b>
<b>Private Earnings</b>	<b>4,184,249</b>
Forestry, fishing, and related activities	D
Mining	D
Utilities	72,384
Construction	475,623

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## 1.4.2

### CONTINUED

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Manufacturing	69,990
Durable goods manufacturing	29,234
Nondurable goods manufacturing	40,756
Wholesale trade	113,441
Retail trade	419,227
Transportation and warehousing	208,272
Information	48,366
Finance and insurance	63,289
Real estate and rental and leasing	224,752
Professional, scientific, and technical services	174,221
Management of companies and enterprises	21,519
Administrative and waste services	246,644
Educational services	62,978
Health care and social assistance	365,562
Arts, entertainment, and recreation	115,307
Accommodation and food services	1,227,019
Other services, except public administration	264,864
<b>Government and Government Enterprises</b>	<b>879,299</b>
Federal, civilian	77,810
Military	38,804
State and local	762,685
State government	524,784
Local government	237,901

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Note: Includes Kalawao. All dollar estimates are in current dollars (not adjusted for inflation).

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 16, 2017.

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
2017	272.014	270.738	273.290	267.115	265.787	268.444

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	2012-2015			2016			2017			2018		
	COLA Rates (%)	Payable Locality Rates (%)	Full Locality Rates (%)	COLA Rates (%)	Locality Rates (%)	COLA Rates (%)	Locality Rates (%)	COLA Rates (%)	Locality Rates (%)	COLA Rates (%)	Locality Rates (%)	
Honolulu	12.25	16.51	16.51	12.05	16.81	11.32	17.92	10.99	18.43	10.99	18.43	
Hawaii'i	6.24	16.51	16.51	6.05	16.81	5.39	17.92	5.08	18.43	5.08	18.43	
Kaua'i	12.25	16.51	16.51	12.05	16.81	11.32	17.92	10.99	18.43	10.99	18.43	
Maui'i	12.25	16.51	16.51	12.05	16.81	11.32	17.92	10.99	18.43	10.99	18.43	

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	2013	2014	2015	2016	2017
<b>All Items</b>	253.924	257.589	260.165	265.283	272.014
<b>Food and Beverages</b>	250.922	256.023	267.041	272.051	277.301
Food	250.720	256.204	267.643	272.998	278.202
Food at home	254.618	260.591	267.011	267.579	273.253
Food away from home	241.201	247.703	262.972	273.003	277.624
Alcoholic beverages	251.786	250.982	255.672	254.162	260.376
<b>Housing</b>	269.885	273.499	276.047	283.565	294.510
Shelter	285.979	289.519	298.217	309.116	322.017
Rent of primary residence	281.572	287.813	295.635	303.583	313.704
Owners' equivalent rent	296.499	298.747	308.127	320.863	335.159
<b>Fuels and Utilities</b>	363.734	375.685	329.285	318.341	334.333
Household energy	326.966	334.996	267.540	243.208	263.579
Energy services*	322.311	330.151	262.786	238.477	259.124
Electricity	318.855	327.118	260.267	236.276	256.98
Utility (piped) gas service	328.520	331.538	267.090	235.752	252.444
<b>Household Furnishings and Operations</b>	153.196	151.278	149.060	148.734	146.275
<b>Apparel</b>	119.011	111.141	108.893	111.736	115.762
<b>Transportation</b>	233.133	236.373	216.756	211.645	217.646
Private transportation	236.516	237.308	212.590	203.453	213.267
<b>Motor Fuel</b>	324.575	317.398	229.138	198.214	227.755
Gasoline (all types)	333.975	326.302	235.085	203.309	233.622
Gasoline, unleaded regular	355.142	346.012	247.260	212.986	244.414
Gasoline, unleaded midgrade <sup>1</sup>	259.349	257.427	189.913	164.233	189.983
Gasoline, unleaded premium	294.709	287.258	209.894	183.356	212.037

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## 1.4.5

### CONTINUED

Group	2013	2014	2015	2016	2017
<b>Medical Care</b>	345.184	351.763	378.876	400.408	407.384
<b>Recreation<sup>2</sup></b>	116.818	119.586	121.840	124.872	125.781
<b>Education and Communication<sup>2</sup></b>	139.423	143.488	147.869	149.785	144.410
<b>Other Goods and Services</b>	447.178	457.958	478.634	484.820	488.990
<b>Special Aggregate Indexes</b>					
All items less shelter	240.466	244.165	243.833	246.306	250.295
All items less medical care	249.131	252.635	253.811	258.001	264.714
All items less energy	251.027	255.021	262.680	269.892	275.658
All items less food and energy	252.469	256.238	263.255	271.023	276.976
Commodities	200.602	201.057	197.792	197.263	201.985
Commodities less food	171.027	169.051	158.807	155.419	159.942
Commodities less food and beverage	167.714	165.695	154.989	151.538	155.984
Nondurables	233.677	234.514	230.105	230.373	236.927
Nondurables less food	215.900	212.561	193.935	189.629	197.834
Nondurables less food and beverage	213.540	210.020	189.890	185.364	193.66
Services	300.849	307.192	314.368	324.441	332.966
Services less rent of shelter <sup>3</sup>	320.021	330.028	335.192	343.671	345.072
Services less medical care	295.971	302.124	307.041	316.432	325.378

\* 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 2016*

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	42,060	5,386	7.8	75.81
Moloka'i General Hospital	9	161	42	3.8	4.90
<b>Critical Care</b>					
Maui Memorial Medical Center	29	7,406	1,751	4.2	69.97
<b>Obstetric</b>					
Maui Memorial Medical Center	22	3,393	1,711	2.0	42.25
Moloka'i General Hospital	2	22	19	1.2	3.01
<b>Psychiatric</b>					
Maui Memorial Medical Center	11	2,499	525	4.8	62.24
<b>SNF/ICF</b>					
Hale Makua Kahului	254	83,636	410	204.0	90.21
Hale Makua Wailuku	90	28,723	43	668.0	87.44
Kula Hospital	105	28,246	23	1228.1	73.70
Lāna'i Community Hospital	10	3,450	5	690.0	94.52
<b>Acute/SNF Swing</b>					
Kula Hospital	9	342	9	38.0	10.41
Moloka'i General Hospital	4	314	25	12.6	21.51
<b>SNF/ICF ID</b>					
Kula Hospital	9	2,915	0	NA	88.74
<b>Hansen's Disease</b>					
Kalaupapa Care Home	5	445	8	55.6	24.38
<b>Other: STF</b>					
Ai Pono Maui	8	2,228	33	67.5	76.30
Aloha House, Inc.	48	12,547	868	14.5	71.62
<b>Maui County Total</b>	<b>771</b>	<b>218,397</b>	<b>10,861</b>	<b>187.8</b>	<b>52.81</b>

NA: Not available. SNF: Skilled Nursing Facility. ICF: Intermediate Care Facility.  
SNF/ICF ID: Facility providing skilled nursing care or intermediate care services for persons who have intellectual disabilities.  
STF: Special Treatment Facility.

SOURCE: HAWAII STATE DEPARTMENT OF HEALTH, STATE HEALTH PLANNING AND DEVELOPMENT AGENCY, HEALTH CARE UTILIZATION REPORT 2016.

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	5	20	4,182	5.98
Kīhei	1	5	3,225	1.55
Wailuku	4	19	3,425	5.84
Maui Island Total	10	44	18,148	2.76
Moloka'i	3	15	1,181	8.47
Lāna'i	0	0	474	0.00
Maui County Total	13	59	19,803	3.03
Hawai'i County	49	220	26,834	8.53
Kaua'i County	9	39	9,985	4.31
City and County of Honolulu	364	1,739	138,490	12.89
<b>State Total</b>	<b>435</b>	<b>2,057</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	37	510	138,490	3.70
<b>State Total</b>	<b>38</b>	<b>532</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, DECEMBER 18, 2017.

1.5.3

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

	Acupuncturist	Chiropractor	Dental Hygienist	Dentist	Massage Therapist
Maui	81	67	115	95	1,301
Moloka'i	0	1	3	5	14
Lāna'i	0	1	0	1	21
O'ahu	285	195	620	847	3,537
Hawai'i	118	66	79	106	993
Kaua'i	40	27	40	42	548
<b>State Subtotal</b>	<b>524</b>	<b>357</b>	<b>857</b>	<b>1,096</b>	<b>6,414</b>
Mainland	173	155	256	404	816
Foreign/Other	5	4	0	15	64
<b>Total</b>	<b>702</b>	<b>516</b>	<b>1,113</b>	<b>1,515</b>	<b>7,294</b>

	Certified Physician's Assistant	Emergency Medical Tech.	Emergency Medical Tech. Paramedic	Physician or Surgeon <sup>1</sup>	Osteopathic Physician and Surgeon
Maui	38	79	40	398	27
Moloka'i	0	0	5	10	1
Lāna'i	0	0	0	1	1
O'ahu	184	411	310	3,559	217
Hawai'i	26	306	113	444	49
Kaua'i	9	45	20	172	19
<b>State Subtotal</b>	<b>257</b>	<b>841</b>	<b>488</b>	<b>4,584</b>	<b>314</b>
Mainland	97	11	59	4,514	538
Foreign/Other	0	0	0	46	0
<b>Total</b>	<b>354</b>	<b>852</b>	<b>547</b>	<b>9,144</b>	<b>852</b>

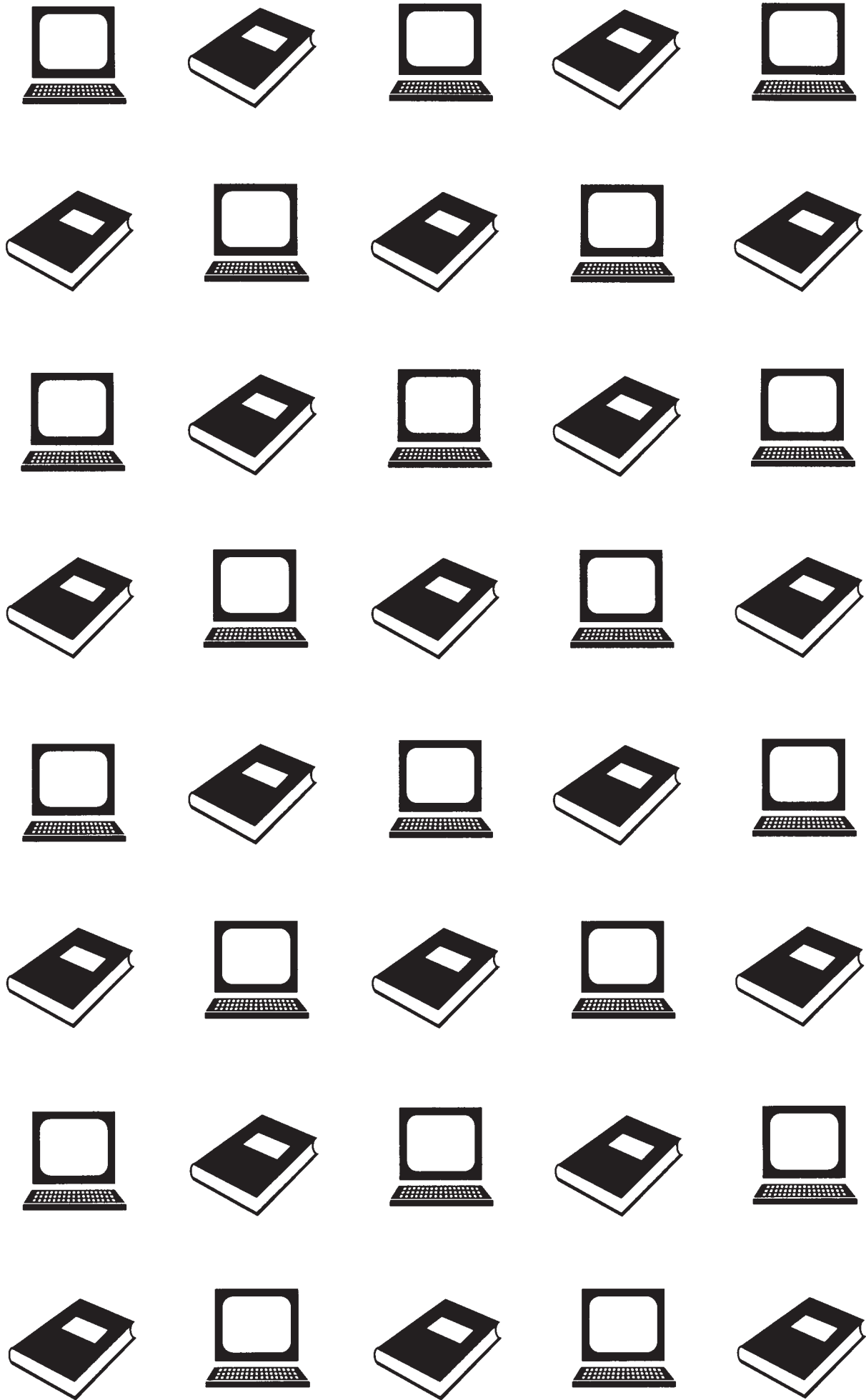
	Licensed Practical Nurse	Registered Nurse	Advanced Practice Registered Nurse	Occupational Therapist	Physical Therapist
Maui	298	1,479	68	43	117
Moloka'i	7	35	8	0	3
Lāna'i	0	22	2	0	0
O'ahu	995	11,415	790	278	688
Hawai'i	301	1,873	134	57	116
Kaua'i	132	718	52	21	60
<b>State Subtotal</b>	<b>1,733</b>	<b>15,542</b>	<b>1,054</b>	<b>399</b>	<b>984</b>
Mainland	286	6,828	304	226	494
Foreign/Other	5	77	3	2	6
<b>Total</b>	<b>2,024</b>	<b>22,447</b>	<b>1,361</b>	<b>627</b>	<b>1,484</b>

	Naturopath	Optometrist	Pharmacist	Podiatrist	Psychologist
Maui	17	22	122	4	54
Moloka'i	0	0	3	0	1
Lāna'i	0	0	0	0	1
O'ahu	37	225	1,088	30	628
Hawai'i	31	29	172	6	92
Kaua'i	11	13	69	1	30
<b>State Subtotal</b>	<b>96</b>	<b>289</b>	<b>1,454</b>	<b>41</b>	<b>806</b>
Mainland	43	146	1,209	44	305
Foreign/Other	1	2	5	1	4
<b>Total</b>	<b>140</b>	<b>437</b>	<b>2,668</b>	<b>86</b>	<b>1,115</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 OCTOBER 9, 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

'Īao 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 12

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	2014-2015	2015-2016	2016-2017	2017-2018
<b>Elementary Schools</b>				
Ha'ikū	458,860	426,901	518,325	424,361
Kahului	1,112,772	1,111,581	1,116,156	694,252
Kamali'i	397,446	214,429	323,408	232,322
Kamehameha III	841,659	966,667	1,054,167	686,120
Kaunakakai	453,808	402,794	292,651	374,597
KThei	744,901	292,397	663,210	631,529
Kilohana	108,209	113,572	173,317	179,279
Kula	337,381	540,702	522,146	284,071
Lihikai	1,099,616	1,095,115	970,837	919,870
Makawao	500,486	610,392	787,568	608,501
Maunaloa	144,643	99,276	73,887	195,090
Nahi'ena'ena	789,407	797,351	942,564	725,886
Pā'ia	462,634	389,970	305,615	380,576
Pomaika'i	356,413	367,183	394,308	389,881
Pukalani	443,619	282,501	501,738	136,029
Pu'u Kukui	533,067	490,184	478,418	357,617
Waihe'e	601,883	574,523	738,247	406,885
Wailuku	584,773	434,291	620,172	715,160
<b>Intermediate Schools</b>				
Īao	1,078,410	1,307,325	811,659	794,503
Kalama	739,678	620,376	774,225	448,498
Lahaina	573,920	517,071	792,977	474,986
Lokelani	532,142	587,009	481,466	264,285
Maui Waena	802,240	986,799	1,204,364	1,063,629
Moloka'i Middle	697,713	610,228	473,667	578,988
<b>High Schools</b>				
Baldwin	851,035	662,854	742,158	617,254
King Kekaulike	1,278,974	927,481	1,093,579	781,906
Lahainaluna	986,374	669,014	1,198,120	752,003
Maui	1,254,172	1,069,718	1,710,089	1,210,684
Moloka'i	424,813	296,857	370,025	484,501
<b>Multi-Level Schools</b>				
Hāna High & Elementary	571,431	761,539	1,060,259	979,225
Lāna'i High & Elementary	157,867	164,279	471,843	374,605
<b>Total</b>	<b>\$19,920,346</b>	<b>\$18,390,379</b>	<b>\$21,661,165</b>	<b>\$17,167,093</b>

Allocations do not include salaries.

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION.

## 2.3

## PUBLIC SCHOOLS ENROLLMENT BY GRADES MAUI DISTRICT

School	2013	2014	2015	2016	2017
<b>Elementary Schools</b>					
Ha'ikū	501	479	483	482	490
Kahului	1,064	983	954	949	964
Kamali'i	585	530	481	452	482
Kamehameha III	813	773	790	747	720
Kaunakakai	290	274	298	280	275
Kīhei	947	864	801	786	768
Kilohana	80	65	80	82	83
Kula	396	391	433	446	439
Lihikai	943	897	901	872	846
Makawao	550	527	541	536	541
Maunaloa	61	55	60	51	41
Nahi'ena'ena	761	724	720	711	717
Pā'ia	356	338	364	379	404
Pomaika'i	550	544	574	580	593
Pukalani	478	441	405	436	407
Pu'u Kukui <sup>1</sup>	541	655	692	738	778
Waihe'e	775	742	752	740	685
Wailuku	740	704	694	669	686
<b>Intermediate Schools</b>					
Īao	886	889	918	904	953
Kalama	788	822	861	883	856
Lahaina	626	635	674	712	724
Lokelani	550	553	594	584	591
Maui Waena	1,095	1,109	1,143	1,183	1,176
Moloka'i Middle	209	197	179	168	199
<b>High Schools</b>					
Baldwin	1,538	1,467	1,398	1,361	1,361
King Kekaulike	1,017	1,086	1,043	1,085	1,088
Lahainaluna	1,028	1,014	964	1,007	1,020
Maui	1,908	1,931	1,906	1,941	1,950
Moloka'i	336	353	340	335	343
<b>Multi-Level Schools</b>					
Hāna High & Elementary	336	341	337	349	356
Lāna'i High & Elementary	582	567	557	562	569
<b>Total</b>	<b>21,330</b>	<b>20,950</b>	<b>20,937</b>	<b>21,010</b>	<b>21,105</b>

1. Opened in August 2013.

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION.

## 2.4

## STUDENT PROFILES IN PUBLIC SCHOOLS MAUI DISTRICT, 2016-2017

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	482	90.0%	51.4%	7.6%	4.5%
Kahului	949	95.9%	55.0%	4.8%	21.7%
Kamali'i	452	91.8%	34.5%	7.9%	5.0%
Kamehameha III	747	93.8%	48.5%	6.2%	14.7%
Kaunakakai	280	92.5%	**	12.8%	*
Kīhei	786	94.1%	56.8%	8.0%	16.5%
Kilohana	82	90.2%	**	*	*
Kula	446	92.8%	46.6%	8.7%	2.4%
Lihikai	872	96.2%	64.9%	5.3%	23.9%
Makawao	536	94.2%	58.9%	9.3%	4.1%
Maunaloa	51	90.1%	**	*	*
Nahi'ena'ena	711	96.3%	49.0%	6.6%	18.7%
Pā'ia	379	94.4%	61.2%	5.8%	*
Pomaika'i	580	98.1%	25.8%	8.9%	2.5%
Pukalani	436	91.5%	52.2%	10.7%	3.8%
Pu'u Kukui	738	95.6%	38.7%	5.8%	5.4%
Waihe'e	740	96.0%	59.3%	6.0%	3.3%
Wailuku	669	93.5%	66.0%	9.7%	16.4%
<b>Intermediate Schools</b>					
Īao	904	95.4%	48.7%	11.7%	4.7%
Kalama	883	94.6%	54.6%	13.9%	1.4%
Lahaina	712	95.6%	46.2%	10.1%	11.6%
Lokelani	584	95.3%	46.4%	10.9%	7.3%
Maui Waena	1,183	96.3%	51.0%	9.3%	9.2%
Moloka'i Middle	168	91.6%	**	18.4%	*
<b>High Schools</b>					
Baldwin	1,361	95.8%	35.1%	9.4%	3.9%
King Kekaulike	1,085	94.4%	47.0%	14.0%	0.9%
Lahainaluna	1,007	93.7%	36.3%	10.3%	10.1%
Maui	1,941	93.5%	38.3%	9.6%	7.6%
Moloka'i	335	96.1%	**	14.3%	*
<b>Multi-Level Schools</b>					
Hāna High & Elem.	349	92.5%	**	13.1%	*
Lāna'i High & Elem.	562	96.6%	**	15.4%	12.8%
<b>Total</b>	<b>21,010</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 STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2016-2017.

## 2.5

## ETHNIC PROFILES IN PUBLIC SCHOOLS MAUI DISTRICT, 2016-2017

School	Chinese	Filipino	Hawaiian	Japanese	Portuguese	Hispanic	White	Other <sup>1</sup>
<b>Elementary Schools</b>								
Ha'ikū	0.0%	4.5%	18.2%	4.3%	3.1%	2.6%	53.5%	13.8%
Kahului	0.8%	53.0%	16.2%	4.7%	0.9%	2.8%	4.0%	17.6%
Kamali'i	0.4%	11.0%	9.0%	1.9%	0.4%	7.3%	62.6%	7.4%
Kamehameha III	0.5%	16.8%	12.3%	3.2%	0.8%	13.6%	37.2%	15.6%
Kaunakakai	0.7%	11.4%	70.7%	3.9%	0.7%	0.7%	7.1%	4.8%
KThei	0.2%	30.4%	17.9%	1.7%	0.8%	6.9%	30.0%	12.1%
Kilohana	0.0%	2.4%	85.3%	1.2%	0.0%	1.2%	7.3%	2.6%
Kula	1.1%	3.3%	27.1%	6.0%	7.1%	2.9%	45.0%	7.5%
Lihikai	0.2%	40.7%	18.5%	4.1%	3.6%	6.7%	4.0%	22.2%
Makawao	0.5%	8.7%	32.4%	4.6%	9.7%	2.9%	29.2%	12.0%
Maunaloa	1.9%	3.9%	86.2%	0.0%	0.0%	0.0%	5.8%	2.2%
Nahi'ena'ena	0.0%	48.8%	24.3%	1.5%	0.5%	7.0%	7.7%	10.2%
Pā'ia	0.7%	8.7%	64.1%	3.1%	4.2%	0.7%	12.4%	6.1%
Pomaika'i	1.0%	35.5%	10.3%	15.6%	3.4%	1.3%	25.3%	7.6%
Pukalani	0.6%	14.2%	29.5%	10.5%	6.4%	4.8%	24.5%	9.5%
Pu'u Kukui	1.2%	20.3%	21.0%	16.8%	4.0%	3.5%	19.7%	13.5%
Waihe'e	0.1%	27.9%	44.8%	5.8%	3.6%	0.8%	7.7%	9.3%
Wailuku	1.1%	18.6%	30.7%	7.6%	3.4%	3.1%	11.8%	23.7%
<b>Intermediate Schools</b>								
Ī'ao	2.1%	22.7%	38.2%	9.8%	2.7%	2.9%	7.8%	13.8%
Kalama	1.4%	9.5%	39.9%	7.3%	4.3%	5.3%	24.2%	8.1%
Lahaina	1.1%	36.6%	19.3%	3.5%	0.4%	13.6%	15.5%	10.0%
Lokelani	0.3%	27.9%	17.8%	2.3%	0.0%	10.4%	29.9%	11.4%
Maui Waena	1.4%	50.0%	18.7%	6.5%	1.3%	3.6%	5.4%	13.1%
Moloka'i Middle	0.0%	10.7%	81.5%	1.7%	0.0%	0.0%	4.7%	1.4%
<b>High Schools</b>								
Baldwin	2.3%	24.9%	33.6%	9.9%	2.4%	4.4%	10.8%	11.7%
King Kekaulike	1.5%	11.7%	34.2%	5.8%	4.7%	4.5%	29.8%	7.8%
Lahainaluna	0.7%	33.9%	22.2%	3.0%	0.6%	15.0%	15.8%	8.8%
Maui	0.8%	50.3%	16.6%	5.1%	0.9%	4.5%	10.4%	11.4%
Molokai	0.0%	14.6%	78.5%	0.5%	0.0%	0.0%	2.9%	3.5%
<b>Multi-Level Schools</b>								
Hāna High & Elem.	0.0%	0.8%	75.6%	1.1%	0.0%	1.1%	15.7%	5.7%
Lāna'i High & Elem.	0.8%	53.5%	17.9%	2.4%	0.8%	2.6%	9.4%	12.6%

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

SOURCE: HAWAII STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2016-2017.

## 2.6

**COMMUNITY PROFILES IN PUBLIC SCHOOLS  
MAUI DISTRICT, 2016-2017**

<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 2016-2017.

## 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 2016-2017.

## 2.8

## SCHOOL COMPLETION IN PUBLIC SCHOOLS MAUI DISTRICT, 2016-2017

School	Total Completers <sup>1</sup>	Diploma Graduates	Certificate of Completion	Individual Program	School Dropouts <sup>2</sup>
<b>High Schools</b>					
Baldwin	96.9%	96.2%	0.0%	0.6%	15.8%
King Kekaulike	95.5%	93.0%	0.0%	2.4%	15.5%
Lahainaluna	92.0%	91.0%	0.0%	1.0%	20.8%
Maui	98.2%	96.9%	0.0%	1.2%	17.2%
Moloka'i	100.0%	96.1%	0.0%	3.8%	15.3%
<b>Multi-Level Schools</b>					
Hāna High & Elem.	100.0%	100.0%	0.0%	0.0%	*
Lāna'i High and Elem.	100.0%	97.6%	0.0%	2.3%	*

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 2016-2017.

## 2.9

## TEACHING STAFF PROFILES IN PUBLIC SCHOOLS MAUI DISTRICT, 2016-2017

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	29	13	11	13.0	18.5	7.4
Kahului	57	30	21	10.4	18.8	6.5
Kamali'i	33	15	16	10.2	15.4	6.0
Kamehameha III	47	26	19	10.6	17.9	9.4
Kaunakakai	22	14	6	14.1	14.3	7.2
Kīhei	55	29	20	9.2	16.0	9.0
Kilohana	8	5	1	10.8	11.2	3.0
Kula	25	14	7	13.1	18.5	13.0
Lihikai	57	38	12	14.1	17.1	5.8
Makawao	39	27	9	15.3	16.7	5.5
Maunaloa	5	3	4	9.7	9.0	0.0
Nahi'ena'ena	46	20	15	9.4	18.4	6.7
Pā'ia	19	9	4	10.5	23.0	7.3
Pomaika'i	37	24	11	10.5	17.0	8.6
Pukalani	26	9	10	8.7	18.5	11.7
Pu'u Kukui	44	0	16	12.1	17.5	10.7
Waihe'e	46	32	12	14.3	17.8	7.5
Wailuku	44	31	17	13.4	16.7	8.1
<b>Intermediate Schools</b>						
Īao	55	23	18	10.5	16.9	13.2
Kalama	64	33	29	12.2	14.9	9.4
Lahaina	44	24	23	9.6	18.8	10.2
Lokelani	45	19	20	10.2	14.4	8.0
Maui Waena	68	40	24	11.8	19.1	10.0
Moloka'i Middle	13	9	2	17.6	12.4	15.5
<b>High Schools</b>						
Baldwin	79	46	41	12.3	19.2	9.8
King Kekaulike	73	40	39	10.5	16.6	9.5
Lahainaluna	61	33	17	9.8	18.0	10.4
Maui	117	67	57	11.1	17.8	11.0
Moloka'i	22	16	9	14.6	15.9	12.0
<b>Multi-Level Schools</b>						
Hāna High & Elem.	31	18	13	10.9	12.6	7.6
Lāna'i High & Elem.	43	17	9	9.4	15.3	7.9
<b>Total</b>	<b>1,354</b>	<b>724</b>	<b>512</b>			

SOURCE: HAWAII'S STATE DEPARTMENT OF EDUCATION, ACCOUNTABILITY RESOURCE CENTER (ARCH), SCHOOL STATUS AND IMPROVEMENT REPORTS, SCHOOL YEAR 2016-2017.



## 2.10

## SUBJECT PROFICIENCIES IN PUBLIC SCHOOLS MAUI DISTRICT, 2016-2017

School	Grade	% Proficient Reading	% Proficient Math	% Proficient Science <sup>1</sup>
<b>Elementary Schools</b>				
Ha'ikū	4	57%	49%	67%
Kahului	4	49%	44%	57%
Kamali'i	4	65%	71%	88%
Kamehameha III	4	61%	53%	61%
Kaunakakai	4	40%	35%	54%
Kihei	4	45%	46%	48%
Kilohana	4	36%	36%	100%
Kula	4	50%	54%	70%
Lihikai	4	52%	47%	48%
Makawao	4	61%	67%	69%
Maunaloa	4	NA	NA	NA
Nahi'ena'ena	4	44%	42%	45%
Pā'ia	4	53%	35%	51%
Pomaika'i	4	62%	59%	62%
Pukalani	4	57%	43%	76%
Pu'u Kukui	4	45%	41%	50%
Waihe'e	4	48%	59%	58%
Wailuku	4	28%	33%	49%
<b>State Average</b>	4	48%	48%	57%
<b>Intermediate Schools</b>				
Īao	8	32%	21%	24%
Kalama	8	33%	25%	46%
Lahaina	8	37%	25%	20%
Lokelani	8	41%	34%	38%
Maui Waena	8	39%	28%	50%
Moloka'i Middle	8	26%	33%	20%
<b>State Average</b>	8	47%	38%	42%
<b>High Schools</b>				
Baldwin	11	50%	25%	31%
King Kekaulike	11	60%	33%	50%
Lahainaluna	11	29%	18%	17%
Maui	11	41%	27%	25%
Moloka'i	11	44%	13%	27%
<b>State Average</b>	11	57%	31%	36%
<b>Multi-Level Schools</b>				
Hāna High & Elem.	11	53%	24%	4%
Lāna'i High & Elem.	11	45%	14%	10%
<b>State Average</b>	11	57%	31%	36%

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 2016-2017.

**PRIVATE SCHOOLS CHARACTERISTICS  
MAUI COUNTY, 2015-2016**

School	Classroom Teachers (FTE)	Student Teacher Ratio	American				Native Hawaiian/Pacific Islander			Two or more races
			Indian/Alaskan Native	Asian	Black	Hispanic	White	Islander	more races	
Aka'ula School	2.6	14.2	0	0	0	4	4	29	0	
Clearview Christian Girl's School	1.0	4.0	0	0	0	0	2	2	0	
Doris Todd Christian Academy	15.9	9.6	4	22	2	6	78	25	16	
Emmanuel Lutheran	10.1	13.8	2	36	2	11	38	19	31	
Hoomana Hou	1.0	5.0	0	0	0	0	0	5	0	
Kamehameha Schools Maui	80.6	12.8	0	0	0	0	0	1,032	0	
Maui Adventist School	2.0	11.0	0	9	0	2	3	0	8	
Maui Preparatory Academy	18.6	10.1	4	17	0	5	105	8	48	
Montessori Hale O Keiki	10.6	4.5	0	0	0	1	30	11	6	
Roots School	5.6	8.4	0	3	0	1	33	3	7	
Sacred Hearts Elementary	11.9	14.8	0	26	1	15	118	10	6	
Seabury Hall	45.6	10.0	2	10	2	8	230	83	122	
St. Anthony Grade School	9.0	13.9	0	32	0	3	50	38	2	
St. Anthony Junior & Senior High	16.0	8.9	0	8	1	4	34	0	96	

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	10,250 - 13,250
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	10,000 -16,600
Horizons Academy of Maui	27,600
Kaahumanu Hou Christian	4,200 - 5,225
Kamehameha Schools Maui	4,374 - 5,381
Maui Adventist	6,500
Maui Preparatory Academy	6,950 - 18,406
Montessori Hale O Keiki	10,970 - 12,700
Montessori School of Maui	13,230 - 15,450
ROOTS School of Maui	8,100
Sacred Hearts Elementary	7,000 - 8,100
Seabury Hall	19,910
St. Anthony Grade School	6,000 - 13,500
St. Anthony Junior & Senior High	6,000 - 13,500

SOURCE: HONOLULU MAGAZINE AND HAWAII' ASSOCIATION OF INDEPENDENT SCHOOLS (HAIS), 2018 HAWAII' PRIVATE SCHOOL GUIDE.

## 2.13

**PRIVATE SCHOOLS ENROLLMENT BY GRADES  
MAUI COUNTY, 2016-2017**

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	1	3	5	9	5	2	3	3	31
Carden Academy of Maui	0	12	10	16	15	15	16	18	18	14	18	0	0	0	0	152
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	28	40	21	24	24	28	20	22	21	24	5	11	11	17	316
Ho'omana Hou School	0	0	0	0	0	0	0	0	0	0	0	5	8	1	0	14
Horizons Academy of Maui	0	0	0	0	0	4	0	0	0	0	1	2	1	0	2	10
Ka'ahumanu Hou Christian	0	60	8	5	4	0	4	2	4	6	3	3	4	6	3	112
Kamehameha Schools Maui	0	0	40	40	40	48	48	48	108	108	108	120	120	120	120	1,068
Maui Adventist	0	0	0	2	3	2	2	1	2	5	3	0	0	0	0	20
Maui Preparatory Academy	0	17	9	8	14	11	15	13	14	15	16	23	14	15	21	205
Montessori Hale O Keiki	0	36	6	4	6	5	3	3	3	6	2	0	0	0	0	74
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	17	6	7	5	6	2	1	6	2	7	0	0	0	0	59
Sacred Hearts School	0	38	25	21	15	26	21	16	0	22	17	0	0	0	0	201
Seabury Hall	0	0	0	0	0	0	0	0	47	47	45	78	82	73	75	447
St. Anthony	0	48	20	20	20	20	20	20	25	29	23	25	14	14	24	322
<b>Total</b>	<b>28</b>	<b>363</b>	<b>228</b>	<b>205</b>	<b>200</b>	<b>209</b>	<b>217</b>	<b>198</b>	<b>293</b>	<b>314</b>	<b>318</b>	<b>271</b>	<b>260</b>	<b>250</b>	<b>268</b>	<b>3,642</b>

\* Early Childhood Education Program.

SOURCE: HAWAII ASSOCIATION OF INDEPENDENT SCHOOLS, PRIVATE SCHOOL ENROLLMENT REPORT 2016-2017.

2.14

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

<b>As of June 30</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Library Locations <sup>1</sup>	8	8	8	8
Personnel	42	42	45	46
Circulation, year ending June 30	671,716	642,008	607,218	590,069
Collections				
Books	394,186	392,194	383,446	344,539
Periodical Subscriptions	662	631	684	237
DVDs and Videotapes	23,710	23,829	25,540	26,874
Sound Recordings	20,058	19,812	18,231	16,435

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>
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	62,592	12,913	25	17,008
2016	55,857	422	25	20,855

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

2. Electronic titles include books, journals, databases. Since 2015, titles purchased by the library outside of consortium purchases. 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)*

	2013	2014	2015	2016	2017
<b>Total</b>	<b>601</b>	<b>660</b>	<b>575</b>	<b>594</b>	<b>668</b>
<b>General</b>	<b>181</b>	<b>272</b>	<b>256</b>	<b>288</b>	<b>307</b>
Hawaiian Studies (Associate)	8	10	12	11	13
Liberal Arts (Associate)	171	261	243	277	291
Natural Sciences (Associate of Science)	2	1	1	0	3
<b>Career &amp; Technical Education</b>	<b>420</b>	<b>388</b>	<b>319</b>	<b>306</b>	<b>361</b>
<b>Business Education</b>	<b>102</b>	<b>110</b>	<b>78</b>	<b>66</b>	<b>67</b>
Certificate of Achievement	49	42	16	19	23
Associate of Applied Science	48	59	57	45	37
Bachelor of Applied Science	5	9	5	2	7
<b>Food Services</b>	<b>74</b>	<b>73</b>	<b>44</b>	<b>49</b>	<b>62</b>
Certificate of Achievement	32	25	8	21	28
Associate of Applied Science	42	48	36	28	34
<b>Health Services</b>	<b>144</b>	<b>116</b>	<b>106</b>	<b>73</b>	<b>83</b>
Certificate of Achievement	72	55	50	25	37
Associate of Science	72	61	56	48	46
<b>Public Services</b>	<b>36</b>	<b>33</b>	<b>39</b>	<b>50</b>	<b>46</b>
Certificate of Achievement	14	15	15	17	19
Associate of Science	15	12	16	21	20
Associate of Applied Science	7	6	8	12	7
<b>Technology</b>	<b>64</b>	<b>56</b>	<b>52</b>	<b>68</b>	<b>103</b>
Certificate of Achievement	20	18	16	14	49
Associate of Science	12	4	11	12	10
Associate of Applied Science	28	30	19	25	34
Associate in Technical Studies	0	0	4	2	1
Bachelor of Applied Science	4	4	2	15	9

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 2017

Maui County	Total Graduates	UH System	Mānoa	Hilo	West O'ahu	Maui College	Other Campuses
<b>Public Schools</b>	<b>1,281</b>	<b>425</b>	<b>49</b>	<b>13</b>	<b>0</b>	<b>316</b>	<b>47</b>
Baldwin	285	87	13	2	0	67	5
Hāna	23	7	0	2	0	4	1
Kīhei Charter School	51	16	7	1	0	6	2
King Kekaulike	235	59	2	1	0	48	8
Lahainaluna	184	46	6	0	0	35	5
Maui	384	180	16	5	0	145	14
Lāna'i	42	13	4	0	0	2	7
Moloka'i	77	17	1	2	0	9	5
<b>Private Schools</b>	<b>252</b>	<b>46</b>	<b>8</b>	<b>7</b>	<b>0</b>	<b>30</b>	<b>1</b>
Doris Todd Christian	3	0	0	0	0	0	0
Haleakala Waldorf	18	0	0	0	0	0	0
Hoomana Hou	3	1	0	0	0	1	0
Ka'ahumanu Hou	114	33	2	6	0	24	1
Kamehameha Maui	2	1	0	0	0	1	0
Maui Christian Academy	21	3	2	1	0	0	0
Maui Preparatory	14	4	1	0	0	3	0
Saint Anthony	77	4	3	0	0	1	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 2017.

## 2.18

## ENROLLMENT PROJECTIONS UNIVERSITY OF HAWAII MAUI COLLEGE

	Historic	Projections					
	2016	2017	2018	2019	2020	2021	2022
<b>Total</b>	<b>3,342</b>	<b>3,240</b>	<b>3,186</b>	<b>3,095</b>	<b>3,040</b>	<b>3,007</b>	<b>2,977</b>
<b>Status</b>							
Full-time	1,167	1,131	1,113	1,081	1,062	1,050	1,040
Part-time	2,175	2,109	2,073	2,014	1,978	1,957	1,937
<b>Degree Type</b>							
Liberal Arts	1,356	1,295	1,264	1,226	1,202	1,187	1,174
Career & Technical Ed	1,207	1,164	1,135	1,103	1,079	1,061	1,046
Unclassified	133	136	135	134	131	130	129
Specials	347	347	358	343	347	352	355
Home-based at Other UH Campus	168	172	172	170	165	163	159

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

## 2.19

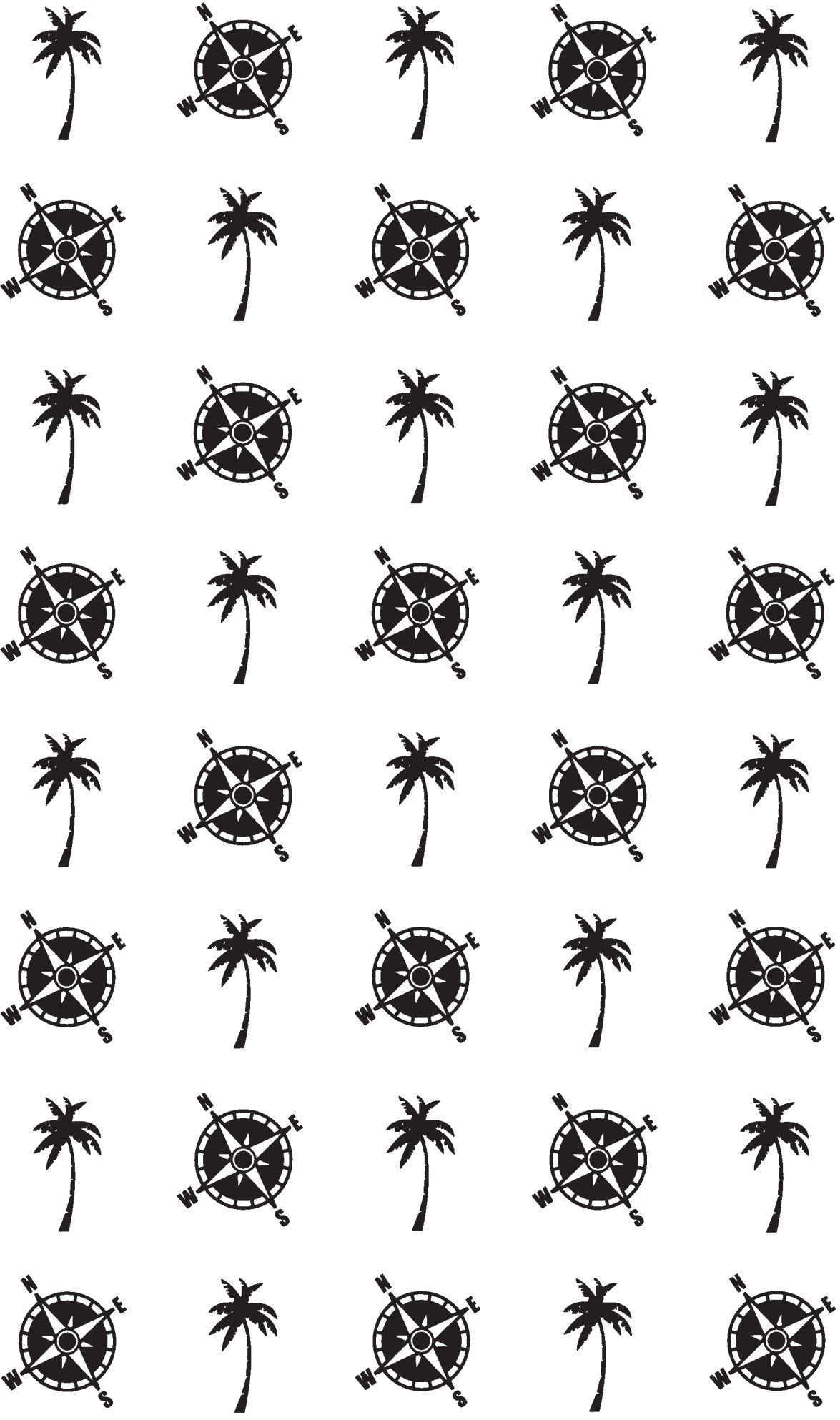
## HISTORICAL ENROLLMENT, FACULTY & STAFF UNIVERSITY OF HAWAI'I MAUI COLLEGE

Fall Semester	Students Enrolled		
	Total	Full-time	Part-time
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
2017	3,302	1,178	2,124

	Number of Employees		
	2015	2016	2017
Board of Regents Appointees	306	309	322
Faculty	236	233	244
Professor	14	13	12
Associate Professor	13	17	23
Assistant Professor	32	26	22
Instructor	31	31	33
Lecturer	128	122	127
Other	18	24	27
Support Staff	61	68	70
Executive Staff	9	8	8
Civil Service Staff	56	54	57
<b>Total Employees</b>	<b>362</b>	<b>363</b>	<b>379</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>6,468.2</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	4,029.4	4,028.42	1.0	2,578,829	2,578,189
Maui	1,170.9	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	4,029.4	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
Ni'ihau	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; HAWAI'I STATE DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF WATER AND LAND DEVELOPMENT, RECORDS, AND HAWAI'I STATE DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT, HAWAI'I, THE NATURAL ENVIRONMENT(1974), P.18.

### 3.1.4

## ELEVATIONS OF MAJOR SUMMITS

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

Island and Summit	Feet	Meters	
<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
	'Īao 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'uuanu Pali Lookout	1,186	361
	Diamond Head	760	232
	Koko Head	642	196
Punchbowl	500	152	

CONTINUES ON THE NEXT PAGE

### 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>		Awab	Awab
<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	Moloka'i	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. Motteier, Geography and Map Division, Bernice P. Bishop Museum, the sea cliffs along the northeastern coast of Moloka'i 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>Elevation (feet)</b>	<b>Annual Average</b>		<b>Warmest Month</b>		<b>Coollest 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>°F</b>	<b>Date</b>	<b>°F</b>	<b>Date</b>	
	Haleakalā Ranger Station	6,962	62.8	45.6	66.2	48.8	59.6	42.3	80	10/06/73	27	02/26/65	
	Hāna Airport	75	80.2	68.2	82.9	71.6	77.7	64.4	94	11/03/79	50	02/19/58	
	Kahului Airport	51	84.3	67.4	88.0	71.4	80.7	63.0	97	08/22/15	48	01/20/69	
	Kailua (NE Maui, Inland)	700	75.1	63.4	77.8	66.5	72.7	59.2	90	08/30/47	44	03/16/09	
	Kapalua Airport	240	81.8	69.1	85.7	72.0	78.2	65.8	98	04/20/05	58	12/31/14	
	Kula Hospital	3,030	71.4	54.9	75.2	57.8	68.1	51.7	91	06/19/35	38	01/22/97	
	Molokaʻi Airport	443	81.6	67.3	85.5	71.4	77.6	62.9	93	08/08/83	46	03/04/87	
	Lānaʻi Airport	1,300	79.7	63.3	83.5	66.7	76.0	59.7	93	07/02/04	42	01/10/93	
<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	49.74	140	121.16	1980	17.71	1962	7.65	Mar	1.38	Jun	18.50	01/09/80
	Hāna Airport	79.23	270	126.23	1965	48.36	2001	8.99	Mar	4.31	Jun	19.45	03/30/07
	Kahului Airport	17.83	91	40.63	1989	6.76	1998	3.35	Dec	0.20	Jun	6.40	12/20/17
	Kailua (NE Maui, Inland)	107.89	282	216.65	1914	75.27	1933	11.35	Mar	6.82	Jun	15.20	11/15/65
	Kapalua Airport	29.01	155	46.26	1989	5.96	2009	4.58	Dec	0.91	Sept	8.14	03/24/06
	Kula Hospital	30.76	88	70.72	1968	11.59	1998	3.93	Dec	1.48	Aug	9.01	12/20/55
	Molokaʻi Airport	24.68	111	43.14	1965	7.15	2012	4.29	Dec	0.48	Jun	9.03	02/12/89
	Lānaʻi Airport	15.59	67	47.66	1951	5.28	1999	2.47	Jan	0.44	Jul	10.45	11/10/55

Note: 1981-2010 Climate Normals.  
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, 2017**

Rainfall¹	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
<b>Maui</b>													
Ha'ikū	1.98	4.05	4.38	13.19	1.64	2.33	4.25	3.88	1.13	5.88	8.97	10.82	62.50
Haleakalā Ranger Station	4.03	2.67	5.15	6.97	3.04	1.27	2.34	1.11	1.71	1.91	12.21	5.23	47.64
Hāna Airport	3.59	3.81	5.10	10.42	2.70	4.69	3.95	NA	NA	8.26	6.61	11.44	60.57
Kahului Airport	0.55	1.93	4.14	7.77	0.08	0.12	0.25	0.26	0.06	2.08	0.94	7.92	26.10
Kailua (NE Maui)	3.29	2.02	8.72	4.24	7.73	0.93	6.15	6.54	2.44	8.42	15.93	0.09	66.50
Kapalua Airport	1.94	2.87	1.65	6.06	1.07	0.61	0.92	0.94	0.39	8.37	2.96	7.58	35.36
Kula Branch Station	0.41	2.41	4.72	7.70	2.47	2.27	0.84	1.40	0.86	4.33	0.64	3.01	31.06
Makena Golf Course	0.15	2.45	7.13	0.26	0.20	0.30	1.19	0.60	0.21	5.14	0.00	1.38	19.01
'Ohe'o	2.31	5.95	1.83	7.13	NA	8.17	4.47	5.20	5.25	12.08	9.73	4.64	66.76
Pa'akea	2.59	3.34	5.88	1.01	2.00	2.61	6.00	7.75	2.00	8.42	25.75	2.90	70.25
Pukalani	2.01	3.84	4.22	8.99	0.98	1.01	0.32	1.95	0.30	3.57	3.91	7.67	38.77
'Ulupalakua Ranch	0.47	3.24	7.94	8.16	3.13	5.48	0.86	0.26	0.90	4.95	2.69	2.82	40.90
Waihe'e Valley	6.48	3.86	5.90	NA	0.92	1.54	2.57	1.90	0.80	7.93	5.83	20.50	58.23
Wailuku	1.17	3.52	3.66	8.91	0.62	0.41	0.71	0.46	0.20	4.69	4.30	13.32	41.97
<b>Moloka'i</b>													
Maunaloa	0.23	2.34	0.18	3.27	1.56	0.82	0.79	1.52	1.74	6.90	0.92	2.03	22.30
Moloka'i Airport	0.27	1.16	1.45	6.54	1.40	0.35	0.37	0.06	0.19	3.90	0.41	2.47	18.57
Kaunakakai	0.00	NA	1.39	1.65	2.32	0.35	0.96	0.02	0.02	3.66	0.27	1.91	12.55

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	52.3	52.1	54.0	54.2	53.1	56.5	58.8	58.9	56.5	53.7	52.8	50.3	54.4
Hāna Airport	71.3	70.9	73.4	74.8	75.1	76.6	77.6	NA	NA	75.9	74.3	70.8	74.1
Kahului Airport	72.2	73.4	75.1	76.0	76.4	79.4	80.8	80.9	80.3	79.1	74.4	71.9	76.7
Kailua (NE Maui)	66.3	65.3	68.7	70.4	71.5	71.5	NA	NA	72.5	72.4	69.6	66.2	69.4
Kapalua Airport	71.1	72.2	75.1	76.6	76.1	79.1	80.2	80.6	80.4	78.2	74.3	71.3	76.3
Kula Branch Station	59.5	60.2	62.5	62.8	63.7	65.4	67.0	67.4	67.1	65.8	63.2	60.4	63.8
Kula Hospital	57.7	59.5	61.3	61.9	62.7	NA	66.0	66.4	65.8	65.2	61.6	58.8	62.4
Makana Golf Course	71.6	71.6	74.0	74.7	75.8	77.7	78.6	79.1	79.5	77.9	74.7	71.2	75.5
'Ohe'o	74.9	75.0	75.4	NA	NA	NA	79.1	79.2	78.4	77.6	75.3	72.9	76.4
<b>Moloka'i</b>													
Moloka'i Airport	70.7	72.7	74.8	73.4	75.9	79.4	82.3	80.6	79.2	77.7	74.3	70.5	76.0

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					
	2013	2014	2015	2016	2017
<b>Maui</b>					
Ha'ikū	37.99	51.19	52.28	56.14	62.50
Haleakalā Ranger Station	11.18	60.64	64.78	58.41	47.64
Hāna Airport	57.54	76.85	71.25	89.81	60.57
Kahului Airport	15.41	23.25	29.26	19.00	26.10
Kailua (NE Maui)	70.47	100.52	113.42	107.94	68.31
Kapalua Airport	21.36	36.91	32.99	30.98	35.36
Kula Branch Station	22.16	39.26	39.86	26.88	31.06
Makena Golf Course	10.80	29.82	6.79	16.72	19.01
'Ohe'o	65.76	70.42	81.89	70.65	66.76
Pa'akea	85.32	118.74	178.33	186.39	114.23
Pukalani	40.23	53.88	33.21	41.98	38.77
'Ulupalakua Ranch	26.84	42.86	42.76	29.71	40.90
Waihe'e Valley	40.63	58.75	63.72	62.42	58.23
Wailuku	19.30	22.09	36.03	24.01	41.97
<b>Moloka'i</b>					
Maunaloa	16.81	36.43	27.01	25.25	22.30
Moloka'i Airport	18.91	40.38	22.52	14.96	18.57
Kaunakakai	15.08	19.59	13.90	9.10	12.55
Average Annual Temperature, Fahrenheit					
	2013	2014	2015	2016	2017
<b>Maui</b>					
Haleakalā Ranger Station	52.5	54.7	55.0	54.7	54.4
Hāna Airport	74.2	74.9	75.4	74.7	74.1
Kahului Airport	76.5	77.0	77.2	77.2	76.7
Kailua (NE Maui)	69.7	70.2	71.0	70.2	69.4
Kapalua Airport	78.1	76.1	76.9	76.4	76.3
Kula Branch Station	63.5	64.1	64.6	64.2	63.8
Kula Hospital	63.0	63.2	63.5	63.3	62.4
Makena Golf Course	75.5	75.5	72.8	76.7	75.5
'Ohe'o	75.5	75.5	73.9	77.2	76.4
<b>Moloka'i</b>					
Moloka'i Airport	74.2	74.9	75.2	76.5	76.4

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

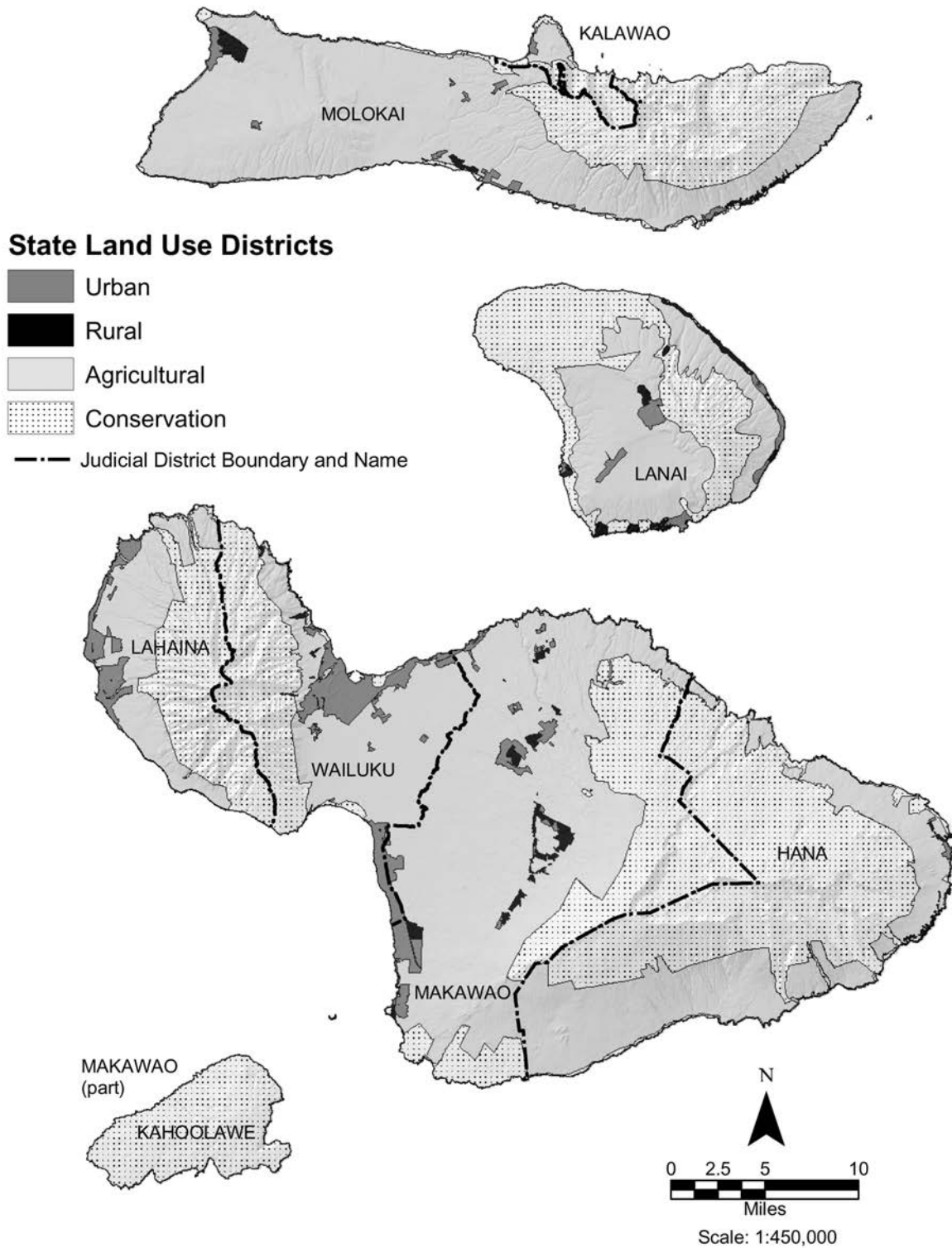
*Gross valuation in thousands  
As of mid-April*

	2012	2013	2014	2015	2016	2017
<b>Residential</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>	<b>7,695,201</b>
Land	3,503,854	3,601,197	3,686,699	4,070,656	4,261,638	4,530,061
Improvement	2,157,923	2,292,069	2,341,946	2,641,148	2,993,255	3,165,140
<b>Apartment</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>	<b>6,587,930</b>
Land	1,491,850	1,623,663	1,726,925	1,848,829	1,895,057	1,984,330
Improvement	3,242,276	3,292,887	3,507,941	4,097,938	4,382,212	4,603,600
<b>Commercial</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>	<b>3,486,977</b>
Land	1,183,383	1,196,976	1,222,050	2,043,733	2,316,865	2,076,444
Improvement	907,292	921,968	950,483	1,137,781	1,366,546	1,410,533
<b>Industrial</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>	<b>2,217,395</b>
Land	959,813	1,115,918	919,840	1,100,212	1,517,727	1,326,758
Improvement	657,813	677,213	708,349	769,368	835,011	890,637
<b>Agricultural</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>	<b>4,126,331</b>
Land	1,998,325	2,089,824	2,151,407	2,241,518	2,256,689	2,271,149
Improvement	1,135,884	1,311,504	1,363,765	1,521,390	1,743,916	1,855,182
<b>Conservation</b>	<b>406,382</b>	<b>500,531</b>	<b>471,161</b>	<b>490,533</b>	<b>525,273</b>	<b>518,667</b>
Land	281,471	295,211	281,645	285,855	305,577	295,147
Improvement	124,911	205,320	189,516	204,678	219,696	223,520
<b>Hotel/Resort</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>	<b>10,037,520</b>
Land	1,434,536	1,450,145	1,783,169	1,858,055	1,835,145	1,740,596
Improvement	5,940,394	5,954,578	7,100,922	7,520,198	7,934,261	8,296,924
<b>Homeowner</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>	<b>15,904,774</b>
Land	5,530,653	5,529,016	5,988,415	6,645,531	6,994,332	7,202,954
Improvement	6,580,712	6,643,709	6,923,257	7,673,272	8,499,447	8,701,820
<b>Time Share</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>	<b>1,982,492</b>
Land	173,172	169,889	191,541	202,790	203,455	203,455
Improvement	1,337,767	1,314,201	1,403,586	1,570,936	1,704,890	1,779,037
<b>Commercialized Residential</b>	<b>75,248</b>	<b>94,183</b>	<b>109,353</b>	<b>120,166</b>	<b>163,441</b>	<b>172,475</b>
Land	31,778	41,861	57,361	58,698	77,084	81,064
Improvement	43,470	52,323	51,992	61,469	86,357	91,411
<b>Total</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>	<b>52,729,762</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, 2016

*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.

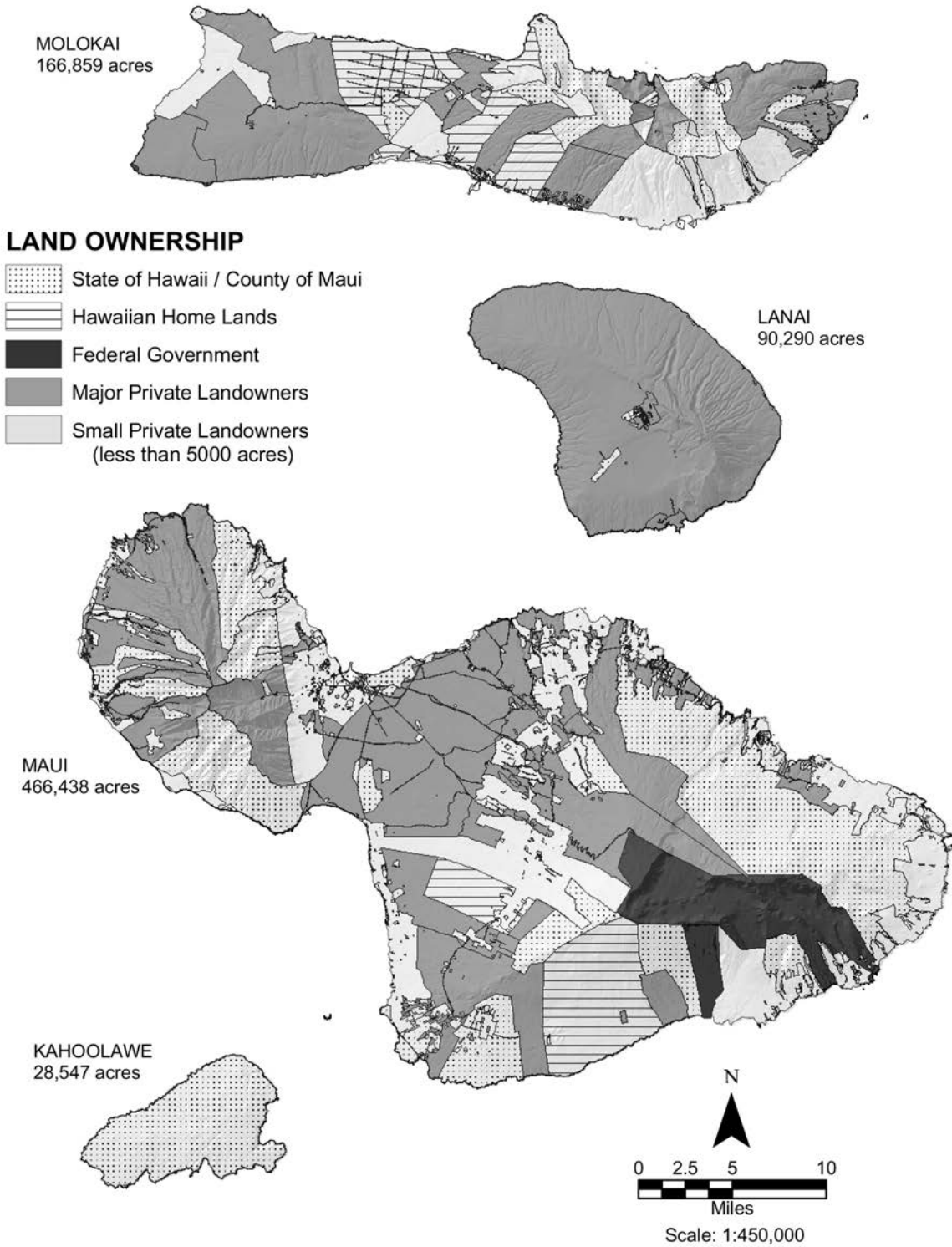
4. May be revised, pending updates of County records.

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'S STATE OFFICE OF PLANNING, HAWAII'S 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
2017	72,421	140,858	289,564	33,503	536,346

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 Heiaiau	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

Hökūkano '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

#### Island of Kaho'olawe

Kaho'olawe Archaeological District

#### Island of Lāna'i

Keāliakapu Complex-Kaunolu Village Site

Pu'u Pehe Platform

Kaheu Gulch Habitation Site

#### 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

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

#### 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

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SOURCE: HAWAII'S 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*

	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	3,750	76	771	5,729	1,644	10,690	22,660
Agricultural	4,614	0	1,075	7,089	2,226	3,690	18,694
Pastoral	609	0	197	1,952	317	0	3,075

NA: Not available

1. As of June 30, 2014.

2. As of June 30, 2016.

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

## 3.2.8

## DISPOSITION OF STATE LANDS MAUI COUNTY, 2017

Document Number	Permittee or Grantee Name	Location	Acres	Use	Annual Rent
<b>Revocable Permits</b>					
RP7868	Association of Apartment Owners of Kihei Surfside	Wailuku	2.500	Landscaping	7,500
<b>General Leases &amp; Term Easements</b>					
GL6111	Lanai Resorts, LLC	Lahaina	0.001	Encroachment	1,477*
GL6112	Lanai Resorts, LLC	Lahaina	0.013	Encroachment	31,412*
<b>Executive Orders - Set Asides</b>					
4543	Department of Education	Hana	2.409	Setting Aside Land for Public Purposes (For Teacher's Cottage Purposes)	
<b>Executive Orders - Cancellations and Withdrawals</b>					
4525	Department of Land and Natural Resources, Division of Forestry and Wildlife	Hana	441.000	Withdrawing Land from the Operation of Proclamation dated June 12, 1907	
4536	Department of Education	Makawao	0.038	Withdrawing Land from the Operation of Governor's Executive Order No. 2823 dated March 7, 1977	
4542	Hawaii Public Housing Authority	Hana	2.409	Cancellation of Governor's Executive Order No. 3333 dated April 24, 1986	
<b>Fee Conveyances</b>					
LOD29174	Kaonoulu Ranch LLLP	Makawao	29.175	Acquired for the set aside for new Kihei High School	1,401,000
LOD29175	Haleakala Ranch Company	Makawao	48.007	Acquired for the set aside for new Kihei High School	2,589,100

\* One-time payment.

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

## 3.2.9

## SINGLE FAMILY HOME AND CONDOMINIUM SALES BY AREA, MAUI COUNTY, 2017

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>								
Ha'ikū	85	31%	\$885,623	-4%	\$753,500	-11%	\$75,277,954	25%
Hāna	10	-17%	\$1,506,658	28%	\$1,148,542	64%	\$15,066,583	7%
Kā'anapali	23	5%	\$1,996,185	10%	\$1,780,000	11%	\$45,912,250	15%
Kahakuloa	1	-50%	\$575,000	-39%	\$575,000	-39%	\$575,000	-70%
Kahului	147	-5%	\$614,371	8%	\$600,000	8%	\$90,312,587	3%
Kapalua	8	-43%	\$2,615,000	-28%	\$2,487,500	-3%	\$20,920,000	-59%
Kīhei	190	8%	\$920,979	1%	\$702,000	12%	\$174,986,031	9%
Kula/Ulupalakua/Kanaio	79	23%	\$1,013,718	-11%	\$849,000	0%	\$80,083,700	10%
Lahaina	66	-6%	\$1,630,391	24%	\$1,100,000	44%	\$107,605,798	17%
Lāna'i	19	-5%	\$400,579	-10%	\$385,000	-8%	\$7,611,000	-15%
Mā'alaea	1	0%	\$3,500,000	141%	\$3,500,000	141%	\$3,500,000	141%
Makawao/Olinda/Hali'imaile	58	-12%	\$767,897	14%	\$634,500	10%	\$44,538,048	0%
Maui Meadows	28	8%	\$1,380,248	10%	\$1,280,000	-1%	\$38,646,930	19%
Moloka'i	22	22%	\$473,416	-2%	\$388,500	1%	\$10,415,160	20%
Nāpili/Kahana/Honokōwai	41	5%	\$969,328	-16%	\$905,000	2%	\$39,742,444	-12%
Olowalu	1	-50%	\$801,500	-75%	\$801,500	-75%	\$801,500	-87%
Pukalani	53	-24%	\$769,599	18%	\$680,500	9%	\$40,788,750	-11%
Spreckelsville/Pā'ia/Ku'au	24	-29%	\$2,663,087	51%	\$1,216,250	69%	\$63,914,099	8%
Wailea/Mākena	28	17%	\$4,480,996	17%	\$2,243,500	-27%	\$125,467,888	36%
Wailuku	215	10%	\$648,875	9%	\$617,435	9%	\$139,508,208	20%
<b>Maui Summary</b>	<b>1,099</b>	<b>2%</b>	<b>\$1,024,271</b>	<b>6%</b>	<b>\$695,000</b>	<b>9%</b>	<b>\$1,125,673,930</b>	<b>8%</b>
<b>Condominiums</b>								
Hana	1	0%	\$760,000	0%	\$760,000	0%	\$760,000	0%
Kā'anapali	129	-13%	\$1,068,258	-4%	\$780,000	-11%	\$137,805,334	-17%
Kahului	35	94%	\$131,794	2%	\$95,000	2%	\$4,612,780	99%
Kapalua	55	67%	\$1,994,251	-3%	\$950,000	-2%	\$109,683,787	62%
Kīhei	580	19%	\$460,611	9%	\$375,050	10%	\$267,154,518	29%
Lahaina	75	4%	\$536,477	13%	\$505,000	5%	\$40,235,755	17%
Lāna'i	10	67%	\$1,226,450	-18%	\$895,000	-26%	\$12,264,500	36%
Mā'alaea	43	59%	\$366,513	7%	\$323,600	0%	\$15,760,075	70%
Moloka'i	16	7%	\$143,828	-19%	\$116,125	-32%	\$2,301,250	-13%
Nāpili/Kahana/Honokōwai	222	-6%	\$464,651	12%	\$417,500	5%	\$103,152,503	6%
Pukalani	10	0%	\$561,700	10%	\$555,000	9%	\$5,617,000	10%
Spreckelsville/Pā'ia/Ku'au	1	-75%	\$354,000	-61%	\$354,000	10%	\$354,000	-90%
Wailea/Mākena	141	34%	\$1,695,956	21%	\$1,150,000	7%	\$239,129,828	63%
Wailuku	133	-10%	\$381,114	-5%	\$407,000	9%	\$50,688,109	-14%
<b>Maui Summary</b>	<b>1,451</b>	<b>11%</b>	<b>\$681,957</b>	<b>10%</b>	<b>\$445,000</b>	<b>7%</b>	<b>\$989,519,439</b>	<b>22%</b>

SOURCE: REALTORS ASSOCIATION OF MAUI, MLS SALE DATA.

## 3.2.10

## LAND SALES BY AREA, MAUI COUNTY, 2017

Area	# Sales	% Change Last Yr	Avg. Price	% Change Last Yr	Median Price	% Change Last Yr	Total Volume	% Change Last Yr
Ha'ikū	33	57%	\$483,323	-44%	\$400,000	-25%	\$15,949,668	-12%
Hāna	9	80%	\$361,111	-11%	\$425,000	37%	\$3,250,000	61%
Kā'anapali	16	-6%	\$700,234	6%	\$793,500	17%	\$11,203,750	0%
Kahakuloa	2	-50%	\$383,750	25%	\$383,750	15%	\$767,500	-38%
Kahului	3	200%	\$291,667	-38%	\$315,000	-33%	\$875,000	86%
Kapalua	6	-14%	\$963,167	-11%	\$825,000	-11%	\$5,779,000	-24%
Kīhei	8	-33%	\$603,625	-11%	\$473,500	4%	\$4,829,000	-40%
Kula/Ulupalakua/ Kanaio	15	15%	\$982,813	59%	\$465,000	-14%	\$14,742,189	84%
Lahaina	8	-60%	\$970,000	-8%	\$932,500	-7%	\$7,760,000	-63%
Makawao/Olinda/ Hali'imaile	14	56%	\$563,736	49%	\$507,500	54%	\$7,892,300	132%
Maui Meadows	3	50%	\$467,833	-11%	\$501,000	-4%	\$1,403,500	34%
Moloka'i	20	54%	\$144,770	2%	\$132,500	6%	\$2,895,400	57%
Nāpili/Kahana/ Honokōwai	2	0%	\$765,000	86%	\$765,000	86%	\$1,530,000	86%
Olowalu	1	-67%	\$1,100,000	50%	\$1,100,000	57%	\$1,100,000	-50%
Pukalani	47	571%	\$329,292	-3%	\$325,650	2%	\$15,476,740	550%
Spreckelsville/ Pā'ia/Ku'au	1	0%	\$1,300,000	-56%	\$1,300,000	-56%	\$1,300,000	-56%
Wailea/Mākena	5	67%	\$646,000	-26%	\$550,000	-19%	\$3,230,000	23%
Wailuku	28	40%	\$377,021	11%	\$322,500	3%	\$10,556,574	56%
<b>Maui Summary</b>	<b>221</b>	<b>36%</b>	<b>\$500,184</b>	<b>-21%</b>	<b>\$370,000</b>	<b>-18%</b>	<b>\$110,540,621</b>	<b>8%</b>

SOURCE: REALTORS ASSOCIATION OF MAUI, MLS SALE DATA.

### 3.2.11

## FOREST AND NATURAL AREA ACREAGE BY ISLAND

*On June 30, 2016*

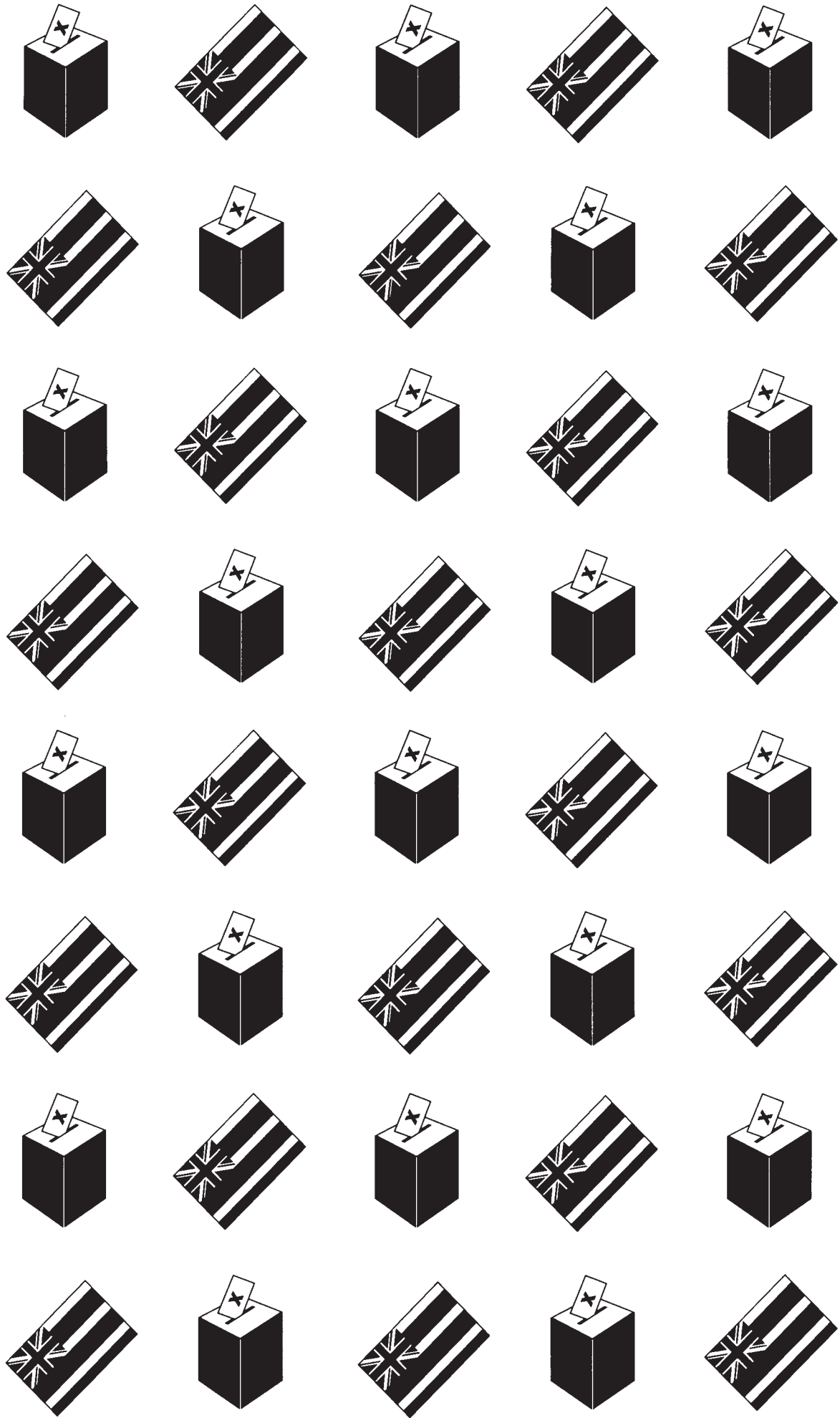
Island	Conservation District Forest Land		Natural Areas	
	Forest Reserve <sup>1</sup>	Private Forest <sup>2</sup>	Number of Areas	Acres
<b>State Total</b>	<b>652,756</b>	<b>328,742</b>	<b>21</b>	<b>123,810</b>
Hawai'i	448,101	106,745	8	94,954
Maui	68,220	53,180	5	18,543
Kaho'olawe	0	0	0	0
Lāna'i	0	6,150	0	0
Moloka'i	11,690	0	2	2,950
O'ahu	38,571	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.





4.1.3

# 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, Pu'unēnē, Kahului**

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

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

##### **Lahaina, Kā'anapali, Kapalua**

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, Maui Meadows, Wailea, Mākena**

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, Makawao, Pukalani, 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. Vote by Mail Precinct

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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		Turnout	District	Precinct Name	Registered Voters		Turnout
		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	K'hei Community Center	4,082	1,147	28.1%
8-4	Paukūkalo Hwn Homes Comm Ctr.	1,999	379	19.0%	11-4	K'hei 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	3,518	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 Nahī'enā'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%
Other Votes	8	0.0%
<b>Hawai'i Resident Trustee</b>		
Trask, Mililani	*20,618	38.9%
Lindsey, Robert (Bob)	18,705	35.3%
Blank Votes	13,638	25.7%
Other 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%

\* Revised data.

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*

	2014	2015	2016	2017
<b>Revenues</b>				
Taxes	255,440	268,178	280,825	303,701
Licenses and Permits	28,185	30,946	30,460	32,032
Intergovernmental Revenues	69,449	72,049	69,038	70,996
Charges for Services	64,251	64,839	70,575	76,902
Fines and Forfeitures	2,250	2,075	2,537	2,226
Interest and investment earnings, net	1,747	1,358	2,592	3,120
Other	6,882	4,604	5,140	6,042
Assessments	1,086	1,322	2,345	1,742
<b>Total Revenues</b>	<b>429,290</b>	<b>445,371</b>	<b>463,511</b>	<b>496,762</b>
<b>Expenditures</b>				
General Government	190,718	105,479	115,623	126,512
Public Safety	78,981	90,349	92,811	99,701
Highways and Streets	44,878	40,260	39,827	40,032
Sanitation	46,344	54,552	52,454	54,842
Social Welfare	45,298	42,579	45,920	57,126
Culture and Recreation	39,739	29,530	28,912	38,325
Legislative	5,987	6,559	6,493	6,523
Capital Outlay	77,097	81,371	65,147	48,112
Debt Service: Principal	24,593	26,926	20,825	26,150
Interest	9,424	10,905	9,607	9,174
<b>Total Expenditures</b>	<b>563,058</b>	<b>488,509</b>	<b>477,619</b>	<b>506,496</b>
<b>Excess (Deficiency) of Revenues over Expenditures</b>	<b>(133,768)</b>	<b>(43,138)</b>	<b>(14,109)</b>	<b>(9,735)</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

	2014	2015	2016	2017
Banks/Financial Corps	7,124	14,245	22,967	16,539
Employment Sec. Contri.	0	0	0	0
Fuel	3,142,763	4,952,341	29,805,946	25,042,508
GE License/Fees	0	0	30,767	88,199
General Excise & Use Tax <sup>1</sup>	187,280,786	202,188,522	199,013,033	221,793,130
Honolulu County Surcharge <sup>2</sup>	1,517,910	1,625,325	963,853	0
Income-Corporate				
Decl. of Estimated Taxes	1,361,255	1,818,099	1,243,398	2,302,267
Payment With Returns	422,103	1,235,231	1,673,448	1,952,745
Refunds	(1,195,281)	(504,193)	(586,348)	(510,456)
Income-Individual				
Decl. of Estimated Taxes	35,595,168	41,135,847	36,240,017	43,748,197
Payment With Returns	20,682,519	23,023,611	24,521,937	24,901,860
Withholding Tax on Wages	75,704,027	82,351,800	85,864,464	92,456,964
Refunds	(41,937,074)	(41,127,638)	(42,432,928)	(44,685,439)
Inheritance/Estate	18,989	1,443,239	1,432,093	(189,498)
Liquor and Permits	7,352,755	7,580,791	7,606,014	7,617,774
Motor Vehicle Tax/Fees	19,716,743	20,759,191	21,161,638	21,501,788
Public Service Company	18,006,353	17,839,865	14,753,823	12,622,859
Tobacco and Licenses	7,191,025	4,328,226	3,845,946	3,528,403
Transient Accom. /Time Share Occup. Fees	0	0	807	2,525
Transient Accom. Tax/Time Share Occ. Tax	31,850,226	35,980,172	25,664,626	52,409,953
All Others	220	165	135	140
<b>Total</b>	<b>\$366,717,613</b>	<b>\$404,644,839</b>	<b>\$410,825,635</b>	<b>\$464,600,457</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 2017-2018

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Assessor's gross valuation	52,729,762
Land	21,711,958
Improvement	31,017,804
Exemptions	6,414,588
Assessor's net taxable valuation	46,315,171
Half of valuation on appeal	420,744
Number of appeals	635
Valuation for tax rate purposes	45,894,427
Land	20,365,507
Improvement	25,528,920
<b>Amount to be raised by taxation</b>	<b>299,842</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 2017-2018
<b>Building</b>	
Residential	5.54
Apartment	6.32
Commercial	7.28
Industrial	7.49
Agricultural	6.01
Conse ra tion	6.37
Hotel and Resort	9.37
Homeowner	2.86
Time Share	15.43
Commercialized Residential	4.56
<b>Land</b>	
Residential	5.54
Apartment	6.32
Commercial	7.28
Industrial	7.49
Agricultural	6.01
Conse ra tion	6.37
Hotel and Resort	9.37
Homeowner	2.86
Time Share	15.43
Commercialized Residential	4.56

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>
1998	186,731	21,539	208,270
1999	189,913	31,796	221,709
2000	194,111	30,305	224,416
2001	194,807	23,779	218,586
2002	208,832	23,764	232,596
2003	242,996	39,582	282,578
2004	227,007	39,194	266,201
2005	233,684	36,762	270,446
2006	215,336	34,295	249,631
2007	226,720	40,078	266,798
2008	247,258	47,262	294,520
2009	226,048	65,578	291,626
2010	204,717	71,257	275,974
2011	231,914	69,639	301,553
2012	210,460	67,329	277,789
2013	254,592	47,090	301,682
2014	233,900	70,965	304,865
2015	257,781	75,653	333,434
2016	262,603	69,061	331,664
2017	234,109	83,305	317,414

Revised data for 2005 to 2016.

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

#### 4.4

### PERSONNEL BY DEPARTMENT FOR FISCAL YEARS MAUI COUNTY

	2015	2016	2017	2018
Corporation Counsel	34.5	34.5	37.5	37.5
Emergency Management Agency <sup>1</sup>	6.0	6.0	6.8	6.8
Environmental Management				
General	5.0	5.0	5.0	8.0
Wastewater	117.0	117.0	118.0	118.0
Solid Waste	95.0	99.0	99.0	96.0
Finance	142.8	145.8	147.5	145.5
Fire & Public Safety	318.0	319.0	368.0	370.0
Housing & Human Concerns	80.3	80.3	86.8	87.5
Liquor Control	26.0	26.0	26.0	25.0
Management	56.0	58.8	58.0	56.0
Parks and Recreation				
General	426.3	426.8	*384.3	390.3
Golf	20.9	20.9	20.9	19.4
Personnel Services	19.0	18.0	18.0	18.0
Planning	62.0	62.0	64.0	64.0
Police	518.5	520.0	524.0	522.2
Prosecuting Attorney	72.0	72.0	73.0	73.0
Public Works				
General	115.0	115.0	115.0	115.0
Highways	143.0	145.0	145.0	146.0
Transportation	6.0	6.0	6.0	6.0
Water Supply	219.0	219.0	220.0	220.0

1. Previously known as Civil Defense.

\* Revised data

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



## 4.5.1

## COUNTY PROPERTY TAX EXEMPTIONS BY TYPE MAUI COUNTY, FY 2017-2018

Type of Exemption	Number	Amount (\$1,000)
Federal Government	80	44,958
State Government	1,346	1,697,937
County Government	579	531,109
Government Leases-Total	81	81,177
Government Leases-Portion	53	41,810
Hawaiian Homes Commission	512	35,584
Hawaiian Homes Land-Basic	788	139,342
Hawaiian Homes Land-Multiple	125	21,020
Hawaiian Homes Land-Total Land	1,400	141
Hawaiian Homes Land-Vacant Land	243	25
Hawaiian Homes-7 year	98	22,130
Homes-Fee (Basic)	19,598	3,873,622
Homes-Fee (Multiple)	4,834	952,297
Homes-Leasehold (Basic)	272	53,405
Homes-Leasehold (Multiple)	349	68,364
Blind	28	700
Deaf	7	125
Hansen's Disease (Leprosy)	0	0
Totally Disabled	362	8,599
Totally Disabled Veterans	283	149,075
Cemeteries	8	1,687
Charitable Organizations	222	292,539
Childcare	20	1,000
Churches	249	344,897
Credit Unions	16	18,669
Forest Reserves	3	67
Historic Residential Properties	7	13,750
Kuleana	47	21,028
Hospitals	11	42,032
Landscaping, Open-Space	1	10
Low-Moderate Income Housing	43	178,354
Public Utilities	80	82,337
Roadways and Waterways	1,702	6,679
Schools	19	158,289
Taro	53	92
Miscellaneous	2	177
<b>Total</b>	<b>33,521</b>	<b>8,883,027</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, 2017*

Source of Revenue	Gallons	State Tax	County Fuel Tax	Total Tax
Gasoline	63,841,186	\$10,208,167	\$14,394,020	\$24,602,187
Diesel oil (non-hwy)	12,253,113	122,531	0	122,531
Diesel oil (hwy)	6,225,299	996,048	1,397,394	2,393,442
Liquid petro. gas (hwy)	27	1	3	4
Small boat (gas)	84,030	13,445	19,327	32,772
Small boat (diesel oil)	0	0	0	0
Aviation fuel	73,217,092	732,171	0	732,171
Other fuel	348,741	13,950	2,605	16,555
<b>Subtotal</b>	<b>155,969,487</b>	<b>12,086,313</b>	<b>15,813,349</b>	<b>27,899,662</b>
Environmental Tax	4,714,763	4,907,074	0	4,907,074
<b>Total</b>		<b>16,993,387</b>	<b>15,813,349</b>	<b>32,806,736</b>

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

#### 4.5.3

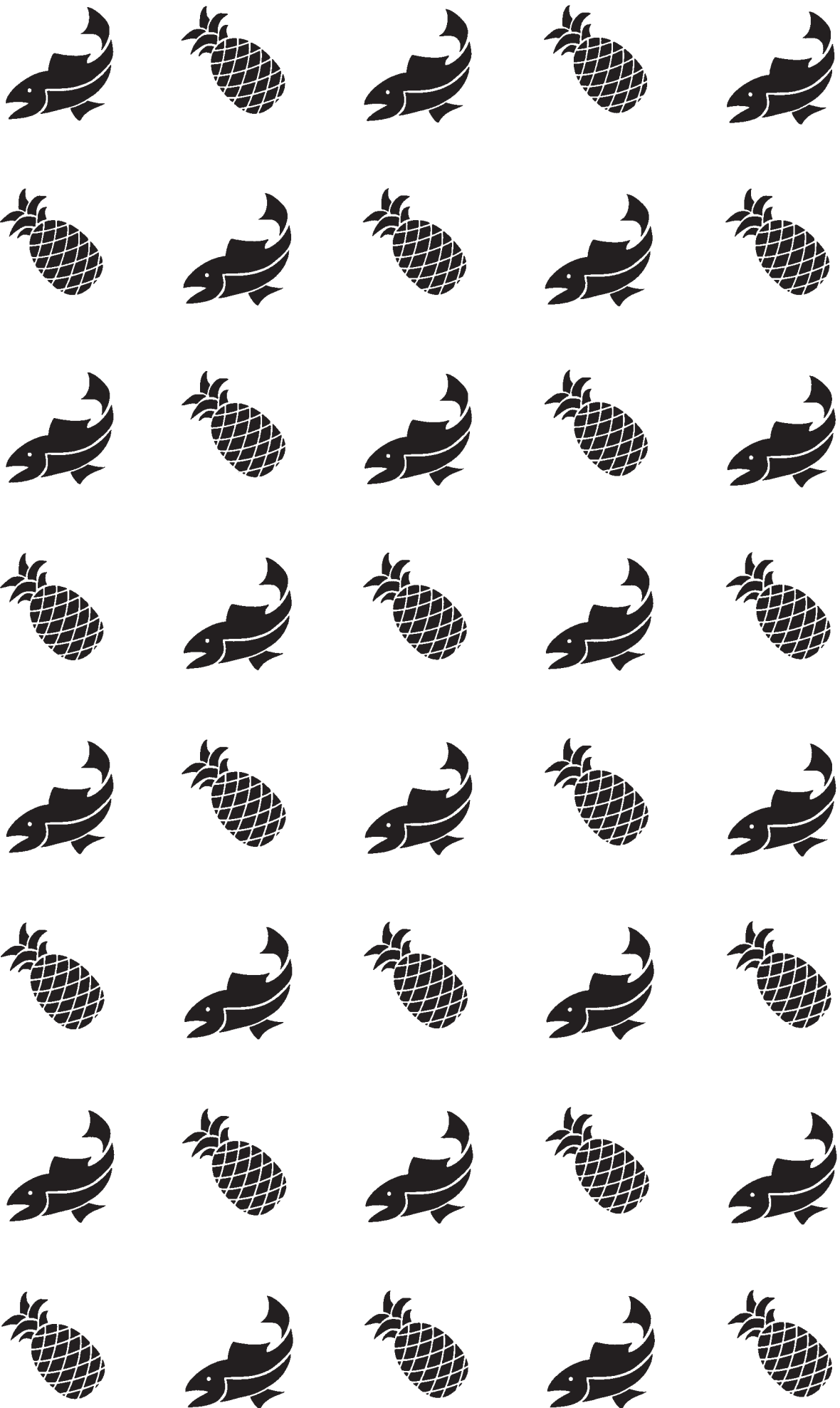
### LIQUID FUEL TAX ALLOCATION BY FUND MAUI COUNTY

*Fiscal year ending June 30, 2017*

	Amount	Total Tax
State Highway Special Fund	\$11,240,601	
State Airports Special Fund	732,171	
State Boating Special Fund	271,675	12,244,446
County Fuel Tax:		
Lanai	180,802	
Molokai	0	
Maui	15,474,413	15,655,215
Environmental Response Fund	233,718	
Energy Security Fund	701,155	
Energy Development Fund	467,437	
Agricultural Development Fund	701,155	
General Fund	2,803,610	4,907,074
<b>Grand Total</b>		<b>\$32,806,736</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.

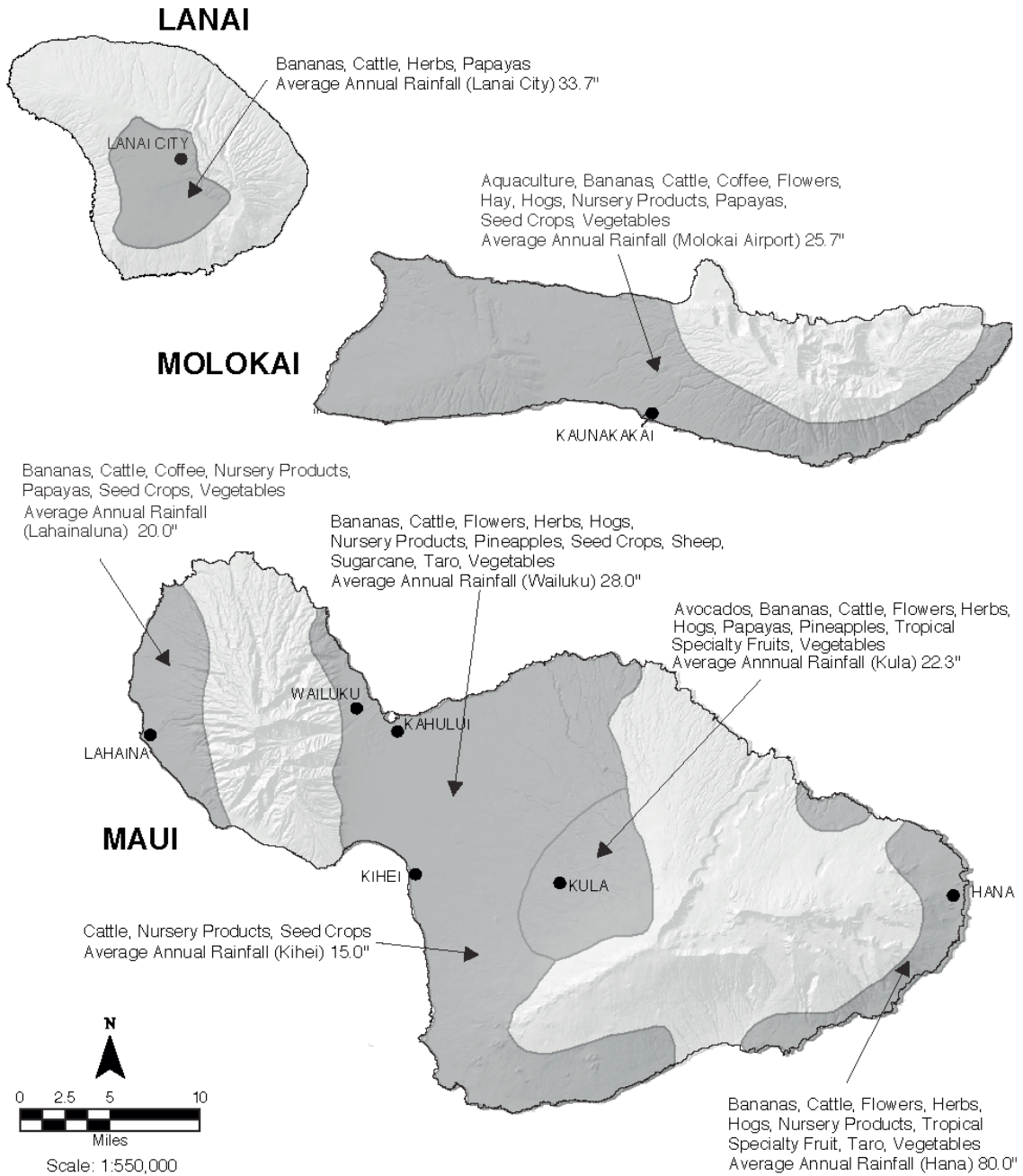
Maui's last sugar plantation closed in 2016 and therefore data on sugarcane has been discontinued. Coffee production in the state is now featured.

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
Hore s	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
Hore s	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

## COFFEE STATE OF HAWAI'I

	Cherry Basis			
	Bearing Acreage	Yield per Acre	Total Production	Harvested not Sold
	(1,000 acres)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
2015-2016	6.9	4.60	31,740	1,603
2016-2017	7.0	4.18	29,260	689
2017-2018	7.3	3.42	24,966	709

Basis	Utilized Production	Price per Pound	Value of Utilized Production
	(1,000 pounds)	(\$)	(\$1,000)
<b>Cherry</b>			
2015-2016	30,137	1.55	46,712
2016-2017	28,571	1.71	48,856
2017-2018	24,257	1.79	43,420
<b>Parchment</b>			
2015-2016	6,600	9.38	61,908
2016-2017	5,400	11.10	59,940
2017-2018	5,300	11.00	58,300
<b>Green</b>			
2015-2016	5,280	10.50	55,440
2016-2017	4,320	16.50	71,280
2017-2018	4,240	14.30	60,632

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

## 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 HAWAI'I

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*

	2011	2012	2013	2014	2015
<b>Fishing Method</b>					
Aku Pole & Line	347,898	*	*	*	*
Longline	25,710,602	25,858,879	26,946,146	23,807,814	32,635,674
Deep Bottom Handline	335,010	418,242	453,239	462,414	397,245
Tuna Handline	1,937,263	2,429,619	2,341,090	1,660,354	1,711,745
Trolling	2,987,387	3,677,653	3,117,723	3,417,836	3,016,724
All Other	1,252,373	1,324,155	1,430,017	1,274,772	1,233,685
<b>Total</b>	<b>32,570,233</b>	<b>33,708,548</b>	<b>34,288,215</b>	<b>30,623,190</b>	<b>38,995,073</b>
<b>Species Group</b>					
Tunas	19,990,624	21,407,164	21,578,691	18,309,846	24,514,890
Bill & Swordfish	5,602,336	4,497,917	4,514,726	4,052,962	5,916,944
Misc. Pelagic	5,168,115	6,002,848	6,501,895	6,617,202	6,941,202
Deep Bottomfish	358,441	406,750	442,574	455,028	398,148
Akule/'Ōpelu	600,526	527,486	511,068	536,655	635,832
Inb ore	424,772	437,384	395,832	370,713	303,934
All Other	425,419	428,999	343,429	280,784	284,123
<b>Total</b>	<b>32,570,233</b>	<b>33,708,548</b>	<b>34,288,215</b>	<b>30,623,190</b>	<b>38,995,073</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	2011	2012	2013	2014	2015
Maui County	750,029	1,019,989	792,087	951,636	806,170
Maui	694,490	972,822	738,541	901,295	763,398
Moloka'i	43,004	40,308	46,423	40,506	35,902
Lāna'i	12,212	6,909	7,184	9,835	6,870
O'ahu	28,218,747	28,573,124	29,877,658	25,882,328	34,504,303
Hawai'i	2,885,270	3,114,925	2,796,997	3,017,653	2,909,455
Kaua'i and Ni'ihau	716,187	1,000,510	821,473	771,573	775,145
<b>Total</b>	<b>32,570,233</b>	<b>33,708,548</b>	<b>34,288,215</b>	<b>30,623,190</b>	<b>38,995,073</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	2011	2012	2013	2014	2015
Kawai (Moloka'i Channel)	16,226	24,374	19,675	30,859	16,283
Penguin Bank	103,726	144,954	133,663	127,220	112,043
Kealaikahiki Channel	38,431	36,448	44,958	80,128	62,602
'Alenuihāhā Channel	86,559	120,913	88,649	162,585	113,565
'Au'au, Kalohi & Pailolo Channels	38,416	34,042	40,454	38,725	34,498
'Alalākeiki Channel	85,253	110,068	105,366	103,051	64,541
Moloka'i	41,815	41,987	43,523	39,838	22,061
Lāna'i	86,263	117,741	92,158	67,124	63,824
Kaho'olawe	31,701	127,785	18,526	9,368	4,020
Mākena - Hāna	40,113	23,339	32,199	23,506	26,348
Hāna - Kahului	210,469	242,300	177,724	215,436	265,400
Honolua - Lahaina	7,515	4,240	3,160	3,637	5,227
Lahaina - Mākena	65,645	71,801	71,056	67,769	54,979

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). Data on cable television subscribers and revenues has been discontinued and replaced by data on computers and internet subscription.

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
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
2017	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	2,700	Monthly

SOURCE: HAWAII BUSINESS RESEARCH LIBRARY.

### 6.1.3

## COMPUTERS AND INTERNET BY COUNTY

	Maui	Hawai'i	Honolulu	Kaua'i	State
<b>Total Households</b>	<b>53,612</b>	<b>69,818</b>	<b>309,169</b>	<b>23,214</b>	<b>455,868</b>
<b>Types of computing devices</b>					
Has one or more types of computer	49,407	61,869	283,107	20,706	415,144
Desktop or laptop	43,303	53,788	256,493	17,942	371,581
Desktop or laptop only	3,358	10,095	21,821	2,353	37,627
Smartphone	42,961	47,680	247,617	17,616	355,896
Smartphone only	2,778	3,556	12,678	1,349	20,361
Tablet	32,804	38,477	205,212	11,839	288,379
Tablet only	732	1,553	3,548	175	6,008
Other computer	1,125	1,410	8,778	281	11,594
Other computer only	0	218	45	0	263
No computer	4,205	7,949	26,062	2,508	40,724
<b>Internet</b>					
With an Internet subscription	44,981	52,457	264,155	19,235	380,863
Cellular data plan only	2,619	4,851	25,664	3,719	36,861
Without an Internet subscription	8,631	17,361	45,014	3,979	75,005

SOURCE: U.S. CENSUS BUREAU, 2016 AMERICAN COMMUNITY SURVEY 1-YEAR ESTIMATES.

### 6.1.4

## RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, MAUI COUNTY, 2017

Commercial	Maui County	State Total
AM	5	31
FM	13	64
TV <sup>1</sup>	5	23
<b>Public or Educational</b>		
AM	1	2
FM	4	20
TV <sup>1</sup>	1	4

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	2014	2015	2016
Honoapi'ilani Hwy south of Kā'anapali Pkwy	30	23.58	40,500	42,100	43,300
Honoapi'ilani Hwy north of Kahana Kai Bridge	30	28.37	15,673	15,787	14,819
Pi'ilani Hwy near Līpoa Pkwy	31	1.47*	32,700	36,900	34,721
Hāna Hwy near Central Power Plant Rd	36	1.70	35,600	41,000	37,525
Hāna Hwy near Baldwin Park	36	6.28	18,200	18,700	18,800
Keolani Pl near Palapala Dr	36A	0.50*	14,864	15,500	14,400
Haleakalā Hwy near North Firebreak Rd	37	0.61	29,900	31,200	32,000
North Kīhei Hwy near 9th St	310	0.86	15,800	16,800	17,100
Mokulele Hwy near Nakii Rd	311	2.38	31,900	32,300	33,400
Kuihelani Hwy near Mauilani Pkwy	380	1.52	23,500	24,500	24,900

Annual average daily traffic (AADT), the average of 24 hour counts collected every day in the year, unless otherwise specified.

NA: Not available

\* Revised from previous Data Book.

SOURCE: HAWAII'S 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	
	2016	2017	2016	2017	2016	2017	2016	2017
Hā'iku	58	59	133	114	16	30	1	2
Hāli'imaile	8	10	9	11	1	0	0	0
Hāna	24	16	96	89	6	9	0	0
Hoolehua	1	6	9	13	2	3	0	0
Ka'anapali	39	41	85	91	110	115	1	3
Kahului	373	306	796	860	476	497	1	2
Kalaupapa	1	0	3	1	0	0	0	1
Kapalua	10	12	14	13	19	13	1	0
Kaunakakai	17	19	57	51	17	23	1	1
Kīhei	170	137	463	482	271	280	6	1
Kualapu'u	2	0	5	5	0	1	0	0
Kula	61	65	113	105	13	24	2	1
Lahaina	160	150	433	400	176	153	4	3
Lāna'i	7	6	26	24	7	5	1	1
Ma'alaea	42	30	56	62	17	13	0	1
Makawao	36	45	131	104	38	37	1	0
Mauna Loa	0	1	2	0	0	1	0	0
Nāpili	41	35	81	65	57	54	1	0
Pā'ia	48	39	99	97	37	37	0	0
Pukalani	24	22	85	93	58	49	0	0
Pūko'o	0	0	1	4	0	0	0	0
Spreckelsville	5	5	10	8	2	3	0	0
Waiehu	21	27	53	58	8	8	2	1
Waihe'e	13	11	22	35	2	4	0	0
Waikapu	15	13	24	31	4	7	0	0
Wailea	33	40	78	62	51	55	2	1
Wailuku	217	220	490	541	186	216	6	3
<b>Total</b>	<b>1,426</b>	<b>1,315</b>	<b>3,374</b>	<b>3,419</b>	<b>1,574</b>	<b>1,637</b>	<b>30</b>	<b>21</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**

2017	Price per Gallon	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<b>Wailuku</b>	Regular	3.454	3.508	3.509	3.508	3.467	3.498	3.488	3.522	3.531	3.559	3.662	3.743
	Mid Grade	3.572	3.636	3.656	3.637	3.592	3.629	3.619	3.631	3.663	3.677	3.748	3.819
	Premium	3.665	3.728	3.727	3.718	3.679	3.715	3.710	3.727	3.764	3.771	3.840	3.934
	Diesel Prices	4.103	4.064	4.067	4.063	4.034	4.029	4.042	4.063	4.081	4.082	4.104	4.102
<b>Hilo</b>	Regular	3.000	3.064	3.041	3.037	3.038	3.024	3.027	3.093	3.130	3.130	3.205	3.276
	Mid Grade	3.097	3.178	3.149	3.157	3.148	3.144	3.148	3.219	3.270	3.268	3.342	3.396
	Premium	3.280	3.356	3.312	3.299	3.306	3.296	3.308	3.373	3.422	3.430	3.509	3.563
	Diesel Prices	4.088	4.079	4.110	4.110	4.097	4.079	4.061	4.092	4.096	4.101	4.102	4.101
<b>O'ahu</b>	Regular	2.927	2.971	2.932	2.913	2.911	2.903	2.896	2.907	2.939	2.949	3.062	3.124
	Mid Grade	3.040	3.090	3.060	3.044	3.039	3.034	3.029	3.042	3.077	3.086	3.197	3.263
	Premium	3.191	3.242	3.203	3.186	3.179	3.173	3.166	3.179	3.226	3.234	3.347	3.413
	Diesel Prices	4.079	4.090	4.048	4.033	4.021	4.003	3.998	3.988	3.969	3.969	3.992	4.001
<b>Kaua'i</b>	Not available												

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
<b>Trailers and semi-trailers</b>	<b>4,945</b>	<b>4,384</b>	<b>4,740</b>	<b>4,355</b>	<b>4,052</b>	<b>3,903</b>

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, 2016

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: HAWAI'I STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION.

## 6.2.7

### LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED BY ISLAND, DECEMBER 31, 2016

Island	Total Mileage	Paved		Unpaved
		Freeways	Other	
<b>State Total</b>	<b>4,468.56</b>	<b>88.49</b>	<b>4,206.95</b>	<b>173.11</b>
Hawai'i	1,509.94	-	1,449.94	60.00
Maui	648.33	-	591.63	56.70
Lāna'i	48.00	-	34.00	14.00
Moloka'i	136.32	-	124.32	12.00
O'ahu	1,684.04	88.49	1,587.63	7.92
Kaua'i	441.93	-	419.44	22.49

SOURCE: HAWAI'I 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>				
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
2016	68,556	388	1,577.7	8,926
<b>State</b>				
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
2016	531,740	457	11,132.0	9,430

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**

Taxation Status	State Total	Maui	Hawai'i	Honolulu	Kaua'i
<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'S STATE DEPARTMENT OF TRANSPORTATION, SAFE COMMUNITIES PROGRAM.

6.2.10

**DRIVERS INVOLVED IN FATAL CRASHES AND BLOOD  
ALCOHOL CONCENTRATION (BAC) OF THE DRIVER, 2015**

County	All Drivers	No Alcohol BAC = 0.00		Any Alcohol BAC = 0.01 +		BAC = 0.01 - 0.07		BAC = 0.08 +	
		Number	%	Number	%	Number	%	Number	%
Hawai'i	32	25	78	7	22	1	4	6	18
Honolulu	66	49	74	17	26	2	2	15	23
Kaua'i	4	3	70	1	30	0	0	1	30
Maui	23	13	58	10	42	2	9	8	33
<b>State</b>	<b>125</b>	<b>90</b>	<b>72</b>	<b>35</b>	<b>28</b>	<b>5</b>	<b>4</b>	<b>30</b>	<b>24</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

	2011	2012	2013	2014 <sup>3</sup>	2015 <sup>4</sup>
Major Traffic Accidents <sup>1</sup>					
Honolulu	3,948	466	1,650	2,368	36
Hawai'i	256	825	357	696	7
Kaua'i	409	240	249	324	0
Maui	180	24	17	644	6
Fatal Accidents <sup>2</sup>					
Honolulu	49	49	50	53	48
Hawai'i	23	36	21	13	17
Kaua'i	6	6	7	8	3
Maui	19	23	16	21	17
Persons Injured					
Honolulu	3,361	401	1,457	1,989	33
Hawai'i	241	813	377	618	7
Kaua'i	371	201	223	236	0
Maui	204	28	7	693	5
Persons Killed <sup>2</sup>					
Honolulu	51	56	53	53	48
Hawai'i	23	38	26	13	21
Kaua'i	6	8	7	8	3
Maui	20	23	16	21	21

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 Administration.

3. Revised from previous Data Book.

4. 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	2014		2015		2016	
	Outgoing	Incoming	Outgoing	Incoming	Outgoing	Incoming
<b>Passengers<sup>1</sup></b>						
Kahului						
Interisland	1,413,773	1,418,034	1,436,763	1,445,357	1,451,726	1,406,663
Overseas	1,703,015	1,711,253	1,900,226	1,896,426	2,014,867	1,996,417
Moloka'i	95,159	98,091	119,981	122,176	125,476	126,983
Lāna'i	52,271	51,362	40,123	38,515	43,225	43,291
Kapalua	23,461	23,173	31,186	31,042	28,629	28,074
Hāna	1,703	1,700	1,968	1,858	2,019	1,951
Kalaupapa	5,146	4,471	6,408	5,889	5,835	5,671
<b>Cargo (U.S. tons)</b>						
Kahului						
Interisland	5,097	14,307	6,080	14,432	6,019	13,706
Overseas	1,363	8,529	1,229	9,477	1,152	9,638
Moloka'i	249	762	230	825	201	810
Lāna'i	50	816	48	837	57	985
Kapalua	202	1,011	191	1,102	145	816
Hāna	0	0	0	0	0	0
Kalaupapa	24	101	18	92	22	92
<b>Mail (U.S. tons)</b>						
Kahului						
Interisland	1,820	4,813	1,818	5,545	1,603	4,938
Overseas	677	3,254	690	3,476	688	3,352
Moloka'i	0	12	0	0	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*

	2012	2013	2014	2015	2016
<b>Total Inbound Vessels</b>	<b>903</b>	<b>688</b>	<b>1,033</b>	<b>1,364</b>	<b>802</b>
<b>By Type of Vessel</b>					
Self propelled vessels					
Passenger and dry cargo	76	60	66	79	56
Tanker	7	12	11	3	13
Towboat or tugboat	547	307	494	559	289
Non-self propelled vessels					
Dry cargo	184	238	357	623	350
Tanker	89	71	105	100	94
<b>By Draft</b>					
Less than 18 feet	702	562	851	875	592
18 feet and more	201	126	182	489	210

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.

## 6.2.16

### FREIGHT TRAFFIC KAHULUI HARBOR

*In thousands short tons*

	Total	Inbound	Outbound
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
2016	3,858	2,396	1,462

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.

## 6.2.17

## FREIGHT TRAFFIC BY COMMODITY KAHULUI HARBOR

*In thousand short tons*

2016	Total	Domestic Inbound	Domestic Outbound	Foreign Inbound
<b>All Commodities</b>	<b>3,858</b>	<b>2,375</b>	<b>1,462</b>	<b>21</b>
<b>Total Petroleum and Petroleum Products</b>	<b>409</b>	<b>388</b>	<b>0</b>	<b>21</b>
2211 Gasoline	74	74	0	0
2221 Kerosene	105	105	0	0
2330 Distillate fuel oil	160	160	0	0
2340 Residual fuel oil	45	45	0	0
2640 Hydrocarbon & petrol gases	25	4	0	21
<b>Total Chemicals and Related Products</b>	<b>16</b>	<b>15</b>	<b>1</b>	<b>0</b>
3190 Fertilizers & mixes NEC	2	2	0	0
3220 Alcohols	13	13	0	0
3299 Chemical products NEC	1	0	1	0
<b>Total Crude Materials, Inedible (Except Fuels)</b>	<b>34</b>	<b>20</b>	<b>14</b>	<b>0</b>
4189 Lumber	18	18	0	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>70</b>	<b>65</b>	<b>5</b>	<b>0</b>
5190 Paper products NEC	4	4	0	0
5220 Cement & concrete	51	51	0	0
5290 Misc. mineral products	2	2	0	0
5360 Iron & steel bars & shapes	2	1	1	0
5370 Iron & steel pipe & tube	1	1	0	0
5480 Fabricated metal products	9	5	4	0
5540 Primary wood products	1	1	0	0

CONTINUES ON THE NEXT PAGE

## 6.2.17

## CONTINUED

	Total	Domestic Inbound	Domestic Outbound	Foreign Inbound
<b>Total Food and Farm Products</b>	<b>313</b>	<b>114</b>	<b>199</b>	<b>0</b>
6442 Rice	2	2	0	0
6654 Vegetables & products	13	12	1	0
6781 Hay & fodder	2	2	0	0
6782 Animal feed, prepared	4	4	0	0
6811 Meat, fresh, frozen	1	1	0	0
6839 Animals & products NEC	3	1	2	0
6861 Sugar	115	0	115	0
6865 Molasses	68	0	68	0
6885 Alcoholic beverages	30	28	2	0
6887 Groceries	11	8	3	0
6889 Food products NEC	60	52	8	0
6899 Farm products NEC	4	4	0	0
<b>Total All Manufactured Equipment, Machinery</b>	<b>3,017</b>	<b>1,775</b>	<b>1,242</b>	<b>0</b>
7110 Machinery (not electric)	2	2	0	0
7120 Electrical machinery	3	1	2	0
7210 Vehicles & parts	165	96	69	0
7230 Ships & boats	1	1	0	0
7400 Manufactured wood products	46	34	12	0
7600 Rubber & plastic products	1	0	1	0
7900 Manufactured products NEC	2,799	1,641	1,158	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.

## 6.2.18

## FREIGHT TRAFFIC BY COMMODITY HISTORICAL, KAHULUI HARBOR

*In short tons*

	2012	2013	2014	2015
<b>All Commodities</b>	<b>4,710,764</b>	<b>3,668,583</b>	<b>3,738,648</b>	<b>3,719,568</b>
Receipts	2,761,835	2,301,849	2,421,915	2,361,345
Shipments	1,948,929	1,366,734	1,316,733	1,358,223
<b>Total Coal</b>	<b>59,500</b>	<b>33,000</b>	<b>0</b>	<b>0</b>
Receipts	0	0	0	0
Shipments	59,500	33,000	0	0
<b>Total Petroleum and Petroleum Products</b>	<b>480,680</b>	<b>417,242</b>	<b>468,138</b>	<b>390,767</b>
Receipts	478,708	416,709	465,298	389,888
Shipments	1,972	533	2,840	879
<b>Total Chemicals and Related Products</b>	<b>11,054</b>	<b>18,579</b>	<b>22,945</b>	<b>17,073</b>
Receipts	10,692	18,208	22,705	15,718
Shipments	362	371	240	1,355
<b>Total Crude Materials, Inedible (Except Fuels)</b>	<b>9,409</b>	<b>27,387</b>	<b>35,499</b>	<b>37,036</b>
Receipts	3,494	14,162	21,666	21,857
Shipments	5,915	13,225	13,833	15,179
<b>Total Primary Manufactured Goods</b>	<b>56,652</b>	<b>59,551</b>	<b>60,159</b>	<b>64,229</b>
Receipts	51,694	54,456	54,986	58,594
Shipments	4,958	5,095	5,173	5,635
<b>Total Food and Farm Products</b>	<b>229,698</b>	<b>287,061</b>	<b>200,535</b>	<b>211,084</b>
Receipts	52,684	105,666	105,102	100,592
Shipments	177,014	181,395	95,433	110,492
<b>Total All Manufactured Equipment, Machinery</b>	<b>3,862,509</b>	<b>2,825,193</b>	<b>2,951,353</b>	<b>2,999,370</b>
Receipts	2,164,563	1,692,644	1,752,158	1,774,687
Shipments	1,697,946	1,132,549	1,199,195	1,224,683
<b>Total Waste and Scrap, NEC</b>	<b>1,262</b>	<b>566</b>	<b>19</b>	<b>9</b>
Receipts	0	0	0	9
Shipments	1,262	566	19	0
<b>Total Unknown or Not Elsewhere Classified</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
Receipts	0	4	0	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
UKIRT 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	5.6 <sup>2</sup>	44	1980
<b>Total</b>	<b>601</b>	<b>72.5</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>749</b>	<b>40.7</b>	<b>202</b>	

NA Not available. X Not applicable. Note: 2016 data.

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

2. Only \$2.0 million of this included in total as the other \$3.6 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'Ī AT MANOA, INSTITUTE FOR ASTRONOMY.

## 7.1.2

## ELECTRIC UTILITIES MAUI COUNTY

	2012	2013	2014	2015	2016
<b>Customers, Dec 31</b>					
<b>Total</b>					
Maui Island	64,047	64,657	65,124	65,603	65,922
Moloka'i	3,198	3,211	3,186	3,212	3,212
Lāna'i	1,677	1,709	1,732	1,718	1,738
<b>Maui County</b>	<b>68,922</b>	<b>69,577</b>	<b>70,042</b>	<b>70,533</b>	<b>70,872</b>
<b>Residential</b>					
Maui Island	54,785	55,301	55,670	56,085	56,318
Moloka'i	2,643	2,649	2,648	2,672	2,671
Lāna'i	1,451	1,469	1,484	1,474	1,486
<b>Maui County</b>	<b>58,879</b>	<b>59,419</b>	<b>59,802</b>	<b>60,231</b>	<b>60,475</b>
<b>Other</b>					
Maui Island	9,262	9,356	9,454	9,518	9,604
Moloka'i	555	562	538	540	541
Lāna'i	226	240	248	244	252
<b>Maui County</b>	<b>10,043</b>	<b>10,158</b>	<b>10,240</b>	<b>10,302</b>	<b>10,397</b>
<b>Peak Demand (mW)<sup>1</sup></b>					
Maui Island	194.8	194.8	190.3	194.7	222.0
Moloka'i	5.5	5.5	5.4	5.3	6.0
Lāna'i	4.6	4.6	5.0	4.8	5.0
<b>Power Sold (1,000 kWh)</b>					
<b>Total</b>					
Maui Island	1,090,179	1,079,935	1,076,321	1,083,129	1,059,576
Moloka'i	29,942	29,380	29,207	28,685	28,169
Lāna'i	24,712	25,558	26,529	25,817	29,997
<b>Maui County</b>	<b>1,144,833</b>	<b>1,134,873</b>	<b>1,132,056</b>	<b>1,137,630</b>	<b>1,117,742</b>
<b>Residential</b>					
Maui Island	377,209	369,877	364,174	363,863	348,787
Moloka'i	10,951	10,459	9,915	9,811	10,000
Lāna'i	7,186	7,572	7,890	7,492	7,569
<b>Maui County</b>	<b>395,346</b>	<b>387,908</b>	<b>381,979</b>	<b>381,167</b>	<b>366,356</b>
<b>Other</b>					
Maui Island	712,970	710,058	712,146	719,265	710,789
Moloka'i	18,991	18,921	19,292	18,873	18,169
Lāna'i	17,526	17,985	18,639	18,325	22,428
<b>Maui County</b>	<b>749,487</b>	<b>746,964</b>	<b>750,077</b>	<b>756,464</b>	<b>751,386</b>

CONTINUES ON THE NEXT PAGE



## 7.1.2

## CONTINUED

	2012	2013	2014	2015	2016
<b>Average Annual Use, Dec 31 (kWh)</b>					
<b>Residential</b>					
Maui Island	6,885	6,688	6,542	6,488	6,193
Moloka'i	4,143	3,948	3,744	3,672	3,744
Lāna'i	4,952	5,155	5,317	5,083	5,094
<b>Other</b>					
Maui Island	76,978	75,893	75,327	75,569	74,010
Moloka'i	34,217	33,667	35,858	34,951	33,584
Lāna'i	77,549	74,938	75,156	75,103	89,000
<b>Average Rate (dollars per kWh)</b>					
<b>Residential</b>					
Maui Island	0.38709	0.37824	0.37827	0.31048	0.28485
Moloka'i	0.46129	0.46435	0.47062	0.37597	0.32700
Lāna'i	0.46612	0.46344	0.45848	0.37630	0.33518
<b>Other</b>					
Maui Island	0.37238	0.36193	0.36142	0.29260	0.26509
Moloka'i	0.45633	0.45530	0.45366	0.35837	0.31042
Lāna'i	0.47129	0.46317	0.45907	0.38325	0.33645
<b>Revenues (\$1,000)</b>					
<b>Total</b>					
Maui Island	411,509	396,894	395,142	323,427	287,774
Moloka'i	13,718	13,471	13,418	10,452	8,910
Lāna'i	11,609	11,840	12,174	9,842	10,083
<b>Maui County</b>	<b>436,836</b>	<b>422,205</b>	<b>420,734</b>	<b>343,722</b>	<b>306,767</b>
<b>Residential</b>					
Maui Island	146,013	139,902	137,757	112,973	99,352
Moloka'i	5,052	4,856	4,666	3,689	3,270
Lāna'i	3,349	3,509	3,617	2,819	2,537
<b>Maui County</b>	<b>154,414</b>	<b>148,267</b>	<b>146,040</b>	<b>119,481</b>	<b>105,159</b>
<b>Other</b>					
Maui Island	265,496	256,991	257,385	210,455	188,422
Moloka'i	8,666	8,615	8,752	6,764	5,640
Lāna'i	8,260	8,330	8,557	7,023	7,546
<b>Maui County</b>	<b>282,422</b>	<b>273,936</b>	<b>274,694</b>	<b>224,241</b>	<b>201,608</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*

	2012	2013	2014	2015	2016
<b>Island of Maui</b>					
<b>Customers, Dec. 31</b>					
Residential	428	420	423	423	417
Other	88	90	88	89	89
<b>Total</b>	<b>516</b>	<b>510</b>	<b>511</b>	<b>512</b>	<b>506</b>
<b>Gas Sold (1,000 therms)</b>					
Residential	111	107	104	100	98
Other	777	770	798	740	710
<b>Total</b>	<b>888</b>	<b>876</b>	<b>902</b>	<b>840</b>	<b>809</b>
<b>Average Annual Use (therms)</b>					
Residential	259	254	246	237	236
Other	8,825	8,551	9,065	8,314	7,982
<b>Average Rate (dollar per therm)</b>					
Residential	4.12958	3.90245	4.26276	3.88384	3.47193
Other	2.78814	2.54380	2.86278	2.43153	2.03090
<b>Revenues (\$1,000)</b>					
Residential	458	417	443	390	341
Other	2,165	1,958	2,284	1,799	1,443
<b>Total</b>	<b>2,624</b>	<b>2,374</b>	<b>2,727</b>	<b>2,189</b>	<b>1,784</b>
<b>Islands of Moloka'i and Lāna'i<sup>1</sup></b>					
<b>Customers, Dec. 31</b>					
Moloka'i	85	91	84	82	84
Lāna'i	20	21	22	22	22
<b>Gas Sold (1,000 therms)</b>					
Moloka'i	16	15	15	14	16
Lāna'i	2	3	3	3	4
<b>Average Annual Use (therms)</b>					
Moloka'i	184	165	181	175	192
Lāna'i	115	136	129	136	169
<b>Average Rate (dollar per therm)</b>					
Moloka'i	4.74503	4.52344	4.85508	4.37824	3.87047
Lāna'i	5.66075	5.17527	5.54700	5.07402	4.48074
<b>Revenues (\$1,000)</b>					
Moloka'i	74	68	74	63	62
Lāna'i	13	15	16	15	17

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

SOURCE: HAWAII'S GAS THE CLEAN ENERGY COMPANY, HAWAII'S GAS UTILITY MONTHLY FINANCIAL REPORTS,  
CALCULATIONS BY HAWAII'S 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*

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	<b>Number of Services</b>									
Maui County	35,444	35,540	35,611	35,698	35,753	35,866	36,040	36,104	36,211	36,365
Maui	33,789	33,876	33,947	34,038	34,090	34,200	34,373	34,439	34,552	34,692
Moloka'i	1,655	1,664	1,664	1,660	1,663	1,666	1,667	1,665	1,659	1,673
	<b>Consumption (million gallons)</b>									
Maui County	12,797	12,074	12,214	12,371	12,675	13,253	11,851	11,684	11,785	11,624
Maui	12,510	11,794	11,916	12,089	12,410	12,958	11,592	11,427	11,523	11,376
Moloka'i	287	280	298	282	265	295	259	257	262	248

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, 2017**

*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	14,263	13,523	12,342	14,690	13,774	15,695	16,904	16,790	16,926	15,517	15,082	14,614	15,010
Īao Tunnel	0	892	1,219	1,213	1,080	1,096	1,108	1,086	1,118	1,118	1,095	1,396	1,035
Groundwater-Waihe'e	5,564	6,101	6,056	6,307	6,091	5,152	5,223	5,563	5,765	5,416	5,211	3,632	5,507
Kepaniwai	719	719	720	719	713	720	714	720	720	712	720	720	718
Maui Lani	1,098	1,047	1,079	1,100	1,093	1,100	1,099	1,105	1,105	1,060	1,097	1,081	1,089
Surface water	516	399	505	428	778	446	463	604	520	311	175	116	438
<b>Upcountry Maui</b>													
Surface water	5,772	4,586	3,785	6,157	5,502	6,055	6,781	6,996	7,779	6,371	5,615	4,711	5,843
Groundwater	754	1,539	2,080	1,656	794	818	1,012	782	1,241	841	698	681	1,075
<b>West Maui</b>													
Surface water	3,446	3,320	3,396	3,593	3,454	3,562	3,753	3,636	3,431	3,343	3,144	3,315	3,449
Groundwater	1,789	1,833	1,877	2,126	2,100	2,404	2,588	2,613	2,866	2,431	2,097	1,614	2,195
<b>East Maui</b>													
Groundwater	449	385	396	386	424	414	336	291	284	287	261	261	348
<b>Moloka'i</b>													
Groundwater	797	827	829	896	913	1,039	997	1,020	1,007	926	821	708	898
<b>Total Water Production</b>	<b>35,167</b>	<b>35,171</b>	<b>34,283</b>	<b>39,272</b>	<b>36,716</b>	<b>38,501</b>	<b>40,978</b>	<b>41,206</b>	<b>42,762</b>	<b>38,333</b>	<b>36,016</b>	<b>32,849</b>	<b>37,605</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 2017)**

<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	\$2.00	5/8 inch	\$19.25
5,001 - 15,000	\$3.80	3/4 inch	\$31.00
15,001 - 35,000	\$5.70	1 inch	\$46.00
Over 35,000	\$6.35	1 1/2 inch	\$88.00
<b>Rates (All Others)</b>			
0 - 5,000 gal	\$2.00	2 inch	\$137.00
5,001 - 15,000	\$3.80	3 inch	\$242.00
Over 15,000	\$5.70	4 inch	\$420.00
<b>Agricultural Rates</b>			
Over 15,000	\$1.10	6 inch	\$770.00
<b>Non-Potable Agricultural Rates</b>			
All usage	\$1.00	8 inch	\$1,215.00

**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, 2017*

<b>District</b>	<b>5/8"</b>	<b>3/4"</b>	<b>1"</b>	<b>1 1/2"</b>	<b>2"</b>	<b>3"</b>	<b>4"</b>	<b>6"</b>	<b>8"</b>	<b>Total</b>
<b>Regular Rates</b>										
Wailuku	17,364	1,673	586	434	421	58	34	6	1	20,577
Makawao	8,925	341	186	78	33	11	2	1	0	9,577
Lahaina	2,672	275	140	128	122	28	10	2	0	3,377
Hāna	456	45	9	6	4	0	0	0	0	520
Moloka'i	1,553	45	33	15	17	2	0	1	0	1,666
Subtotal	30,970	2,379	954	661	597	99	46	10	1	35,717
<b>Agricultural Meters</b>										
Wailuku	25	14	10	3	1	2	1	0	0	56
Makawao	301	54	69	85	33	0	0	0	0	542
Lahaina	4	3	5	0	1	0	1	0	0	14
Hāna	27	0	2	0	0	0	0	0	0	29
Moloka'i	4	1	2	0	0	0	0	0	0	7
Subtotal	361	72	88	88	35	2	2	0	0	648
<b>Total</b>	<b>31,331</b>	<b>2,451</b>	<b>1,042</b>	<b>749</b>	<b>632</b>	<b>101</b>	<b>48</b>	<b>10</b>	<b>1</b>	<b>36,365</b>

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2017.

## 7.1.9

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

*Fiscal year ending June 30, 2017*

	1,000 Gallons	Amount	Cost per 1,000 Gallons
<b>Purchased from</b>			
East Maui Irrigation	2,140,671	128,440	0.060
Wailuku Water Co.	166,574	85,986	0.516
Maui Land & Pine	689,065	187,535	0.272
Hawaiian Home Lands*	8,151	51,966	6.375
<b>Total</b>	<b>3,004,461</b>	<b>453,928</b>	<b>0.151</b>
<b>District</b>			
Wailuku	166,574	85,986	0.516
Kula	190,244	11,415	0.060
Makawao	1,936,864	116,212	0.060
Lahaina	689,065	187,535	0.272
Hāna	13,563	814	0.060
Moloka'i	6,592	42,313	6.419
<b>Total</b>	<b>3,002,902</b>	<b>444,274</b>	<b>0.148</b>

\* Billed bi-monthly.

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2017.



## 7.1.10

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

*Fiscal year ending June 30, 2017*

District	Services	Change from FY 2016	Consumption (1,000 gal)	Change from FY 2016 (1,000 gal)
<b>Wailuku District</b>				
Wailuku	6,289	5	1,273,053	17,985
Waihe'e	195	2	21,760	933
Waikapū	969	0	121,427	2,799
Wailuku Heights	496	0	66,633	(6,127)
Kahului	5,304	54	1,439,259	(13,444)
Pu'unēnē	11	0	22,723	(3,051)
Kīhei	6,008	11	3,893,460	(61,130)
Mā'alaea	45	0	87,870	23,401
Mākena	203	1	216,684	(39,377)
Pā'ia-Kū'au	908	3	144,229	(4,266)
Spreckelsville	205	1	62,173	(1,431)
<b>Subtotal</b>	<b>20,633</b>	<b>77</b>	<b>7,349,271</b>	<b>(83,708)</b>
<b>Makawao District</b>				
Kokomo-Kaupakalua	1,145	2	141,670	(7,376)
Kuiaha	302	1	44,291	(2,614)
Ha'ikū-Pa'uwela	849	6	107,794	(1,047)
Makawao	2,015	19	262,318	(23,022)
Pukalani	2,074	2	293,194	(1,220)
Hāli'imaile	199	0	34,214	(722)
Upper Kula	2,309	1	442,231	13,441
Lower Kula	1,105	0	605,642	7,454
'Ulupalakua-Kanaio	82	0	46,673	(2,034)
Kula Ag. Park	39	0	144,379	(578)
<b>Subtotal</b>	<b>10,119</b>	<b>31</b>	<b>2,122,406</b>	<b>(17,718)</b>
<b>Lahaina District</b>				
Lahaina	2,127	28	796,532	(18,727)
Honokōwai	449	0	506,836	2,881
'Alaelo	802	3	539,009	(27,280)
Honokōhau	13	0	1,225	111
<b>Subtotal</b>	<b>3,391</b>	<b>31</b>	<b>1,843,602</b>	<b>(43,015)</b>
<b>Moloka'i District</b>				
Kawela-Kaunakakai	1,162	(5)	189,189	(5,713)
'Ualapu'e	392	13	51,003	(7,033)
Kala'e	113	0	7,858	(710)
Hālawa	6	6	1,006	1,006
<b>Subtotal</b>	<b>1,673</b>	<b>14</b>	<b>249,056</b>	<b>(12,450)</b>
<b>Hāna District</b>				
Hāna	403	1	48,017	(1,581)
Nāhiku	39	0	3,331	(108)
Ke'anae	86	0	7,348	(2,039)
Kaupō	21	0	1,679	(165)
<b>Subtotal</b>	<b>549</b>	<b>1</b>	<b>60,375</b>	<b>(3,893)</b>

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2017.

7.1.11

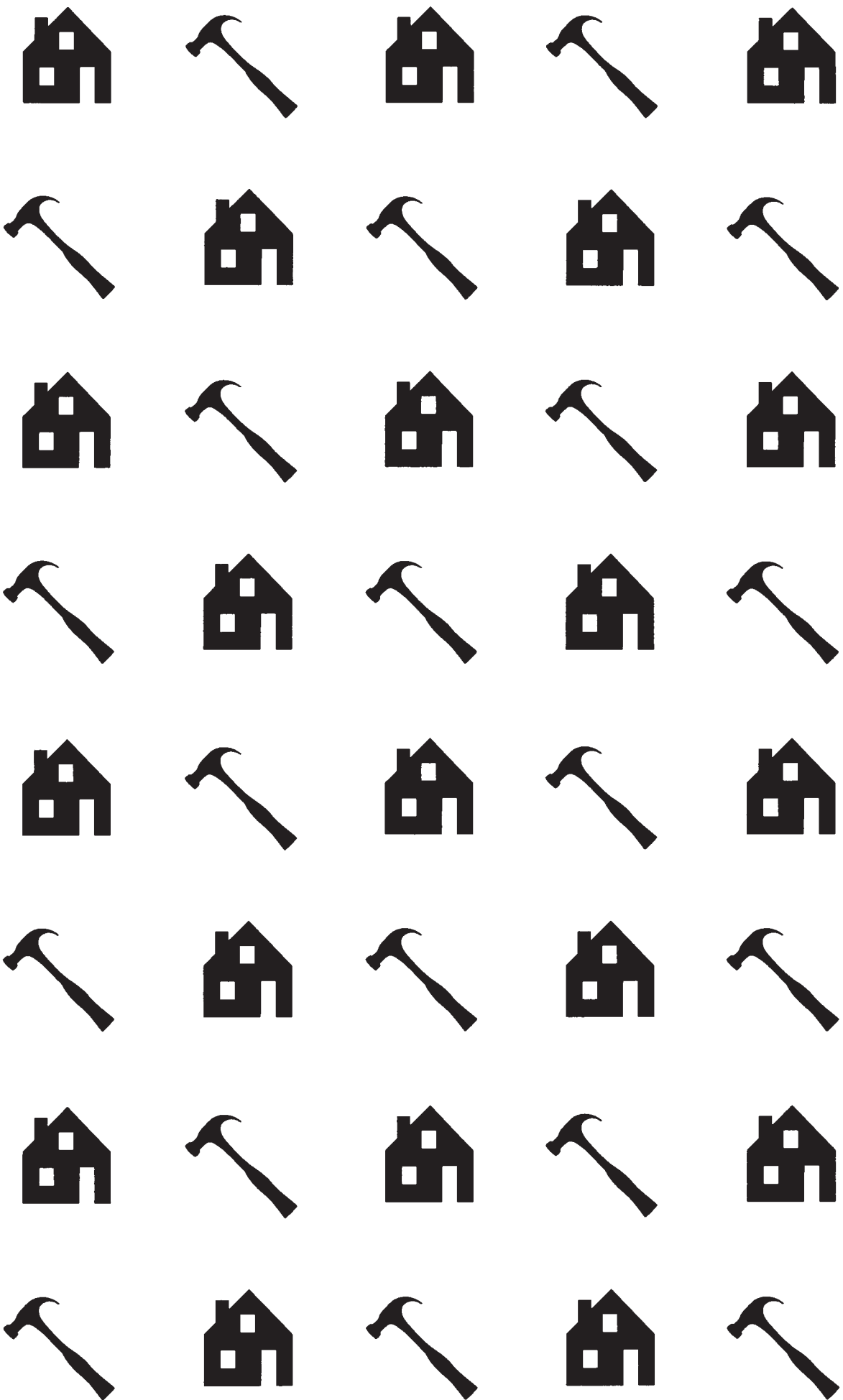
**WATER CONSUMPTION BY DISTRICT  
MAUI COUNTY**

*Fiscal year ending June 30, 2017; 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	973,547	652,666	79,204	48,737	172,651	20,280	9
August	884,249	589,455	66,848	41,919	153,083	22,983	9,961
September	989,011	667,806	78,986	39,004	179,235	19,896	4,084
October	884,815	603,746	67,343	46,541	143,630	19,669	3,886
November	949,692	643,210	71,927	55,221	153,503	21,086	4,745
December	809,292	530,698	66,081	34,398	156,890	17,583	3,642
January	824,945	575,716	67,656	42,644	133,109	1,780	4,040
February	798,135	531,903	66,105	37,648	138,478	20,566	3,435
March	743,316	483,403	58,912	33,083	126,746	36,186	4,986
April	942,615	637,620	75,808	47,431	158,085	19,665	4,006
May	798,696	528,345	64,363	35,576	140,646	25,418	4,348
June	962,138	646,709	77,092	46,134	168,281	18,971	4,951
<b>Total</b>	<b>10,560,451</b>	<b>7,091,277</b>	<b>840,325</b>	<b>508,336</b>	<b>1,824,337</b>	<b>244,083</b>	<b>52,093</b>
<b>Agricultural</b>							
July	93,676	23,020	4,827	63,627	1,739	463	0
August	108,360	29,752	3,466	71,154	1,530	448	2,010
September	84,278	19,599	3,621	57,932	2,054	295	777
October	92,693	13,649	3,074	73,478	1,505	369	618
November	124,942	27,665	3,462	90,931	2,066	355	463
December	66,775	21,170	3,070	39,353	2,093	240	849
January	80,953	21,280	3,301	54,297	1,310	-67	832
February	78,139	23,045	3,111	49,752	1,347	239	645
March	62,573	13,003	3,448	44,131	1,000	526	465
April	99,566	23,394	4,132	69,955	1,312	337	436
May	68,648	14,920	3,279	48,111	1,554	343	441
June	102,824	27,497	4,365	67,991	1,755	419	797
<b>Total</b>	<b>1,063,427</b>	<b>257,994</b>	<b>43,156</b>	<b>730,712</b>	<b>19,265</b>	<b>3,967</b>	<b>8,333</b>
<b>Grand Total</b>	<b>11,623,878</b>	<b>7,349,271</b>	<b>883,481</b>	<b>1,239,048</b>	<b>1,843,602</b>	<b>248,050</b>	<b>60,426</b>

SOURCE: COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY, ANNUAL REPORT FY 2017.

# 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 2016, there were approximately 53,612 occupied housing units on Maui of which around 31,726 (59%) were owner-occupied.

### 8.1.1

## NUMBER AND VALUE OF BUILDING PERMITS MAUI COUNTY

Year	Number Issued	Estimated Value (\$1,000)
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	*1,178	*384,686
2017	1,347	477,528

\* Revised data.

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	2012	2013	2014	2015	2016	2017
Residential	114,290	111,866	121,382	177,596	192,976	209,937
Hotel	19,883	75,070	256	307,990	0	0
Non-residential	74,095	62,041	131,646	122,405	*99,579	119,738
Additions and alterations	158,727	76,038	190,333	123,500	92,131	147,853
<b>Total</b>	<b>366,994</b>	<b>325,014</b>	<b>443,617</b>	<b>731,491</b>	<b>*384,686</b>	<b>477,528</b>

\* Revised data.

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

### 8.1.3

## PRIVATE RESIDENTIAL CONSTRUCTION AUTHORIZATIONS MAUI COUNTY

	2013	2014	2015	*2016	2017
<b>Authorized Housing Units (number)</b>					
New single family units	333	324	332	256	489
New multi-family units	20	14	170	311	372
<b>Total</b>	<b>353</b>	<b>338</b>	<b>502</b>	<b>567</b>	<b>861</b>
<b>Permit Value (\$)</b>					
New single family units	81,325,902	82,327,993	89,543,401	73,135,490	149,497,808
New multi-family units	3,423,360	2,868,380	50,121,464	77,972,073	60,451,736
<b>Total</b>	<b>84,749,262</b>	<b>85,196,373</b>	<b>139,664,865</b>	<b>151,107,563</b>	<b>209,949,544</b>

\* Revised data for 2016.

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	338	10	25	29
2016	258	40	3	0

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	\$30.15	\$24.44	\$38.12	\$28.13	\$35.20
<b>Housing Cost</b>					
2 bedroom FMR	\$1,568	\$1,271	\$1,982	\$1,463	\$1,830
Income needed to afford 2 bedroom FMR	\$62,720	\$50,840	\$79,280	\$58,520	\$73,217
Full-time jobs at minimum wage to afford 2 bedroom FMR	3.3	2.6	4.1	3.0	3.8
<b>Area Median Income (AMI)</b>					
Annual AMI	\$74,100	\$63,300	\$86,600	\$79,200	\$81,387
Rent affordable at AMI	\$1,853	\$1,583	\$2,165	\$1,980	\$2,035
30% of AMI	\$22,230	\$18,990	\$25,980	\$23,760	\$24,416
Rent affordable at 30% of AMI	\$556	\$475	\$650	\$594	\$610
<b>Renter Households</b>					
Number	22,639	21,835	141,051	8,606	194,183
% of total households	42%	34%	46%	38%	43%
Estimated mean renter hourly wage	\$14.35	\$11.17	\$16.53	\$15.55	\$15.64
Rent affordable at mean wage	\$746	\$581	\$860	\$809	\$813
Full time jobs at mean renter wage needed to afford 2 bedroom FMR	2.1	2.2	2.3	1.8	2.3

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

SOURCE: NATIONAL LOW INCOME HOUSING COALITION, OUT OF REACH 2017.

## 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 Grand	Condo	217	NA
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
South Maui Gardens	Mixed Use	9	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
Wada Commercial Bldg. & Hotel	Mixed Use / Hotel	8	NA
Bed and Breakfasts	B&B	125	NA
Short term rentals	New Class	207	NA
Transient vacation rentals		12	NA

NA: Not available

SOURCE: HAWAII TOURISM AUTHORITY, 2017 VISITOR PLANT INVENTORY; COUNTY OF MAUI DEPARTMENT OF PLANNING.

## 8.1.7

### AVERAGE ANNUAL WAGES FOR CONSTRUCTION INDUSTRIES MAUI COUNTY, 2016

Industry	Number of Establishments	Number of Employees	Total Wages	Average Annual Wages
<b>Construction</b>	<b>614</b>	<b>3,933</b>	<b>\$255,516,922</b>	<b>\$64,967</b>
<b>Construction of Buildings</b>	<b>219</b>	<b>1,326</b>	<b>\$89,770,638</b>	<b>\$67,700</b>
Residential	176	658	\$33,783,976	\$51,343
Nonresidential	43	668	\$55,986,662	\$83,812
<b>Heavy and Civil Engineering Construction</b>	<b>37</b>	<b>415</b>	<b>\$36,559,638</b>	<b>\$88,096</b>
Land Subdivision	13	76	\$5,514,882	\$72,564
Highway, Street, and Bridge Construction	11	253	\$25,719,067	\$101,656
<b>Specialty Trade Contractors</b>	<b>358</b>	<b>2,192</b>	<b>\$129,186,646</b>	<b>\$58,936</b>
Building Foundation/Exterior Contractors	71	407	\$20,271,702	\$49,808
Building Equipment Contractors	139	1,135	\$76,886,717	\$67,742
Building Finishing Contractors	102	420	\$19,738,392	\$46,996
Other Specialty Trade Contractors	46	231	\$12,289,835	\$53,203

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



## 8.1.8

## BUILDING PERMITS ISSUED MAUI COUNTY, 2017

Type of Permit	Number of Permits	Number of Units	Valuation
Single family, detached	484	484	\$148,556,108
Single family, attached, no unit over/below	3	5	\$1,204,070
Two family buildings	21	42	\$9,739,502
Three and four family buildings	4	16	3,790,476
Five or more family buildings	34	316	46,996,758
Industrial	4	0	4,860,000
Parking garages	7	0	698,342
Hospital and institutional	2	0	3,575,795
Offices, banks, and professional	8	0	18,613,060
Public works and utilities	3	0	\$7,455,350
Schools and other educational	5	0	27,766,000
Stores and customer service	43	0	26,335,666
Other non-residential	71	0	\$7,901,025
Structures other than bldgs	125	0	18,303,666
Residential alterations	305	3	\$25,008,727
Commercial alterations	230	0	\$122,836,984
Additions of res garages/carports	25	0	\$1,516,022
Demo-single family homes	26	0	\$354,659
Demo- all other	18	0	\$184,774
Repairs to dwellings	2	0	\$22,000
Repairs to other buildings	23	0	\$2,560,237
Fences, retaining walls, seawalls	102	0	\$4,979,179
Temporary structures	55	0	\$160,320
<b>Total</b>	<b>1,600</b>	<b>866</b>	<b>\$483,418,720</b>

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

## 8.1.9

## CONSTRUCTION ESTABLISHMENTS BY TYPE AND LOCATION, MAUI COUNTY, 2016

<b>Establishment Type</b>							
<b>Location</b>	<b>Number</b>	<b>Location</b>	<b>Number</b>	<b>Location</b>	<b>Number</b>	<b>Location</b>	<b>Number</b>
<b>Residential Building</b>							
Ha'ikū	15	Kula	10	Pā'ia	2	Kaunakakai	5
Hāna	2	Lahaina	19	Pu'unēnē	2	Kualapu'u	1
Kahului	10	Makawao	16	Wailuku	22	Lāna'i City	1
Kīhei	41						
<b>Nonresidential Building</b>							
Ha'ikū	1	Kula	2	Pu'unēnē	2	Kaunakakai	1
Kahului	4	Lahaina	3	Wailuku	6	Lāna'i City	1
Kihei	1	Makawao	4				
<b>Utility System Construction</b>							
Ha'ikū	1	Kīhei	1	Wailuku	3	Lāna'i City	1
Kahului	3						
<b>Land Subdivision</b>							
Kahului	3	Lahaina	1	Makawao	1	Wailuku	1
Kula	1						
<b>Heavy and Civil Engineering</b>							
Kīhei	1	Lahaina	2	Pu'unēnē	1	Wailuku	2
<b>Foundation, Structure, and Building Exterior</b>							
Ha'ikū	5	Kīhei	17	Lahaina	4	Pu'unēnē	3
Kahului	5	Kula	4	Makawao	5	Wailuku	13
<b>Building Equipment</b>							
Ha'ikū	11	Kula	5	Pā'ia	4	Ho'olehua	1
Kahului	21	Lahaina	11	Pu'unēnē	5	Kaunakakai	2
Kīhei	19	Makawao	12	Wailuku	22	Lāna'i City	1
<b>Building Finishing</b>							
Ha'ikū	12	Kīhei	17	Makawao	10	Wailuku	20
Hāna	1	Kula	7	Pā'ia	2		
Kahului	7	Lahaina	8	Pu'unēnē	3		
<b>Other Specialty Trade Contractors</b>							
Ha'ikū	7	Kula	6	Paia	1	Lāna'i City	1
Kahului	3	Lahaina	1	Pu'unēnē	4		
Kīhei	10	Makawao	5	Wailuku	8		

SOURCE: U.S. CENSUS BUREAU, 2016 ZIP CODE BUSINESS PATTERNS.

## 8.2.1

## SUMMARY HOUSING CHARACTERISTICS MAUI COUNTY, 2016

Characteristic	Number	Percent
<b>Total Housing Units</b>	<b>72,139</b>	<b>100.0%</b>
Median number of rooms	4.2	
<b>Occupied Housing Units</b>	<b>53,612</b>	<b>74.3%</b>
Structure built 1990 or later	24,659	34.2%
Structure built before 1940	3,401	6.6%
Lacking complete plumbing	147	0.3%
Lacking complete kitchen	868	1.6%
Lacking telephone service	1,891	3.5%
Moved into unit after 1999	37,739	70.5%
Moved into unit before 1980	4,886	9.1%
Occupants per room of 1.51 or more	2,549	4.8%
<b>Owner-Occupied Units</b>	<b>31,726</b>	<b>59.2%</b>
Median value	\$600,800	
With a mortgage	20,238	63.8%
Median monthly costs	\$2,209	
Monthly costs were 35% or more of income	6,124	30.5%
Not mortgaged	11,488	36.2%
Median monthly costs	\$459	
<b>Renter-Occupied Units</b>	<b>21,886</b>	<b>40.8%</b>
Median gross rent	\$1,254	
Rent was 35% or more of income	7,699	37.3%

SOURCE: U.S. CENSUS BUREAU, 2016 AMERICAN COMMUNITY SURVEY ONE-YEAR ESTIMATES.

## 8.2.2

## SELECTED HOUSING CHARACTERISTICS MAUI COUNTY

Maui County	2013	2014	2015	2016
<b>All Housing Units</b>	<b>71,147</b>	<b>71,469</b>	<b>71,712</b>	<b>72,139</b>
<b>Units in Structure</b>				
1 unit, detached	41,523	39,433	39,379	39,996
1 unit, attached	3,620	4,052	4,406	4,396
2 to 4 units	5,741	7,433	6,321	6,302
5 to 9 units	5,828	6,612	4,987	5,739
10 or more units	14,220	13,526	16,221	15,410
Mobile home, boat, other	215	413	398	296
Median number of rooms	4.1	4.1	4.1	4.2
<b>Occupied Housing Units</b>	<b>53,946</b>	<b>54,303</b>	<b>52,080</b>	<b>53,612</b>
With 1.01 or more occupants/room	5,523	5,376	6,462	5,762
<b>Vacant Housing Units</b>	<b>17,201</b>	<b>17,166</b>	<b>19,632</b>	<b>18,527</b>
For seasonal use	8,436	6,552	7,584	6,348
Homeowner vacancy rate	0.7	0.5	1.5	1.8
Rental vacancy rate	21.8	25.3	27.0	30.1
	31,904	30,931	30,523	31,726
<b>Owner-Occupied Units</b>	<b>59.1%</b>	<b>57.0%</b>	<b>58.6%</b>	<b>59.2%</b>
Percent of all occupied units	2.90	3.13	3.28	3.24
Average household size				
<b>Value of Owner-Occupied Units</b>	31,904	30,931	30,523	31,726
Total units	1,302	1,662	623	932
Less than \$100,000 unit value	1,486	1,485	1,220	667
\$100,000 to \$199,999	3,582	2,478	2,301	2,577
\$200,000 to \$299,999	11,388	8,617	8,304	7,527
\$300,000 to \$499,999	10,467	13,832	15,171	14,868
\$500,000 to \$999,999	3,679	2,857	2,904	5,155
\$1 million or more	\$471,800	\$534,100	\$569,300	\$600,800
Median value	<b>22,042</b>	<b>23,372</b>	<b>21,557</b>	<b>21,886</b>
<b>Renter-Occupied Units</b>	<b>40.9%</b>	<b>43.0%</b>	<b>41.4%</b>	<b>40.8%</b>
Percent of all occupied units	2.94	2.71	2.87	2.74
Average household size				
<b>Gross Rent</b>				
Total renters	19,869	21,559	19,980	20,811
Less than \$500 rent	NA	NA	1,152	1,996
\$500 to \$999	4,603	5,433	4,113	3,640
\$1,000 to \$1,499	7,279	7,381	5,982	7,646
\$1,500 or more	6,915	7,315	8,733	7,529
No cash rent	2,173	1,813	1,577	1,075
Median rent	<b>\$1,292</b>	<b>\$1,238</b>	<b>\$1,418</b>	<b>\$1,254</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

2016	Total Housing Units	Occupied Housing Units	Owner Occupied Units	Renter Occupied Units
<b>Maui Island</b>				
Hai'kū-Pa'uwela CDP	3,282	2,788	1,821	967
Hāli'imaile CDP	368	349	202	147
Hāna CDP	479	326	182	144
Kā'anapali CDP	1,854	509	426	83
Kahului CDP	8,018	7,404	4,156	3,248
Kapalua CDP	926	145	108	37
Kēōkea CDP	713	634	481	153
Kīhei CDP	12,438	8,192	3,964	4,228
Kula CDP	3,101	2,947	1,998	949
Lahaina CDP	4,144	3,474	1,549	1,925
Launiupoko CDP	258	188	102	86
Ma'alaea CDP	626	217	142	75
Mahinahina CDP	422	375	299	76
Makawao CDP	2,570	2,304	1,229	1,075
Mākena CDP	101	53	30	23
Nāpili-Honokōwai CDP	4,257	2,768	1,144	1,624
Olinda CDP	520	445	274	171
Olowalu CDP	68	52	40	12
Pā'ia CDP	993	741	475	266
Pukalani CDP	3,082	2,829	1,892	937
Waihe'e-Waiehu CDP	2,504	2,440	1,891	549
Waikapū CDP	1,030	924	733	191
Wailea CDP	6,269	2,613	1,689	924
Wailuku CDP	6,400	5,870	3,308	2,562
<b>Moloka'i</b>				
Kaunakakai CDP	1,558	1,269	799	470
Kualapu'u CDP	681	596	438	158
Maunaloa CDP	163	126	37	89
Ualapu'e CDP	275	149	98	51
<b>Lāna'i</b>				
Lāna'i City CDP	1,486	1,255	637	618
Manele CDP	57	6	6	0

SOURCE: U.S. CENSUS BUREAU, 2012-2016 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.4

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

2016	All Housing Units	Vacant Units	Seasonal, Recreational or Occasional	Homeowner Vacancy Rate	Rental Vacancy Rate
<b>Maui Island</b>					
Hai'kū-Pa'uwela CDP	3,282	494	350	0.0	4.5
Hāli'imaile CDP	368	19	0	0.0	0.0
Hāna CDP	479	153	92	2.2	25.4
Kā'anapali CDP	1,854	1,345	438	7.8	91.1
Kahului CDP	8,018	614	64	0.0	6.1
Kapalua CDP	926	781	393	8.2	88.7
Kēōkea CDP	713	79	32	0.0	10.6
Kīhei CDP	12,438	4,246	1,461	0.3	34.0
Kula CDP	3,101	154	87	0.0	0.0
Lahaina CDP	4,144	670	251	1.6	10.6
Launiupoko CDP	258	70	50	0.0	15.7
Ma'alaea CDP	626	409	151	7.1	73.8
Mahinahina CDP	422	47	20	0.0	0.0
Makawao CDP	2,570	266	139	0.0	2.2
Mākena CDP	101	48	28	3.2	23.3
Nāpili-Honokōwai CDP	4,257	1,489	458	0.0	34.6
Olinda CDP	520	75	57	3.2	5.0
Olowalu CDP	68	16	9	0.0	0.0
Pā'ia CDP	993	252	91	2.7	25.3
Pukalani CDP	3,082	253	170	0.0	2.5
Waihe'e-Waiehu CDP	2,504	64	8	0.0	5.0
Waikapū CDP	1,030	106	49	2.3	0.0
Wailea CDP	6,269	3,656	1,353	5.0	68.2
Wailuku CDP	6,400	530	75	1.8	3.4
<b>Moloka'i</b>					
Kaunakakai CDP	1,558	289	85	0.0	14.7
Kualapu'u CDP	681	85	42	0.0	7.1
Maunaloa CDP	163	37	2	0.0	18.3
Ualapu'e CDP	275	126	61	4.9	45.9
<b>Lāna'i</b>					
Lāna'i City CDP	1,486	231	115	1.4	8.5
Manele CDP	57	51	51	0.0	0.0

SOURCE: U.S. CENSUS BUREAU, 2012-2016 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.5

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

2016	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	3,282	2,788	1,821	967	3.04	2.09
Hāli'imaile CDP	368	349	202	147	3.25	2.90
Hāna CDP	479	326	182	144	4.18	2.50
Kā'anapali CDP	1,854	509	426	83	2.07	2.06
Kahului CDP	8,018	7,404	4,156	3,248	4.24	3.35
Kapalua CDP	926	145	108	37	1.91	2.81
Kēōkea CDP	713	634	481	153	3.47	2.29
Kīhei CDP	12,438	8,192	3,964	4,228	2.86	2.51
Kula CDP	3,101	2,947	1,998	949	2.45	2.57
Lahaina CDP	4,144	3,474	1,549	1,925	3.60	3.52
Launiupoko CDP	258	188	102	86	2.48	2.44
Ma'alaea CDP	626	217	142	75	1.70	1.29
Mahinahina CDP	422	375	299	76	2.28	2.91
Makawao CDP	2,570	2,304	1,229	1,075	2.95	2.44
Mākena CDP	101	53	30	23	2.27	2.26
Nāpili-Honokōwai CDP	4,257	2,768	1,144	1,624	2.30	2.60
Olinda CDP	520	445	274	171	2.46	2.47
Olowalu CDP	68	52	40	12	2.08	2.17
Pā'ia CDP	993	741	475	266	3.50	3.25
Pukalani CDP	3,082	2,829	1,892	937	3.13	2.56
Waihe'e-Waiehu CDP	2,504	2,440	1,891	549	3.92	3.19
Waikapū CDP	1,030	924	733	191	3.62	3.21
Wailea CDP	6,269	2,613	1,689	924	2.23	2.20
Wailuku CDP	6,400	5,870	3,308	2,562	2.74	2.73
<b>Moloka'i</b>						
Kaunakakai CDP	1,558	1,269	799	470	3.39	2.17
Kualapu'u CDP	681	596	438	158	3.54	3.29
Maunaloa CDP	163	126	37	89	3.84	3.56
Ualapu'e CDP	275	149	98	51	2.49	3.57
<b>Lāna'i</b>						
Lāna'i City CDP	1,486	1,255	637	618	2.86	2.62
Manele CDP	57	6	6	0	1.50	0.00

SOURCE: U.S. CENSUS BUREAU, 2012-2016 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.6

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

2016	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	1,821	84	18	84	237	922	476
Hāli'imaile CDP	202	6	7	31	100	54	4
Hāna CDP	182	22	4	8	84	57	7
Kā'anapali CDP	426	8	0	0	20	173	225
Kahului CDP	4,156	215	108	119	1,737	1,891	86
Kapalua CDP	108	2	0	2	9	27	68
Kēōkea CDP	481	15	32	87	149	110	88
Kīhei CDP	3,964	58	184	575	1,430	1,485	232
Kula CDP	1,998	46	34	59	292	924	643
Lahaina CDP	1,549	46	47	97	479	762	118
Launiupoko CDP	102	0	5	0	8	15	74
Ma'alaea CDP	142	7	4	10	64	54	3
Mahinahina CDP	299	4	45	31	54	120	45
Makawao CDP	1,229	32	19	30	477	647	24
Mākena CDP	30	1	0	0	0	2	27
Nāpili-Honokōwai CDP	1,144	37	86	193	413	322	93
Olinda CDP	274	0	2	0	22	147	103
Olowalu CDP	40	0	2	0	5	9	24
Pā'ia CDP	475	16	0	35	132	265	27
Pukalani CDP	1,892	79	16	0	413	1,336	48
Waihe'e-Waiehu CDP	1,891	60	178	259	776	529	89
Waikapū CDP	733	17	0	34	292	386	4
Wailea CDP	1,689	66	8	63	173	771	608
Wailuku CDP	3,308	74	225	424	1,133	1,419	33
<b>Moloka'i</b>							
Kaunakakai CDP	799	40	150	178	263	155	13
Kualapu'u CDP	438	78	151	78	64	47	20
Maunaloa CDP	37	0	7	19	7	4	0
Ualapu'e CDP	98	1	31	23	25	13	5
<b>Lāna'i</b>							
Lāna'i City CDP	637	30	30	86	358	121	12
Manele CDP	6	0	0	0	0	0	6

SOURCE: U.S. CENSUS BUREAU, 2012-2016 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.



## 8.2.7

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

2016	Total Rentals	Less than 20%	20% to 24.9%	25% to 29.9%	30% to 34.9 %	Over 35%	Not Computed
<b>Maui Island</b>							
Hai'kū-Pa'uwela CDP	967	241	55	219	18	170	264
Hāli'imaile CDP	147	24	22	24	13	54	10
Hāna CDP	144	18	20	20	9	52	25
Kā'anapali CDP	83	18	6	2	8	33	16
Kahului CDP	3,248	765	250	640	368	1,056	169
Kapalua CDP	37	12	0	4	6	11	4
Kēōkea CDP	153	40	20	5	10	51	27
Kīhei CDP	4,228	798	494	580	459	1,683	214
Kula CDP	949	181	155	43	83	406	81
Lahaina CDP	1,925	562	252	128	111	738	134
Launiupoko CDP	86	20	1	0	14	28	23
Ma'alaea CDP	75	13	8	10	10	22	12
Mahinahina CDP	76	13	9	2	27	22	3
Makawao CDP	1,075	231	97	144	123	440	40
Mākena CDP	23	0	0	14	0	0	9
Nāpili-Honokōwai CDP	1,624	279	208	271	128	700	38
Olinda CDP	171	42	44	3	0	62	20
Olowalu CDP	12	1	1	6	0	4	0
Pā'ia CDP	266	50	44	20	21	86	45
Pukalani CDP	937	285	49	120	41	323	119
Waihe'e-Waiehu CDP	549	120	116	18	61	156	78
Waikapū CDP	191	23	23	34	7	98	6
Wailea CDP	924	116	40	138	78	442	110
Wailuku CDP	2,562	634	371	195	234	871	257
<b>Moloka'i</b>							
Kaunakakai CDP	470	98	39	37	9	188	99
Kualapu'u CDP	158	36	12	18	9	36	47
Maunaloa CDP	89	14	11	0	9	44	11
Ualapu'e CDP	51	6	5	6	3	16	15
<b>Lāna'i</b>							
Lāna'i City CDP	618	175	117	120	51	141	14
Manele CDP	0	0	0	0	0	0	0

SOURCE: U.S. CENSUS BUREAU, 2012-2016 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.8

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

2016	Total	Less than \$500 <sup>1</sup>	\$500 to \$999	\$1,000 to \$1,499	\$1,500 to \$1,999	\$2,000 to \$2,499	\$2,500 or more
<b>Maui Island</b>							
Hai'kū-Pa'uwela CDP	967	264	215	154	124	149	61
Hāli'imaile CDP	147	8	39	48	38	12	2
Hāna CDP	144	25	66	44	9	0	0
Kā'anapali CDP	83	16	0	4	8	24	31
Kahului CDP	3,248	423	850	880	751	280	64
Kapalua CDP	37	4	1	2	10	10	10
Kēōkea CDP	153	30	20	69	21	0	13
Kīhei CDP	4,228	424	548	1,410	1,150	553	143
Kula CDP	949	31	207	401	229	30	51
Lahaina CDP	1,925	346	295	707	263	93	221
Launiupoko CDP	86	23	7	14	6	2	34
Ma'alaea CDP	75	14	1	41	11	2	6
Mahinahina CDP	76	3	0	13	25	20	15
Makawao CDP	1,075	85	296	371	236	57	30
Mākena CDP	23	9	14	0	0	0	0
Nāpili-Honokōwai CDP	1,624	73	75	661	526	143	146
Olinda CDP	171	23	21	34	38	24	31
Olowalu CDP	12	0	7	1	0	0	4
Pā'ia CDP	266	40	9	65	19	95	38
Pukalani CDP	937	119	168	435	98	105	12
Waihe'e-Waiehu CDP	549	152	31	176	127	28	35
Waikapū CDP	191	18	38	36	28	26	45
Wailea CDP	924	70	41	220	244	163	186
Wailuku CDP	2,562	414	864	669	304	207	104
<b>Moloka'i</b>							
Kaunakakai CDP	470	160	187	96	24	0	3
Kualapu'u CDP	158	52	20	56	27	3	0
Maunaloa CDP	89	20	59	10	0	0	0
Ualapu'e CDP	51	16	22	8	3	2	0
<b>Lāna'i</b>							
Lāna'i City CDP	618	45	263	238	72	0	0
Manele CDP	0	0	0	0	0	0	0

1. Includes no cash rent.

SOURCE: U.S. CENSUS BUREAU, 2012-2016 AMERICAN COMMUNITY SURVEY FIVE-YEAR ESTIMATES.

## 8.2.9

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

	2013	2014	2015	2016
<b>Owner</b>				
Housing units with a mortgage	20,873	21,160	20,728	20,238
Less than 20% of income	5,120	4,815	6,239	8,054
20% to 24.9%	3,333	3,147	2,696	2,775
25% to 29.9%	2,075	3,542	2,210	2,105
30% to 34.9%	1,208	1,676	1,545	1,040
35% or more	9,137	7,980	8,038	6,124
Not computed	112	155	83	140
Median mortgage (dollars)	\$2,261	\$2,164	\$2,225	\$2,209
<b>Renter</b>				
Renter-occupied units	19,418	21,326	19,756	21,886
Less than 15% of income	2,512	2,483	2,188	3,796
15% to 19.9%	3,020	1,767	2,655	2,607
20% to 24.9%	2,684	2,082	2,481	1,888
25% to 29.9%	2,119	4,182	2,420	2,642
30% to 34.9%	1,697	1,996	2,054	2,001
35% or more	7,386	8,816	7,958	7,699
Not computed	2,624	2,046	1,801	1,253
Median rent (dollars)	\$1,292	\$1,238	\$1,418	\$1,254

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

## 8.2.10

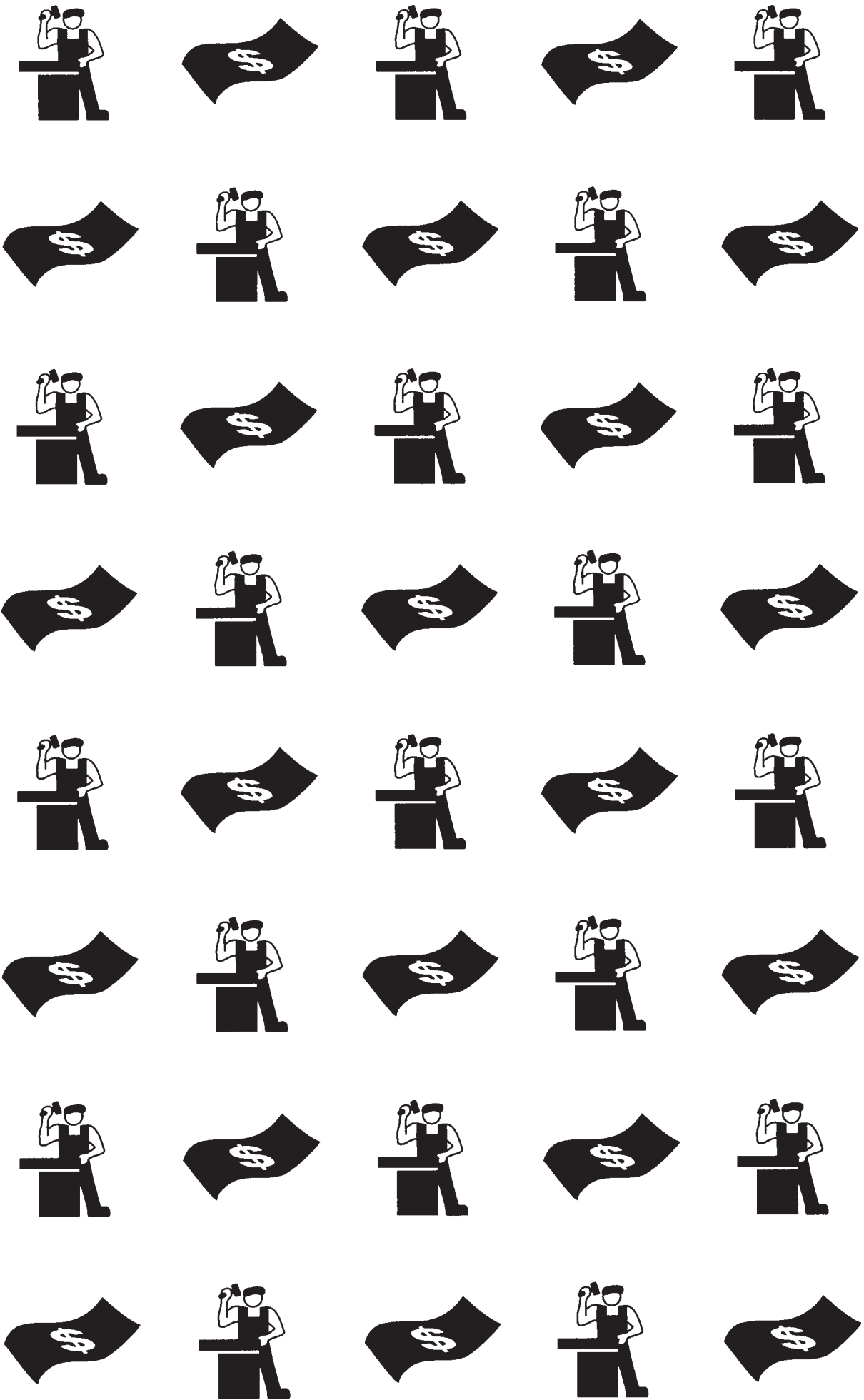
### FORECLOSURE FILINGS BY JUDICIAL CIRCUIT

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
2016	302	506	838	88	1,734
2017	228	471	689	73	1,461

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 2017 was 86,550 and the number of employed was 84,350. The unemployment rate decreased from 3.1% to 2.5% between 2016 and 2017.

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'S 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	2013	2014	2015	2016	2017
Hāna	5,808	5,825	7,276	5,939	6,264
Kahului	902,230	972,135	1,247,820	1,324,082	1,406,553
Kīhei	486,548	496,687	530,600	558,900	618,365
Lahaina	447,658	495,438	571,335	586,882	601,621
Makawao	195,587	214,635	228,132	255,353	186,735
Pā'ia	58,842	70,487	77,518	80,231	97,421
Pukalani	0	0	0	0	88,112
Wailuku	344,756	372,569	199,736	226,674	259,527
Kaunakakai	70,816	69,776	73,797	77,856	89,560
Lāna'i City	31,465	33,638	34,903	36,266	38,397
<b>Total</b>	<b>\$2,543,710</b>	<b>\$2,731,190</b>	<b>\$2,971,117</b>	<b>\$3,152,183</b>	<b>\$3,392,555</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, 2017

Name	Location	Assets (\$)	Loans (\$)	Members
Kahului	Kahului	\$58,059,234	\$21,936,175	4,598
Lānaʻi	Lānaʻi City	\$27,789,346	\$1,193,934	1,807
Maui	Kahului	\$100,855,593	\$34,649,221	7,072
Maui County <sup>1</sup>	Wailuku	\$317,169,400	\$141,926,630	18,721
Maui Teachers	Wailuku	\$32,911,804	\$5,338,961	1,691
Molokaʻi Community	Kaunakakai	\$24,325,504	\$10,004,465	4,484
Valley Isle Community	Kahului	\$115,301,118	\$47,239,153	13,441
Wailuku	Wailuku	\$50,614,939	\$36,149,568	4,429
<b>Maui County Total</b>		<b>\$727,026,938</b>	<b>\$298,438,107</b>	<b>56,243</b>

1. The West Maui Community Federal Credit Union merged with the Maui County Federal Credit Union on Sept. 1, 2017.

SOURCE: NATIONAL CREDIT UNION ADMINISTRATION, FINANCIAL PERFORMANCE REPORTS.

### 9.1.4

## FEDERAL CREDIT UNION CHARACTERISTICS MAUI COUNTY

	2014	2015	2016	2017
Number of credit unions	10	9	9	8
Total members	55,120	55,683	55,791	56,243
Total assets	\$668,624,093	\$689,900,145	\$719,882,436	\$727,026,938
Total shares and deposits	\$574,975,688	\$592,350,617	\$618,987,568	\$623,132,912
Number of shares & deposit accounts	84,301	83,504	85,800	86,696
Total loans	\$263,267,520	\$278,951,834	\$284,696,145	\$298,438,107
Number of loans	19,324	22,191	32,434	30,559

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



## 9.2.1

# CIVILIAN LABOR FORCE SUMMARY BY COUNTY AND STATE OF HAWAI'I

*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>					
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	79,900	86,200	451,500	34,000	651,550
2014	82,450	87,700	461,750	34,800	666,650
2015	83,950	88,700	467,700	35,150	675,500
2016	85,850	91,550	470,900	35,850	684,150
2017	86,550	91,400	471,350	36,150	685,400
<b>Employed</b>					
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	75,750	80,400	431,450	32,050	619,700
2014	78,700	82,850	443,000	33,100	637,650
2015	80,800	84,800	452,100	33,750	651,450
2016	83,200	88,200	457,950	34,700	664,050
2017	84,350	88,850	460,800	35,250	669,250
<b>Unemployed</b>					
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	4,150	5,750	20,050	1,950	31,850
2014	3,750	4,850	18,750	1,700	29,000
2015	3,100	3,900	15,600	1,400	24,050
2016	2,650	3,350	13,000	1,150	20,150
2017	2,200	2,550	10,550	850	16,200
<b>Percent Unemployed</b>					
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	5.2	6.7	4.4	5.7	4.9
2014	4.5	5.5	4.1	4.8	4.4
2015	3.7	4.4	3.3	4.0	3.6
2016	3.1	3.7	2.8	3.2	2.9
2017	2.5	2.8	2.2	2.4	2.4

Note: Data for 2013 to 2017 reflect revised population controls and model reestimation.

SOURCE: HAWAI'I 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>				
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	75,850	2,450	1,600	79,900
2014	78,250	2,550	1,650	82,450
2015	79,900	2,500	1,550	83,950
2016	81,700	2,550	1,600	85,850
2017	82,600	2,400	1,550	86,550
<b>Employment</b>				
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	72,000	2,200	1,550	75,750
2014	74,850	2,250	1,600	78,700
2015	77,050	2,250	1,500	80,800
2016	79,300	2,350	1,550	83,200
2017	80,600	2,250	1,500	84,350

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**9.2.2**  
**CONTINUED**

	Maui	Moloka'i	Lāna'i	Maui County
<b>Unemployment</b>				
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	3,850	250	50	4,150
2014	3,400	300	*	3,750
2015	2,850	200	50	3,100
2016	2,400	200	100	2,650
2017	2,000	150	50	2,200
<b>Percent Unemployed</b>				
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	5.1	10.2	3.3	5.2
2014	4.3	11.7	2.8	4.5
2015	3.6	8.9	3.7	3.7
2016	2.9	7.1	4.8	3.1
2017	2.4	5.9	3.4	2.5

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 2013 to 2017 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, 2017	Percent Distribution						
	Civilian Labor Force	Employed	Unemployed	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
<b>Both Sexes</b>	<b>86,550</b>	<b>84,350</b>	<b>2,200</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>2.5%</b>
White	34,800	34,050	750	40.2%	40.3%	34.4%	2.2%
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	24,800	24,400	350	28.6%	28.9%	17.0%	1.5%
Native Hawaiian/ Pacific Islander	8,200	7,750	400	9.4%	9.2%	19.1%	5.1%
Some Other Race	1,500	1,400	100	1.7%	1.7%	4.2%	6.2%
Two or More Races	16,450	15,850	550	19.0%	18.8%	25.3%	3.4%
Minority Group	7,700	7,450	250	8.9%	8.8%	11.5%	3.3%
Hispanic or Latino	59,500	57,800	1,700	63.1%	62.9%	69.1%	2.8%
<b>Females</b>	<b>40,900</b>	<b>40,100</b>	<b>800</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>1.9%</b>
White	15,550	15,300	250	38.1%	38.2%	32.2%	1.6%
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	12,800	12,700	150	31.4%	31.6%	17.6%	1.1%
Native Hawaiian/ Pacific Islander	3,600	3,450	150	8.8%	8.6%	17.6%	3.9%
Some Other Race	750	700	50	1.8%	1.7%	8.8%	9.3%
Two or More Races	7,950	7,750	200	19.4%	19.3%	23.8%	2.4%
Minority Group	3,500	3,450	50	8.6%	8.6%	9.1%	2.1%
Hispanic or Latino	28,850	28,250	600	65.0%	64.9%	70.4%	2.1%
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

Industry, 2017	Maui	Moloka'i	Lāna'i	Maui County
<b>TOTAL NONAGRICULTURAL - Wage &amp; Salary Jobs</b>	<b>73,200</b>	<b>1,700</b>	<b>1,400</b>	<b>76,400</b>
<b>TOTAL PRIVATE</b>	<b>64,900</b>	<b>1,100</b>	<b>1,200</b>	<b>67,300</b>
<b>Goods Producing</b>	4,900	*	NA	5,000
<b>Natural Resources &amp; Mining &amp; Construction</b>	3,900	*	*	4,000
Special Trade Contractors	2,100	NA	NA	2,200
<b>Manufacturing</b>	1,000	**	NA	1,000
Durable Goods	400	NA	NA	400
Non-Durable Goods	600	NA	NA	600
<b>Service Providing</b>	68,300	1,600	1,300	71,400
<b>Private Service Providing</b>	60,000	1,100	1,200	62,300
<b>Trade, Transportation &amp; Utilities</b>	15,000	300	100	15,500
Wholesale Trade	1,500	**	**	1,500
Retail Trade	9,400	200	*	9,700
Food & Beverage Stores	2,300	100	**	2,500
Clothing & Clothing Accessories Stores	1,500	NA	NA	1,500
General Merchandise	1,600	NA	NA	1,700
Transportation, Warehousing & Utilities	4,100	*	*	4,300
Air Transportation	600	NA	NA	700
<b>Information</b>	500	**	**	600
<b>Financial Activities</b>	2,800	*	*	3,000
Finance & Insurance	900	**	**	900
<b>Professional &amp; Business Services</b>	7,200	**	200	7,400
Professional, Scientific & Technical Services	1,400	**	**	1,400
Management of Companies & Enterprises	200	NA	NA	300
Administrative & Support & Waste				
Management & Remediation Services	5,600	NA	NA	5,700
<b>Education &amp; Health Services</b>	7,400	300	*	7,800
Education Services	1,100	0	0	1,100
Health Care & Social Assistance	6,300	300	*	6,700
<b>Leisure and Hospitality</b>	24,000	200	600	24,800
Accommodation & Food Services	21,500	200	600	22,400
Accommodation	11,600	**	600	12,200
Food Services and Drinking Places	10,000	100	*	10,100
Full-Service Restaurants	6,900	**	NA	6,900
<b>Other Services</b>	3,000	100	*	3,200
<b>GOVERNMENT</b>	<b>8,300</b>	<b>600</b>	<b>200</b>	<b>9,100</b>
Federal Government	800	**	**	900
State Government	5,000	400	100	5,600
State Education (DOE & UH)	3,100	300	*	3,400
Local Government	2,500	100	**	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'S STATE DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS.

## 9.2.5

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

2016 Rank	Occupation	Estimated Employees	Annual Mean Wage	Statewide Annual Wage
1	Retail Salespersons	3,290	\$29,590	\$28,470
2	Waiters and Waitresses	3,200	\$39,870	\$37,100
3	Maids and Housekeeping Cleaners	2,930	\$35,640	\$36,830
4	Cab Drivers	1,980	\$26,250	\$23,600
5	Cooks, Restaurant	1,950	\$41,180	\$33,740
6	Combined Food Preparation and Serving Workers, incl. Fast Food	1,570	\$21,940	\$23,030
7	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,510	\$29,570	\$27,970
8	Landscaping and Groundskeeping Workers	1,470	\$32,000	\$30,640
9	Office Clerks, General	1,270	\$34,290	\$33,670
10	Maintenance and Repair Workers, General	1,220	\$47,580	\$44,900

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 11, 2017.

## 9.2.6

### INCOME FOR HOUSEHOLDS AND FAMILIES MAUI COUNTY

Income (in Inflation-Adjusted Dollars)	2015		2016	
	Households	Families	Households	Families
Total number	52,080	36,501	53,612	36,383
Less than \$10,000	2,525	1,289	3,028	983
\$10,000 to \$14,999	1,502	785	1,838	772
\$15,000 to \$24,999	3,513	1,496	4,070	1,966
\$25,000 to \$34,999	4,431	2,547	3,180	2,342
\$35,000 to \$49,999	5,123	3,237	5,670	3,079
\$50,000 to \$74,999	10,903	8,173	9,837	7,944
\$75,000 to \$99,999	8,473	6,424	6,850	5,245
\$100,000 to \$149,999	8,617	7,060	9,286	6,974
\$150,000 to \$199,999	4,212	3,380	4,976	3,269
\$200,000 or more	2,781	2,110	4,877	3,809
Median income	\$70,497	\$77,267	\$72,257	\$78,797
Mean income	\$86,558	\$94,302	\$98,524	\$106,432

SOURCE: U.S. CENSUS BUREAU, 2015 AND 2016 AMERICAN COMMUNITY SURVEY 1-YEAR ESTIMATES.

## 9.2.7

## LONG TERM INDUSTRY EMPLOYMENT PROJECTIONS MAUI COUNTY

Occupation	Employment		Number Change	Percent Change	Annual Growth
	2014	2024			
<b>Total Employment, All Jobs</b>	<b>81,180</b>	<b>87,090</b>	<b>5,920</b>	<b>7.3%</b>	<b>0.7%</b>
<b>Goods Producing</b>	<b>6,020</b>	<b>6,690</b>	<b>660</b>	<b>11.0%</b>	<b>1.1%</b>
<b>Natural Resources &amp; Mining</b>	1,490	1,450	-40	-2.6%	-0.3%
<b>Construction</b>	3,320	4,010	680	20.5%	2.0%
<b>Manufacturing</b>	1,210	1,230	20	1.8%	0.2%
<b>Service Providing</b>	<b>66,870</b>	<b>71,640</b>	<b>4,770</b>	<b>7.1%</b>	<b>0.7%</b>
<b>Trade, Transportation, &amp; Utilities</b>	14,460	15,990	1,530	10.6%	1.1%
Wholesale Trade	1,460	1,640	180	12.1%	1.2%
Retail Trade	9,310	10,220	920	9.8%	1.0%
Transportation & Warehousing	3,200	3,630	430	13.3%	1.3%
Utilities	500	510	10	2.2%	0.2%
<b>Information</b>	590	520	-60	-11.1%	-1.1%
<b>Financial Activities</b>	2,760	2,940	180	6.6%	0.7%
Finance & Insurance	830	880	40	5.3%	0.5%
Real Estate & Rental & Leasing	1,930	2,060	140	7.2%	0.7%
<b>Professional &amp; Business Services</b>	6,890	7,520	630	9.1%	0.9%
Professional, Scientific, & Technical Services	1,400	1,570	180	12.5%	1.3%
Management of Companies & Enterprises	310	290	-20	-6.4%	-0.6%
Administrative & Support & Waste Management	5,180	5,660	480	9.2%	0.9%
<b>Education &amp; Health Services</b>	11,330	12,530	1,210	10.7%	1.1%
Educational Services	4,530	4,760	230	5.0%	0.5%
Health Care & Social Assistance	6,800	7,780	980	14.4%	1.4%
<b>Leisure &amp; Hospitality</b>	23,130	24,150	1,020	4.4%	0.4%
Arts, Entertainment, & Recreation	2,070	2,210	140	6.7%	0.7%
Accommodation & Food Services	21,060	21,940	880	4.2%	0.4%
Accommodation	11,910	12,230	320	2.7%	0.3%
Food Services & Drinking Places	9,150	9,710	560	6.1%	0.6%
<b>Other Services (Except Government)</b>	2,720	2,870	150	5.4%	0.5%
<b>Government<sup>1</sup></b>	4,990	5,120	120	2.5%	0.2%
<b>Total Self-Employed &amp; Unpaid Family Workers</b>	<b>8,280</b>	<b>8,770</b>	<b>480</b>	<b>5.8%</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, 2017

*All claimants*

Characteristic	Maui/Lānaʻi Annual Average	Percent of Total	Molokaʻi Annual Average	Percent of Total
<b>Total</b>	<b>1,042</b>	<b>100.0</b>	<b>67</b>	<b>100.0</b>
<b>Sex</b>				
Male	705	67.7	38	56.8
Female	336	32.3	29	43.2
<b>Industry</b>				
State	19	1.8	2	2.6
County	--	--	0	0.0
Agriculture/Forestry/Fishing	102	9.8	21	30.5
Mining	0	0.0	0	0.0
Utilities	1	0.0	0	0.0
Construction	277	26.5	10	14.4
Manufacturing	6	0.5	1	0.9
Wholesale Trade	9	0.9	0	0.0
Retail Trade	68	6.5	1	1.9
Transportation/Warehousing	44	4.2	5	6.9
Information	6	0.6	0	0.0
Finance/Insurance	6	0.6	0	0.0
Real Estate/Rental/Leasing	21	2.0	0	0.0
Professional/Tech. Services	19	1.8	0	0.0
Management of Companies	5	0.4	0	0.0
Admin/Waste Services	129	12.4	3	4.8
Education	7	0.6	0	0.0
Health Care/Social Assistance	31	3.0	7	9.7
Arts/Entertainment/Recreation	25	2.4	1	0.9
Accommodation/Food Services	132	12.6	3	4.7
Other Services	19	1.8	2	3.3
Public Administration	0	0.0	0	0.0
Information not available	117	11.3	12	17.9
<b>Age</b>				
Under 22	12	1.1	1	1.9
22 to 24	31	3.0	3	5.1
25 to 34	215	20.6	13	19.9
35 to 44	233	22.3	13	19.9
45 to 54	241	23.2	15	21.6
55 to 64	250	24.0	11	15.9
65 and over	60	5.7	11	15.9
<b>Duration</b>				
1 to 4 weeks	386	37.0	23	34.2
5 to 14 weeks	387	37.2	26	38.7
15 and over	269	25.8	18	27.0

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## 9.3.1

## CONTINUED

Characteristic	Maui/Lānaʻi		Molokaʻi	
	Annual Average	Percent of Total	Annual Average	Percent of Total
<b>Occupation</b>				
Management	82	7.9	3	5.1
Business/Finance	24	2.3	2	3.2
Computer/Math	10	0.9	--	--
Architecture/Engineer	9	0.9	1	0.7
Life/Physical/Social Science	8	0.8	1	1.5
Community/Social Services	11	1.1	1	1.9
Legal	2	0.2	0	0.0
Education/Training/Library	14	1.3	1	1.5
Arts/Entertainment/Sports	20	1.9	1	1.1
Health Practitioner/Tech.	14	1.3	1	1.6
Healthcare Support	9	0.9	1	1.2
Protective Services	8	0.7	1	1.1
Food Preparation/Serving	113	10.8	4	6.2
Building/Grounds Maintenance	33	3.2	3	4.5
Personal Care/Service	25	2.4	1	2.1
Sales	71	6.8	2	2.9
Office/Administrative Support	98	9.4	9	12.9
Farm/Fishing/Forestry	30	2.9	18	26.3
Construction	304	29.1	9	13.6
Installation/Repair	72	6.9	2	3.5
Production	22	2.1	1	0.9
Transportation/Moving	48	4.6	4	5.2
Information not available	16	1.5	2	2.4
<b>Ethnicity</b>				
American Indian	12	1.1	0	0.0
Chinese	8	0.8	0	0.0
Filipino	211	20.2	13	18.7
Japanese	38	3.6	1	0.7
Other Asian	13	1.2	0	0.0
Black	12	1.2	0	0.2
Hawaiian	203	19.5	44	65.6
Other Pacific Islander	45	4.3	1	1.1
White & Latino	353	33.9	6	8.4
Other	147	14.1	3	5.1
Information not available	0	0.0	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 2017.

## 9.3.2

## LABOR FORCE STATUS AND EMPLOYMENT CHARACTERISTICS MAUI COUNTY

Labor Force Status	2013	2014	2015	2016
<b>Persons 16 Years and Over</b>	<b>128,330</b>	<b>130,748</b>	<b>131,298</b>	<b>132,011</b>
In labor force	89,373	87,672	87,452	88,807
Civilian labor force	89,243	87,233	86,939	88,807
Employed	82,975	81,212	83,147	85,569
Unemployed	6,268	6,021	3,792	3,238
Armed forces	130	439	513	0
Not in labor force	38,957	43,076	43,846	43,204
<b>Males 16 Years and Over</b>	<b>64,430</b>	<b>65,053</b>	<b>65,915</b>	<b>64,619</b>
In labor force	46,438	46,666	46,085	45,842
Civilian labor force	46,415	46,227	45,572	45,842
Employed	42,759	42,469	44,008	43,792
Unemployed	3,656	3,758	1,564	2,050
Armed forces	23	439	513	0
Not in labor force	17,992	18,387	19,830	18,777
<b>Females 16 Years and Over</b>	<b>63,900</b>	<b>65,695</b>	<b>65,383</b>	<b>67,392</b>
In labor force	42,935	41,006	41,367	42,965
Civilian labor force	42,828	41,006	41,367	42,965
Employed	40,216	38,743	39,139	41,777
Unemployed	2,612	2,263	2,228	1,188
Armed forces	107	0	0	0
Not in labor force	20,965	24,689	24,016	24,427

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

9.3.3

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

2016	Total	Armed Forces	Not in Labor Force	Civilian Labor Force			
				Total	Employed	Unemployed	% Unemployed
<b>Maui Island</b>							
Haiku-Pauwela CDP	6,253	0	2,159	4,094	3,881	213	3.4%
Hāli'imaile CDP	863	2	281	580	533	47	5.4%
Hāna CDP	904	0	329	575	530	45	5.0%
Kā'anapali CDP	967	0	501	466	453	13	1.3%
Kahului CDP	23,819	0	8,178	15,641	14,494	1,147	4.8%
Kapalua CDP	267	0	145	122	114	8	3.0%
Kēōkea CDP	1,500	0	529	971	934	37	2.5%
Kīhei CDP	17,434	62	4,662	12,710	11,822	888	5.1%
Kula CDP	6,167	0	2,233	3,934	3,799	135	2.2%
Lahaina CDP	10,042	62	2,319	7,661	7,294	367	3.7%
Launiupoko CDP	415	0	106	309	300	9	2.2%
Ma'alaea CDP	327	0	192	135	133	2	0.6%
Mahinahina CDP	722	2	164	556	555	1	0.1%
Makawao CDP	4,974	6	1,521	3,447	3,241	206	4.1%
Mākena CDP	104	0	35	69	55	14	13.5%
Nāpili-Honokōwai CDP	5,670	29	1,500	4,141	4,031	110	1.9%
Olinda CDP	983	5	380	598	470	128	13.0%
Olowalu CDP	98	0	26	72	72	0	0.0%
Pā'ia CDP	2,039	6	630	1,403	1,366	37	1.8%
Pukalani CDP	6,625	0	1,893	4,732	4,515	217	3.3%
Waihe'e-Waiehū CDP	7,292	0	1,882	5,410	5,050	360	4.9%
Waikapū CDP	2,361	9	546	1,806	1,742	64	2.7%
Wailea CDP	5,119	6	2,188	2,925	2,782	143	2.8%
Wailuku CDP	12,704	45	4,382	8,277	7,630	647	5.1%
<b>Moloka'i</b>							
Kaunakakai CDP	2,834	0	1,111	1,723	1,656	67	2.4%
Kualapu'u CDP	1,530	3	613	914	818	96	6.3%
Maunaloa CDP	276	0	147	129	106	23	8.3%
Ualapu'e CDP	346	0	131	215	192	23	6.6%
<b>Lāna'i</b>							
Lāna'i City CDP	2,705	0	922	1,783	1,684	99	3.7%
Manele CDP	9	0	9	0	0	0	0.0%

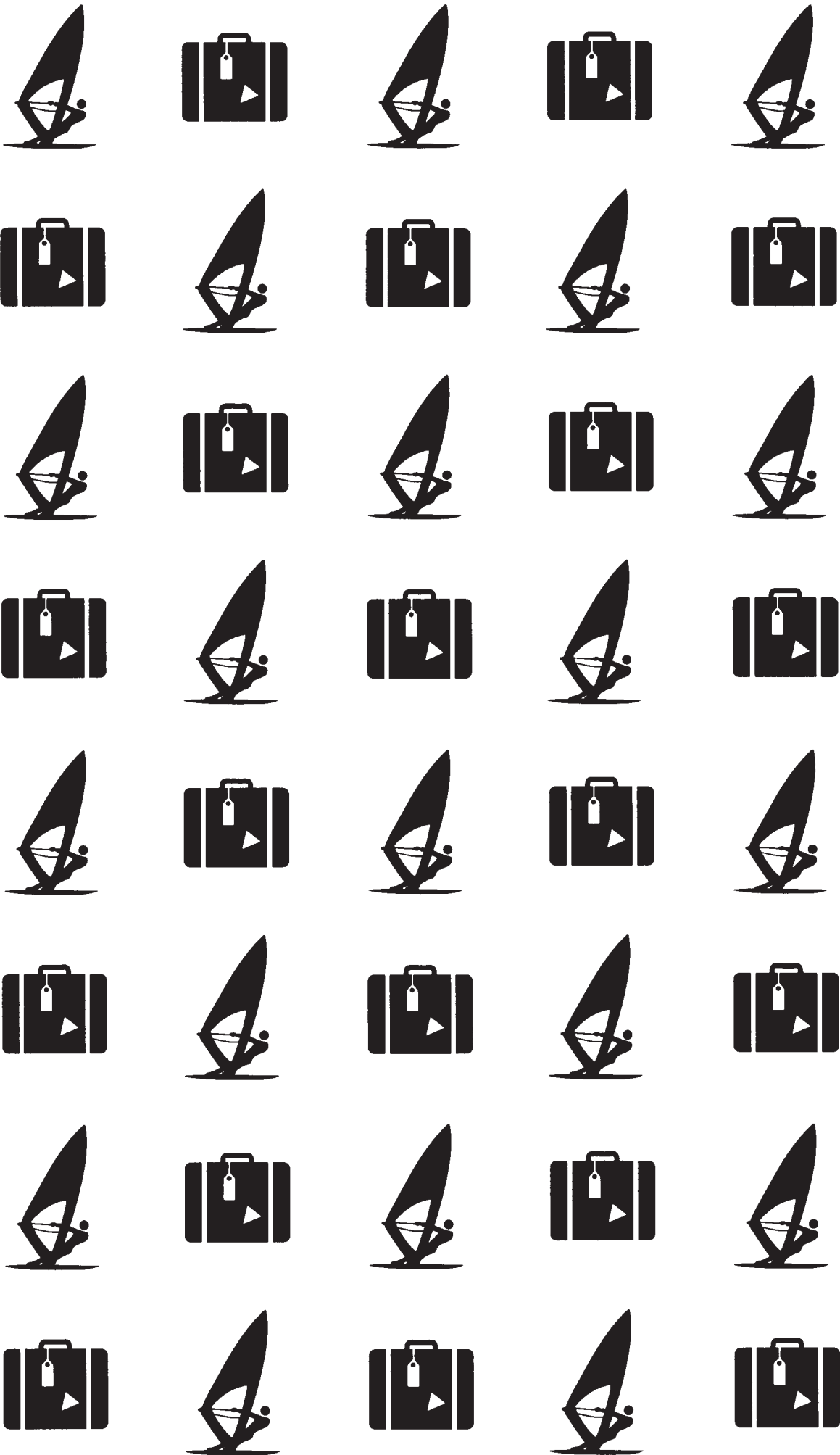
SOURCE: U.S. CENSUS BUREAU, AMERICAN COMMUNITY SURVEY 2012-2016 5-YEAR ESTIMATES.

9.3.4

**WORKERS' COMPENSATION STATISTICS  
MAUI COUNTY**

	2012	2013	2014	2015	2016
<b>Maui</b>					
Reported	2,885	2,762	2,817	2,816	2,732
Processed	5,049	5,332	5,239	5,679	5,353
With cost	3,544	3,907	3,705	4,080	4,005
Cos	\$27,064,371	\$30,305,143	\$30,983,819	\$35,527,485	\$38,148,063
Days lost	92,235	119,099	112,440	125,178	121,896
<b>Moloka'i</b>					
Reported	73	59	62	65	58
Processed	147	137	137	140	125
With cost	94	102	85	83	85
Cos	\$577,228	\$941,518	\$1,049,555	\$844,884	\$745,304
Days lost	2,509	4,875	4,416	2,601	2,549
<b>Lāna'i</b>					
Reported	101	98	130	98	99
Processed	158	158	207	195	182
With cost	97	114	153	153	144
Cos	\$627,604	\$670,754	\$2,755,433	\$2,284,220	\$1,648,290
Days lost	2,323	2,925	4,908	4,869	4,711
<b>Maui County</b>					
Reported	3,059	2,919	3,009	2,979	2,889
Processed	5,354	5,627	5,583	6,014	5,660
With cost	3,735	4,123	3,943	4,316	4,234
Cos	28,269,203	31,917,415	34,788,807	\$38,656,589	\$40,451,657
Days lost	97,067	126,899	121,764	132,648	129,156
Reported fatality	4	4	4	3	2

SOURCE: HAWAII'S 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*

2016	Maui	Moloka'i	Lāna'i	Maui County
<b>All Visitors</b>				
January	215,747	5,582	4,334	218,882
February	205,407	5,028	4,150	208,809
March	232,375	6,106	5,333	237,679
April	211,663	4,398	6,086	215,460
May	212,135	4,693	5,827	215,814
June	238,648	4,831	5,127	242,029
July	254,728	4,833	5,054	257,963
August	226,190	4,937	6,147	229,595
September	194,517	4,506	5,104	197,719
October	206,507	4,237	4,671	209,872
November	196,946	4,032	5,232	200,238
December	239,374	5,748	5,959	244,029
<b>Total</b>	<b>2,634,237</b>	<b>58,932</b>	<b>63,024</b>	<b>2,678,089</b>
<b>Domestic Visitors</b>				
January	161,390	4,272	3,347	164,148
February	156,364	3,833	3,470	159,332
March	188,472	3,733	4,162	191,985
April	172,954	3,444	4,279	175,883
May	181,859	4,100	4,634	185,012
June	208,751	3,761	4,484	211,594
July	219,884	4,067	4,332	222,709
August	190,411	3,500	4,412	193,329
September	162,313	2,847	3,805	164,678
October	172,866	3,502	3,812	175,803
November	162,366	3,246	3,819	165,229
December	194,285	3,899	4,743	198,158
<b>Total</b>	<b>2,171,914</b>	<b>44,203</b>	<b>49,299</b>	<b>2,207,858</b>
<b>International Visitors</b>				
January	54,358	1,310	987	54,734
February	49,043	1,195	681	49,477
March	43,903	2,374	1,171	45,694
April	38,709	954	1,807	39,578
May	30,276	592	1,193	30,802
June	29,897	1,070	643	30,436
July	34,844	767	722	35,254
August	35,779	1,437	1,735	36,267
September	32,204	1,659	1,299	33,041
October	33,641	735	859	34,069
November	34,580	786	1,413	35,009
December	45,089	1,849	1,216	45,871
<b>Total</b>	<b>462,323</b>	<b>14,728</b>	<b>13,725</b>	<b>470,232</b>

SOURCE: HAWAII TOURISM AUTHORITY.

## 10.1.2

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

*Arrivals by air*

	2012	2013	2014	2015	2016
<b>Length of Stay (days)</b>					
<b>All Visitors</b>					
Maui	8.08	8.17	8.25	8.19	8.14
Moloka'i	4.85	4.79	4.64	4.42	4.84
Lāna'i	3.62	3.49	3.32	2.79	3.51
<b>Domestic</b>					
Maui	8.22	8.49	8.55	8.42	8.32
Moloka'i	5.46	5.46	5.29	5.12	5.52
Lāna'i	3.94	3.95	3.65	3.18	3.96
<b>International</b>					
Maui	7.42	6.78	6.90	7.12	7.31
Moloka'i	2.67	2.54	2.16	2.06	2.79
Lāna'i	2.23	1.79	1.95	1.56	1.91
<b>Average Daily Census</b>					
<b>All Visitors</b>					
Maui	50,976	52,798	54,446	56,981	58,599
Moloka'i	707	725	758	784	779
Lāna'i	718	710	618	446	604
<b>Domestic</b>					
Maui	42,979	44,675	46,138	48,089	49,365
Moloka'i	623	638	685	699	667
Lāna'i	634	632	547	386	533
<b>International</b>					
Maui	7,997	8,124	8,308	8,893	9,234
Moloka'i	84	87	73	84	112
Lāna'i	84	78	71	60	71

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>
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	55,988	30,172	23,617	96,440	206,217
2015	58,211	31,408	24,533	99,782	213,934
2016	59,982	31,845	24,842	101,006	217,675

SOURCE: HAWAII TOURISM AUTHORITY.

10.1.4

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

*Arrivals by air*

<b>2016</b>	<b>Maui</b>	<b>Moloka'i</b>	<b>Lāna'i</b>	<b>County</b>	<b>State</b>
Anchorage	14,445	682	270	15,009	52,675
Atlanta	16,854	380	567	17,234	49,047
Austin	12,119	237	282	12,347	30,446
Bakersfield	5,053	76	85	5,113	14,461
Baltimore	7,778	222	197	7,921	23,130
Bellingham	6,582	139	75	6,675	15,361
Boise City	8,626	190	172	8,746	24,462
Boston	18,910	319	479	19,134	46,749
Bremerton	5,490	122	86	5,563	18,101
Charlotte	6,039	121	210	6,147	15,381
Chicago	51,015	799	1,288	51,715	114,303
Cincinnati	6,827	137	150	6,921	16,667
Cleveland	6,065	133	163	6,141	13,738
Colorado Springs	4,842	81	124	4,904	16,653
Dallas	39,804	624	1,019	40,355	97,797
Denver	33,729	646	826	34,308	88,759
Detroit	14,696	258	291	14,875	32,299
Eugene	6,485	131	95	6,593	16,769
Fresno	8,755	131	184	8,860	22,373
Houston	23,809	434	625	24,176	68,102
Indianapolis	6,345	140	151	6,464	15,702
Kansas City	9,245	152	316	9,399	23,834
Las Vegas	19,121	519	607	19,616	69,798
Los Angeles	214,261	3,231	4,565	217,750	616,949
Miami	11,507	249	389	11,697	29,236
Minneapolis	25,005	497	511	25,374	61,794
Modesto	6,919	100	63	6,975	17,073
New York	65,562	1,211	2,330	66,842	163,886
Ogden	7,872	175	210	8,037	25,587
Olympia	6,101	141	122	6,230	16,729

CONTINUES ON THE NEXT PAGE

**10.1.4**  
**CONTINUED**

<b>2016</b>	<b>Maui</b>	<b>Moloka'i</b>	<b>Lāna'i</b>	<b>County</b>	<b>State</b>
Orlando	5,891	128	193	5,996	16,974
Oxnard	17,781	280	382	18,021	47,308
Philadelphia	17,196	409	394	17,477	42,377
Phoenix	49,109	832	1,024	49,792	134,075
Pittsburgh	6,068	107	157	6,150	14,690
Portland	63,676	1,328	1,029	64,774	167,192
Provo	7,276	124	164	7,403	26,587
Reno	8,574	145	122	8,700	21,502
Riverside-San Bernardino	41,567	652	888	42,138	122,358
Sacramento	57,086	1,034	981	57,897	137,091
Salem	6,303	148	89	6,420	16,669
Salinas	5,880	110	114	6,007	16,360
Salt Lake City	16,910	222	284	17,085	52,563
San Antonio	6,385	215	243	6,531	22,699
San Diego	60,683	1,147	1,343	61,763	193,664
San Francisco	181,618	2,502	3,196	184,119	478,987
San Jose	76,119	906	1,164	76,862	191,957
San Luis Obispo	5,864	150	131	6,003	15,661
Santa Cruz	9,820	172	170	9,947	25,137
Santa Maria	6,982	103	143	7,104	20,521
Santa Rosa	14,655	276	252	14,891	36,215
Seattle	129,957	2,203	1,985	131,904	334,959
Spokane	9,842	202	204	10,009	23,764
St. Louis	10,762	264	316	10,986	25,436
Stockton	10,212	156	169	10,353	26,824
Tampa	6,386	181	200	6,479	18,163
Tucson	7,560	190	198	7,703	22,319
Vallejo	9,381	144	169	9,516	26,521
Virginia Beach	3,576	113	116	3,647	16,699
Washington D.C.	25,160	701	763	25,724	85,859

CBSA: Core Based Statistics Area

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

10.1.5

**VISITOR ARRIVALS  
MAUI COUNTY**

<b>Year</b>	<b>International</b>	<b>Domestic</b>	<b>By Ship<sup>1</sup></b>	<b>Total</b>
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
2016	470,232	2,207,858	216,250	2,678,089

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

NA: Not available

SOURCE: HAWAII TOURISM AUTHORITY.

10.1.6

**NATION OF RESIDENCE OF VISITORS  
TO MAUI COUNTY**

*Arrivals by air*

<b>2016</b>	<b>Maui</b>	<b>Molokaʻi</b>	<b>Lānaʻi</b>
<b>Total</b>	<b>2,634,237</b>	<b>58,932</b>	<b>63,024</b>
<b>United States</b>	<b>2,014,176</b>	<b>40,003</b>	<b>46,285</b>
<b>Canada</b>	<b>242,371</b>	<b>4,441</b>	<b>4,029</b>
<b>Asia</b>	<b>137,733</b>	<b>3,826</b>	<b>2,608</b>
China	28,899	1,277	819
Hong Kong	1,009	36	53
Japan	54,298	1,410	1,101
Korea	48,961	827	594
Singapore	1,137	13	32
Taiwan	3,430	263	9
<b>Oceania</b>	<b>73,197</b>	<b>4,913</b>	<b>5,357</b>
Australia	61,830	4,047	4,432
New Zealand	11,366	866	924
<b>Europe</b>	<b>64,502</b>	<b>1,993</b>	<b>1,584</b>
United Kingdom	18,905	413	696
France	7,038	190	138
Germany	22,864	800	381
Italy	5,783	130	109
Switzerland	9,912	459	260
<b>Latin America</b>	<b>10,585</b>	<b>307</b>	<b>247</b>
Argentina	3,262	75	71
Brazil	3,408	138	70
Mexico	3,915	94	106
<b>Other</b>	<b>91,673</b>	<b>3,448</b>	<b>2,914</b>

SOURCE: HAWAIIʻI TOURISM AUTHORITY.

## 10.1.7

## TOTAL AIR SEATS OPERATED TO KAHULUI AIRPORT

	2013	2014	2015	2016
<b>TOTAL SEATS</b>	<b>1,843,928</b>	<b>1,982,552</b>	<b>2,271,354</b>	<b>2,334,832</b>
Scheduled	1,843,928	1,975,832	2,265,402	2,332,192
Charter	0	6,720	5,952	2,640
<b>DOMESTIC SEATS</b>	<b>1,671,934</b>	<b>1,804,396</b>	<b>2,069,804</b>	<b>2,124,832</b>
Scheduled Seats	1,671,934	1,797,676	2,063,852	2,122,192
Charter Seats	0	6,720	5,952	2,640
<b>US West</b>	<b>1,592,478</b>	<b>1,680,424</b>	<b>1,904,542</b>	<b>1,989,765</b>
Anchorage	10,519	10,512	10,921	11,982
Bellingham	36,044	19,797	14,507	13,906
Denver	29,040	37,973	30,797	36,335
Los Angeles	528,679	583,813	590,630	600,975
Oakland	150,400	150,298	154,625	153,147
Phoenix	100,103	107,540	114,512	110,700
Portland	92,203	96,959	101,875	102,175
Sacramento	57,305	58,757	59,495	59,458
San Diego	69,394	71,170	67,808	72,001
San Francisco	178,398	180,200	333,855	403,513
San Jose	149,100	150,046	154,030	147,609
Seattle	191,293	213,359	271,487	277,964
<b>US East</b>	<b>79,456</b>	<b>117,252</b>	<b>159,310</b>	<b>132,427</b>
Chicago	2,720	14,792	40,936	21,672
Dallas	76,736	102,460	118,374	110,755
<b>INTERNATIONAL SEATS</b>	<b>171,994</b>	<b>178,156</b>	<b>201,550</b>	<b>210,000</b>
<b>Canada</b>	<b>171,994</b>	<b>178,156</b>	<b>201,550</b>	<b>210,000</b>
Calgary	33,882	36,187	35,848	39,456
Edmonton	11,592	12,213	12,582	14,574
Vancouver	126,250	129,756	*153,120	155,970

\* Revised data.

SOURCE: HAWAII TOURISM AUTHORITY.

10.1.8

**HOTEL OCCUPANCY AND ROOM RATES  
MAUI ISLAND**

<b>Month, 2016</b>	<b>Occupancy</b>	<b>Average Daily Rate (\$)</b>	<b>Revenue per Available Room (\$)</b>
January	76.8%	333.63	256.15
February	79.9%	360.62	288.07
March	80.1%	364.54	291.98
April	77.2%	316.30	244.09
May	72.3%	282.62	204.38
June	75.9%	327.57	248.74
July	76.3%	354.89	270.90
August	74.9%	334.58	250.77
September	72.8%	272.76	198.51
October	74.2%	278.46	206.73
November	73.5%	299.00	219.70
December	75.3%	455.49	343.02
<b>Total</b>	<b>75.8%</b>	<b>\$332.52</b>	<b>\$251.90</b>

SOURCE: HAWAII TOURISM AUTHORITY.

## 10.2.1

## CLASS OF VISITOR ACCOMMODATION UNITS BY ISLAND

	2013	2014	2015	2016	2017
<b>Maui</b>					
Budget (up to \$100)	3.1%	3.1%	1.9%	1.6%	1.5%
Standard (\$101 to \$250)	24.3%	22.3%	19.2%	18.7%	18.9%
Deluxe (\$251 to \$500)	26.4%	27.3%	25.2%	23.4%	25.9%
Luxury (over \$500 per night)	46.2%	47.3%	53.8%	56.3%	53.7%
<b>Moloka'i</b>					
Budget (up to \$100)	6.3%	2.9%	6.2%	6.7%	7.2%
Standard (\$101 to \$250)	89.4%	92.8%	85.6%	88.9%	88.0%
Deluxe (\$251 to \$500)	3.5%	3.6%	8.2%	4.4%	3.6%
Luxury (over \$500 per night)	0.7%	0.7%	0.0%	0.0%	1.2%
<b>Lāna'i</b>					
Budget (up to \$100)	0.0%	0.0%	0.0%	0.0%	0.0%
Standard (\$101 to \$250)	4.2%	4.2%	4.5%	4.5%	2.6%
Deluxe (\$251 to \$500)	43.3%	43.3%	26.3%	26.3%	3.9%
Luxury (over \$500 per night)	52.4%	52.4%	69.2%	69.2%	93.4%
<b>Hawai'i Island</b>					
Budget (up to \$100)	8.5%	8.3%	9.9%	8.9%	9.6%
Standard (\$101 to \$250)	29.8%	28.1%	32.9%	27.0%	19.7%
Deluxe (\$251 to \$500)	42.6%	44.0%	36.5%	43.5%	41.5%
Luxury (over \$500 per night)	19.1%	19.6%	20.6%	20.6%	29.2%
<b>Kaua'i</b>					
Budget (up to \$100)	6.3%	7.2%	2.7%	2.1%	4.2%
Standard (\$101 to \$250)	19.6%	19.6%	33.7%	31.8%	35.8%
Deluxe (\$251 to \$500)	47.8%	44.7%	26.6%	29.7%	20.5%
Luxury (over \$500 per night)	26.3%	28.6%	37.0%	36.4%	39.5%
<b>O'ahu</b>					
Budget (up to \$100)	6.6%	6.6%	3.1%	2.8%	2.3%
Standard (\$101 to \$250)	26.3%	24.0%	32.2%	28.6%	25.4%
Deluxe (\$251 to \$500)	43.2%	46.6%	36.1%	39.2%	42.9%
Luxury (over \$500 per night)	23.9%	22.8%	28.6%	29.4%	29.4%
<b>Statewide</b>					
Budget (up to \$100)	6.0%	6.1%	3.8%	3.5%	3.4%
Standard (\$101 to \$250)	25.7%	23.8%	29.4%	26.4%	25.1%
Deluxe (\$251 to \$500)	39.8%	41.7%	32.6%	35.4%	35.8%
Luxury (over \$500 per night)	28.5%	28.4%	34.1%	34.6%	35.7%

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**

	2014		2015		2016		2017	
	Prop	Units	Prop	Units	Prop	Units	Prop	Units
<b>Maui</b>								
Apartment/Hotel	2	25	2	25	0	15	0	15
Bed & Breakfast	85	263	36	189	46	187	42	168
Condo Hotel	41	4,123	58	4,534	52	4,317	52	4,402
Hostel	3	48	3	53	3	48	3	48
Hotel	32	7,482	31	8,142	35	8,245	34	7,742
Individual Unit	147	3,385	602	4,773	376	5,469	323	5,472
TimeShare	17	2,845	25	3,227	22	3,160	22	3,379
Other	4	39	4	29	2	24	2	24
<b>Total</b>	<b>331</b>	<b>18,210</b>	<b>761</b>	<b>20,972</b>	<b>536</b>	<b>21,465</b>	<b>478</b>	<b>21,250</b>
<b>Moloka'i</b>								
Apartment/Hotel	1	20	0	0	0	0	0	0
Bed & Breakfast	2	2	1	1	1	1	1	1
Condo Hotel	2	73	2	73	2	73	2	71
Hostel	0	0	0	0	0	0	0	0
Hotel	0	0	0	0	0	0	0	0
Individual Unit	22	36	18	108	14	101	19	165
TimeShare	0	0	1	7	1	7	1	7
Other	0	0	0	0	0	0	0	0
<b>Total</b>	<b>27</b>	<b>131</b>	<b>22</b>	<b>189</b>	<b>18</b>	<b>182</b>	<b>23</b>	<b>244</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	2	247	2	247	2	224
Individual Unit	1	4	1	5	2	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>3</b>	<b>252</b>	<b>4</b>	<b>252</b>	<b>4</b>	<b>229</b>

Prop: Number of properties

SOURCE: HAWAII'Ī TOURISM AUTHORITY, VISITOR PLANT INVENTORY.

10.2.3

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

Area/Type, 2017	Properties	Units
<b>Hāna</b>		
Bed & Breakfast	2	5
Condo Hotel	1	17
Hotel	1	71
Individual Unit	6	22
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	14	48
Hotel	3	38
Individual Unit	3	14
<b>West Maui</b>		
Bed & Breakfast	7	43
Condo Hotel	28	2,713
Hotel	12	3,550
Individual Unit	109	2,329
Timeb are	14	2,828
Other	1	20
<b>Ma'alaea</b>		
Bed & Breakfast	1	4
Individual Unit	5	244
<b>Wailea-Kīhei</b>		
Bed & Breakfast	13	41
Condo Hotel	23	1,672
Hotel	13	3,589
Individual Unit	196	2,847
Timeb are	8	551

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
2017	21,723

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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*

2016	Maui	Moloka'i	Lāna'i	Hawai'i	Kaua'i	O'ahu
<b>Total Spending</b>	<b>\$210.91</b>	<b>\$115.25</b>	<b>\$414.61</b>	<b>\$179.65</b>	<b>\$183.82</b>	<b>\$198.56</b>
<b>Lodging</b>	<b>103.69</b>	<b>45.00</b>	<b>255.56</b>	<b>74.13</b>	<b>80.66</b>	<b>88.25</b>
<b>Total Food and Beverage</b>	<b>42.72</b>	<b>21.05</b>	<b>90.74</b>	<b>36.32</b>	<b>38.94</b>	<b>38.21</b>
Restaurants	27.44	7.89	80.31	24.18	24.33	25.84
Dinner shows and cruises	4.81	0.37	0.73	2.06	4.13	4.18
Groceries and snacks	10.47	12.80	9.71	10.07	10.48	8.19
<b>Entertainment &amp; Recreation</b>	<b>17.42</b>	<b>10.57</b>	<b>23.09</b>	<b>18.16</b>	<b>21.87</b>	<b>17.05</b>
<b>Total Transportation</b>	<b>22.37</b>	<b>24.91</b>	<b>23.60</b>	<b>30.53</b>	<b>22.12</b>	<b>14.50</b>
Interisland airfare	3.51	7.80	11.35	9.87	4.60	1.90
Ground transportation	0.64	0.43	3.62	0.68	0.29	1.92
Rental vehicles	17.09	15.47	8.30	17.99	16.37	9.78
Gasoline, parking, etc.	1.13	1.21	0.33	1.99	0.86	0.89
<b>Total Shopping</b>	<b>17.86</b>	<b>7.24</b>	<b>12.17</b>	<b>15.24</b>	<b>14.95</b>	<b>32.12</b>
Fashion and clothing	7.33	1.93	9.68	5.63	5.77	12.04
Jewelry and watches	2.91	2.07	0.55	2.15	2.71	3.80
Cosmetics, perfume	0.50	0.01	0.05	0.26	0.25	1.54
Leather goods	0.90	0.01	0.41	0.28	0.16	4.11
Hawai'i food products	2.04	1.58	0.39	3.55	2.10	3.25
Souvenirs	4.18	1.63	1.10	3.37	3.96	7.38
<b>All Other Expenses</b>	<b>6.85</b>	<b>6.48</b>	<b>9.46</b>	<b>5.27</b>	<b>5.29</b>	<b>8.43</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>2016</b>	<b>Maui</b>	<b>Hawai'i</b>	<b>Kaua'i</b>	<b>O'ahu</b>	<b>State</b>
<b>Total Spending</b>	<b>\$71.26</b>	<b>\$67.33</b>	<b>\$60.82</b>	<b>\$118.11</b>	<b>\$217.63</b>
<b>Lodging</b>	<b>8.92</b>	<b>7.48</b>	<b>8.62</b>	<b>36.88</b>	<b>17.90</b>
<b>Total Food and Beverage</b>	<b>8.97</b>	<b>6.49</b>	<b>5.65</b>	<b>19.91</b>	<b>11.49</b>
Restaurants	6.37	4.65	3.88	14.70	8.32
Dinner buffets	0.83	0.27	0.82	2.16	1.15
Groceries and snacks	1.76	1.58	0.96	3.04	2.02
<b>Entertainment and Recreation</b>	<b>1.95</b>	<b>2.36</b>	<b>1.91</b>	<b>4.43</b>	<b>2.89</b>
<b>Shore Tour</b>	<b>21.50</b>	<b>26.94</b>	<b>26.76</b>	<b>17.17</b>	<b>22.37</b>
<b>Total Transportation</b>	<b>7.06</b>	<b>5.88</b>	<b>5.10</b>	<b>11.29</b>	<b>7.86</b>
Interisland airfare	1.43	1.34	1.30	1.56	1.45
Ground transportation	1.55	1.95	0.92	5.00	2.64
Rental car, moped	3.66	2.34	2.59	4.08	3.33
Other transportation	0.41	0.26	0.29	0.65	0.43
<b>Total Shopping</b>	<b>19.91</b>	<b>15.20</b>	<b>10.58</b>	<b>25.02</b>	<b>18.92</b>
Fashion and clothing	8.17	4.42	3.78	10.59	7.34
Jewelry and watches	4.81	2.23	2.14	4.98	3.78
Cosmetics, perfume	0.71	0.15	0.18	1.20	0.65
Leather goods	0.69	1.53	0.12	0.69	0.79
Hawai'i food products	1.40	2.54	1.29	2.60	2.07
Souvenirs	4.14	4.34	3.07	4.96	4.29
<b>All Other Spending Outside Ship</b>	<b>2.95</b>	<b>2.97</b>	<b>2.19</b>	<b>3.42</b>	<b>2.98</b>

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

### 10.3.3

## SUMMARY VISITOR CHARACTERISTICS MAUI COUNTY

*Arrivals by air*

2016	Total	Domestic	International
<b>Islands Visited</b>			
O'ahu	751,234	496,405	254,829
Maui County	2,678,089	2,207,858	470,232
Maui	2,634,237	2,171,914	462,323
Maui Only	1,683,204	1,491,887	191,317
Moloka'i	58,932	44,203	14,728
Moloka'i Only	7,696	6,909	787
Lāna'i	63,024	49,299	13,725
Lāna'i Only	9,910	9,242	668
Kaua'i	303,324	247,146	56,178
Hawai'i Island	356,553	266,621	89,932
Kona	301,097	225,992	75,105
Hilo	203,090	145,639	57,451
<b>Visit Status</b>			
First-Time (%)	32.3	29.6	45.1
Repeat (%)	67.7	70.4	54.9
Average Number of Trips	5.22	5.64	3.25
<b>Party Size</b>			
Average Party Size	2.23	2.20	2.38
<b>Accommodations</b>			
Hotel	1,490,172	1,198,836	291,336
Hotel Only	1,160,808	948,114	212,694
Condo	764,769	612,424	152,346
Condo Only	590,991	486,519	104,471
Timeshare	296,866	265,900	30,967
Timeshare Only	221,970	201,359	20,611
Rental House	184,413	152,953	31,460
Hostel	25,312	17,302	8,010
Camp Site, Beach	19,567	14,105	5,462
Bed & Breakfast	37,799	29,481	8,319
Cruise Ship	99,976	81,631	18,346
Friends or Relatives	166,672	146,437	20,236

SOURCE: HAWAII TOURISM AUTHORITY, ANNUAL VISITOR RESEARCH REPORT.

### 10.3.4

## SUMMARY VISITOR CHARACTERISTICS BY ISLAND, MAUI COUNTY

*Arrivals by air*

2016	Maui	Moloka'i	Lāna'i
<b>Islands Visited</b>			
O'ahu	731,403	33,278	30,019
Maui County	2,634,237	58,932	63,024
Maui	2,634,237	36,566	40,789
Moloka'i	36,566	58,932	13,834
Lāna'i	40,789	13,834	63,024
Kaua'i	297,266	17,649	19,163
Hawai'i Island	348,305	21,594	21,937
Kona	294,192	19,194	19,846
Hilo	199,252	16,623	16,367
Island only	1,683,204	7,696	9,910
<b>Visit Status</b>			
First-Time (%)	32.4	34.1	37.5
Repeat (%)	67.6	65.9	62.5
Average Number of Trips	5.20	5.79	5.13
<b>Party Size</b>			
Average Party Size	2.23	2.03	2.05
<b>Accommodations</b>			
Hotel	1,466,165	30,700	40,611
Hotel Only	1,142,388	18,104	29,356
Condo	756,065	14,439	10,521
Condo Only	585,478	8,548	7,231
Timeshare	293,800	5,161	5,903
Timeshare Only	220,036	3,080	4,228
Rental House	178,180	8,268	4,445
Hostel	25,016	1,306	1,027
Camp Site, Beach	19,130	1,169	935
Bed & Breakfast	37,089	1,908	1,291
Cruise Ship	99,637	4,809	6,338
Friends or Relatives	159,458	8,879	6,034

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>2016</b>									
Maui	216,250	58,076	84,281	22,350	27,284	7,889	16,369	3,596	219,846
Moloka'i	3,523	1,486	892	211	299	125	509	0	3,523
Lāna'i	5,052	2,063	1,471	459	489	126	444	0	5,052
<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

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	
	2017	2018
<b>Kahului Harbor</b>		
January	1	7
February	4	5
March	4	7
April	7	6
May	4	4
June	4	4
July	5	5
August	4	4
September	5	7
October	7	6
November	4	5
December	7	6
<b>Total</b>	<b>56</b>	<b>66</b>
<b>Lahaina Small Boat Harbor</b>		
January	6	5
February	6	2
March	4	5
April	6	6
May	8	5
June	1	1
July	1	1
August	1	0
September	2	2
October	5	6
November	5	6
December	5	5
<b>Total</b>	<b>50</b>	<b>44</b>

Note: Schedules are tentative.

SOURCE: HAWAII'S STATE DEPARTMENT OF TRANSPORTATION, HARBORS DIVISION, MAUI PASSENGER AND CRUISE VESSELS SCHEDULE;  
HAWAII'S 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

2016	US West	US East	Japan	Canada
<b>All Sightseeing</b>	<b>91.0%</b>	<b>93.6%</b>	<b>54.5%</b>	<b>93.7%</b>
Self-guided / drive around island	82.8%	78.2%	30.4%	82.1%
Helicopter / airplane tour	4.0%	7.0%	1.4%	4.9%
Boat / submarine tour / whale watching	31.4%	41.8%	5.5%	30.4%
Visit communities	31.8%	31.6%	10.6%	34.4%
Limo / van tour / bus tour	6.3%	19.0%	17.7%	9.7%
Scenic views / natural landmarks	66.5%	78.3%	13.3%	74.9%
Movie / TV film location	1.1%	2.0%	1.1%	1.5%
<b>All Recreation</b>	<b>91.2%</b>	<b>89.7%</b>	<b>39.7%</b>	<b>93.7%</b>
Beach / sunbathing	84.0%	78.6%	28.1%	85.4%
Surfing / bodyboarding / paddleboarding	26.3%	17.6%	2.0%	28.9%
Canoeing / kayaking	6.3%	6.1%	0.3%	5.6%
Swimming in the ocean / snorkeling	72.8%	63.1%	10.4%	75.5%
Windsurfing / Kitesurfing	1.9%	1.6%	0.6%	2.3%
Jet skiing / parasailing / scuba diving	6.8%	5.9%	0.3%	4.3%
Fishing	3.0%	3.6%	0.3%	4.3%
Golf	8.9%	9.1%	5.4%	9.8%
Running / jogging / fitness walking	37.8%	35.6%	6.7%	43.7%
Spa	10.7%	11.5%	1.1%	8.6%
Backpacking / hiking / camping	20.9%	23.3%	2.8%	21.4%
Agritourism	8.9%	10.6%	2.3%	7.8%
Sports event / tournament	2.4%	3.0%	0.3%	1.9%
State parks / botanical gardens	42.2%	54.3%	9.2%	47.2%
<b>All Entertainment</b>	<b>92.4%</b>	<b>89.0%</b>	<b>39.7%</b>	<b>92.3%</b>
Lunch / sunset / dinner / evening cruise	29.7%	33.8%	18.7%	28.3%
Live music / stage show	32.7%	37.4%	7.8%	30.2%
Nightclub / dancing / bar / karaoke	9.7%	8.3%	0.0%	7.1%
Fine dining	56.3%	59.2%	10.1%	49.9%
Family restaurant / diner	71.8%	58.6%	11.4%	66.0%
Fast food	31.2%	30.3%	16.1%	37.9%
Café / coffee house	45.5%	37.8%	12.6%	46.4%
Ethnic dining	29.3%	28.8%	2.9%	24.7%
Prepared own meals	59.1%	35.9%	8.8%	67.7%

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10.4.1

CONTINUED

2016	US West	US East	Japan	Canada
<b>All Shopping</b>	<b>90.9%</b>	<b>89.0%</b>	<b>42.3%</b>	<b>91.1%</b>
Mall / department stores	48.7%	41.0%	21.1%	54.8%
Designer boutiques	31.1%	29.5%	6.3%	30.4%
Hotel stores	32.8%	38.6%	11.9%	27.5%
Swap meet / flea market	19.6%	12.0%	3.8%	21.1%
Discount / outlet stores	26.0%	23.1%	11.5%	31.0%
Supermarkets	69.9%	56.7%	23.8%	70.3%
Farmers market	31.9%	21.3%	3.6%	32.5%
Convenience stores	47.6%	45.9%	13.9%	51.6%
Duty free stores	3.6%	2.1%	3.0%	6.0%
Local shops / artisans	73.3%	70.6%	12.3%	70.9%
<b>All Culture</b>	<b>63.7%</b>	<b>66.6%</b>	<b>15.2%</b>	<b>59.1%</b>
Historic military site	3.0%	3.6%	2.1%	2.9%
Other historic site	24.9%	29.8%	4.3%	26.5%
Museum / art gallery	27.2%	21.4%	3.5%	21.7%
Luau	26.7%	35.7%	2.9%	24.2%
Polynesian show / hula	13.1%	15.4%	4.1%	10.4%
Lessons, hula / canoeing	2.9%	3.6%	1.2%	3.2%
Ukulele lessons	1.6%	1.2%	0.5%	1.1%
Play / concert / theatre	7.1%	4.4%	0.3%	6.6%
Art / craft fair	17.4%	12.5%	2.0%	12.4%
Festivals	2.1%	1.7%	0.5%	2.1%
<b>All Transportation</b>	<b>90.0%</b>	<b>90.2%</b>	<b>49.5%</b>	<b>92.4%</b>
Airport shuttle	15.5%	17.4%	6.4%	17.8%
Trolley	1.2%	2.5%	6.1%	1.9%
Public bus	2.0%	2.9%	6.7%	5.6%
Tour bus / tour van	7.2%	19.9%	20.6%	10.8%
Taxi / limousine	5.5%	8.7%	4.9%	8.1%
Rental car	84.5%	77.1%	17.2%	80.7%

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>						
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%
2016	88.8%	81.0%	74.3%	82.3%	92.8%	78.5%
<b>Japan Visitors</b>						
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%
2016	75.1%	66.0%	60.3%	74.6%	70.4%	76.5%

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

## 10.4.3

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

2016	US Total	US West	US East	Japan	Canada
<b>Maui</b>					
Excellent	88.8%	87.4%	91.1%	75.1%	86.6%
Above Average	9.7%	10.6%	8.2%	20.2%	12.2%
Below Average	1.2%	1.5%	0.7%	2.7%	1.2%
Poor	0.3%	0.5%	0.1%	2.1%	0.1%
<b>Moloka'i</b>					
Excellent	81.0%	77.8%	84.2%	66.0%	71.8%
Above Average	14.0%	16.7%	11.3%	28.5%	22.0%
Below Average	3.1%	4.1%	2.2%	2.8%	2.1%
Poor	1.9%	1.5%	2.3%	2.8%	4.1%
<b>Lāna'i</b>					
Excellent	74.3%	69.7%	79.8%	60.3%	65.2%
Above Average	17.8%	22.2%	12.7%	26.2%	28.1%
Below Average	2.9%	3.4%	2.3%	10.6%	4.5%
Poor	5.0%	4.7%	5.2%	2.8%	2.3%

MMA: Major Market Area

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

## 10.4.4

### VISITORS BY INCOME LEVEL AND MMA MAUI COUNTY

Income <sup>1</sup>	US West	US East	Canada
Under \$40,000	4.8%	5.1%	6.6%
\$40,000 to \$59,999	9.0%	8.3%	11.8%
\$60,000 to \$79,999	11.1%	10.7%	12.1%
\$80,000 to \$99,999	12.9%	12.5%	12.9%
\$100,000 to \$124,999	17.2%	16.5%	16.2%
\$125,000 to \$149,999	11.2%	10.8%	9.9%
\$150,000 to \$174,999	8.8%	7.2%	8.6%
\$175,000 to \$199,999	4.9%	6.5%	6.0%
\$200,000 to \$249,999	8.8%	7.8%	5.7%
\$250,000 or more	11.2%	14.6%	10.1%

Income <sup>1</sup>	Europe	Oceania
Under \$40,000	15.6%	11.5%
\$40,000 to \$59,999	13.8%	13.4%
\$60,000 to \$79,999	13.4%	14.8%
\$80,000 to \$99,999	13.8%	10.6%
\$100,000 to \$124,999	14.0%	16.0%
\$125,000 to \$149,999	6.1%	7.2%
\$150,000 to \$174,999	6.4%	6.7%
\$175,000 to \$199,999	5.1%	4.8%
\$200,000 to \$249,999	3.6%	7.1%
\$250,000 or more	8.1%	8.0%

1. All in U.S. dollars.

MMA: Major Market Area

SOURCE: HAWAII'S TOURISM AUTHORITY, 2016 VISITOR SATISFACTION AND ACTIVITY REPORT.

10.4.5

**VISITATION DECISION TIMETABLE  
MAUI COUNTY**

Visitors, 2016	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	4.3%	19.5%	11.7%	30.7%	29.4%	4.5%
Decide to visit Hawai'i	4.7%	18.9%	11.5%	30.2%	29.9%	4.8%
Decide on which islands to visit	3.4%	17.2%	12.1%	31.3%	31.6%	4.5%
Set date for the trip	1.9%	13.0%	12.3%	30.5%	36.6%	5.7%
Choosing a place to stay	1.9%	11.5%	11.1%	30.0%	38.6%	6.9%
Make airline reservations	0.2%	4.9%	9.4%	32.7%	46.0%	6.7%
Purchase airline tickets	0.1%	4.5%	9.1%	32.2%	47.1%	7.0%
Make accommodation reservations	1.5%	10.5%	11.0%	29.2%	40.8%	7.1%
Make rental car reservations	0.1%	2.8%	5.9%	23.7%	56.7%	10.9%
Purchase tour or attraction packages	0.1%	1.1%	2.4%	13.3%	62.1%	21.0%
<b>U.S. East</b>						
Decide to take vacation/pleasure trip	6.5%	23.2%	13.2%	29.8%	23.8%	3.5%
Decide to visit Hawai'i	7.0%	20.9%	13.6%	30.2%	24.2%	4.1%
Decide on which islands to visit	4.8%	18.1%	13.6%	31.3%	27.9%	4.3%
Set date for the trip	2.6%	15.1%	14.3%	32.0%	31.6%	4.5%
Choosing a place to stay	2.3%	13.1%	13.1%	30.8%	34.3%	6.4%
Make airline reservations	0.2%	5.7%	12.1%	33.5%	42.3%	6.2%
Purchase airline tickets	0.1%	5.3%	11.6%	33.8%	43.1%	6.0%
Make accommodation reservations	1.2%	10.9%	13.1%	30.7%	37.3%	6.7%
Make rental car reservations	0.1%	3.3%	7.9%	24.8%	53.6%	10.2%
Purchase tour or attraction packages	0.2%	2.2%	3.4%	15.6%	62.3%	16.3%

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10.4.5

CONTINUED

Visitors, 2016	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>Canada</b>						
Decide to take vacation/pleasure trip	5.3%	24.3%	11.1%	28.0%	26.5%	4.9%
Decide to visit Hawai'i	5.4%	22.7%	11.4%	27.1%	28.2%	5.2%
Decide on which islands to visit	4.1%	20.5%	11.7%	27.0%	31.0%	5.7%
Set date for the trip	2.8%	17.1%	12.6%	29.1%	32.6%	5.8%
Choosing a place to stay	2.8%	15.2%	11.9%	26.8%	36.9%	6.4%
Make airline reservations	0.3%	8.1%	12.4%	31.0%	41.4%	6.8%
Purchase airline tickets	0.3%	7.8%	12.1%	30.7%	42.2%	6.8%
Make accommodation reservations	2.3%	14.0%	12.6%	26.8%	37.7%	6.6%
Make rental car reservations	0.1%	4.4%	6.7%	23.2%	55.6%	9.9%
Purchase tour or attraction packages	0.5%	1.5%	2.9%	10.3%	63.8%	21.0%
<b>Japan</b>						
Decide to take vacation/pleasure trip	1.5%	11.9%	7.1%	35.3%	39.8%	4.4%
Decide to visit Hawai'i	1.6%	12.0%	6.7%	34.1%	41.5%	4.0%
Decide on which islands to visit	1.3%	11.0%	6.5%	33.9%	43.2%	4.0%
Set date for the trip	0.8%	8.5%	6.3%	31.3%	47.8%	5.3%
Choosing a place to stay	0.5%	5.4%	6.0%	30.4%	52.4%	5.3%
Make airline reservations	0.7%	6.6%	5.8%	30.2%	51.4%	5.3%
Purchase airline tickets	0.6%	5.2%	5.7%	27.4%	55.0%	6.1%
Make accommodation reservations	0.6%	6.4%	6.0%	29.1%	52.0%	5.9%
Make rental car reservations	0.7%	2.5%	2.6%	16.5%	60.3%	17.4%
Purchase tour or attraction packages	0.5%	1.3%	1.5%	11.2%	69.2%	16.3%

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>2014</b>	<b>2015</b>	<b>2016</b>
<b>Maui</b>			
Alexander & Baldwin Sugar Museum	34,899	34,370	41,235
Aquarium Maui / Maui Ocean Center	284,514	300,964	313,989
Haleakala National Park	1,142,040	1,216,772	1,263,558
Haleki'i-Pihana Heiaus State Monument	NA	NA	NA
Hāna Cultural Center	NA	NA	NA
ʻĪao Valley State Monument	NA	NA	NA
Kula Botanical Garden	20,200	20,400	22,300
Lahaina Restoration Foundation	23,098	20,648	21,822
Baldwin Missionary Home Museum	13,390	11,170	14,538
Hale Pa'i Printing House	490	479	282
Wo Hing Temple Museum	9,218	8,999	7,002
Maui Historical Society Bailey House Museum	10,860	11,807	12,049
Whalers Village Museum	184,700	203,595	NA
<b>Moloka'i</b>			
Kalaupapa National Historical Park	67,210	67,891	71,527
Kalaupapa Settlement	NA	NA	NA

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

2017	Maui	Kaho'olawe	Lāna'i	Moloka'i
Listed Hawai'i Register	75	1	0	101
Listed National Register	68	0	0	1
Nominated Hawai'i Register	0	0	0	0

As of July 1. Categories are not exclusive. A site may be listed on both Hawai'i Register and National Register.

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

## 10.5.3

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

	2012	2013	2014	2015	2016
<b>National Parks</b>					
Number	2	2	2	2	2
Acreage	44,043	44,043	44,043	44,043	44,043
Visits	1,153,543	886,412	1,209,250	1,284,663	1,335,085
<b>State Parks and Historic Sites</b>					
Number	11	11	10	10	10
Acreage	561.7	561.7	560.2	560.2	564
<b>County Parks</b>					
Number	139	143	144	146	149
Acreage	1,801	1,977	2,152	2,177	2,492

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	33	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	*47,029	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	*3,345	30,983
2016	NA	3,520	NA	NA	8,203	1,968	30,560

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 and nonemployers.

Also included is a list of Maui County's largest private corporations. The largest private corporation on Maui is Four Seasons Resort Maui at Wailea with 750 employees, and sales of \$163 million in 2016.



## 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**

	2012	2013	2014	2015	2016	2017
Retailing	1,967,334,775	1,884,142,625	1,837,209,175	1,856,498,225	1,654,676,975	1,906,907,850
Services	870,113,025	894,327,625	962,630,575	1,022,536,950	994,537,025	1,134,632,275
Contracting	584,092,725	603,158,925	662,255,275	747,761,100	801,753,300	796,437,725
Theater, Amusement, Radio	19,169,350	17,563,175	14,639,350	16,686,025	19,008,275	31,919,125
Interest*	29,325	30,075	16,275	12,700	99,698,200	128,489,650
Commissions	132,802,675	150,842,525	157,432,650	158,065,475	155,660,350	180,880,475
Hotel Rentals	521,309,225	517,916,900	442,081,650	391,458,950	374,253,300	532,656,375
All Other Rentals	367,632,475	368,320,475	390,790,600	453,676,025	424,663,375	479,516,250
Use (4%)	18,642,025	13,397,450	13,474,200	15,075,975	23,057,275	40,429,825
All Others (4%)	123,253,850	128,713,725	118,138,025	108,408,675	-	-
<b>SUB-TOTAL</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>	<b>5,231,869,550</b>
Insurance Solicitors	12,704,001	9,889,333	12,266,667	11,032,666	12,531,333	17,570,000
Producing	29,610,600	29,086,600	25,855,600	26,157,600	19,779,800	28,591,400
Manufacturing	34,223,400	34,453,200	33,170,400	42,598,400	37,928,600	53,740,400
Wholesaling	457,636,400	470,972,000	464,085,000	463,741,800	407,245,000	472,097,800
Services (Intermediary)	83,847,000	70,324,400	72,190,200	74,669,400	73,635,800	82,540,400
Use (1/2%)	426,603,200	424,074,800	402,538,800	349,976,200	221,583,600	114,675,000
<b>SUB-TOTAL</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>769,215,000</b>
<b>GRAND TOTAL</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>	<b>6,001,084,550</b>

\* Category changed to Interest and All Others, starting in 2016

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, 2016

Establishment Type	Location	Number	Location	Number	Location	Number
<b>Motor Vehicles &amp; Parts</b>	Kahului	25	Pukalani	1	Kaunakakai	2
	Kīhei	3	Pu'unēnē	1		
	Lahaina	2	Wailuku	8		
<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	8	Lahaina	1	Lāna'i City	1
	Kīhei	3	Wailuku	1		
<b>Building Material &amp; Garden Equipment &amp; Supplies</b>	Kahului	16	Lahaina	4	Wailuku	5
	Kīhei	2	Makawao	2	Lāna'i City	1
	Kula	1	Pu'unēnē	1		
<b>Food &amp; Beverage</b>	Ha'ikū	3	Lahaina	25	Kaunakakai	5
	Hāna	1	Makawao	3	Kualapu'u	1
	Kahului	15	Pā'ia	2	Maunaloa	1
	Kīhei	8	Wailuku	12	Lāna'i City	1
	Kula	1				
<b>Health &amp; Personal Care</b>	Ha'ikū	1	Kula	1	Pā'ia	1
	Kahului	16	Lahaina	14	Wailuku	6
	Kīhei	8	Makawao	2	Kaunakakai	1
<b>Gasoline Stations</b>	Kahului	11	Lahaina	8	Wailuku	3
	Kīhei	7	Makawao	3	Kaunakakai	1
	Kula	1	Pā'ia	2	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	125	Kaunakakai	3
	Hāna	1	Makawao	8	Lāna'i City	1
	Kahului	34	Pā'ia	13		
	Kīhei	50	Wailuku	4		
<b>Sporting Goods, Hobby, Musical Instruments &amp; Books</b>	Kahului	19	Makawao	1	Wailuku	4
	Kīhei	7	Pā'ia	2	Kalaupapa	1
	Lahaina	11				
<b>General Merchandise</b>	Hana	1	Lahaina	2	Kaunakakai	2
	Kahului	9	Makawao	1	Lāna'i City	1
<b>Miscellaneous</b>	Haiku	1	Kula	4	Wailuku	12
	Hāna	2	Lahaina	60	Kaunakakai	3
	Kahului	13	Makawao	5	Kualapu'u	1
	Kīhei	18	Pā'ia	7	Lāna'i City	1
<b>Nonstore Retailers</b>	Ha'ikū	7	Lahaina	4	Kaunakakai	1
	Kahului	4	Makawao	5	Lāna'i City	1
	Kīhei	9	Paia	1		
	Kula	1	Wailuku	5		

SOURCE: U.S. CENSUS BUREAU, 2016 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
Pu'unēnē Shopping Center	Kahului	2015	263,781	28
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
Līpoa 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	2016	Businesses	Number of Employees	1st Quarter Payroll (\$1,000)	Annual Payroll (\$1,000)
44-45	Retail Trade	786	9,699	70,725	292,933
4411--	Automobile dealers	16	496	7,280	31,441
4412--	Other motor vehicle dealers	2	b	D	D
4413--	Auto parts, accessories, & tire stores	24	255	1,996	8,572
4421--	Furniture stores	13	58	678	2,858
4422--	Home furnishings stores	18	169	1,387	4,825
4431--	Electronics & appliance stores	14	87	617	2,546
4441--	Building material & supplies dealers	32	677	5,010	21,573
4442--	Lawn & garden equipment & supplies stores	9	60	462	1,850
4451--	Grocery stores	73	2,251	16,198	67,672
4452--	Specialty food stores	12	74	526	2,317
4453--	Beer, wine & liquor stores	5	12	72	319
4461--	Health & personal care stores	51	510	3,407	14,530
4471--	Gasoline stations	37	493	3,177	13,635
4481--	Clothing stores	157	1,420	5,507	23,159
4482--	Shoe stores	18	98	470	2,118
4483--	Jewelry, luggage, & leather good stores	66	280	2,761	10,909
4511--	Sporting goods, hobby & music instr. stores	42	348	1,784	6,383
4512--	Book stores & news dealers	2	b	D	D
4521--	Department stores	5	838	6,834	26,753
4529--	Other general merchandise stores	11	f	D	D
4531--	Florists	12	28	138	687
4532--	Office supplies, stationery, & gift stores	69	417	2,379	10,220
4533--	Used merchandise stores	11	115	479	2,239
4539--	Other miscellaneous store retailers	48	289	2,810	11,437
4541--	Electronic shopping & mail order houses	15	43	638	2,087
4542--	Vending machine operators	1	a	D	D
4543--	Direct selling establishments	23	85	727	3,025

a: 0 to 19 employees

b: 20 to 99 employees

f: 500 to 999 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, 2016 COUNTY BUSINESS PATTERNS.

## 11.2.5

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

2016	Total Stores	Number of Employees					
		1-4	5-9	10-19	20-49	50-99	100-499
<b>Maui Island</b>							
Hai'kū	17	13	2	2	0	0	0
Hāna	5	5	0	0	0	0	0
Kahului	196	53	50	49	25	9	10
Kīhei	125	57	40	18	6	3	1
Kula	13	9	2	2	0	0	0
Lahaina	265	96	102	46	18	2	1
Makawao	34	21	8	3	0	1	1
Pā'ia	31	14	15	1	0	0	1
Pukalani	1	0	1	0	0	0	0
Pu'unēnē	2	1	1	0	0	0	0
Wailuku	64	34	18	4	4	4	0
<b>Moloka'i</b>							
Ho'olehua	1	0	1	0	0	0	0
Kalaupapa	1	0	0	1	0	0	0
Kaunakakai	18	6	5	4	3	0	0
Kualapu'u	2	1	0	1	0	0	0
Maunaloa	1	0	1	0	0	0	0
<b>Lāna'i</b>							
Lāna'i City	8	4	2	1	0	1	0

SOURCE: U.S. CENSUS BUREAU, 2016 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	\$3.00 to \$18.00	\$3.00	NA
Wainee Street	\$1.00 to \$2.00	\$1.00 to \$2.00	NA
Shopping Centers	\$1.50 to \$3.50	\$1.50 to \$3.50	NA
<b>Central Maui</b>			
Kahului	\$1.25 to \$6.00	\$0.75 to \$3.26	\$0.80 to \$1.50
Wailuku	\$0.29 to \$3.50	\$1.00 to \$2.60	\$1.00 to \$1.50
<b>South Maui</b>			
Kihei	\$0.33 to \$30.00	\$0.13 to \$5.00	\$1.35 to \$1.45
Wailea	\$6.00 to \$7.50	NA	NA
<b>Upcountry</b>			
Haiku	\$1.00 to \$2.25	\$1.00 to \$2.25	NA
Makawao	\$1.50 to \$2.75	\$1.50	\$1.10
Paia	\$1.35 to \$6.72	\$1.35 to \$5.00	NA

SOURCE: CURRENT PROPERTY LISTINGS ON LOOPNET.COM AS OF MAY 2, 2018.

## 11.3.1

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

Industry, 2016	Total Establishments	Employees	Annual Payroll (\$1,000)
<b>Agriculture, Forestry, Fishing &amp; Hunting</b>	<b>1</b>	<b>a</b>	<b>D</b>
<b>Mining</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Utilities</b>	<b>16</b>	<b>486</b>	<b>46,942</b>
<b>Construction</b>	<b>505</b>	<b>3,805</b>	<b>228,213</b>
Construction of buildings	172	883	51,363
Heavy & civil engineering construction	22	236	14,780
Specialty trade contractors	311	2,686	162,070
<b>Manufacturing</b>	<b>117</b>	<b>1,146</b>	<b>49,085</b>
Food manufacturing	41	607	18,524
Beverage & tobacco product manufacturing	6	136	5,483
Textile product mills	3	9	479
Apparel manufacturing	5	9	116
Wood product manufacturing	2	a	D
Printing & related support activities	8	41	1,905
Chemical manufacturing	7	25	1,620
Plastics & rubber products manufacturing	1	a	D
Nonmetallic mineral product manufacturing	9	181	13,613
Fabricated metal product manufacturing	4	18	1,086
Machinery manufacturing	1	b	D
Computer & electronic product manufacturing	1	a	D
Furniture & related product manufacturing	6	15	474
Miscellaneous manufacturing	22	41	1,495
<b>Wholesale Trade</b>	<b>161</b>	<b>1,425</b>	<b>71,477</b>
Merchant wholesalers, durable goods	54	366	17,921
Merchant wholesalers, nondurable goods	92	1,027	52,118
Wholesale electronic markets & agents & brokers	15	32	1,438
<b>Retail Trade</b>	<b>786</b>	<b>9,699</b>	<b>292,933</b>
Motor vehicle & parts dealers	42	804	42,039
Furniture & home furnishings stores	31	227	7,683
Electronics & appliance stores	14	87	2,546
Bldg material & garden equipment & supplies	41	737	23,423
Food & beverage stores	90	2,337	70,308
Health & personal care stores	51	510	14,530
Gasoline stations	37	493	13,635
Clothing & clothing accessories stores	241	1,798	36,186
Sporting goods, hobby, music instr. & books	44	390	7,167
General merchandise stores	16	1,338	45,678
Miscellaneous store retailers	140	849	24,583
Nonstore retailers	39	129	5,155
<b>Transportation &amp; Warehousing</b>	<b>153</b>	<b>3,337</b>	<b>117,812</b>
Air transportation	17	652	23,626
Water transportation	3	b	D
Truck transportation	30	428	22,751
Transit & ground passenger transportation	16	255	5,361
Scenic & sightseeing transportation	52	1,167	40,046

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11.3.1  
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Industry, 2016	Total Establishments	Employees	Annual Payroll (\$1,000)
Support activities for transportation	19	553	12,807
Couriers & messengers	12	184	7,168
Warehousing & storage	4	37	1,890
<b>Information</b>	<b>66</b>	<b>610</b>	<b>30,736</b>
Publishing industries (except Internet)	20	147	7,420
Motion picture & sound recording industries	10	84	1,557
Broadcasting (except Internet)	6	68	2,125
Telecommunications	23	286	18,366
Data processing, hosting & related services	4	16	599
Other information services	3	a	D
<b>Finance &amp; Insurance</b>	<b>150</b>	<b>806</b>	<b>40,422</b>
Credit intermediation & related activities	80	581	25,963
Securities, commodity contracts, investments	23	70	6,480
Insurance carriers & related activities	47	155	7,979
<b>Real Estate &amp; Rental &amp; Leasing</b>	<b>317</b>	<b>2,025</b>	<b>86,104</b>
Real estate	230	1,122	52,295
Rental & leasing services	87	903	33,809
<b>Professional, Scientific, &amp; Technical Services</b>	<b>413</b>	<b>1,597</b>	<b>91,639</b>
<b>Management of Companies &amp; Enterprises</b>	<b>14</b>	<b>80</b>	<b>4,814</b>
<b>Administrative Support &amp; Waste Management</b>	<b>295</b>	<b>4,469</b>	<b>139,097</b>
Administrative & support services	281	4,257	133,113
Waste management & remediation services	14	212	5,984
<b>Educational Services</b>	<b>71</b>	<b>836</b>	<b>27,098</b>
<b>Health Care &amp; Social Assistance</b>	<b>421</b>	<b>6,280</b>	<b>340,086</b>
Ambulatory health care services	309	2,733	183,485
Hospitals	2	g	D
Nursing & residential care facilities	16	773	27,332
Social assistance	94	1,377	35,647
<b>Arts, Entertainment, &amp; Recreation</b>	<b>132</b>	<b>2,234</b>	<b>60,582</b>
Performing arts, spectator sports, & related	51	905	22,724
Museums, historical sites, & similar institutions	11	183	5,690
Amusement, gambling, & recreation industries	70	1,146	32,168
<b>Accommodation &amp; Food Services</b>	<b>536</b>	<b>22,460</b>	<b>793,466</b>
Accommodation	102	12,027	545,335
Food services & drinking places	434	10,433	248,131
<b>Other Services (except Public Administration)</b>	<b>459</b>	<b>2,831</b>	<b>88,904</b>
Repair & maintenance	90	392	14,348
Personal & laundry services	93	873	23,905
Religious, grantmaking, civic, professional orgs	276	1,566	50,651
<b>Industries not Classified</b>	<b>5</b>	<b>18</b>	<b>250</b>
<b>Total for All Sectors</b>	<b>4,618</b>	<b>64,146</b>	<b>2,509,664</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, 2016 COUNTY BUSINESS PATTERNS.

## 11.3.2

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

Industry, 2016	Establishments with Employees	Nonemployer Establishments	Annual Receipts (\$1,000)
<b>Agriculture, Forestry, Fishing &amp; Hunting</b>	<b>1</b>	<b>255</b>	<b>6,523</b>
<b>Mining</b>	<b>0</b>	<b>5</b>	<b>749</b>
<b>Utilities</b>	<b>16</b>	<b>44</b>	<b>3,281</b>
<b>Construction</b>	<b>505</b>	<b>1,357</b>	<b>104,886</b>
Construction of buildings	172	382	35,665
Heavy & civil engineering construction	22	17	948
Specialty trade contractors	311	958	68,273
<b>Manufacturing</b>	<b>117</b>	<b>372</b>	<b>15,393</b>
Food manufacturing	41	56	2,206
Beverage & tobacco product manufacturing	6	D	D
Textile product mills	3	D	D
Apparel manufacturing	5	39	800
Wood product manufacturing	2	37	1,532
Printing & related support activities	8	16	1,230
Chemical manufacturing	7	8	1,133
Plastics & rubber products manufacturing	1	D	D
Nonmetallic mineral product manufacturing	9	20	392
Primary metal manufacturing	0	3	45
Fabricated metal product manufacturing	4	12	432
Machinery manufacturing	1	3	93
Computer & electronic product manufacturing	1	3	44
Transportation equipment manufacturing	0	5	336
Furniture & related product manufacturing	6	20	575
Miscellaneous manufacturing	22	140	5,364
<b>Wholesale Trade</b>	<b>161</b>	<b>393</b>	<b>22,350</b>
Merchant wholesalers, durable goods	54	174	8,497
Merchant wholesalers, nondurable goods	92	174	12,475
Wholesale electronic markets & agents & brokers	15	45	1,378
<b>Retail Trade</b>	<b>786</b>	<b>1,313</b>	<b>66,055</b>
Motor vehicle & parts dealers	42	40	1,249
Furniture & home furnishings stores	31	24	1,923
Electronics & appliance stores	14	12	979
Bldg material & garden equipment & supplies	41	17	1,957
Food & beverage stores	90	49	5,125
Health & personal care stores	51	78	3,763
Gasoline stations	37	D	D
Clothing & clothing accessories stores	241	193	12,608
Sporting goods, hobby, musical instr. & books	44	51	2,259
General merchandise stores	16	22	1,599
Miscellaneous store retailers	140	242	15,642
Nonstore retailers	39	583	18,348
<b>Transportation &amp; Warehousing</b>	<b>153</b>	<b>576</b>	<b>14,140</b>
Air transportation	17	7	79
Water transportation	3	11	405

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11.3.2  
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Industry, 2016	Establishments with Employees	Nonemployer Establishments	Annual Receipts (\$1,000)
Truck transportation	30	36	2,390
Transit & ground passenger transportation	16	412	7,780
Scenic & sightseeing transportation	52	28	1,342
Support activities for transportation	19	33	945
Couriers & messengers	12	43	981
Warehousing & storage	4	D	D
<b>Information</b>	<b>66</b>	<b>154</b>	<b>4,977</b>
Publishing industries (except Internet)	20	35	1,150
Motion picture & sound recording industries	10	67	3,020
Broadcasting (except Internet)	6	9	120
Telecommunications	23	5	116
Data processing, hosting & related services	4	16	146
Other information services	3	22	425
<b>Finance &amp; Insurance</b>	<b>150</b>	<b>288</b>	<b>15,141</b>
Credit intermediation & related activities	80	16	744
Securities, commodity contracts, investments	23	104	7,668
Insurance carriers & related activities	47	168	6,729
<b>Real Estate &amp; Rental &amp; Leasing</b>	<b>317</b>	<b>2,003</b>	<b>178,820</b>
Real estate	230	1,904	172,447
Rental & leasing services	87	97	6,165
<b>Professional, Scientific, &amp; Technical Services</b>	<b>413</b>	<b>2,230</b>	<b>88,542</b>
<b>Administrative, Support &amp; Waste Management</b>	<b>295</b>	<b>1,830</b>	<b>55,125</b>
Administrative & support services	281	1,825	54,796
Waste management & remediation services	14	5	329
<b>Educational Services</b>	<b>71</b>	<b>378</b>	<b>8,204</b>
<b>Health Care &amp; Social Assistance</b>	<b>421</b>	<b>1,022</b>	<b>45,515</b>
Ambulatory health care services	309	735	37,955
Nursing & residential care facilities	16	39	1,264
Social assistance	94	248	6,296
<b>Arts, Entertainment, &amp; Recreation</b>	<b>132</b>	<b>1,321</b>	<b>53,731</b>
Performing arts, spectator sports, & related	51	1,085	28,017
Museums, historical sites, & similar institutions	11	3	30
Amusement, gambling, & recreation industries	70	233	25,684
<b>Accommodation &amp; Food Services</b>	<b>536</b>	<b>386</b>	<b>29,826</b>
Accommodation	102	106	9,167
Food services & drinking places	434	280	20,659
<b>Other Services (except Public Administration)</b>	<b>459</b>	<b>2,865</b>	<b>100,457</b>
Repair & maintenance	90	629	27,875
Personal & laundry services	93	2,152	71,311
Religious, grantmaking, civic, professional orgs	276	84	1,271
<b>Total for All Sectors</b>	<b>4,618</b>	<b>16,792</b>	<b>813,715</b>

D: Withheld to avoid disclosing data of individual companies; data are included in higher totals.

SOURCE: U.S. CENSUS BUREAU, 2016 NONEMPLOYER STATISTICS.

### 11.3.3

## LARGEST COMPANIES AND NONPROFITS MAUI COUNTY

Company	State Rank		Sales (\$million)		Employees
	2017	2016	2016	2015	
Four Seasons Resort Maui at Wailea	48	55	163.0	159.0	750
VIP Foodservice	84	86	91.2	92.6	180
Maui Land & Pineapple Co. Inc.	130	202	47.0	23.0	17
Maui Medical Group Inc.	143	151	39.0	40.0	285
Hale Makua Health Services	151	166	34.7	33.4	456
Haleakala Solar Inc.	152	148	33.5	42.0	124
Maui Clothing Co. Inc.	204	216	18.7	19.1	117
Wailea Golf LLC	209	241	16.9	14.3	122
Employers Options	225	243	12.4	13.2	9
Maui County Federal Credit Union	230	NA	9.2	8.8	48

NA: Not available

SOURCE: "TOP 250." *HAWAI'I BUSINESS*, AUGUST 2017.

### 11.3.4

## CHARACTERISTICS OF BUSINESS ESTABLISHMENTS WITH EMPLOYEES, MAUI COUNTY

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

Characteristic	2015		2016	
	Maui County	State	Maui County	State
Number of businesses	4,545	31,915	4,618	32,350
Employees	61,991	523,677	64,146	528,415
First quarter payroll (\$1,000)	572,765	5,326,980	594,368	5,472,006
Annual payroll (\$1,000)	2,389,725	22,068,393	2,509,664	22,892,445

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
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
2016	4,618	32,350

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

Geography, 2012	Number of Establishments	Revenue (\$1,000)	Number of Employees	Annual Payroll (\$1,000)
<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**  
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<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, 2016

Establishment Type	Location	Number	Location	Number	Location	Number
<b>Professional, Scientific, &amp; Technical Services</b>	Ha'ikū	24	Lahaina	40	Wailuku	124
	Kahului	55	Makawao	31	Ho'olehua	1
	Kīhei	89	Pā'ia	13	Kaunakakai	2
	Kula	28	Pukalani	1	Lāna'i City	3
<b>Management of Companies</b>	Haiku	1	Kula	1	Paia	1
	Kahului	3	Lahaina	3	Wailuku	1
	Kīhei	4				
<b>Administrative &amp; Support</b>	Ha'ikū	21	Lahaina	45	Ho'olehua	1
	Kahului	46	Makawao	24	Kaunakakai	3
	Kīhei	67	Pā'ia	7	Lāna'i City	3
	Kula	9	Wailuku	53		
<b>Waste Management &amp; Remediation</b>	Kahului	5	Makawao	2	Wailuku	3
	Kīhei	1	Pu'unēnē	2	Ho'olehua	1
<b>Educational Services</b>	Ha'ikū	5	Lahaina	9	Kalaupapa	1
	Hāna	2	Makawao	13	Kaunakakai	1
	Kahului	11	Pā'ia	2	Maunaloa	1
	Kīhei	17	Wailuku	7	Lāna'i City	1
	Kula	2				
<b>Ambulatory Health Care</b>	Ha'ikū	6	Kula	12	Wailuku	116
	Hāna	2	Lahaina	27	Kaunakakai	9
	Kahului	66	Makawao	23	Kualapu'u	1
	Kīhei	41	Pā'ia	1	Lāna'i City	3
<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	2	Lahaina	10	Ho'olehua	3
	Hāna	3	Makawao	7	Kaunakakai	7
	Kahului	12	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	11	Makawao	6
	Hāna	1	Kula	3	Pā'ia	2
	Kahului	3	Lahaina	13	Wailuku	5
<b>Museums, Historical Sites, &amp; Related</b>	Ha'ikū	2	Makawao	2	Kualapu'u	1
	Hāna	1	Pu'unēnē	1		
	Lahaina	2	Wailuku	2		
<b>Amusement, Gambling, &amp; Recreation</b>	Ha'ikū	5	Kula	5	Pā'ia	3
	Kahului	10	Lahaina	18	Wailuku	6
	Kīhei	15	Makawao	5	Kaunakakai	2
<b>Accommodation</b>	Ha'ikū	3	Kula	1	Wailuku	3
	Hāna	1	Lahaina	58	Maunaloa	1
	Kahului	2	Makawao	1	Lāna'i City	2
	Kīhei	27	Pā'ia	3		
<b>Food Service &amp; Drinking</b>	Ha'ikū	8	Lahaina	132	Ho'olehua	1
	Hāna	1	Makawao	17	Kaunakakai	9
	Kahului	71	Pā'ia	19	Lāna'i City	4
	Kīhei	107	Pukalani	2		
	Kula	6	Wailuku	58		
<b>Repair &amp; Maintenance</b>	Ha'ikū	2	Kula	3	Pu'unēnē	4
	Kahului	28	Lahaina	9	Wailuku	29
	Kīhei	9	Makawao	5	Ho'olehua	1
<b>Personal &amp; Laundry Services</b>	Ha'ikū	3	Kula	3	Pā'ia	2
	Kahului	17	Lahaina	25	Wailuku	18
	Kīhei	18	Makawao	6	Lāna'i City	1
<b>Religious, Civic, &amp; Professional Organizations</b>	Ha'ikū	6	Lahaina	72	Wailuku	47
	Hāna	2	Makawao	11	Ho'olehua	2
	Kahului	20	Pā'ia	3	Kaunakakai	9
	Kīhei	87	Pukalani	2	Maunaloa	2
	Kula	7	Pu'unēnē	2	Lāna'i City	3

SOURCE: U.S. CENSUS BUREAU, 2016 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	255	6,523
21	Mining, Quarrying, and Oil and Gas Extraction	N	N	5	749
22	Utilities	13	Q	44	3,281
23	Construction	N	N	1,357	104,886
31-33	Manufacturing	99	D	372	15,393
42	Wholesale Trade	140	714,580	393	22,350
44-45	Retail Trade	758	D	1,313	66,055
48-49	Transportation & Warehousing	138	368,121	576	14,140
51	Information	69	N	154	4,977
52	Finance & Insurance	152	N	288	15,141
53	Real Estate & Rental & Leasing	306	454,401	2,003	178,820
54	Professional, Scientific, & Tech. Services	390	186,395	2,230	88,542
55	Management of Companies & Enterprises	N	N	N	N
56	Admin., Support & Waste Management	271	303,209	1,830	55,125
61	Educational Services	47	16,725	378	8,204
62	Health Care & Social Assistance	393	741,499	1,022	45,515
71	Arts, Entertainment, & Recreation	120	141,052	1,321	53,731
72	Accommodation & Food Services	499	2,307,504	386	29,826
81	Other Services (except Public Administration)	383	238,128	2,865	100,457

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.

SOURCE: U.S. CENSUS BUREAU, 2012 ECONOMIC CENSUS, 2012 ECONOMIC CENSUS OF ISLAND AREAS, AND 2016 NONEMPLOYER STATISTICS.

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