

THE STATE OF HAWAII
DATA BOOK

1976

A STATISTICAL ABSTRACT

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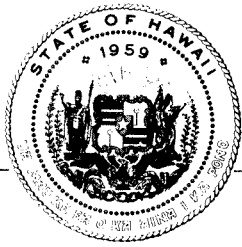
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

1976

THE STATE OF HAWAII
DATA BOOK
A STATISTICAL ABSTRACT

STATE OF HAWAII
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT
HONOLULU, HAWAII

NOVEMBER, 1976



DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

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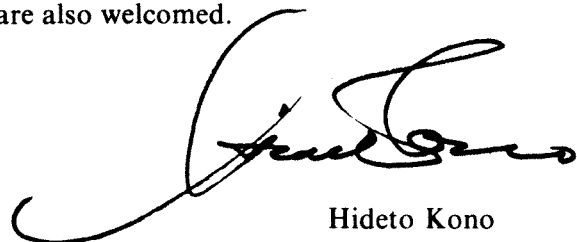
The State of Hawaii Data Book: A Statistical Abstract is intended to serve as the standard official summary of statistics on the social, economic, and political organization of the State. Like its long-established counterpart, the *Statistical Abstract of the United States*, it may be used as either a convenient volume of statistical reference or a guide to other statistical publications and sources.

The present volume, containing statistics available in the summer of 1976, is the tenth such abstract to be published by the State of Hawaii. Earlier editions appeared in 1962, 1967, 1968, and annually beginning in 1970. All are now out of print, but copies can be seen in many high school, university, and public libraries in Hawaii.

The *Data Book* closely follows the organization and format of the U.S. *Abstract*, in order to facilitate comparison of Hawaii data with corresponding series for the nation and other jurisdictions.

Emphasis in the *Data Book* is given to the most recent available State data. Historical statistics and information for counties, islands, urban places, and smaller areas receive more limited attention. The publications cited as sources in the introductions to the various sections or at the end of each table usually contain additional statistical detail and a more comprehensive discussion of relevant definitions and concepts than can be presented here. Persons interested in more extensive information should consult these sources or write to the agencies responsible for them.

The *Data Book* represents the work of many dedicated persons who recognize the need for accurate, complete, up-to-date statistics about Hawaii. Their assistance is gratefully acknowledged. Reader comments and suggestions are also welcomed.



Hideto Kono

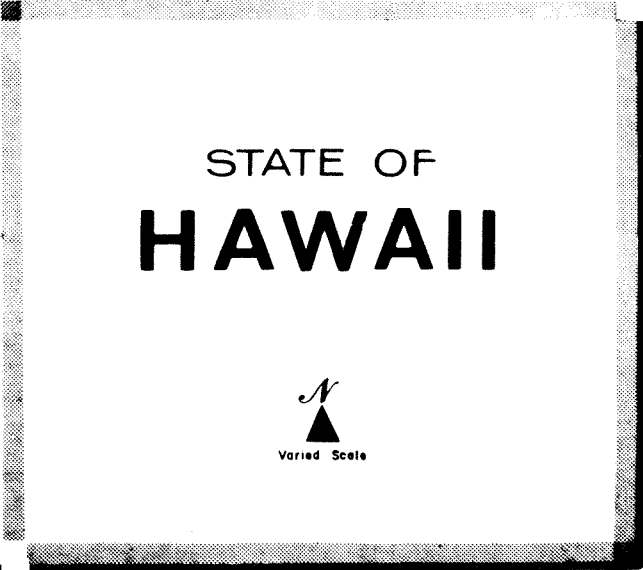
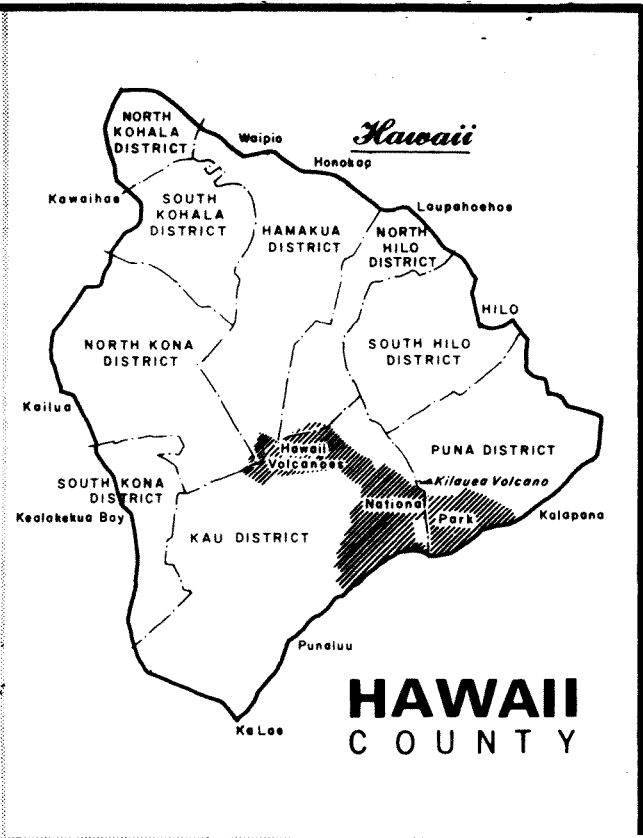
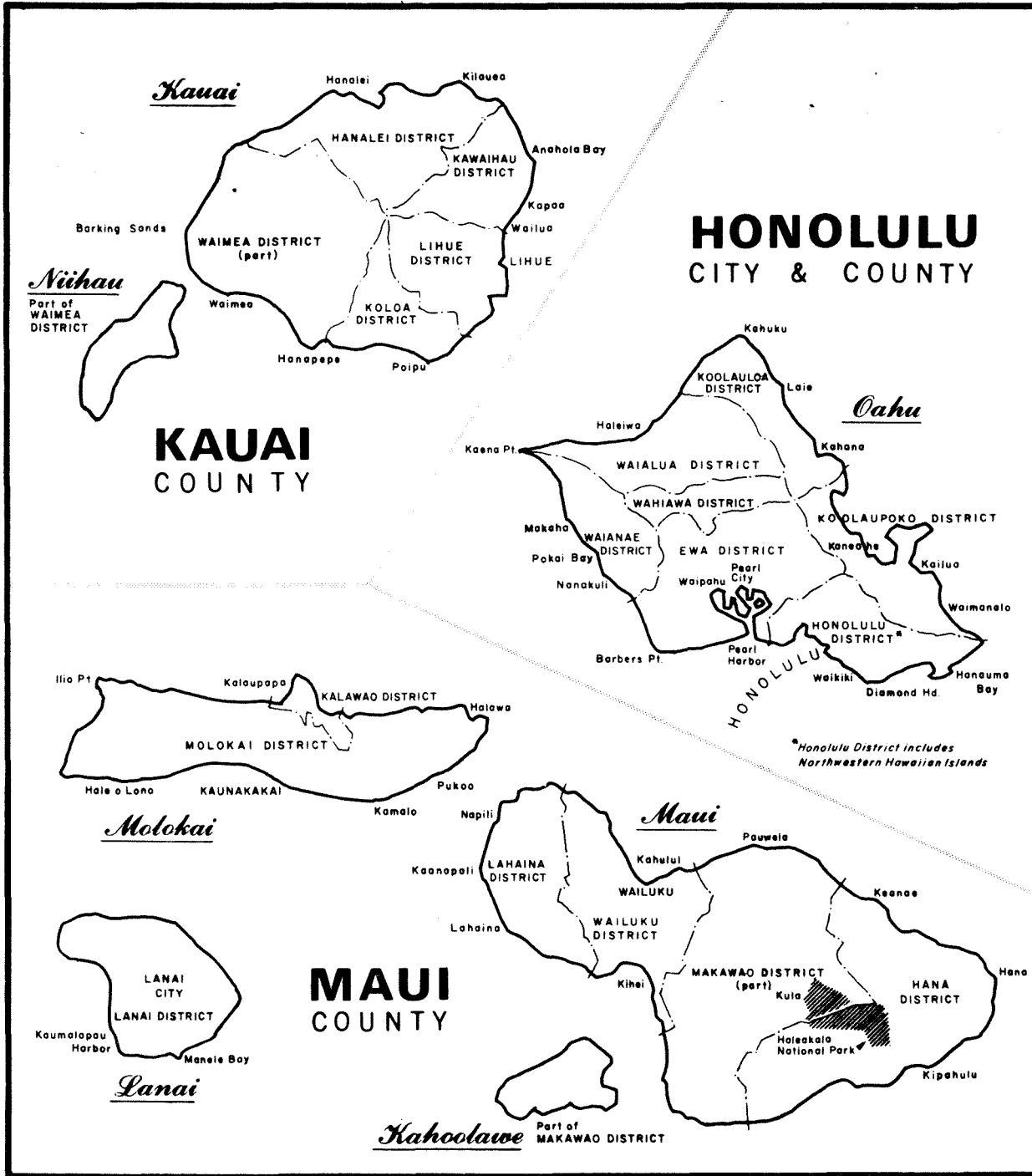
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The State of Hawaii Data Book is an annual publication of the Department of Planning and Economic Development, prepared in the Research and Economic Analysis Division, headed by Dr. Richard Y. P. Joun. The 1976 edition was prepared by Robert C. Schmitt, State Statistician, with the assistance of Lynn Y.S. Zane, Research Statistician.

Copies of this report may be obtained for \$4.00 each from the DPED Information Office on the 7th floor of the Kamamalu Bldg., 250 South King St., Honolulu, or postpaid out-of-State by sending \$5.00 per copy to the Information Office, DPED, P.O. Box 2359, Honolulu, Hawaii 96804.



GUIDE TO TABULAR PRESENTATION

The following symbols, used in the tables throughout this book, are explained in condensed form in footnotes to the tables where they appear:

- Represents zero or rounds to less than half the unit of measurement shown.
- D Figure withheld to avoid disclosure of information pertaining to a specific organization or individual.
- NA Data not enumerated, tabulated, or otherwise available separately.
- ... Same as NA; used in tables in which a large number of cells lack data.

Headnotes immediately below table titles provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Footnotes below the bottom rule of tables give information relating to specific items or figures within the table.

Unit indicators ("In thousands," "In millions of dollars," etc.) are usually given as the first element of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or in the column headings.

Median: The value which divides the distribution into two equal parts—one-half the cases falling below this value and one-half exceeding it.

Parallel vertical rules are used to the right of a total column to indicate—

- (1) that the components which follow add to the total;
- (2) in the case of derived figures, that the underlying data are additive to their total.

In many tables, details will not add to the totals shown because of rounding.

Geographic coverage should be understood as Statewide, unless otherwise indicated in the title, headnote, boxhead or stub. All annual statistics should be understood as referring to calendar years unless otherwise indicated.

UNITED STATES AND METRIC WEIGHTS AND MEASURES

CONVERSIONS

U.S.		to	Metric	Metric		to	U.S.
Inches	x	25.4	=	millimeters	Millimeters	x	0.039 = inches
Feet	x	0.305	=	meters	Meters	x	3.281 = feet
Yards	x	0.914	=	meters	Meters	x	1.094 = yards
Miles	x	1.609	=	kilometers	Kilometers	x	0.621 = miles
Square inches	x	6.452	=	sq centimeters	Sq centimeters	x	0.155 = sq inches
Square feet	x	0.093	=	sq meters	Square meters	x	10.764 = sq feet
Square yards	x	0.836	=	sq meters	Square meters	x	1.196 = sq yards
Acres	x	0.405	=	hectares	Hectares	x	2.471 = acres
Cubic inches	x	16.387	=	cu centimeters	Cu centimeters	x	0.061 = cu inches
Cubic feet	x	0.028	=	cu meters	Cu meters	x	35.315 = cu feet
Cubic yards	x	0.765	=	cu meters	Cu meters	x	1.308 = cu yards
Quarts (lq)	x	0.946	=	liters	Liters	x	1.057 = quarts (lq)
Gallons	x	0.004	=	cu meters	Cu meters	x	264.172 = gallons
Ounces (avdp)	x	28.350	=	grams	Grams	x	0.035 = ounces (avdp)
Pounds (avdp)	x	0.454	=	kilograms	Kilograms	x	2.205 = pounds (avdp)

Source: U.S. National Bureau of Standards, Special Publication 304a.

UNITS OF LENGTH

U.S. Measure		to	Metric	Metric Measure		to	U.S.
Inch (in.)		=	25.4 millimeters	Millimeter (mm)	=	.001 meter	= 0.039 inch
Foot (ft)	= 12 in.	=	0.305 meter				
Yard (yd)	= 36 in. or 3 ft	=	0.914 meter	Centimeter (cm)	=	.01 meter	= 0.394 inch
				Meter (m) ¹			= 3.281 feet
Mile (mi)	= 5,280 ft or 1,760 yd	=	1.609 kilometers				
				Kilometer (km)	=	1,000 meters	= 0.621 mile

¹Defined as 1,553,164.13 wave lengths of the red light from cadmium.

UNITS OF AREA

U.S. Measure		to	Metric	Metric Measure		to	U.S.
Sq inch (sq in.)		=	6.452 cm ²				
Sq foot (sq ft)	= 144 sq in.	=	0.093 m ²	Sq millimeter (mm ²)	=	.000001 m ²	= 0.002 sq in.
Sq yard (sq yd)	= 1,296 sq in. or 9 sq ft	=	0.836 m ²	Sq centimeter (cm ²)	=	.0001 m ²	= 0.155 sq in.
				Sq meter (m ²)			
				or centare (ca)			= 10.764 sq ft
Acre	= 43,560 sq ft or 4,840 sq yd or 160 sq rd	=	0.405 ha				
				Sq hectometer (hm ²)			
Sq mile (Sq mi)	= 27,878,400 sq ft or 3,097,600 sq yd or 640 acres	=	2.59 km ²	or hectare (ha)	=	10,000 m ²	= 2.471 acres
				Sq kilometer (km ²)	=	1,000,000 m ²	= 0.386 sq mi

UNITS OF VOLUME

U.S. Measure	to	Metric	Metric Measure	to	U.S.
Cu inch (cu in.)	=	16.387 cm ³	Cu millimeter (mm ³)	=	0.00000001 m ³
Cu foot (cu ft)	=	1,728 cu in.	Cu centimeter (cm ³)	=	.000001 m ³
Cu yard (cu yd)	=	46,656 cu in. or 27 cu ft	Cu meter (m ³) or stere (s)	=	35.315 cu ft

Source: U.S. National Bureau of Standards, Miscellaneous Publication 233.

UNITS OF WEIGHT (OR MASS)

U.S. Measure	to	Metric	Metric Measure	to	U.S.
Avoirdupois Weight ¹			Milligram (mg)	=	.001 g
			Centigram (cg)	=	.01 g
			Decigram (dg)	=	.1 g
Ounce (oz. avdp)	=	28.350 grams	Gram (g)	=	0.035 oz. avdp
Pound (lb. avdp) ²	=	16 ounces	Dekagram (dkg)	=	10 g
Hundredweight (cwt)	=	100 pounds	Hectogram (hg)	=	100 g
Ton, short (tn)	=	2,000 pounds	Kilogram (kg) ⁵	=	1,000 g
Ton, long	=	2,240 pounds	Metric ton	=	1,000 kg
Troy Weight ³					
Grain	=	0.065 gram			
Pennyweight (dwt)	=	24 grains			
Ounce (oz. t) ⁴	=	480 grains			
		or 20 dwt			
Pound (lb. t)	=	5,760 grains			
		or 12 ounces			

¹Used for weighing ordinary commodities.

²Defined as 0.45359237 kilogram.

³Used for weighing precious metals, jewels, etc.

⁴Also known as fine ounces.

⁵Defined as 1.000028 cubic decimeters.

UNITS OF CAPACITY

Liquid			Dry		
U.S. Measure	to	Metric	U.S. Measure	to	Metric
			Pint (pt)	=	0.551 liter
			Quart (qt)	=	2 pints
Fluid ounce (fl oz)	=	29.573 ml			
Pint (pt)	=	16 fl oz	Bushel (bu) ²	=	64 pints
				=	32 quarts
Quart (qt)	=	32 fl oz			
		or 2 pt			
Gallon (gal) ¹	=	8 pt			
		or 4 qt			

¹Defined as 231 cubic inches.

²Defined as 2,150.42 cubic inches.

Metric Measure	to	U.S. Measure
Milliliter (ml)	=	.001 liter
Centiliter (cl)	=	.01 liter
Liter (l) ¹	=	1.057 qt (liquid)
Hectoliter (hl)	=	100 liters
	=	0.034 fl oz (liquid)
	=	0.338 fl oz (liquid)
	=	0.908 qt (dry)
	=	26.418 gal (liquid)
	=	2.838 bu (dry)

¹Defined as 1.000028 cubic decimeters.

Source: U.S. National Bureau of Standards, Miscellaneous Publication 233.

SECTION 1

POPULATION

This section presents statistics on the growth, geographic distribution, and characteristics of the population of Hawaii, and on the number and characteristics of migrants to and from the State.

Preliminary estimates for mid-1975 indicate a population of 864,900. This total includes approximately 58,700 members of the armed forces and 63,700 of their dependents. It excludes an average of 68,800 visitors who were present in 1975, while including an average of 9,000 residents who were temporarily out of the State. The total population has risen from 154,000 in 1900 and 423,000 in 1940 (although a wartime peak of 859,000 was reached in 1944). Approximately 81.5 percent of the 1975 total lived on Oahu, giving that island a density in excess of 1,250 persons per square mile. The population is young—50 percent were under 25 years of age in 1970—and racially diversified, over one-fourth of the total being the product of mixed marriages. Migration has been a major factor in the growth of the population: between 1970 and 1975, approximately 149,200 persons (excluding military personnel and their dependents) moved to the State, while 104,400 moved away. The in-migrants included 111,700 persons from the Mainland and 37,500 from foreign countries, chiefly the Philippines and Korea.

Comparison of demographic data from different sources is often complicated by the use of differing definitions and coverage. Some series, for example, refer to resident population, while others pertain to de facto population; the latter includes visitors present but excludes residents temporarily absent. Total population includes armed forces stationed in an area, as well as their dependents in the area; civilian population excludes military personnel but includes their dependents. Perhaps the greatest confusion is that resulting from the arbitrary allocation of persons of mixed race in the 1970 U.S. Census. Such groups were shown separately in earlier censuses, and are still reported separately in data issued by State agencies.

The principal sources for these data are the decennial censuses (including final tabulations of the 1970 count), the estimates developed annually by the Hawaii State Department of Health and Department of Planning and Economic Development in cooperation with the Bureau of the Census, the sample survey conducted since 1969 by the Department of Health, and ongoing series on migration maintained by the Hawaii Visitors Bureau and U.S. Immigration and Naturalization Service. The Department of Planning and Economic Development summarizes these data in two series of reports, each issued annually: *The Population of Hawaii* and *Hawaii's In-Migrants*. Comparable national statistics appear in sections 1 and 3 of *Statistical Abstract of the United States: 1975*.

Table 1.—POPULATION OF THE STATE OF HAWAII, ISLAND OF OAHU, AND CITY OF HONOLULU: 1778 TO 1975

Estimate or census date ¹	State of Hawaii	Island of Oahu	City of Honolulu ²	Estimate or census date ¹	State of Hawaii	Island of Oahu ³	City of Honolulu ²
1778-1779 ⁴	250,000	50,000	(NA)	1896: Sept. 27	109,020	40,205	29,920
1823	145,000	34,000	(NA)	1900: June 1	154,001	58,504	39,306
1831-1832	130,313	29,755	13,344	1910: April 15	191,874	81,993	52,183
1835-1836	108,579	27,809	12,994	1920: January 1	255,881	123,496	81,820
1850: January	84,165	25,440	14,484	1930: April 1	368,300	202,887	137,582
1853: Dec. 26	73,138	19,126	11,455	1940: April 1	422,770	257,696	179,358
1860: Dec. 24	69,800	21,275	14,310	1950: April 1	499,794	353,020	248,034
1866: Dec. 7	62,959	19,799	13,521	1960: April 1	632,772	500,409	294,194
1872: Dec. 27	56,897	20,671	14,852	1970: April 1	769,913	630,528	324,871
1878: Dec. 27	57,985	20,236	14,114	1975: July 1	864,900	704,500	344,000
1884: Dec. 27	80,578	28,068	20,487				
1890: Dec. 28	89,990	31,194	22,907				

NA Not available.

¹Estimates for 1778-1779, 1823, and 1975 partial censuses (as supplemented by estimates) for 1831-1832 and 1835-1836, and official censuses for 1850 to 1970.

²The area from Maunalua to Moanalua, inclusive, plus minor outlying islands legally part of the city of Honolulu.

³Data for 1940 and later years include minor outlying islands legally part of the City and County of Honolulu.

⁴Other estimates for 1778-1779 range from 200,000 to 400,000 for the State and from 40,000 to 60,200 for Oahu.

Source: 1778-1779 and 1823 from Robert C. Schmitt, "New Estimates of the Pre-Censal Population of Hawaii," *The Journal of the Polynesian Society*, Vol. 80, No. 2, June 1971, pp. 237-243; 1831 to 1960 from Robert C. Schmitt, *Demographic Statistics of Hawaii: 1778-1965* (University of Hawaii Press, 1968), pp. 42, 70, and 116; 1970 from *U.S. Census of Population: 1970*, Final Report PC(1)-A13, tables 1 and 10 and correction note; 1975 from Hawaii State Department of Planning and Economic Development, Statistical Report 113 (April 21, 1976), table 2, and Hawaii State Census Statistical Areas Committee, Report CTC-32 (April 26, 1976), table 2.

Table 2.—POPULATION OF HAWAII, BY GEOGRAPHIC AREA: 1831 TO 1970

Geographic area	1831	1878	1910	1940	1960	1970
The State	129,814	57,985	191,874	422,770	632,772	769,913
Oahu ¹	29,745	20,236	81,993	257,696	500,409	630,528
Honolulu ¹	13,344	14,114	52,183	179,358	294,194	324,871
Rest of Oahu	16,401	6,122	29,810	78,338	206,215	305,657
Other islands	100,069	37,749	109,881	165,074	132,363	139,385
Hawaii	45,700	17,034	55,382	73,276	61,332	63,468
Maui	35,062	12,109	28,623	46,919	35,717	38,691
Kahoolawe	80	—	2	1	—	—
Lanai	1,200	214	131	3,720	2,115	2,204
Molokai	6,000	2,581	1,791	5,340	5,023	5,261
Kauai	10,947	5,634	23,744	35,636	27,922	29,524
Niihau	1,080	177	208	182	254	237
Urban ²	13,344	14,114	58,928	264,262	483,961	643,222
Rural	116,470	43,871	132,946	158,508	148,811	126,691
PERCENT DISTRIBUTION						
Oahu ¹	22.9	34.9	42.7	61.0	79.1	81.9
Honolulu ¹	10.3	24.3	27.2	42.4	46.5	42.2
Rest of Oahu	12.6	10.6	15.5	18.5	32.6	39.7
Other islands	77.1	65.1	57.3	39.0	20.9	18.1
Urban ²	10.3	24.3	30.7	62.5	76.5	83.5
Rural	89.7	75.7	69.3	37.5	23.5	16.5

¹Includes the Northwestern Hawaiian Islands (except Midway) and, before 1960, the Palmyra Islands.

²Limited to Honolulu before 1910.

Source: Robert C. Schmitt, *The Missionary Censuses of Hawaii* (Bishop Museum, May 1973), table, p. 9, and *Demographic Statistics of Hawaii: 1778-1965* (University of Hawaii Press, 1968), pp. 70 and 115-116; U.S. Bureau of the Census, *U.S. Census of Population: 1970*, Final Report PC(1)-A13, table 9, as corrected.

Table 3.—ESTIMATED POPULATION, BY RESIDENCE AND MILITARY STATUS: 1958 TO 1975

Year ¹	Resident population ²					Visitors present (annual) average)	Residents absent (annual) average)	De facto population ³
	Total	Armed forces ⁴	Civilian population					
			Total	Military dependents ⁵	Not military dependents			
1958	605,400	55,000	550,300	(NA)	(NA)	8,400	2,000	611,800
1959	622,100	56,600	565,500	(NA)	(NA)	10,400	2,000	630,500
1960: Apr. 1	632,772	53,888	578,884	60,057	518,827	10,800	2,100	641,500
July 1	641,500	59,200	582,300	60,300	522,100	11,800	2,100	651,200
1961	658,700	60,800	597,900	62,000	535,800	12,000	2,400	668,200
1962	683,500	79,000	604,500	63,200	541,300	13,100	3,000	693,600
1963	682,200	59,600	622,700	61,500	561,200	15,300	3,100	694,500
1964	699,900	73,200	626,700	69,100	557,600	16,000	4,700	711,200
1965	703,800	53,400	650,400	65,800	584,600	17,300	5,700	715,400
1966	710,300	54,100	656,300	62,600	593,600	21,000	6,800	724,600
1967	722,500	56,000	666,500	61,300	605,200	27,700	7,600	742,600
1968	734,500	57,000	677,400	59,100	618,300	32,500	8,100	758,800
1969	750,200	48,500	701,800	59,700	642,100	37,400	8,800	778,800
1970: Apr. 1	769,913	55,142	714,771	61,858	652,913	37,600	10,300	797,300
July 1	774,200	53,000	721,100	57,800	663,400	37,600	10,000	801,800
1971	798,000	50,800	747,200	62,200	685,100	41,900	9,400	830,500
1972	820,900	52,000	768,900	66,200	702,700	51,300	8,600	863,500
1973	843,700	58,100	785,600	70,300	715,300	61,600	9,800	895,500
1974	854,100	57,500	796,600	68,300	728,200	66,000	7,800	912,300
1975	864,900	58,700	806,100	63,700	742,400	68,800	9,000	924,700

NA Not available.

¹July 1 unless otherwise specified.

²Includes residents temporarily absent; excludes visitors present.

³Excludes residents temporarily absent; includes visitors present.

⁴De facto basis, 1958-1969; stationed or homeported in Hawaii, 1970 forward.

⁵Dependents living in Hawaii, regardless of location of family head.

Source: Hawaii State Department of Planning and Economic Development, *The Population of Hawaii, 1975* (Statistical Report 113, April 21, 1976), table 1.

Table 4.—ESTIMATED POPULATION, 1970 TO 1975, AND DENSITY, 1975, BY COUNTY

Subject and date	State total	City and County of Honolulu	Other counties						
			Total	Hawaii County	Kauai County ¹	Maui County ²			
						Total	Lanai	Maui	Molokai
TOTAL RESIDENT POPULATION³									
1970: April 1	769,913	630,528	139,385	63,468	29,761	46,156	2,204	38,691	5,261
1974: July 1	854,100	697,400	156,600	72,200	32,000	52,400	2,200	45,000	5,200
1975: July 1	864,900	704,500	160,400	74,700	31,800	53,900	2,200	46,300	5,400
CIVILIAN RESIDENT POPULATION⁴									
1970: April 1	714,771	575,719	139,052	63,328	29,627	46,097	2,204	38,632	5,261
1974: July 1	796,600	640,300	156,300	72,000	31,900	52,400	2,200	45,000	5,200
1975: July 1	806,100	646,000	160,100	74,600	31,700	53,900	2,200	46,300	5,400
TOTAL DE FACTO POPULATION⁵									
1970: April 1	797,300	649,600	147,600	66,300	32,300	49,000	2,200	41,500	5,300
1974: July 1	912,300	738,700	173,500	77,700	36,300	59,600	2,200	52,000	5,300
1975: July 1	924,700	745,400	179,300	80,600	36,500	62,100	2,200	54,400	5,500
DE FACTO DENSITY									
Per square mile, 1975	143.9	1,251.4	30.8	20.0	59.0	52.9	15.7	74.7	21.2
Per square km, 1975	55.6	483.1	11.9	7.7	22.8	20.4	6.1	28.9	8.2

¹Includes Kauai, Niihau, Lehua, and Kaula. The total resident population of Niihau was 237 on April 1, 1970 and 240 as of February 1, 1975. Kaula and Lehua are uninhabited.

²Population data for county and Molokai include Kalawao County (Kalaupapa Settlement): 172 in 1970 and 188 in 1975. Density data include Kahoolawe (uninhabited).

³Includes armed forces and their dependents.

⁴Includes military dependents but excludes armed forces.

⁵Includes armed forces and their dependents and also visitors present, but excludes residents temporarily absent.

Source: Hawaii State Department of Planning and Economic Development, *The Population of Hawaii, 1975* (Statistical Report 113, April 21, 1976), table 2.

Table 5.—RESIDENT POPULATION OF COUNTIES AND DISTRICTS: 1960 TO 1974

County and district	April 1, 1960	April 1, 1970	July 1, 1974 ¹	% increase 1970-1974
The State	632,772	769,913	846,900	10.0
Honolulu	500,409	630,528	691,200	9.6
Honolulu	294,194	324,871	342,200	5.4
Koolaupoko	60,238	92,219	102,600	11.3
Koolauloa	8,043	10,562	11,200	5.7
Waialua	8,221	9,171	9,700	5.8
Wahiawa	34,595	37,329	41,500	11.1
Waianae	16,452	24,077	26,500	10.0
Ewa	78,666	132,299	157,500	19.1
Hawaii	61,332	63,468	72,200	13.8
Puna	5,030	5,154	6,800	32.2
South Hilo	31,553	33,915	38,000	11.6
North Hilo	2,493	1,881	2,100	10.4
Hamakua	5,221	4,648	5,000	7.5
North Kohala	3,386	3,326	3,400	3.6
South Kohala	1,538	2,310	2,700	18.6
North Kona	4,451	4,832	6,400	32.6
South Kona	4,292	4,004	4,100	3.2
Ka'u	3,368	3,398	3,700	9.6
Maui and Kalawao	42,855	46,156	51,900	12.4
Hana	1,073	969	1,100	9.9
Makawao	10,409	9,979	11,600	16.8
Wailuku	19,391	22,219	25,000	12.6
Lahaina	4,844	5,524	6,800	22.9
Lanai	2,115	2,204	2,200	-0.3
Molokai	4,744	5,089	5,200	0.3
Kalawao	279	172		
Kauai	28,176	29,761	31,600	6.2
Waimea	7,057	7,569	7,600	0.5
Koloa	7,012	6,851	7,200	5.0
Lihue	6,297	6,766	6,600	-2.0
Kawaihau	6,498	7,393	8,400	13.0
Hanalei	1,312	1,182	1,800	53.1

¹For revised State and County estimates, see table 4.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1970*, Final Report PC(1)-A13, table 10, as corrected; Hawaii State Census Statistical Areas Committee, *Estimated Population of Hawaii by Districts, 1974* (Report CTC-31, October 20, 1975).

Table 6.—LAND AREA, 1970, AND POPULATION, 1960 AND 1970, OF URBAN PLACES

Island and urban place ¹	Land area (acres)	Resident population		Island and urban place ¹	Land area (acres)	Resident population	
		1970	1960 ²			1970	1960 ²
Oahu:				Oahu, cont.:			
Aiea	1,302	12,560	11,436	Waimalu	115	2,982	2,446
Barbers Pt. Hsg.	149	3,187	2,665	Waimanalo Beach	328	3,045	1,517
Ewa	627	2,906	3,257	Waipahu	1,815	24,150	7,802
Ewa Beach	815	7,765	4,627				
Foster Village	335	3,755	2,133	Hawaii:			
Halawa Hts.	808	5,809	2,485	Hilo	35,929	26,353	23,005
Haleiwa	1,165	2,626	2,504	Kailua	489	365	433
Hickam Housing	720	7,352	6,454	Papaikou	749	1,888	1,591
Honolulu	53,696	324,871	294,194	Waimea	652	756	657
Iroquois Pt.	395	4,572	677				
Kailua ³	4,470	33,783	24,402	Kauai:			
Kaneohe	4,316	29,903	15,291	Kapaa	2,591	3,794	3,439
Laie	754	3,009	1,767	Lihue	3,959	3,124	4,106
Maili	477	4,397	2,954				
Makaha	723	4,644	2,735	Maui:			
Makakilo City	850	3,499	0	Kahului	2,888	8,280	4,223
Maunawili	2,325	5,303	2,128	Lahaina	870	3,718	3,423
Mokapu	2,718	7,860	6,397	Wailuku	1,499	7,979	6,969
Nanakuli	1,068	6,506	2,745				
Pacific Palisades	658	7,846	0	Molokai:			
Pearl City	2,135	19,552	7,072	Kaunakakai	573	1,070	740
Schofield Bks.	1,849	13,516	14,873				
Wahiawa	1,472	17,598	15,512	Lanai:			
Waialua	829	4,047	2,689	Lanai City	328	2,122	2,056
Waianae	541	3,302	3,186				

¹These places are among the 93 cities, towns, and villages assigned statistical boundaries under Act 25, Session Laws of 1963. Each place over 2,500, the largest place on each island if none exceeds 2,500, and a few other places of special interest are shown.

²These figures refer to the 1960 population within the 1970 boundaries, and hence may differ somewhat from data published in official census bulletins.

³Includes Coconut Grove, Kalaheo Hillside, Keolu Hills, and Lanikai.

Source: Hawaii State Department of Planning and Economic Development, *Statistical Boundaries of Cities, Towns and Villages as Approved Through December 31, 1975* (Report SB-A11, February 4, 1976), table 1.

CENSUS TRACT MAP ISLAND OF OAHU

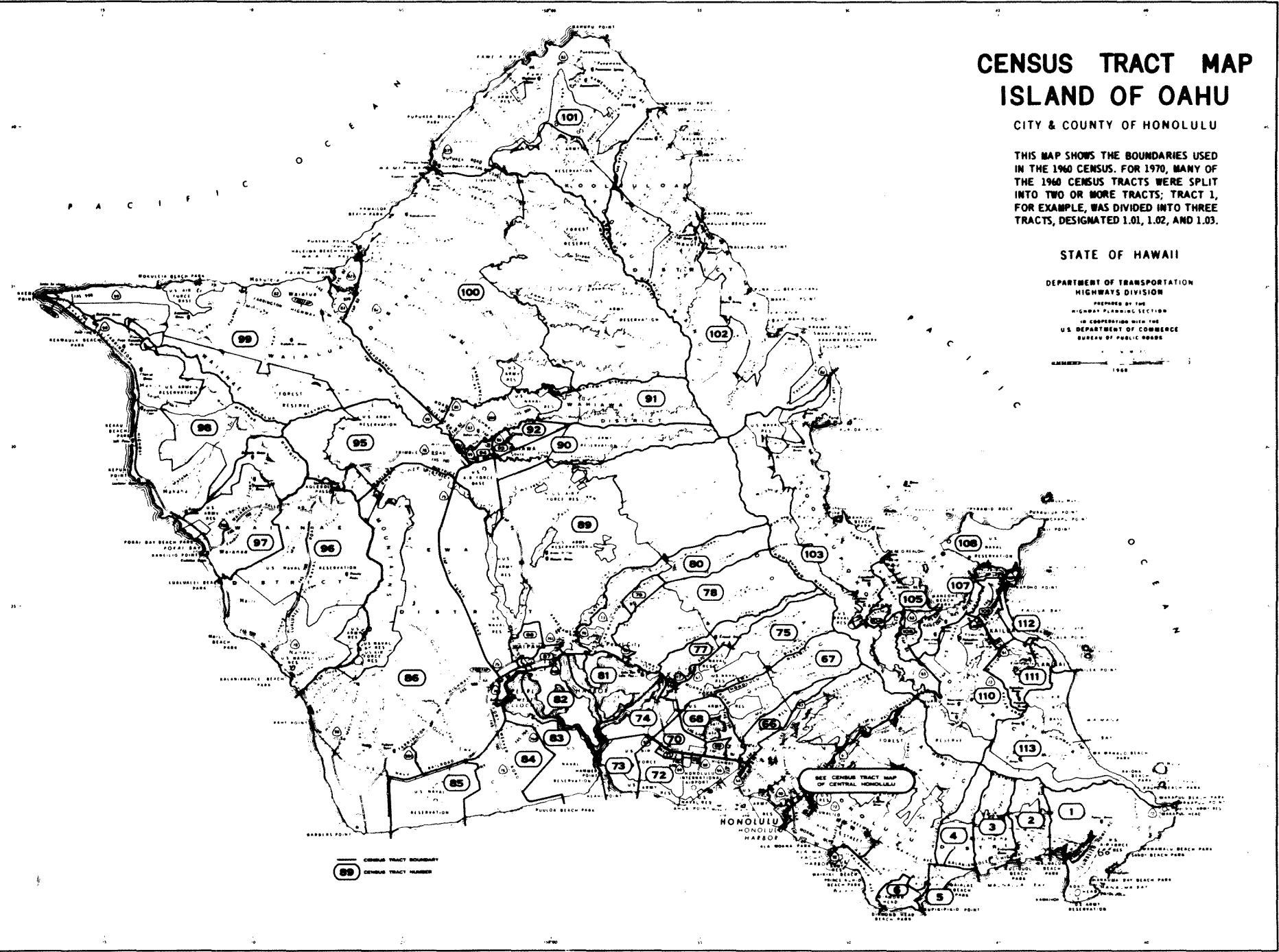
CITY & COUNTY OF HONOLULU

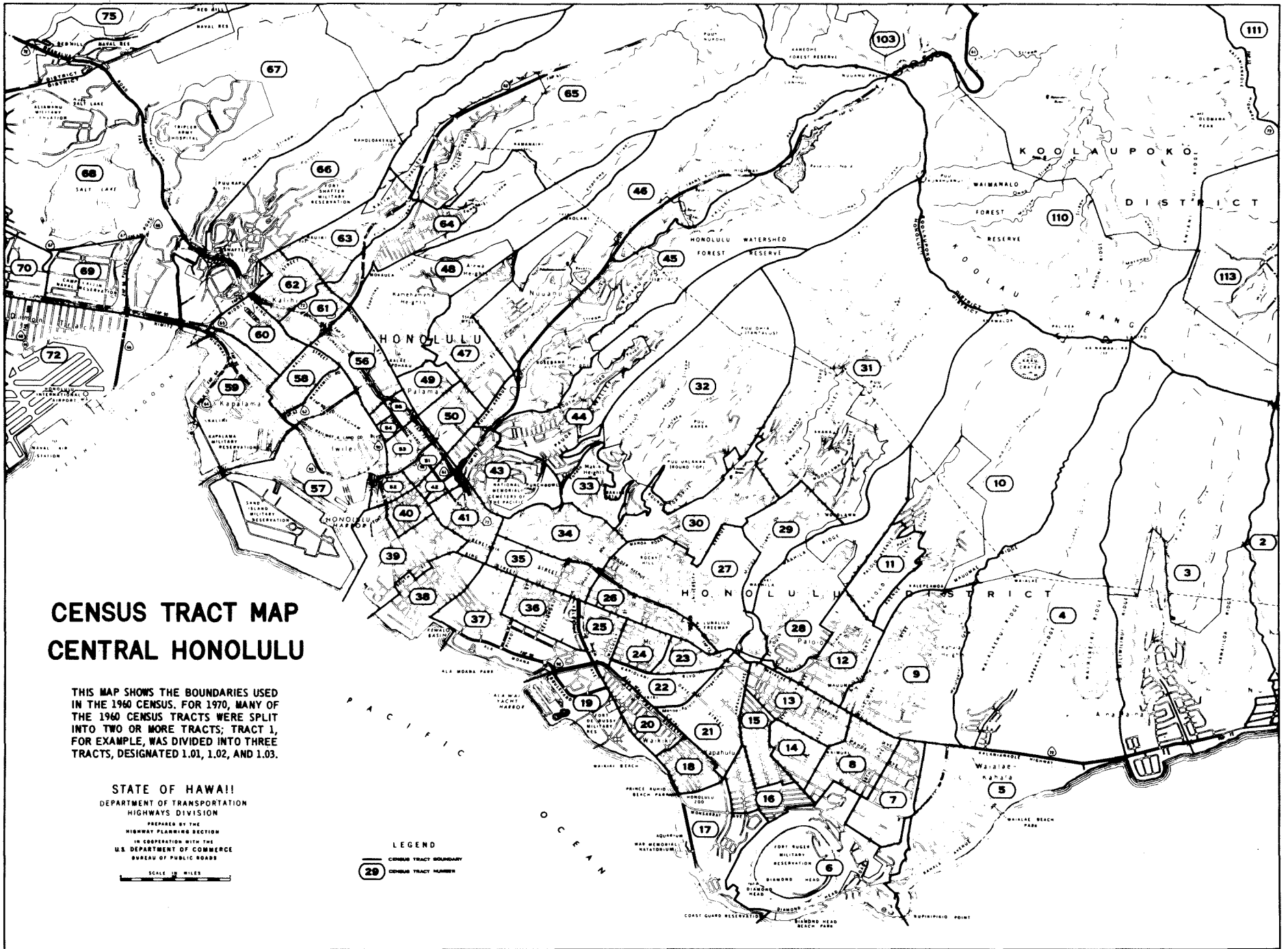
THIS MAP SHOWS THE BOUNDARIES USED IN THE 1960 CENSUS. FOR 1970, MANY OF THE 1960 CENSUS TRACTS WERE SPLIT INTO TWO OR MORE TRACTS; TRACT 1, FOR EXAMPLE, WAS DIVIDED INTO THREE TRACTS, DESIGNATED 1.01, 1.02, AND 1.03.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PREPARED BY THE
HIGHWAY PLANNING SECTION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

1968





CENSUS TRACT MAP CENTRAL HONOLULU

THIS MAP SHOWS THE BOUNDARIES USED IN THE 1960 CENSUS. FOR 1970, MANY OF THE 1960 CENSUS TRACTS WERE SPLIT INTO TWO OR MORE TRACTS; TRACT 1, FOR EXAMPLE, WAS DIVIDED INTO THREE TRACTS, DESIGNATED 1.01, 1.02, AND 1.03.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PREPARED BY THE
HIGHWAY PLANNING SECTION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

SCALE IN MILES

LEGEND
 CENSUS TRACT BOUNDARY
 CENSUS TRACT NUMBER

Table 7.—AREA, POPULATION, AND HOUSING UNITS, FOR OAHU, BY CENSUS TRACTS: 1970 AND 1975

Census tract	Land area ¹ (acres)	Resident population		Persons per acre 1975 ²	Employment (by place of work), 1970 ³	Housing units	
		April 1, 1970	July 1, 1975 ²			April 1, 1970 ⁴	July 1, 1975 ⁵
Oahu ⁵	383,345	630,528	704,455	1.8	245,890	174,742	209,685
Honolulu ⁵	56,590	324,871	343,972	6.1	142,776	103,189	118,843
1	7,458	12,572	20,233	2.7	533	3,498	6,098
2	2,210	5,123	5,958	2.7	166	1,356	1,686
3	2,842	6,485	6,157	2.2	473	1,710	1,733
4	2,366	4,469	5,887	2.5	162	1,190	1,675
5	708	5,253	4,950	7.0	1,654	1,835	1,848
6	812	2,025	1,801	2.2	646	575	546
7	240	3,794	3,632	15.1	344	994	1,017
8	223	4,599	4,150	18.6	289	1,237	1,258
9	688	10,679	10,223	14.8	785	3,239	3,306
10	1,951	3,650	3,469	1.8	66	894	925
11	190	4,586	4,451	23.4	293	1,023	1,062
12	280	7,888	7,468	26.7	660	2,148	2,171
13	231	5,146	4,696	20.3	1,661	1,589	1,586
14	122	2,990	2,823	23.1	68	848	856
15	139	4,345	4,130	29.7	317	1,261	1,281
16	151	4,783	4,422	29.3	323	1,392	1,392
17	331	2,559	2,454	7.4	1,119	1,523	1,573
18	102	4,060	4,046	39.7	1,328	2,379	2,578
19	377	4,479	5,496	14.6	12,668	2,770	3,655
20	123	4,585	5,100	41.5	4,759	2,991	3,618
21	300	3,347	3,922	13.1	1,177	1,211	1,512
22	152	3,796	6,570	43.2	241	1,493	2,752
23	89	4,195	5,312	59.7	814	1,654	2,243
24	107	5,878	6,244	58.4	1,109	2,143	2,425
25	107	4,242	3,939	36.8	775	1,630	1,637
26	164	5,163	5,262	32.1	4,099	1,815	2,137
27	625	8,714	7,211	11.5	6,182	2,491	2,842
28	624	4,316	3,848	6.2	1	1,161	1,163
29	259	1,591	1,549	6.0	196	394	410
30	410	4,966	4,795	11.7	218	1,561	1,630
31	2,275	8,433	8,189	3.6	203	2,179	2,275
32	1,468	1,218	1,194	0.8	21	360	379
33	148	1,145	1,091	7.4	44	285	291
34	274	14,913	16,424	59.9	492	7,331	8,870
35	185	4,308	5,779	31.2	7,255	1,925	2,770
36	180	5,570	5,687	31.6	7,259	2,628	2,868
37	408	1,349	2,039	5.0	18,551	746	1,199
38	254	837	758	3.0	16,550	279	255
39	292	397	328	1.1	13,829	119	96
40	71	100	58	0.8	24,924	53	53
41	163	4,097	4,716	28.9	7,763	1,903	2,345

Table 7.—AREA, POPULATION AND HOUSING UNITS, FOR OAHU, BY CENSUS TRACTS: 1970 AND 1975 (continued)

Census tract	Land area ¹ (acres)	Resident population		Persons per acre 1975 ²	Employment (by place of work), 1970 ³	Housing units	
		April 1, 1970	July 1, 1975 ²			April 1, 1970 ⁴	July 1, 1975 ⁵
42	58	1,162	1,074	18.5	1,425	642	642
43	327	5,628	6,094	18.6	649	1,970	2,291
44	822	5,142	5,855	7.1	310	1,466	1,494
45	1,924	4,780	4,876	2.5	313	1,387	1,535
46	1,708	4,377	4,067	2.4	240	1,170	1,192
47	327	5,500	5,282	16.2	1,547	1,481	1,523
48	863	6,608	6,086	7.0	944	1,734	1,750
49	101	3,292	3,033	30.0	514	994	987
50	134	3,973	3,651	27.2	2,079	1,264	1,308
51	45	0	0	0	304	0	0
52	44	1,405	1,299	29.5	4,192	974	960
53	87	482	5,557	63.9	351	468	1,739
54	20	1,862	1,669	83.4	137	364	386
55	53	1,975	1,741	32.8	326	545	540
56	231	5,768	5,006	21.7	1,382	1,434	1,366
57	1,033	2,749	2,084	2.0	14,721	1,028	990
58	126	3,163	3,582	28.4	1,502	969	1,169
59	520	4,449	3,780	7.3	9,034	1,231	1,190
60	179	6,711	5,866	32.8	1,817	1,698	1,651
61	114	3,262	3,009	26.4	673	739	766
62	153	6,818	6,324	41.3	398	1,603	1,606
63	293	6,796	6,339	21.6	413	1,372	1,371
64	440	6,680	6,177	14.0	160	1,422	1,435
65	2,802	4,011	3,783	1.4	61	904	921
66	1,423	3,424	4,522	3.2	4,987	679	714
67	4,856	9,819	10,876	2.2	1,799	2,387	2,628
68	1,714	7,500	12,296	7.2	7,067	1,908	3,329
69	256	3,694	4,928	19.2	95	1,235	1,324
70	700	4,899	4,898	7.0	401	1,304	1,386
71	266	1,402	0	0	0	370	0
72	3,074	3,864	3,705	1.2	14,798	634	634
114 ⁵	1,798	31	52	0.03	0	0	0
Rest of Oahu	326,755	305,657	360,483	1.1	103,114	71,553	90,842
73	1,465	10,564	11,901	8.1	10,170	1,557	2,152
74	1,180	9,086	7,850	6.6	28,907	756	752
75	5,903	11,424	10,637	1.8	1,293	2,506	2,486
76	163	2,934	3,071	18.8	104	727	811
77	2,199	9,632	10,265	4.7	1,378	2,347	2,677
78	9,162	5,695	9,742	1.1	938	1,740	3,432
79	647	762	654	1.0	4	2	2
80	4,851	24,329	27,566	5.7	2,316	5,821	7,084
81	1,061	3,535	3,422	3.2	860	614	732
82	1,780	0	0	0	147	0	0

Table 7.—AREA, POPULATION AND HOUSING UNITS, FOR OAHU, BY CENSUS TRACTS: 1970 AND 1975 (continued)

Census tract	Land area ¹ (acres)	Resident population		Persons per acre, 1975 ²	Employment (by place of work), 1970 ³	Housing units	
		April 1, 1970	July 1, 1975 ²			April 1, 1970 ⁴	July 1, 1975 ⁵
83	3,172	4,759	8,698	2.7	80	1,200	2,343
84	4,211	7,801	7,571	1.8	1,565	1,932	1,999
85	3,671	3,187	3,751	1.0	3,380	574	854
86	32,063	8,340	10,478	0.3	5,426	2,016	2,706
87	962	12,705	13,712	14.2	1,974	3,080	3,567
88	688	3,429	3,690	5.4	865	806	926
89	32,783	14,117	29,813	0.9	3,372	3,778	8,196
90	7,705	2,783	3,509	0.4	1,201	498	692
91	8,276	3,410	3,550	0.4	1,876	614	713
92	754	6,637	6,800	9.0	501	1,736	1,899
93	304	4,875	4,877	16.0	1,770	1,469	1,587
94	414	6,048	6,528	15.8	648	1,778	2,043
95	8,039	13,576	19,921	2.5	11,348	2,547	3,084
96	16,965	13,654	13,856	0.8	1,580	2,856	3,219
97	7,667	6,020	8,333	1.1	1,047	1,565	2,327
98	13,877	4,403	5,307	0.4	297	1,212	1,560
99	23,415	7,346	7,839	0.3	1,944	2,045	2,343
100	47,119	1,825	1,701	0.04	760	515	534
101	19,379	3,497	4,135	0.2	748	1,117	1,452
102	24,014	7,065	7,123	0.3	696	1,769	2,129
103	17,225	10,909	14,527	0.8	414	2,809	3,994
104	277	618	213	0.8	0	7	7
105	1,450	12,494	14,018	9.7	2,152	3,065	3,701
106	790	8,332	8,260	10.4	795	2,005	2,123
107	1,488	6,086	6,696	4.5	491	1,682	1,990
108	2,718	7,860	11,312	4.2	6,767	1,212	1,531
109	1,115	14,622	14,236	12.8	1,645	3,773	3,914
110	7,345	3,957	4,116	0.6	397	953	1,063
111	2,479	13,355	15,324	6.2	2,163	3,281	4,036
112	864	7,209	7,046	8.2	230	2,101	2,192
113	7,115	6,777	8,435	1.2	865	1,488	1,990

¹The revised Oahu total (including the Northwestern Hawaiian Islands) is 381,248 acres.

²Provisional estimates; accuracy generally limited to two significant figures.

³Estimated by the Hawaii State Department of Transportation, Advance Transportation Planning Office.

⁴Data differ in some instances from census totals; for discussion, see source.

⁵Includes the Northwestern Hawaiian Islands, from Nihoa to Kure Atoll but exclusive of the Midway Islands.

Source: Hawaii State Census Statistical Areas Committee, *Population and Housing Units Estimates for Oahu Census Tracts, 1970-1975* (Report CTC-32, April 26, 1976); unpublished estimates of employment by place of work, supplied by the Hawaii State Department of Transportation, Statewide Transportation Planning Office.

Table 8.—POPULATION CENTERS AND MEDIANS: 1920 TO 1975

Measure, area, and year	Location	Movement since preceding date
Center:¹		
State, 1960	Kaiwi Channel, 7 mi. SE of Makapuu Point .....	...
State, 1970	Kaiwi Channel, 3½ mi. SE of Halona Blow Hole	4 mi. WNW
Hawaii Co., 1970 ...	15 mi. W of Hilo, 11 mi. SE of Mauna Kea .....	...
Maui Co., 1970	1 mi. N of Iao Needle .....	...
Oahu, 1970	Tripler General Hospital .....	...
Kauai Co., 1970 ...	7½ mi. N of Koloa, 3½ mi. SSE of Kawaikini .....	...
Median for Oahu:²		
1920	School and Liliha Streets, Honolulu .....	...
1930	School St. between Liliha and Lanakila Streets	800 ft. NW
1940	Liliha St. and Kellett Lane	1,000 ft. E
1950	Liliha and Kuakini Streets	200 ft. NE
1960	Alewa Dr. and Aulii St.	3,900 ft. NE
1970	Nihi and Moani Streets, Kalihi	5,300 ft. NW
1975	Southeast end of Kilohana St., Kalihi	1,500 ft. SW

¹The "center of population" is that point which may be considered the center of population gravity of the State, or that point upon which the State would balance if it were a rigid plane without weight and the population distributed thereon with each individual being assumed to have equal weight and to exert an influence on a central point proportional to his distance from that point. The center of population thus differs from the geographic center, which is based on the distribution of land area rather than population; the geographic center of the State, according to the National Oceanic and Atmospheric Administration, "is about 29 miles west of the village of Honoipu near the northern tip of the Island of Hawaii and 24 miles south of Kanahena Point on the southern shore of the Island of Maui."

²The population median is defined as the intersection of a line bisecting the population north and south with a line bisecting it east and west. This means that half of the population lives north of the point, and half, south; half lives east of the point, and half, west. It is the point which, if everyone living on Oahu made a single trip to it, traveling in a straight line, would require the fewest man-miles of travel. In practice, of course, trip distances are determined by topography and highway locations.

Source: U.S. Bureau of the Census, *Centers of Population for States and Counties* (1974), pp. 3, 66, and Hawaii map; Hawaii State Census Statistical Areas Committee, *Population and Housing Unit Estimates for Oahu Census Tracts, 1970-1975* (Report CTC-32, April 26, 1976), table 6; U.S. Department of Commerce, News Release NOS 73-80 (October 10, 1973).

Table 9.—ILLUSTRATIVE PROJECTIONS OF TOTAL RESIDENT POPULATION: 1970 TO 2020
(Data include armed forces stationed in Hawaii but exclude visitors present.)

Series, ¹ age, and county	1970 ²	1980	1985	1990	1995	2000	2010	2020
TOTAL POPULATION								
D-2 ³	769,913	932,900	1,036,300	1,150,100	1,270,900	1,400,500	1,722,800	2,151,800
E-2 ⁴	769,913	930,000	1,027,600	1,131,700	1,238,700	1,349,200	1,606,100	1,927,400
E-1 ⁵	769,913	926,900	1,017,400	1,109,200	1,197,800	1,282,600	1,461,500	1,660,000
F-0 ⁶	769,913	845,600	882,900	913,700	935,000	946,900	960,000	967,300
AGE (E-2)⁴								
Under 5 years	70,951	85,300	96,900	104,400	107,600	111,500	133,000	159,200
5 to 9 years	80,008	76,200	89,000	101,400	109,800	114,000	128,500	157,000
10 to 14 years	79,971	76,000	79,500	92,600	106,000	115,200	126,300	151,600
15 to 19 years	71,993	84,400	78,900	82,900	96,500	110,500	126,100	144,300
20 to 24 years	81,732	108,300	111,900	107,500	112,700	127,500	154,200	170,200
25 to 34 years	107,314	155,800	184,100	200,200	201,600	204,600	259,500	310,800
35 to 44 years	95,727	105,500	128,000	155,700	184,600	201,800	209,200	267,000
45 to 54 years	84,418	90,000	87,300	101,100	123,500	151,100	197,300	207,200
55 to 64 years	53,816	77,700	85,800	83,800	81,700	94,600	141,000	184,100
65 to 74 years	29,543	46,600	56,400	66,300	72,500	70,300	79,000	117,200
75 years and over	14,440	24,300	29,900	36,000	42,300	48,100	52,100	58,800
COUNTIES (E-2)⁴								
City & Co. of Honolulu	630,528	749,500	818,700	891,000	965,000	1,039,400	1,221,200	1,436,000
County of Hawaii	63,468	83,800	97,700	113,400	130,000	146,900	185,700	240,700
County of Kauai	29,761	36,700	41,300	46,100	50,700	55,400	64,400	76,500
County of Maui	46,156	60,100	69,900	81,200	93,000	107,600	134,700	174,200

¹These projections were prepared by the "cohort-component" technique, using three assumptions on future fertility, three on net migration, and one on mortality. The fertility assumptions are indicated by letters comparable to those used in a recent study by the Bureau of the Census, and are based on a completed cohort fertility rate (i.e., the average number of births per 1,000 women upon completion of childbearing) that will move gradually toward the following levels: Series D, 2,500, about the same as the United States and also the civilian population of Hawaii in 1970; Series E, 2,100, or approximately the replacement level; Series F, 1,800. The migration assumptions are indicated by numbers: 0, zero net migration for the civilian population, exclusive of military dependents; 1, a continuation of the 1970-1973 annual rate, in which civilian net in-migration averaged 34.3 per million U.S. population; 2, a gradual doubling, by 2020, of the 1970-1973 annual rate. All series assume a gradual convergence between the 1968-1972 age-sex-specific mortality rates observed for Hawaii and those projected by the Bureau of the Census for the nation as a whole after 2000.

²Census count, as revised.

³Based on high fertility and an increasing net in-migration rate.

⁴Based on intermediate fertility and an increasing net in-migration rate. This series is the one most consistent with recent employment projections obtained by the Department of Planning and Economic Development from its input-output model.

⁵Based on intermediate fertility and a constant net in-migration rate, both close to the Hawaii rates of the early 1970's.

⁶Based on low fertility and zero net in-migration, and generally consistent with the recommendations of the Temporary Commission on Population Stabilization as submitted to the 1972 State Legislature.

Source: Hawaii State Department of Planning and Economic Development, *The Population of Hawaii, 1958-2025* (Statistical Report 114, May 5, 1976), pp. 24-26 and 35.

Table 10.—AGE AND SEX, BY COUNTIES: 1970

(Revised from 1970 census tabulations to take account of later corrections and apparent overstatement of centenarians.)

Age	State total			City & Co. of Honolulu		County of Hawaii		County of Kauai		County of Maui	
	Both sexes	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All ages	769,913	399,908	370,005	327,744	302,784	32,898	30,570	15,556	14,205	23,710	22,446
Under 1 year	15,191	7,837	7,354	6,559	6,138	582	564	274	261	422	391
1 year	13,680	6,946	6,734	5,748	5,594	492	509	278	240	428	391
2 years	13,310	6,848	6,462	5,726	5,367	519	490	228	245	375	360
3 years	13,868	7,162	6,706	5,877	5,548	559	510	303	243	423	405
4 years	14,902	7,534	7,368	6,193	6,091	628	593	290	267	423	417
5 years	15,572	7,989	7,583	6,636	6,274	608	575	301	305	444	429
6 years	16,157	8,270	7,887	6,854	6,520	617	603	334	314	465	450
7 years	16,167	8,253	7,914	6,768	6,540	661	599	325	295	499	480
8 years	16,194	8,396	7,798	6,874	6,382	671	659	340	289	511	468
9 years	15,918	8,168	7,750	6,670	6,346	680	629	332	301	486	474
10 years	16,833	8,661	8,172	7,082	6,625	728	660	347	350	504	537
11 years	16,077	8,193	7,884	6,698	6,427	716	637	291	344	488	476
12 years	15,812	8,092	7,720	6,540	6,221	739	695	303	329	510	475
13 years	15,530	7,901	7,629	6,330	6,188	756	658	331	315	484	468
14 years	15,719	8,023	7,696	6,385	6,077	762	736	346	360	530	523
15 years	15,078	7,739	7,339	6,202	5,789	758	733	304	310	475	507
16 years	14,545	7,431	7,114	5,910	5,648	736	699	285	278	500	489
17 years	14,641	7,467	7,174	5,886	5,687	703	647	357	329	521	511
18 years	13,747	7,239	6,508	6,022	5,401	572	573	241	179	404	355
19 years	13,982	7,476	6,506	6,579	5,512	444	511	143	138	310	345
20 years	16,739	9,758	6,981	8,970	6,114	357	419	142	160	289	288
21 years and over . . .	450,251	234,525	215,726	191,235	176,295	19,610	17,871	9,461	8,353	14,219	13,207
Under 5 years	70,951	36,327	34,624	30,103	28,738	2,780	2,666	1,373	1,256	2,071	1,964
5 to 9 years	80,008	41,076	38,932	33,802	32,062	3,237	3,065	1,632	1,504	2,405	2,301
10 to 14 years	79,971	40,870	39,101	33,035	31,538	3,701	3,386	1,618	1,698	2,516	2,479
15 to 19 years	71,993	37,352	34,641	30,599	28,037	3,213	3,163	1,330	1,234	2,210	2,207
20 to 24 years	81,732	46,909	34,823	42,996	30,695	1,804	1,906	787	829	1,322	1,393
25 to 29 years	59,583	30,420	29,163	26,434	25,042	1,855	1,775	837	894	1,294	1,452
30 to 34 years	47,731	23,895	23,836	20,565	20,156	1,471	1,621	753	849	1,106	1,210
35 to 39 years	46,781	23,131	23,650	19,659	19,634	1,628	1,875	770	850	1,074	1,291
40 to 44 years	48,946	23,798	25,148	19,384	20,561	2,048	2,110	956	926	1,410	1,551
45 to 49 years	46,296	23,394	22,902	18,722	18,407	2,083	2,072	1,026	949	1,563	1,474
50 to 54 years	38,122	19,655	18,467	15,291	14,441	1,948	1,801	886	866	1,530	1,359
55 to 59 years	30,399	17,069	13,330	12,592	10,104	1,956	1,461	1,029	683	1,492	1,082
60 to 64 years	23,417	13,817	9,600	9,499	7,141	1,904	1,118	1,008	500	1,406	841
65 to 69 years	17,691	9,689	8,002	6,639	5,896	1,373	955	695	484	982	667
70 to 74 years	11,852	5,791	6,061	3,933	4,577	835	676	387	319	636	489
75 to 79 years	7,031	3,066	3,965	2,081	2,932	476	461	223	186	286	386
80 to 84 years	4,604	2,369	2,235	1,552	1,661	389	283	165	105	263	186
85 years and over . . .	2,805	1,280	1,525	858	1,162	197	176	81	73	144	114
Under 18 years	275,194	140,910	134,284	114,938	109,462	11,915	11,196	5,569	5,375	8,488	8,251
62 years and over . . .	56,955	29,763	27,192	20,134	20,236	4,352	3,166	2,158	1,464	3,119	2,326
65 years and over . . .	44,043	22,255	21,788	15,063	16,228	3,270	2,551	1,611	1,167	2,311	1,842

Source: U.S. Bureau of the Census, unpublished computer printout transmitted to Federal-State Cooperative Program participants, December 4, 1974.

Table 11.—AGE OF THE POPULATION: 1970 TO 1975

Age	April 1, 1970 ¹	July 1, 1974 ²	July 1, 1975 ³	Percent distribution			Percent change, 1970-75 ³
				1970 ¹	1974 ²	1975 ³	
All ages	769,913	854,000	865,000	100.0	100.0	100.0	12.4
Under 5 years	70,951	75,000	75,000	9.2	8.8	8.7	5.7
5 to 17 years	204,243	209,000	207,000	26.5	24.5	23.9	1.3
18 to 44 years	312,502	354,000	361,000	40.6	41.5	41.7	15.5
45 to 64 years	138,234	162,000	165,000	18.0	19.0	19.1	19.4
65 years and over ...	43,983	54,000	57,000	5.7	6.3	6.6	29.6
14 years and over ...	554,702	638,000	652,000	72.0	74.7	75.4	17.5
18 years and over ...	494,719	570,000	583,000	64.3	66.7	67.4	17.8
21 years and over ...	450,251	510,000	522,000	58.5	59.7	60.3	15.9

¹U.S. Census of Population, 1970, as corrected for omissions in original reports and adjusted for overstatement of centenarians.

²Revised estimates.

³Provisional estimates.

Source: U.S. Bureau of the Census, "Estimates of the Population of States, by Age: July 1, 1974 and 1974 (Advance report)," *Current Population Reports, Population Estimates and Projections*, Series P-25, No. 619, January 1976.

Table 12.—ETHNIC STOCK: 1853 TO 1970

Ethnic stock	Old definition ¹						New definition ²	
	1853	1878	1900	1920	1940	1960	1970	Percent
All groups ³	73,137	57,985	154,001	255,912	423,330	632,772	768,559	100.0
Hawaiian	70,036	44,088	29,799	23,723	14,375	11,294	71,274	9.3
Part Hawaiian	983	3,420	9,857	18,027	49,935	91,109	—	—
Caucasian ⁴	1,687	3,748	26,819	54,742	112,087	202,230	301,429	39.2
Chinese	364	6,045	25,767	23,507	28,774	38,197	52,375	6.8
Filipino	5	—	—	21,031	52,569	69,070	95,354	12.4
Indian	—	—	—	—	—	472	1,216	0.2
Japanese	—	—	61,111	109,274	157,905	203,455	217,669	28.3
Korean	—	—	—	4,950	6,851	—	9,625	1.3
Negro	—	—	233	348	255	4,943	7,517	1.0
Other groups ⁵	62	684	415	310	579	12,002	12,100	1.6

¹Part Caucasians classified by race of non-Caucasian parent; other persons of mixed race (except Part Hawaiians) classified by race of father. Data for 1853-1900 partly estimated.

²Persons of mixed race classified either by self-identification or by race of father.

³Final totals (not available by race) were 255,881 in 1920, 422,770 in 1940, and 769,913 in 1970.

⁴"White" in 1960 and 1970. Includes Puerto Ricans (5,602 in 1920 and 8,296 in 1940).

⁵Includes Filipinos in 1878 and 1900, Japanese and Negroes before 1900, Koreans in 1960 and before 1920, American Indians before 1960, and Micronesians, Samoans, and other groups not shown separately in all years.

Source: Andrew W. Lind, *Hawaii's People*, 3d ed. (1967), p. 28; Robert C. Schmitt, *Demographic Statistics of Hawaii: 1778-1965* (1968), pp. 74 and 120; *U.S. Census of Population: 1960*, Final Report PC(1)-13B, table 15, and Final Report PC(2)-1C, table 61; *U.S. Census of Population: 1970*, Final Report PC(1)-D13, tables 138 and 139.

Table 13.—ETHNIC STOCK BY MILITARY STATUS: 1972-1974

(Excludes persons in institutions or military barracks, or on Niihau. Based on a sample survey of 58,779 persons.)

Ethnic stock	Total		Armed forces	Military dependents	Other civilians
	Number	Percent			
All groups	806,117	100.0	32,978	78,613	694,526
Unmixed	602,511	74.7	31,952	70,742	499,817
Caucasian	230,863	28.6	27,326	59,348	144,189
Japanese	220,086	27.3	906	1,878	217,302
Chinese	34,508	4.3	131	340	34,068
Filipino	82,055	10.2	1,624	4,358	76,073
Hawaiian	8,495	1.0	65	43	8,386
Korean	6,796	0.8	16	384	6,397
Negro	5,452	0.7	1,481	3,127	844
Puerto Rican	4,750	0.6	103	139	4,508
Samoaan	6,262	0.8	109	386	5,766
Other unmixed ¹	3,244	0.4	190	739	739
Mixed	203,606	25.3	1,026	7,871	194,709
Part Hawaiian	140,238	17.4	558	3,048	136,632
Non Hawaiian	63,368	7.9	469	4,823	58,077

¹Includes persons not reporting their ethnic stock.

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation. Totals and sub-totals independently rounded.

Table 14.—PLACE OF BIRTH AND RESIDENCE: 1960 AND 1970

Place of birth and residence	1960	1970
Living in Hawaii	632,772	768,559
Native born	563,875	692,964
Hawaii	421,168	455,060
Mainland United States	128,992	178,531
U.S. territory or possession	2,227	4,014
Born abroad or at sea of native parents	2,738	13,272
State of birth not reported	8,750	42,087
Foreign born	68,897	75,595
China and Taiwan	3,541	4,663
Japan	24,658	19,685
Korea	1,124	2,063
Philippines	28,649	33,175
All other	10,925	16,009
Living in Mainland U.S., born in Hawaii	115,070	179,735

Source: U.S. Census of Population: 1960, Final Report PC(1)-13D, tables 98 and 99, and Final Report PC(2)-2A, table 11; U.S. Census of Population: 1970, Final Report PC(1)-D13, tables 140 and 141, and Final Report PC(2)-2A, table 2.

Table 15.—CITIZENSHIP: 1950 AND 1970

Citizenship	1950	1970
Total	499,769	768,561
Citizen	433,324	725,549
Native	423,153	694,983
Naturalized	10,171	30,566
Alien	65,610	43,012
Citizenship not reported	835	—

Source: U.S. Census of Population: 1950; Bulletin P-C52, table 32; U.S. Census of Population: 1970, Final Report PC(1)-D13, table 143.

Table 16.—ALIEN ADDRESS CARDS RECEIVED FROM PERSONS RESIDING IN HAWAII, BY NATIONALITY: 1959 TO 1976

Year	Total	Philippines	Japan and Ryukyu Is.	China and Taiwan	Korea	All others ¹
1959	52,389	(NA)	(NA)	(NA)	(NA)	(NA)
1960	51,316	(NA)	18,832	(NA)	(NA)	(NA)
1961	50,101	(NA)	17,949	(NA)	(NA)	(NA)
1962	49,196	(NA)	16,857	(NA)	(NA)	(NA)
1963	48,025	21,624	19,182	1,506	680	5,033
1964	47,616	21,724	18,459	1,351	751	5,331
1965	46,352	20,449	18,047	1,383	880	5,593
1966	45,794	19,678	17,780	1,368	893	6,075
1967	46,998	21,315	16,975	1,499	914	6,295
1968	47,882	22,159	16,388	1,640	944	6,751
1969	49,642	23,410	15,850	1,750	1,005	7,627
1970	53,003	26,311	15,351	2,213	1,138	7,990
1971	57,187	29,116	15,099	2,167	1,483	9,322
1972	60,898	31,210	15,271	2,421	2,154	9,842
1973	63,034	32,183	15,125	2,446	2,906	10,374
1974	64,430	32,414	14,981	2,277	3,753	11,005
1975	65,339	31,439	14,555	2,591	4,726	12,028
1976	68,164	31,961	13,844	2,730	5,427	14,202

NA Not available.

¹Nationalities over 1,000 in 1976 included United Kingdom (2,632), Vietnam (2,014), Canada (1,738), and unknown (1,700). Source: U.S. Immigration and Naturalization Service, *Annual Report* and tabular releases.

Table 17.—MOTHER TONGUE: 1970

(Based on replies to the question, "What language, other than English, was spoken in this person's home when he was a child?" This tabulation was made from a one-percent sample and the results are hence subject to considerable sampling variation.)

Mother tongue	Persons
Total population ¹	768,300
English	447,200
German	5,700
Portuguese	9,300
Spanish	13,300
Other European languages	10,400
Chinese, Cantonese, or Taiwanese	26,900
Korean	6,200
Japanese	116,900
Ilocano, Tagalog, or other Filipino tongues	50,200
Hawaiian	18,700
Other Polynesian ² , Melanesian, or Micronesian	4,200
Other languages	13,200
Not reported	46,100

¹The final census count for Hawaii was 769,913.

²Includes Samoan, Tahitian, Tongan, and other Polynesian languages, except Hawaiian.

Source: East-West Population Institute, special tabulation of 1970 Census Public Use Sample for Hawaii.

Table 18.—HOUSEHOLD AND FAMILY CHARACTERISTICS: 1960 TO 1972

Subject	1960	1970 ¹	1972
RELATIONSHIP TO HEAD OF HOUSEHOLD			
All persons	632,772	768,561	(NA)
In households	592,807	730,095	787,051
Head of household	153,064	203,088	228,895
Wife of head	112,452	147,818	(NA)
Child under 18 of head	226,103	250,208	(NA)
Other child of head	87,858	{ 56,122	(NA)
Other relative of head		{ 53,837	(NA)
Not related to head	13,330	19,022	(NA)
In group quarters	39,965	38,466	(NA)
Inmate of institution	4,621	3,854	(NA)
Military barracks and other	35,344	34,612	(NA)
Persons per household	3.87	3.59	3.44
FAMILY CHARACTERISTICS			
Families	130,871	170,358	188,880
Husband-wife families	113,164	147,818	(NA)
Families with female head	11,842	15,871	(NA)
Other families	5,865	6,669	(NA)
Unrelated individuals	67,996	83,093	(NA)
Persons per family	4.29	3.98	3.92
Married couples	120,192	154,678	179,251
With own household	112,937	147,326	(NA)
Without own household	7,255	7,352	(NA)
Percent without own household	6.0	4.8	(NA)

NA Not available.

¹Excludes 1,352 persons not tabulated by household or family status.

Source: *U.S. Census of Population: 1960*, Final Report PC(1)-13B, table 19, Final Report PC(1)-13C, table 50, and PC(1)-13D, table 110; *U.S. Census of Population: 1970*, Final Report PC(1)-B13, table 22, and PC(1)-C13, tables 52 and 57; Hawaii State Department of Health and Department of Planning and Economic Development, *Population Characteristics of Hawaii, 1972* (Population Report, No. 2, October 1974), pp. 8-9.

Table 19.—HOUSEHOLDS: 1960 TO 1975

Subject	Number
Total households:	
July 1, 1975 (provisional)	246,000
July 1, 1974	242,000
April 1, 1970 (census)	203,088
April 1, 1960 (census)	153,064
Change, 1970 to 1975	43,000
Percent	+21.2
Average annual percent of change: ¹	
1970 to 1975	+3.7
1960 to 1970	+2.8
Husband-wife households:	
July 1, 1975 (provisional)	168,000
July 1, 1974	168,000

¹Computed by the formula for continuous compounding.

Source: U.S. Bureau of the Census, "Estimates of the Number of Households for States: July 1, 1974 and 1975," *Current Population Reports, Population Estimates and Projections*, Series P-25, No. 623, April 1976.

Table 20.—MARITAL STATUS, BY SEX: 1960 AND 1970

Marital status	1960		1970	
	Male	Female	Male	Female
Total, 14 years and over	232,805	193,684	289,176	264,612
Single	84,965	44,376	104,625	68,009
Married, except separated	132,868	127,390	167,778	164,190
Separated	1,553	1,138	2,142	2,406
Widowed	7,075	15,099	6,433	19,909
Divorced	6,344	5,681	8,198	10,098
Single, widowed, or divorced	98,384	65,156	119,256	98,016

Source: *U.S. Census of Population: 1960*, Final Report PC(1)-13B, table 18; *U.S. Census of Population: 1970*, Final Report PC(1)-B13, table 22.

Table 21.—CHURCHES AND CHURCH MEMBERSHIP: 1972
 (Estimates based on a telephone and mail survey by the Department of Religion, University of Hawaii. Definitions differ from group to group and hence are not directly comparable.)

Denominational group	Denominations	Churches	Membership ¹
All denominational groups	80+	834+	543,796+
Buddhist	16	99+	121,460
Honpa Hongwanji	1	38	30,000
Nichiren Shoshu	1	(NA)	28,800
Todaiji Mission	1	(NA)	30,000
Other Buddhist groups	13	59+	32,660
Christian	41+	632+	349,644+
Roman Catholic	1	69	220,000
Protestant	20+	378+	82,843
Episcopal	1	41	13,384
Hoomana oke Akua ole	1	(NA)	10,000
Southern Baptist	1	45	9,500
United Church of Christ	1	110	17,997
Other Protestant, 500 members or more	15	159+	30,221
Other Protestant, fewer than 500 members	(NA)	22	1,741
Holiness faiths	10	58+	5,075+
Metaphysical Christian	3	6	834
Church of the Latter Day Saints ²	2	57	31,050
Jehovah's Witnesses	1	41	6,500
Other Christian groups	4	23	3,342+
Jewish	2	2	1,072
Shinto	5	8+	43,500+
Daijingu Temple of Hawaii	1	4	40,000
Other Shinto groups	4	4+	3,500+
New religious movements ³	7	56	16,340
Tensho Kotai Jingu Kyo (Dancing Goddess)	1	15	7,120
Other groups	6	41	9,220
Church of Scientology	1	1	9,000
Other religious faiths ⁴	8	36+	2,780

NA Not available.

¹As estimated by church central offices on Oahu. Totals and subtotals include duplication caused by multiple membership.

²Includes Church of the Latter Day Saints Reorganized.

³Primarily of Japanese derivation.

⁴Baha'i, Hare Krishna, Holy Order of Mans, indigenous Hawaiian, Ramakrishna Vedanta, Subud, and Unitarian.

Source: Compilation by E. M. and M. E. McCrath, Department of Religion, University of Hawaii, in the Department of Geography, University of Hawaii, *Atlas of Hawaii* (1973), p. 125.

Table 22.—COMPONENTS OF CHANGE IN THE CIVILIAN POPULATION: 1960 TO 1970 AND 1970 TO 1975

Subject	April 1, 1960 to March 31, 1970			April 1, 1970 to June 30, 1975		
	Civilian population	Military dependents	Other civilians	Civilian population	Military dependents	Other civilians
Net change	+133,937	+1,801	+132,136	+91,400	+1,800	+89,500
Natural increase	126,161	42,351	83,810	60,200	18,800	41,500
Percent	94.2	...	63.4	65.9	...	46.4
Births	163,762	43,908	119,854	81,900	19,600	62,300
Deaths	37,601	1,557	36,044	21,700	800	20,900
Military separations						
less inductions	-4,120	—	-4,120	+3,200	—	+3,200
Net in-migration	+11,896	-40,550	+52,446	+27,900	-16,900	+44,900
Percent	8.9	...	39.7	30.5	...	50.2
In-migrants ¹	(NA)	(NA)	192,541	(NA)	(NA)	149,200
From U.S.	(NA)	(NA)	156,025	(NA)	(NA)	111,700
Aliens	(NA)	(NA)	36,516	(NA)	(NA)	37,500
Out-migrants ¹	(NA)	(NA)	140,095	(NA)	(NA)	104,400

NA Not available.

¹ Excludes persons moving to or from U.S. territories and possessions.

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's In-Migrants, 1971* (Statistical Report 89, April 10, 1972), pp. 17-18, and *The Population of Hawaii, 1975* (Statistical Report 113, April 21, 1976), p. 9.

Table 23.—INTENDED RESIDENTS ARRIVING IN HAWAII FROM THE MAINLAND UNITED STATES: 1958 TO 1975

Calendar year	Number arriving, by military status				Persons per party	High status ¹ (percent)	Median age (years)	From West Coast ² (percent)
	Total	Military personnel	Military dependents	Other civilians				
1958 ³	16,412	2,440	13,972		2.12	56.9	22.4	36.3
1959 ³	18,374	2,506	15,868		1.67	57.1	23.6	37.7
1960 ³	15,030	2,088	12,942		1.50	57.1	24.6	40.4
1961 ³	16,720	3,146	3,128	10,446	1.49	59.0	23.6	39.8
1962 ³	21,070	3,092	6,298	11,680	1.71	64.1	24.0	35.7
1963 ³	20,200	2,893	5,453	11,854	1.67	68.9	22.9	37.7
1964 ³	24,030	5,042	6,037	12,951	1.55	63.4	23.4	31.7
1964 ⁴	27,446	5,782	6,899	14,765	1.55	63.4	23.4	31.7
1965	28,973	9,697	5,732	13,544	1.43	65.3	23.2	30.7
1966	32,031	9,655	5,640	16,736	1.43	67.3	23.8	34.3
1967	44,117	14,496	8,702	20,919	1.43	59.9	23.8	33.4
1968	42,236	12,655	7,619	21,962	1.43	68.3	24.1	38.8
1969	41,162	12,198	8,336	20,628	1.45	61.9	24.0	41.2
1970	40,073	8,561	7,129	24,383	1.44	65.6	24.4	42.8
1971	41,562	9,355	8,649	23,558	1.48	64.2	24.3	38.6
1972	44,388	10,267	11,637	22,484	1.57	64.7	24.1	35.1
1973	36,886	9,200	6,180	21,506	1.40	61.6	24.2	39.1
1974	37,007	9,421	8,744	18,842	1.53	67.4	24.2	42.4
1975	39,233	10,006	10,887	18,340	1.58	67.3	23.6	35.1

¹Party heads classified as professional, technical, business, managerial, or official as a percent of all party heads reporting civilian occupations.

²Persons from California, Oregon, or Washington State as a percent of all persons reporting previous residence.

³Excludes passengers not reporting migration status, and thus not comparable to adjusted figures for 1964 and later years.

⁴Includes estimates for passengers not reporting migration status, and thus comparable to data for later years.

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's In-Migrants* (annual).

Table 24.—IMMIGRANTS ADMITTED AND PERSONS NATURALIZED: 1958 TO 1975

Years ended June 30	Immigrants admitted to the United States, reporting Hawaii as their State of intended permanent residence, by country of birth							Persons naturalized
	Total	Canada	China and Taiwan	Japan and Ryukyu I.	Korea	Philippines	Other countries ¹	
1958	1,407	(?)	91	484	(?)	(?)	832	1,220
1959	1,616	153	153	435	(?)	(?)	875	1,111
1960	1,619	229	101	360	(?)	(?)	929	2,377
1961	1,762	218	123	349	(?)	530	542	1,668
1962	2,048	240	109	348	(?)	776	575	1,534
1963	1,767	210	121	314	(?)	569	553	1,629
1964	1,623	249	96	281	(?)	455	542	1,542
1965	1,721	312	92	261	(?)	447	609	1,319
1966	3,070	273	322	344	(?)	1,352	779	1,625
1967	3,825	135	327	382	(?)	2,147	834	1,902
1968 ³	4,693	159	238	186	91	3,033	986	1,601
1969	5,199	127	389	317	284	3,181	901	1,607
1970	9,013	90	423	363	596	6,426	1,115	2,658
1971	6,055	81	271	409	568	3,704	1,022	2,135
1972	6,765	92	392	603	868	3,764	1,046	2,389
1973	6,881	64	455	544	1,305	3,179	1,334	2,099
1974	6,549	64	429	464	1,127	3,418	1,047	2,833
1975 ⁴	7,012	87	555	587	1,476	2,913	1,394	3,094

¹Includes Hong Kong (192 in 1975) and Vietnam (196 in 1975).

²Included with "other countries".

³Data for Korea and Japan cover only the six-month period ended December 31, 1967.

⁴Immigrant data exclude approximately 2,000 Vietnam refugees still in parole status at end of year.

Source: U.S. Immigration and Naturalization Service, *Annual Report* for 1958-1975 and records.

Table 25.—RESIDENCE ONE YEAR EARLIER, BY MILITARY STATUS: 1972-1974

(Excludes persons in institutions or military barracks, or on Niihau.

Based on a sample survey of 58,779 persons.)

Place of residence 1 year earlier	Total	Armed forces	Military dependents	Other civilians
Total	806,117	32,978	78,613	694,526
Same house	641,582	15,334	41,453	584,795
Different house, same island	94,341	8,423	13,668	72,250
Different island	6,393	88	222	6,083
Different state	41,176	7,472	17,456	16,248
Different country	9,175	1,661	2,254	5,260
Under 1 year old	13,450	—	3,560	9,890

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation.

SECTION 2

VITAL STATISTICS AND HEALTH

This section presents data on births, deaths, marriages, divorces, morbidity, dental health, hospitals, and health personnel.

Vital indices generally reflect the high health standards of Hawaii. Expectation of life at birth was 71.02 years for males, 76.79 years for females, and 73.60 for both sexes combined in 1969-1971; in no other state was life expectancy so great. The crude death rate in 1975 was only 5.3, half the 1930 level. Deaths under one year of age per 1,000 live births dropped from 82.3 in 1930 to 16.0 in 1974. Diseases of the heart have accounted for a third of all deaths in recent years; cancer, for one-fifth. The 1975 crude birth rate was 18.2, compared with 30.2 two decades earlier. Over 99 percent of all babies were born in hospitals, and a fourth were born to military couples. One out of ten births was illegitimate. There were 5,967 fetal deaths in 1975, including 4,180 elective abortions. Marriages numbered 9,669 in 1975, with about 15 percent accounted for by nonresidents. Divorces reached a 1974 total of 4,111. The State had 30 hospitals (with 4,304 beds) and 199 nursing and care homes (with 1,328 beds) when most recently surveyed. State licensing boards listed 2,158 physicians and surgeons, 740 dentists, 5,823 professional nurses, and 408 pharmacists in 1975. The most common communicable disease reported to authorities in 1974 was scarlet fever, with 6,309 cases. Dental health was only fair: the average number of decayed, missing or filled teeth when last surveyed was 6.85 for intermediate school students and 10.61 for those in high school.

Major sources for data on vital statistics and health are the annual statistical reports of the Hawaii State Department of Health and various publications of the U.S. Public Health Service. Section 2 of the *Statistical Abstract of the United States: 1975* contains similar data for the nation as a whole.

Table 26.—BIRTHS AND DEATHS: 1958 TO 1975
(Place of occurrence basis)

Calendar year	Births	Deaths ¹	Rates per 1,000 resident population		Rates per 1,000 live births		
			Births	Deaths ¹	Illegitimate births	Fetal deaths ²	Infant deaths ³
1958 ⁴	16,710	3,185	27.6	5.3	48.6	12.7	23.4
1959	17,050	3,374	27.4	5.4	51.6	15.3	24.0
1960	17,193	3,593	26.8	5.6	51.2	15.2	23.2
1961	17,558	3,428	26.7	5.2	57.6	14.2	21.7
1962	17,932	3,575	26.2	5.2	60.3	13.0	20.6
1963	17,744	3,709	26.0	5.4	64.1	11.9	22.5
1964	17,284	3,696	24.7	5.3	66.6	12.9	19.8
1965	16,259	3,764	23.1	5.3	72.4	14.4	21.5
1966	14,943	3,839	21.0	5.4	83.9	11.5	18.9
1967	14,765	3,973	20.4	5.5	87.5	13.7	16.9
1968	14,595	4,250	19.9	5.8	94.8	14.3	19.0
1969	15,690	4,214	20.9	5.6	96.6	13.7	19.2
1970	16,467	4,197	21.3	5.4	95.8	20.6	19.1
1971	15,845	4,351	19.9	5.5	88.4	23.5	16.0
1972	15,413	4,483	18.9	5.5	93.0	22.8	17.5
1973	15,358	4,579	18.3	5.4	104.0	16.4	13.7
1974	15,528	4,598	18.2	5.4	108.8	16.3	16.0
1975	15,770	4,575	18.2	5.3	(NA)	(NA)	(NA)

NA Not available.

¹Includes armed forces.

²20 weeks gestation and over. Includes elective abortions.

³Under 1 year of age.

⁴Preliminary.

Source: Hawaii State Department of Health, "Vital Statistics and Population of Hawaii, 1900 to 1973," *R & S Report*, No. 5 (June 1974); *Statistical Report* for 1973 and 1974; and records.

Table 27.—BIRTHS, DEATHS, AND BIRTH AND DEATH RATES, BY MILITARY STATUS: 1974 AND 1975
(Place of occurrence basis)

Military status	De facto population		Live births		Deaths		Birth rate ¹		Death rate ¹	
	1974	1975 ²	1974	1975 ²	1974	1975 ²	1974	1975 ²	1974	1975 ²
Total population	912,267	924,550	15,528	15,700	4,601	4,571	17.0	17.0		4.9
Armed forces	57,505	58,743	—	—	49	83	0	0	0	0
Civilians	854,762	865,807	15,528	15,700	4,552	4,488	18.2	18.1	5.3	5.2
Military dependents	68,324	63,706	3,774	3,821	164	153	55.2	60.0	2.4	2.4
Other civilians	786,438	802,101	11,754	11,879	4,388	4,335	14.9	14.8	5.6	5.4
Armed forces and dependents	125,829	122,449	3,774	3,821	213	236	30.0	31.2	1.7	1.9

¹Per 1,000 de facto population. For rates based on resident population, see the preceding table.

²Provisional.

Source: Population from the Hawaii State Department of Planning and Economic Development, *Statistical Report* 113 (April 21, 1976), table 1. Births and deaths from Hawaii State Department of Health, records.

Table 28.—CHARACTERISTICS OF BIRTHS AND DEATHS: 1964 TO 1974
(Place of occurrence basis)

Subject	1964	1973	1974
LIVE BIRTHS			
Number	17,284	15,358	15,528
Percent on Oahu	85.5	81.7	81.0
Males per 100 females	106.0	104.5	106.0
Percent attended by M.D. in hospital ¹	99.5	99.2	99.0
Percent with prenatal visit in first 3 months	46.5	66.4	69.3
Percent of mixed race ^{1,2}	38.5	42.8	43.2
Median age of mother (years) ¹	25.5	25.0	25.1
Percent first births to mother ¹	26.7	38.3	37.1
Median weight of single births (grams) ¹	3,204	3,260	3,210
Percent of births plural ¹	1.5	1.9	1.5
Percent of births premature (under 2,500 grams) ¹	8.4	7.0	7.1
Percent with one or more congenital malformations ¹	0.8	1.1	1.4
CIVILIAN DEATHS			
Number	3,638	4,509	4,598
Percent on Oahu	73.3	74.7	76.5
Males per 100 females ¹	160.4	155.3	157.0
Median age (years) ¹	64.5	67.2	66.7
Disposition (percent): Burial	57.5	51.4	49.2
Cremation	35.0	37.7	37.6
Removal	7.0	9.8	12.4
Other	0.5	1.1	0.8
INFANT AND FETAL DEATHS			
Infant deaths, under 1 year ¹	342	210	236
Infant deaths per 1,000 live births: ¹			
Under 1 day	10.0	7.4	7.5
Under 1 week	13.8	10.4	10.3
Under 1 month	14.8	11.1	11.4
Under 1 year	19.8	13.7	15.3
Fetal deaths, total ¹	1,200	6,117	5,764
Per 1,000 deliveries	65	283	271
Fetal deaths, 20 or more weeks gestation ¹	223	252	299
Elective abortions ¹	13	4,534	4,158
Per 1,000 live births	0.8	295	269

¹Place of residence basis for 1974.

²Includes Part Hawaiian. Base excludes births with unknown parentage.

Source: Hawaii State Department of Health, *Statistical Report* (annual) and records.

Table 29.—CAUSE OF DEATH: 1934 TO 1974
(Place of residence basis. Includes armed forces.)

Cause of death ¹	Number, 1974	Percent distribution			Rate per 100,000 population		
		1974	1964	1934	1974	1964	1934
All causes	4,286	100.0	100.0	100.0	506.2	510.2	899.0
Diseases of the heart	1,401	32.7	33.7	11.7	165.5	171.9	105.1
Malignant neoplasms	934	21.8	17.3	6.8	110.3	88.4	61.1
Cerebrovascular diseases	393	9.2	7.8	4.1	46.4	40.0	37.2
All accidents	238	5.6	5.9	7.2	28.1	30.1	65.1
Influenza and pneumonia	169	3.9	3.9	15.0	20.0	19.7	134.5
Certain diseases in early infancy	136	3.2	6.2	5.9	16.1	31.9	53.1
Diabetes mellitus	107	2.5	3.1	1.9	12.6	15.9	16.7
Suicide	95	2.2	1.7	1.7	11.2	8.9	14.8
Cirrhosis of liver	67	1.6	1.4	0.9	7.9	7.0	8.3
Congenital anomalies	62	1.4	2.2	1.6	7.3	11.1	14.3
Homicide	59	1.4	0.5	0.8	7.0	2.4	7.3
Other external causes	56	1.3	0.1	0	6.6	0.3	0
Bronchitis, emphysema, and asthma	55	1.3	1.9	0	6.5	9.7	0
Other diseases of arteries, etc.	45	1.0	1.2	0	5.3	5.9	0
Symptoms and ill-defined conditions	39	0.9	0.4	0.1	4.6	2.3	0.8
All other causes	430	10.0	12.7	42.3	50.8	64.7	380.7

NA Not available.

¹The leading causes of death in 1974, listed in order of deaths for that year.

²Includes armed forces.

Source: *Statistical Report, Department of Health, State of Hawaii, 1974*, p. 24.

**Table 30.—ACCIDENTS AND NATURAL DISASTERS CAUSING FIVE OR MORE DEATHS:
1779 TO 1975**

Category or year	All disasters		Worst disaster	
	Number	Deaths	Year or category	Deaths
All categories, 1779-1975	130	5,764	1941	2,500
Natural disasters	13	765	1790	400
Tsunami	5	287	1946	159
Flood, wind, or earth movement	7	78	1868	31
Volcano	1	400	1790	400
Fire or explosion	6	219	1944	163
Transportation ¹	104	2,108	1830	250
Marine	53	1,514	1830	250
Air	43	549	1955	66
Railroad	1	5	1916	5
Motor vehicle	7	40	1944, 1969	7
Violence ²	7	2,672	1941	2,500
Pearl Harbor attack	1	2,500	1941	2,500
Assault, murder, or riot	6	172	1790	100+
1779 to 1799	5	546	Volcano	400
1800 to 1849	10	381	Marine	250
1850 to 1899	20	488	Marine	210
1900 to 1949	57	3,784	Pearl Harbor	2,500
1950 to 1959	16	274	Air	66
1960 to 1969	10	183	Tsunami	61
1970	1	5	Auto	5
1971	3	35	Air	24
1972	2	28	Marine	20
1973	2	11	Air	6
1974	4	29	Air	11
1975	—	—	—	—

¹Includes ships or aircraft that sank, crashed or vanished elsewhere, if Hawaii was their next (or last) port of call, or if Hawaii was the first land reached by survivors.

²Includes the Pearl Harbor attack but excludes the wars of the late 18th and early 19th centuries and the Battle of Midway.

Source: Robert C. Schmitt, "Catastrophic Mortality in Hawaii," *The Hawaiian Journal of History*, Vol. 3 (1969), pp. 66-86, as corrected and up-dated to December 31, 1975.

Table 31.—AVERAGE LIFETIME IN YEARS, BY SEX: 1959-1961 AND 1969-1971

Period	Years			Rank ¹		
	Both sexes	Male	Female	Both sexes	Male	Female
1959-1961	71.55	69.79	74.01	7	(NA)	(NA)
1969-1971 ²	73.60	71.02	76.79	1	1	3

NA Not available.

¹ Among 50 States and D.C.

² Data differ somewhat from those in the following table, because of different period covered.

Source: U.S. Department of Health, Education, and Welfare, National Center for Health Statistics, *Life Tables: 1959-61*, Vol. 2, No. 12, *Hawaii State Life Tables: 1959-61* (June 1966), p. 160; *U.S. Decennial Life Tables for 1969-71*, Vol. II, No. 12, *Hawaii State Life Tables: 1969-71* (June 1975), p. 12-6; and unpublished tabulations.

Table 32.—ABRIDGED LIFE TABLE, BY SEX: 1969-1971

Age x	Probability of dying in interval following age x q_x		Survivors at exact age x l_x		Average number of years lived after exact age x (expectation of life) ¹ e_x	
	Male	Female	Male	Female	Male	Female
0	0.022737	0.016250	100,000	100,000	70.456	77.181
1	0.003089	0.003080	97,726	98,375	71.093	77.454
5	0.001524	0.001672	97,424	98,072	67.308	73.689
10	0.001846	0.001092	97,276	97,908	62.407	68.808
15	0.006087	0.002893	97,096	97,801	57.517	63.880
20	0.006977	0.002730	96,505	97,518	52.853	59.058
25	0.007391	0.002590	95,832	97,252	48.206	54.213
30	0.008488	0.006011	95,124	97,000	43.547	49.346
35	0.012718	0.008650	94,317	96,417	38.897	44.628
40	0.018885	0.009817	93,117	95,583	34.364	39.995
45	0.027847	0.015597	91,358	94,645	29.974	35.365
50	0.046749	0.027898	88,814	93,168	25.755	30.883
55	0.062402	0.036897	84,662	90,569	21.889	26.693
60	0.095102	0.049049	79,379	87,227	18.170	22.616
65	0.151000	0.086142	71,830	82,949	14.801	18.644
70	0.212720	0.135163	60,984	75,804	11.971	15.149
75	0.314555	0.204799	48,011	65,558	9.511	12.106
80	0.382856	0.312503	32,909	52,132	7.731	9.556
85	1.000000	1.000000	20,310	35,840	6.009	7.740

¹ Data differ somewhat from those in the preceding table, because of different period covered.

Source: Robert W. Gardner and Eleanor C. Nordyke, *The Demographic Situation in Hawaii*, Papers of the East-West Population Institute, No. 31 (June 1974), pp. 74-75.

Table 33.—HOSPITAL FACILITIES AND USE: 1963 TO 1973

Subject	Hospitals ¹			Nursing and care homes		
	1963	1972	1973	1963	1972	1973
Number of institutions	34	31	30	66	152	199
Beds	5,280	4,252	4,304	704	1,080	1,328
Bassinets	400	323	321	—	—	—
Percent occupancy	73	74	70	78	91	(NA)
Average patient occupancy	3,850	3,148	3,033	546	978	(NA)
Patient days (1,000)	1,405	1,149	1,129	199	357	(NA)
Patients admitted	82,383	89,797	94,464	406	599	(NA)
Average stay (days)	17.1	12.8	12.0	491	596	(NA)

NA Not available.

¹Excludes State Hospital for 1972 and Tripler Army Medical Center for all years. In the year ended June 30, 1974, Tripler had 750 beds, 19,863 admissions (excluding newborns), an average census of 534, and a daily average bed occupancy of 450.

Source: *Statistical Report, Department of Health, State of Hawaii* (annual); Headquarters Tripler Army Medical Center, records.

Table 34.—BEDS IN HOSPITALS AND CARE HOMES, BY TYPE AND ISLAND: 1973

Type of facility and bed	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
HOSPITALS¹							
All beds	4,304	475	317	10	71	3,117	314
General or acute	1,961	275	157	8	31	1,357	133
Matern.-gyn.	135	—	—	—	—	135	—
Pediatric	80	—	—	—	—	80	—
Mental	1,332	20	50	—	—	1,190	72
Tuberculosis	95	—	19	—	—	64	12
Orthopedic	40	—	—	—	—	40	—
Leprosy	40	—	—	—	40	—	—
Long-term	557	180	91	2	—	187	97
Rehabilitation	64	—	—	—	—	64	—
HOMES							
All types	1,328	28	21	—	7	1,202	70
Residential	688	16	21	—	7	574	70
Institutional	640	12	—	—	—	628	—

¹Excludes Tripler Army Medical Center (750 beds in 1974).

Source: Hawaii State Department of Health, *Statistical Report 1973*, pp. 93-94.

Table 35.—SELECTED LONG-TERM CONDITIONS: 1964 TO 1974

Subject	1964	1973	1974
Hawaii State Hospital:¹			
Total admissions	430	761	869
First admissions	294	367	402
Patients present:			
Annual average	998	229	251
June 30	931	235	297
Waimano Training School and Hospital:²			
First admissions	80	35	37
Inmates present:			
Annual average	836	717	694
June 30	841	705	696
Leprosy hospitals:³			
New admissions	12	11	3
Reactivated cases	7	6	—
Deaths	2	2	—
Active patients, Dec. 31	139	34	13
Hale Mohalu	68	19	5
Kalaupapa Settlement	71	15	8
Tuberculosis:³			
New cases reported	433	741	899
Active and probably active	280	303	364
Deaths	26	8	3
Active cases remaining on Tuberculosis Register, Dec. 31	388	307	365

¹The largest hospital for psychiatric patients in Hawaii. Data refer to years ended June 30.

²The only institution for the mentally deficient in Hawaii. Data refer to years ended June 30.

³Calendar year data.

Source: Hawaii State Department of Health, *Statistical Report* (annual), and records; Hawaii State Hospital, records; Waimano Training School and Hospital, records.

Table 36.—DENTAL HEALTH OF INTERMEDIATE AND HIGH SCHOOL STUDENTS ON OAHU: 1967-1968

Condition	Average		Age in years	Average number	
	Intermed. schools	High schools		Decayed teeth	Missing teeth
Decayed, missing, or filled teeth ...	6.85	10.61	12	1.60	0.12
			13	2.10	0.19
			14	2.70	0.34
Peridental index ¹	0.44	0.28	15	1.51	0.27
			16	1.26	0.32
			17	1.23	0.37
Oral hygiene index score ²	0.77	0.63	18	1.17	0.53

¹Based on scores of zero for no gum disease, one for mild gum inflammation around a portion of the tooth, two for gum inflammation surrounding the tooth, and up to eight for severe gum disorders.

²Based on fraction of tooth surfaces covered by debris: zero for no debris, one for 1/2, two for 2/3, and three for more than 2/3.

Source: Hawaii State Department of Health, Dental Health Division, *Report on Dental Decay, Gum Disease, and Oral Hygiene Status for Students in Intermediate and High Schools*, memorandum dated June 6, 1969.

Table 37.—SPECIFIED COMMUNICABLE DISEASES: 1964 TO 1974

Disease	Cases			Deaths		
	1964	1973	1974	1964	1973	1974
All reportable diseases	16,564	18,812	12,479	62	20	15
Chickenpox	1,806	1,547	769	—	—	1
Gonorrhea	577	2,408	2,923	—	—	—
Hepatitis, infect. & serum	110	154	221	2	1	5
Influenza	3,692	6,911	584	5	4	1
Leprosy	10	44	29	3	—	—
Measles (Rubeola)	928	22	68	—	—	—
Measles, German (Rubella)	929	30	19	—	—	—
Mumps	4,006	283	80	—	—	—
Salmonellosis	462	540	599	3	—	—
Scarlet fever, other strep.	3,039	5,973	6,309	—	—	—
Syphilis	197	53	41	1	—	—
Tuberculosis	280	303	364	27	11	4
All others	528	544	473	21	4	4

Source: Hawaii State Department of Health, *Annual Report, Statistical Supplement* (annual).

**Table 38.—PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS LICENSED IN HAWAII:
1973-1976**

Place of residence	Physicians ¹		Dentists ²	Registered nurses ²	Pharmacists ²
	Total ³	Private			
Total licensed	2,158	1,534	662	4,021	321
Resident	1,415	1,114	497	3,405	250
Hawaii	82	72	33	230	14
Maui	66	53	18	173	15
Lanai	1	1	1	7	—
Molokai	3	3	1	21	2
Oahu	1,210	941	428	2,868	211
Kauai	53	44	16	106	8
Niihau	—	—	—	—	—
Nonresident	743	420	165	616	71

¹As of April 1, 1975. Excludes physicians with limited and temporary licenses.

²As of March 28, 1973. As of July 14, 1976, there were 763 licensed dentists, 6,357 licensed registered nurses, and 443 licensed pharmacists; the 1976 data are not available by place of residence.

³Includes private (1,534), military (128), retired (47), other practice (governmental, teaching, etc., 284), and not reported (165).

Source: Hawaii State Department of Health, records; Hawaii State Department of Regulatory Agencies, Professional and Vocational Licensing Division, records.

Table 39.—MARRIAGES AND DIVORCES: 1958 TO 1975
(Place of occurrence basis)

Calendar year	Marriages	Divorces and annulments ¹	Rate per 1,000 resident population		Percent of marriages	
			Marriages	Divorces ¹	Resident grooms	Inter-racial
1958	4,727	1,228	7.8	2.0	(NA)	37.6
1959	4,958	1,378	8.0	2.2	(NA)	37.3
1960	5,237	1,270	8.2	2.0	96.3	37.3
1961	5,298	1,556	8.0	2.4	96.3	36.1
1962	5,484	1,471	8.0	2.2	96.5	37.7
1963	5,750	1,515	8.4	2.2	95.9	38.6
1964	5,790	1,690	8.3	2.4	94.7	38.3
1965	6,071	1,111	8.6	1.6	93.9	38.1
1966	5,792	897	8.2	1.3	92.5	37.7
1967	7,345	1,451	10.2	2.0	80.4	33.5
1968	9,021	1,865	12.3	2.5	70.1	33.8
1969	9,891	2,314	13.2	3.1	67.8	33.7
1970	10,599	2,589	13.7	3.3	69.3	33.7
1971	9,734	3,691	12.2	4.6	77.3	38.7
1972	9,750	3,891	11.9	4.7	81.3	38.6
1973	9,776	4,170	11.6	4.9	84.7	40.6
1974	9,649	4,111	11.3	4.8	84.6	40.1
1975 ²	9,669	4,265	11.2	4.9	(NA)	(NA)

NA Not available.

¹Final decrees only. An interlocutory decree of one year was established May 8, 1965, reduced to six months on July 3, 1969, and abolished July 1, 1971.

²Preliminary.

Source: Hawaii State Department of Health, "Vital Statistics and Population of Hawaii, 1900 to 1973," *R & S Report*, No. 5 (June 1974); *Annual Report, Statistical Supplement* for 1958-1974; and records.

Table 40.—MARRIAGES, TOTAL AND INTERRACIAL, BY RACE OF GROOM AND BRIDE: 1974

Race	All marriages		Interracial marriages		Percent interracial	
	Grooms	Brides	Grooms	Brides	Grooms	Brides
All race	9,649	9,649	3,871	3,871	40.1	40.1
Caucasian	4,397	3,998	1,263	864	28.7	21.6
Hawaiian	82	52	73	43	89.0	82.7
Part Hawaiian	1,329	1,502	719	892	54.1	59.4
Chinese	390	446	228	284	58.5	63.7
Filipino	1,047	1,085	529	567	50.5	52.3
Japanese	1,620	1,773	549	702	33.9	39.6
Puerto Rican	134	127	108	101	80.6	79.5
Korean	104	248	61	205	58.7	82.7
Samoa	150	141	77	68	51.3	48.2
Negro	261	127	154	20	59.0	15.7
Other races	135	149	110	124	81.5	83.2
Unknown	—	1	—	1	—	...

Source: *Statistical Report, Department of Health, State of Hawaii, 1974, table 59, p. 49.*

Table 41.—MARRIAGES, TOTAL AND INTERRACIAL, BY USUAL OCCUPATION OF GROOM: 1956-1957, 1967-1968, AND 1974

Occupation of groom	All marriages			Interracial marriages			Percent interracial		
	1956-1957 ¹	1967-1968 ¹	1974	1956-1957 ¹	1967-1968 ¹	1974	1956-1957 ¹	1967-1968 ¹	1974
All grooms	10,055	16,368	9,647	3,499	5,404	3,871	34.8	33.0	40.1
No occupation	537	1,312	751	170	519	361	31.7	39.6	48.1
Civilian occupation	6,429	9,269	6,831	2,120	3,758	2,830	33.0	40.5	41.4
Professional, technical	722	1,740	1,309	159	501	445	22.0	28.8	34.0
Managers, officials, proprietors	562	974	1,056	165	300	364	29.4	30.8	34.5
Clerical	567	649	545	144	275	239	25.4	42.4	43.9
Sales	325	543	446	93	188	170	28.6	34.6	38.1
Craftsmen, foremen	1,478	1,834	1,286	440	752	570	29.8	41.0	44.3
Operatives	1,388	1,663	788	546	810	388	39.3	48.7	49.2
Private household, service	422	813	704	183	409	349	43.4	50.3	49.6
Farm laborers and foremen	283	165	51	123	72	23	43.5	43.6	45.1
Laborers, except farm	682	888	646	267	451	282	39.1	50.8	43.7
Armed forces	3,081	5,748	1,986	1,205	1,118	664	39.1	19.5	33.4
Not stated	8	39	79	4	9	16	(²)	(²)	20.3

¹Two-year period ended December 31.

²Base too small to compute meaningful rate.

Source: Robert C. Schmitt, "Recent Trends in Hawaiian Interracial Marriage Rates by Occupation," *Journal of Marriage and the Family*, Vol. 33, No. 2, May 1971, pp. 373-374; Hawaii State Department of Health, Research and Statistics Office, special tabulation.

SECTION 3

EDUCATION

This section presents statistics on enrollment in public and private schools, colleges and universities; students graduated and degrees awarded; the highest grade of school completed; illiteracy; school facilities, personnel, and expenditures; and libraries.

Enrollment in elementary, intermediate and high schools in 1975-1976 totaled 212,171, about 0.2 percent more than in the preceding year and 9.0 percent over the 1965-1966 total. There were 225 public schools with 7,860 classroom teachers and 176,232 students (about five-sixths of the total.) There were also 119 private schools with 1,981 teachers and 35,939 pupils. Students graduating from high school in 1974-1975 numbered 13,545. Some 49,865 students attended colleges and universities in the State in 1975-1976, including 21,260 on the Manoa Campus of the University of Hawaii, 2,087 at Hilo College, 21,179 at seven community colleges, and 5,339 in four private four-year colleges. Eighty-seven percent of the children 5 and 6 years old were in school in 1970 (compared with 68 percent in 1950), and 53 percent in the 18- and 19-year old group were enrolled (compared with 36 percent twenty years earlier). Among adults, the illiteracy rate dropped from 8.4 percent in 1950 to 1.5 percent in 1970, and by 1972 more than 30 percent of all residents 25 years of age or more could report having completed one or more years of college. A 1972 survey reported 147 libraries with 3,683,000 bound volumes. The Hawaii State Library System had 2.6 million books, film reels, phonorecords, and other collections in 1975, with an annual circulation of 4.3 million; the University of Hawaii libraries in the same year counted 1.6 million volumes.

Section 4 of the *Statistical Abstract of the United States: 1975* presents comparable data for the nation as a whole.

Table 42.—PUBLIC AND PRIVATE SCHOOLS, TEACHERS, ENROLLMENT, AND GRADUATES: 1958 TO 1975

School year	Schools ¹		Teachers ¹		Enrollment or membership ¹			High school graduates	
	Public	Private	Public	Private	Total	Public	Private	Public	Private
1958-59	208	92	4,603	1,101	163,787	135,088	28,699	5,659	1,512
1959-60	207	96	4,731	1,139	169,925	140,666	29,259	6,288	1,611
1960-61	209	96	4,850	1,151	175,172	145,134	30,038	7,267	1,731
1961-62	215	92	5,013	1,213	180,006	149,554	30,452	7,797	1,785
1962-63	216	99	5,179	1,227	184,231	153,298	30,933	7,763	1,748
1963-64	219	95	5,060	1,205	187,825	156,651	31,174	8,327	1,866
1964-65	214	98	5,368	1,481	193,047	160,681	32,366	9,239	1,976
1965-66	209	99	5,846	1,477	194,595	162,164	32,431	9,009	2,048
1966-67	210	112	6,394	1,492	200,242	166,375	33,867	9,540	2,175
1967-68	215	114	6,624	1,594	203,734	169,673	34,061	9,430	2,133
1968-69	217	116	7,098	1,547	207,231	173,718	33,513	9,800	2,173
1969-70	216	123	7,300	1,551	211,215	178,564	32,651	10,377	2,209
1970-71	216	117	7,948	1,698	213,165	180,770	32,395	10,471	2,178
1971-72	219	112	8,113	1,715	215,524	182,957	32,567	11,185	2,119
1972-73	222	119	8,187	1,797	214,360	181,587	32,773	11,147	2,174
1973-74	225	120	7,780	1,948	212,012	178,307	33,705	11,464	2,148
1974-75	225	120	7,711	1,932	211,702	176,844	34,858	11,283	2,262
1975-76	225	119	7,860	1,981	212,171	176,232	35,939	(NA)	(NA)

NA Not available.

¹September data for 1965-1966 and 1972-1973 forward; December data for other years.

Source: Hawaii State Department of Education, records.

**Table 43.—PUPIL MEMBERSHIP FOR PUBLIC AND PRIVATE SCHOOLS:
SEPTEMBER 1965 AND SEPTEMBER 1975**

Island, age, and grade	September 1965			September 1975		
	Total	Public	Private	Total	Public	Private
Total membership	194,595	162,164	32,431	212,171	176,232	35,939
By island:						
Hawaii	18,508	16,973	1,535	18,876	17,269	1,607
Maui	10,439	8,626	1,813	12,700	10,893	1,807
Lanai	643	643	—	598	598	—
Molokai	1,383	1,364	19	1,053	1,037	16
Oahu	155,596	127,618	27,978	170,589	138,894	31,695
Kauai	7,947	6,861	1,086	8,289	7,475	814
Niihau	79	79	—	66	66	—
By age:						
Under 5 years	18,027	13,552	4,475	19,505	13,792	5,713
6 years	16,337	13,708	2,629	15,711	13,108	2,603
7 years	15,924	13,458	2,466	14,707	12,346	2,361
8 years	16,162	13,727	2,435	14,651	12,470	2,181
9 years	15,655	13,407	2,248	15,439	13,195	2,244
10 years	15,546	13,312	2,234	15,908	13,630	2,278
11 years	15,207	12,940	2,267	16,293	13,904	2,389
12 years	14,738	12,378	2,360	16,649	13,858	2,791
13 years	14,317	11,903	2,414	17,388	14,494	2,894
14 years	13,228	10,827	2,401	17,661	14,731	2,930
15 years	13,227	10,919	2,308	16,677	13,944	2,733
16 years	12,440	10,171	2,269	16,210	13,784	2,426
17 years	11,184	9,563	1,621	13,303	11,324	1,979
18 years	1,852	1,668	184	1,686	1,468	218
19 years	444	426	18	191	167	24
20 years and over	307	205	102	192	17	175
By grade:						
Nursery	1,886	—	1,886	2,898	—	2,898
Kindergarten	15,954	13,560	2,394	16,091	13,488	2,603
1	16,963	14,291	2,672	15,578	13,006	2,572
2	16,206	13,721	2,485	14,583	12,213	2,370
3	16,139	13,694	2,445	14,317	12,114	2,203
4	15,684	13,369	2,315	14,785	12,550	2,235
5	15,326	13,083	2,243	15,248	12,980	2,268
6	15,056	12,891	2,165	15,856	13,436	2,420
7	14,530	12,153	2,377	16,588	13,642	2,946
8	14,032	11,725	2,307	16,414	13,637	2,777
9	13,391	11,010	2,381	16,916	14,151	2,765
10	13,028	10,724	2,304	16,485	13,836	2,649
11	12,390	10,205	2,185	15,398	12,959	2,439
12	11,450	9,450	2,000	13,990	11,752	2,238
Specials	1,591	1,438	153	6,587	6,031	556
Others	969	850	119	437	437	—

Source: Hawaii State Department of Education, records.

Table 44.—SCHOOL ENROLLMENT, BY AGE: 1960 AND 1970

Age	Number enrolled in school		Percent enrolled in school	
	1960 ¹	1970 ²	1960 ¹	1970 ²
5 to 34 years old	179,532	228,668	53.4	54.4
5 and 6 years old	26,435	27,683	85.0	87.4
7 to 13 years old	92,877	108,757	98.6	96.7
14 and 15 years old	22,840	30,409	97.0	95.8
16 and 17 years old	19,278	26,362	87.8	90.8
18 and 19 years old	7,460	14,486	34.4	53.1
20 and 21 years old	3,394	7,672	15.7	22.4
22 to 24 years old	2,493	6,357	8.7	13.6
25 to 34 years old	4,755	6,942	5.1	6.5

¹In kindergarten and above.²In nursery school and above.Source: U.S. Bureau of the Census, *U.S. Census of Population: 1970*, Final Report PC(1)-C13, table 45.**Table 45.—EXPENDITURES, AVERAGE SALARIES, AND DAYS OF SCHOOL, FOR PUBLIC ELEMENTARY AND SECONDARY EDUCATION: 1959-1960 TO 1974-1975**

Fiscal year	Expenditures (dollars)		Cost per pupil ¹ (dollars)	Average annual salary of teachers (dollars)	Number of days of school
	Current operations	Capital outlay			
1959-1960	46,641,819	6,439,864	332.37	5,802	168
1964-1965	69,119,765	18,643,073	435.29	6,060	169
1969-1970	146,753,192	37,564,333	818.19	9,591	179
1970-1971	179,070,294	34,539,101	988.54	10,424	177½
1971-1972	183,830,422	35,269,593	1,007.10	10,459	178½
1972-1973	184,118,840	31,618,093	1,014.02	10,883	174
1973-1974	221,923,654	33,618,196	1,257.40	11,968	176
1974-1975	232,185,601	24,832,512	1,305.00	13,949	178

¹Based on average daily membership.

Source: Hawaii State Department of Education, records.

Table 46.—ENROLLMENT AND DEGREES AND DIPLOMAS CONFERRED, FOR THE UNIVERSITY OF HAWAII AT MANOA AND HILO COLLEGE: 1958-59 TO 1975-1976

School year	Fall enrollment, ¹ UH Manoa ²				Fall enrollment, ¹ Hilo College ²	Degrees, diplomas and certificates conferred, UH Manoa					Degrees, diplomas and certificates, Hilo College	
	Total	Under-graduate	Graduate	Unclassified ³		Assoc. degrees	Bachelor's degrees	Master's degrees	Doctor's degrees	Other ⁴	Bachelor's degrees	Other
1958-59	6,342	4,917	408	1,017	225	—	755	71	4	152	—	—
1959-60	6,923	5,112	591	1,220	250	—	881	81	3	175	—	—
1960-61	7,511	5,573	509	1,429	260	—	832	109	7	242	—	—
1961-62	8,231	5,819	727	1,685	285	—	869	112	2	218	—	—
1962-63	9,150	6,415	1,037	1,698	399	—	894	252	15	198	—	—
1963-64	10,466	7,319	1,149	1,998	355	—	983	304	14	191	—	—
1964-65	11,641	8,283	1,251	2,107	398	—	1,183	362	20	166	—	—
1965-66	13,587	9,903	1,601	2,083	510	—	1,444	427	29	221	—	—
1966-67	14,772	10,784	2,221	1,767	571	8	1,515	555	28	222	—	—
1967-68	16,564	12,228	2,597	1,739	618	55	1,833	819	47	235	—	—
1968-69	17,082	12,536	2,689	1,857	679	45	1,961	982	58	196	—	—
1969-70	18,474	13,625	2,993	1,856	864	60	2,329	1,018	53	290	—	—
1970-71	21,090	15,810	3,441	1,839	1,184	41	2,644	1,103	78	420	37	—
1971-72	22,061	16,589	3,913	1,559	1,297	49	2,907	1,167	80	404	69	—
1972-73	22,371	17,161	4,069	1,141	1,446	65	3,050	1,272	98	370	155	—
1973-74	22,272	16,905	4,110	1,257	1,702	85	3,260	1,165	109	281	146	—
1974-75	21,526	16,215	4,059	1,252	1,860	57	3,176	1,110	94	275	189	—
1975-76	21,260	15,671	4,111	1,478	2,087	...	...	...	...	...	...	...

¹Regular credit program; includes such special students as concurrent registrants and early admittees.

²Includes College of Agriculture, opened Fall 1975 with 127 students.

³Includes students with no data on student level.

⁴Certificates in Dental Hygiene, professional diplomas, etc. Figure for 1974-1975 includes 62 first professional (M.D.) degrees.

Source: University of Hawaii, Management Systems Office, records.

Table 47.—ENROLLMENT AND DIPLOMAS CONFERRED, FOR COMMUNITY COLLEGES: 1964-1965 TO 1975-1976

School year	Classified and unclassified students in regular credit programs ¹								Diplomas conferred	
	Total	Hono- lulu	Kapio- lani	Lee- ward ²	Wind- ward ³	Hawaii ⁴	Kauai	Maui	Degrees ⁵	Certif- icates ⁶
1964-1965	1,874	710	818	--	--		123	223	--	--
1965-1966 ⁷	2,010	702	890	--	--		175	243	129	693
1966-1967	2,444	828	1,052	--	--		228	336	224	481
1967-1968	3,494	1,209	1,514	--	--		254	517	393	439
1968-1969	5,494	1,383	1,538	1,649	--		263	661	403	366
1969-1970	8,713	1,787	1,830	3,221	--	516	426	933	587	553
1970-1971	10,853	1,937	2,205	4,469	--	557	627	1,058	813	575
1971-1972	13,010	2,167	2,765	5,177	--	968	839	1,094	1,059	483
1972-1973	14,689	2,523	3,001	5,236	535	1,148	935	1,311	1,186	560
1973-1974	16,107	2,774	3,559	5,376	829	1,305	1,004	1,260	1,318	412
1974-1975	17,693	3,306	3,654	5,816	1,046	1,531	1,031	1,309	1,581	433
1975-1976	21,179	4,017	4,368	6,900	1,153	1,915	1,238	1,588	(NA)	(NA)

NA Not available.

¹Fall semester enrollment. Includes early admittees and concurrent registrants.

²Opened for instruction in 1968.

³Opened for instruction in 1972.

⁴Hawaii Technical School transferred from the Department of Education and renamed Hawaii Community College in 1969.

⁵Associate in Arts and Associate in Science.

⁶Includes certificates of achievement.

⁷Community College system established; first year of administration of the former technical schools by the University of Hawaii.

Source: University of Hawaii, Management Systems Office, records.

**Table 48.—ENROLLMENT IN CREDIT COURSES AND EARNED DEGREES CONFERRED,
FOR PRIVATE COLLEGES: 1965-1966 TO 1975-1976**

School year	Total private college enrollment ¹	Brigham Young Univ.—Hawaii ²			Chaminade College of Honolulu		
		Fall enrollment	Degrees conferred		Fall enrollment	Degrees conferred	
			Associate	Bachelor		Associate	Bachelor
1965-1966 ³	1,833	947	3	76	549	1	41
1966-1967	2,024	1,036	1	90	668	1	48
1967-1968	2,147	1,096	—	84	725	3	82
1968-1969	2,265	1,113	—	110	831	1	140
1969-1970	2,525	1,211	—	138	891	1	155
1970-1971	2,717	1,307	—	184	962	4	217
1971-1972	3,494	1,300	—	105	1,700	—	257
1972-1973	3,419	1,078	—	79	1,719	4	348
1973-1974	3,663	1,004	—	157	1,888	12	326
1974-1975	4,541	917	5	110	2,158	15	391
1975-1976	5,339	1,068	(NA)	(NA)	2,560	(NA)	(NA)

School year	Hawaii Loa College ⁴		Hawaii Pacific College		U.S.I.U.—Maunaolu Campus ⁵		
	Fall enrollment	Degrees conferred: bachelor	Fall enrollment	Degrees conferred: bachelor	Fall enrollment	Degrees conferred	
						Associate	Bachelor
1965-1966	—	—	57	1	213	(NA)	—
1966-1967	—	—	142	2	178	(NA)	—
1967-1968	44	—	157	3	125	(NA)	—
1968-1969	78	—	116	—	127	(NA)	—
1969-1970	97	—	124	—	202	(NA)	—
1970-1971	103	26	153	—	192	(NA)	11
1971-1972	170	19	210	12	114	20	—
1972-1973	220	32	312	16	90	7	—
1973-1974	203	25	426	11	142	8	—
1974-1975	217	32	1,161	30	88	(NA)	—
1975-1976	208	(NA)	1,503	(NA)	—	—	—

NA Not available.

¹Fall enrollment in credit courses.

²Prior to September 1, 1974, Brigham Young University—Hawaii Campus was called Church College of Hawaii.

³All-college total includes Honolulu Christian College, a four-year institution that merged with Hawaii Pacific College in August 1966. Enrollment at HCC in fall 1965 was 67.

⁴Opened in temporary quarters in Honolulu in September 1967 and moved to permanent campus near Kaneohe in January 1971.

⁵U.S. International University—Maunaolu Campus was called Mauna Olu College prior to July 1, 1971 and Maunaolu College until the late 1960's. Initially a two-year institution, it briefly offered a four-year curriculum, beginning in 1969-1970; after one graduating class (1971), the school returned to a two-year program. Operations were suspended after the 1974-1975 school year. Enrollment data for 1965-1966, 1966-1967, and 1968-1969 are spring totals. For most of these years, variant enrollment data have been reported.

Source: Data obtained by Hawaii State Department of Planning and Economic Development from college officials, except Maunaolu for the following years: 1965-1966, 1966-1967, and 1968-1969, from *World Almanac* for 1967, 1968, and 1970; 1969-1970, 1970-1971, and 1971-1972, from *Honolulu Advertiser*, October 13, 1970 and October 27, 1972.

Table 49.—ILLITERACY: 1970

Age	Number illiterate	Percent illiterate
14 years and over	8,446	1.5
14 to 24 years	735	0.4
25 to 44 years	1,037	0.5
45 to 64 years	3,173	2.3
65 years and over	3,501	7.9

Source: Estimated by the Hawaii State Department of Planning and Economic Development from national illiteracy rates by age and education (in U.S. Bureau of the Census, *Current Population Reports*, Series P-20, No. 217, March 10, 1971) and Hawaii data on age and education (in *U.S. Census of Population: 1970*, Final Report PC(1)-D13, table 148).

Table 50.—YEARS OF SCHOOL COMPLETED: 1972-1974
 (Excludes persons in institutions or military barracks, or on Niihau.
 Based on a sample survey of 58,779 persons.)

Years of school completed	Number	Percent
Persons 25 years old and over	419,898	100.0
8 years or less	83,419	19.9
9 to 11 years	45,639	10.9
12 years	149,971	35.7
13 to 15 years	63,603	15.1
16 years	38,643	9.2
17 years or more	29,613	7.1
Not reported	9,010	2.1

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation.

Table 51.—LIBRARIES: 1972

Library system	Number of libraries					Bound volumes (in thousands)				
	State total	Oahu	Hawaii Co.	Kauai Co.	Maui Co.	State total	Oahu	Hawaii Co.	Kauai Co.	Maui Co.
All categories	147	133	6	3	5	3,683	3,235	170	117	161
Hawaii State Library	1	1	—	—	—	264	264	—	—	—
Others in State system	20	17	1	1	1	926	605	98	101	122
State government	10	10	—	—	—	131	131	—	—	—
County government	6	3	1	1	1	35	35	—	—	—
U.S. Armed Forces libraries	24	23	1	—	—	304	300	4	—	—
Other Federal government	9	8	1	—	—	41	38	3	—	—
University of Hawaii system	9	8	1	—	—	1,281	1,221	60	—	—
Community Colleges	7	4	1	1	1	124	78	5	16	25
Private colleges	6	5	—	—	1	191	179	—	—	12
Museums	8	8	—	—	—	92	92	—	—	—
Other organizations ¹	47	46	—	—	1	294	292	—	—	2

¹Business firms, consulates, private agencies, etc.

Source: Hawaii Library Association, "A Directory of Libraries and Information Sources in Hawaii and the Pacific Islands," *HIA Journal*, Vol. XXIX, No. 2, December 1972.

Table 52.—COLLECTIONS AND CIRCULATION FOR THE HAWAII STATE AND UNIVERSITY OF HAWAII LIBRARY SYSTEMS: 1975

System and branch or campus	Number of volumes: June 30, 1975	Other collections: June 30, 1975	Circulation: year ended June 30, 1975
Hawaii State system	1,593,218	999,552	4,268,409
State Library Branch ¹	294,811	348,569	440,052
Library for Handicapped	51,324	13,835	181,826
Oahu Public Library ²	750,067	313,688	2,426,657
Hawaii Public Library	224,795	108,569	622,027
Kauai Public Library	131,732	143,923	300,267
Maui Public Library	140,489	70,968	297,580
University of Hawaii system	1,640,585	—	540,438
Manoa	1,413,144	—	421,008
Hilo College	64,256	—	20,884
Community Colleges	163,185	—	98,546
Honolulu	31,013	—	10,077
Kapiolani	24,065	—	11,009
Leeward	41,328	—	34,359
Windward	11,709	—	9,057
Hawaii	9,551	—	4,922
Kauai	17,383	—	9,535
Maui	28,136	—	19,587

¹Main branch, 478 South King Street, Honolulu.

²All branch libraries on Oahu except the State Library Branch.

Source: Hawaii State Department of Education, Division of Library Services, records; University of Hawaii Library, records.

SECTION 4

LAW ENFORCEMENT, COURTS, AND CORRECTIONS

Statistics in this section refer to crime and delinquency, the police, the judiciary system, prisons, and training schools.

Major offenses reported to the police in 1975 numbered 51,777, or twice as many as in 1965. The rate per 1,000 population has increased from 23 in 1960 to 60 in 1974 and 1975. More than 84 percent of the 1975 total occurred on Oahu. For the State as a whole, major offenses known to police in 1975 included 67 murders, 114 cases of negligent manslaughter, 206 rapes, 1,091 robberies, 496 aggravated assaults, 15,680 burglaries, 29,596 cases of larceny, and 4,527 auto thefts. The value of property reported stolen on Oahu alone in 1974 exceeded \$9.7 million; only 5.7 percent was recovered. For the State as a whole, 17.6 percent of the major offenses and 60.2 percent of the minor offenses were cleared by arrest or otherwise in 1975. Fifty-three percent of the persons arrested for major crimes and 25 percent of those arrested for lesser offenses on Oahu in 1974 were less than eighteen years of age. Over one-third of the juveniles were counseled and released, and only a small number were committed to the State Youth Correctional Facility. Inmates of the ten State and County correctional institutions averaged 551 during 1975; new commitments numbered 3,343. The State Supreme Court, five circuit courts, and twenty-seven district courts handled 604,000 cases in fiscal 1975, double the case load a decade earlier. Filings in the Federal District Court included 382 civil cases, 160 criminal cases, and 549 bankruptcy cases.

Statistics on law enforcement, courts, and corrections in Hawaii appear in the annual reports of the county police departments, the State Judiciary, the Department of Social Services and Housing, and the Administrative Office of the United States Courts. National data are summarized in the *Statistical Abstract of the United States: 1975*, Section 5.

Table 53.—ACTUAL MAJOR (PART I) OFFENSES KNOWN TO THE POLICE, BY COUNTY: 1958 TO 1975

Year	State total		City and County of Honolulu	Hawaii County	Kauai County	Maui County
	Number	Rate ¹				
1958	13,971	2,308	12,150	902	349	570
1959	14,205	2,283	12,648	662	402	493
1960	14,569	2,271	12,986	628	465	490
1961	16,608	2,521	14,981	689	471	467
1962	17,675	2,586	15,973	747	408	547
1963	17,673	2,590	16,065	698	448	462
1964	19,198	2,743	17,533	643	395	627
1965	22,891	3,252	20,723	829	524	815
1966	24,865	3,501	22,689	816	506	854
1967	27,221	3,767	24,847	919	649	806
1968	34,295	4,669	31,044	1,297	730	1,224
1969	36,109	4,813	32,636	1,406	779	1,288
1970	41,201	5,322	36,779	1,626	993	1,803
1971	42,952	5,382	37,459	1,867	1,326	2,300
1972	37,091	4,518	31,594	2,047	1,195	2,255
1973	41,850	4,960	35,275	2,612	1,596	2,367
1974	51,451	6,024	43,572	3,031	1,732	3,116
1975	51,777	5,986	43,612	3,192	1,777	3,196

¹Annual rate per 100,000 resident population (including armed forces), July 1.
 Source: County police departments, annual reports and records.

**Table 54.—ACTUAL MAJOR OFFENSES KNOWN TO POLICE, FOR THE CITY AND COUNTY OF HONOLULU:
1958 TO 1975**

Year	Total Part I offenses	Murder; non-neg. mansl.	Man-slaughter (neglig.)	Rape	Robbery	Aggravated assault	Burglary	Larceny					Auto theft
								Over \$200	\$100-\$200	\$50-\$100	\$5-\$50	Under \$5	
1958	12,150	14	20	18	85	40	3,454	302			7,094		1,123
1959	12,648	17	21	19	108	39	3,186	367			6,940		1,951
1960	12,986	12	22	18	68	32	2,922	438			7,816		1,658
1961	14,981	12	26	21	68	47	3,455	659			8,738		1,955
1962	15,973	19	24	15	118	97	4,167	780			8,577		2,176
1963	16,065	11	19	16	78	98	4,541	748			8,936		1,618
1964	17,533	13	15	15	95	48	5,486	870			9,253		1,738
1965	20,723	18	4	6	130	52	6,430	1,210			10,342		2,531
1966	22,689	18	15	30	151	46	7,440	1,518			11,230		2,241
1967	24,847	17	20	33	144	77	7,857	1,673			12,138		2,888
1968	31,044	19	11	52	167	130	9,776	2,214			14,863		3,812
1969	32,636	23	22	82	272	124	9,417	2,728			15,848		4,120
1970	36,779	25	3	85	473	219	10,252	3,568			17,913		4,241
1971	37,459	31	46	124	715	341	9,599		9,426		12,923		4,254
1972	31,594	46	31	144	424	343	8,943	3,955		3,874	7,449	3,428	2,957
1973	35,275	36	50	150	663	287	10,838	3,090		5,350	7,999	3,324	3,488
1974	43,572	62	84	190	951	301	13,040	3,821		6,362	9,780	4,306	4,675
1975	43,612	58	99	161	1,037	311	13,287	4,317		6,440	9,783	3,940	4,179

Source: Honolulu Police Department, *Statistical Report* (annual).

Table 55.—PART I OFFENSES CLEARED BY ARREST OR OTHERWISE AND AGE OF PERSONS ARRESTED FOR PART I OFFENSES, FOR THE CITY AND COUNTY OF HONOLULU: 1958 TO 1975

Year	Part I offenses cleared ¹		Persons arrested for Part I offenses			
	Number	Percent	Total	Juveniles under 18 years		18 years of age and over
				Male	Female	
1958	3,239	27	3,450	2,250	176	1,024
1959	3,424	27	3,615	2,182	246	1,187
1960	3,168	24	3,371	2,000	233	1,138
1961	3,405	23	3,525	2,164	203	1,158
1962	3,767	24	3,686	2,155	254	1,277
1963	3,992	25	3,019	1,602	226	1,191
1964	3,809	22	2,988	1,685	252	1,051
1965	3,815	18	3,283	2,123	311	849
1966	4,402	19	4,071	2,328	460	1,283
1967	3,917	16	4,363	2,497	631	1,235
1968	6,028	19	5,841	3,380	907	1,554
1969	6,393	20	6,217	3,340	1,030	1,847
1970	6,437	18	6,405	2,899	995	2,511
1971	8,325	22	6,730	2,770	979	2,981
1972	10,028	32	5,954	2,406	1,035	2,513
1973	8,721	25	6,558	2,623	1,005	2,930
1974	9,727	22	8,043	3,227	1,027	3,789

¹Major (Part I) offenses cleared by arrest or otherwise, including prior years offenses.
Source: Honolulu Police Department, *Statistical Report* (annual).

Table 56.—ACTUAL OFFENSES KNOWN TO POLICE, BY COUNTY, AND OFFENSES CLEARED BY ARREST OR OTHERWISE: 1975

Classification of offense	Actual offenses (except traffic) known to police					Cleared by arrest or otherwise ¹	
	State total	City & Co. of Honolulu	Co. of Hawaii	Co. of Kauai	Co. of Maui	Number	Percent
All offenses	106,826	86,561	6,530	3,699	10,036	42,288	39.6
Part I offenses	51,777	43,612	3,192	1,777	3,196	9,137	17.6
1A Murder; non-neg. manslaughter	67	58	3		6	31	46.3
1B Manslaughter (negligent)	114	99	—	5	10	64	56.1
2 Rape	206	161	20	10	15	108	50.5
3 Robbery	1,091	1,037	16	14	24	306	27.7
4 Aggravated assault	496	311	63	83	39	280	55.6
5 Burglary	15,680	13,287	912	553	928	2,554	16.2
6 Larceny	29,596	24,480	2,057	1,050	2,009	5,794	19.4
Over \$200	5,238	4,317	304	230	387	(NA)	(NA)
\$50 to \$200	7,992	6,440	620	327	605	(NA)	(NA)
\$5 to \$50	} 16,366	9,783	} 1,133	493	1,017	(NA)	(NA)
Under \$5		3,940				(NA)	(NA)
7 Auto theft	4,527	4,179	121	62	165	1,035	22.9
Part II offenses ²	55,049	42,949	3,338	1,922	6,840	33,151	60.2
8 Other assaults	6,405	4,822	367	525	691	4,612	72.0
9 Arson	267	238	12	17	—	44	16.5
10 Forgery; counterfeiting	510	317	86	18	89	227	44.5
11 Fraud	} 1,135	700	178	80	} 162	670	59.0
12 Embezzlement		12	1	2			
13 Stolen property, reg.	58	21	15	—	22	56	96.6
14 Vandalism	6,964	6,007	626	331	—	1,054	15.1
15 Weapons	652	533	69	9	41	575	88.2
16 Prostitution	406	401	3	1	1	331	81.5
17 Sex offenses	421	361	26	18	16	147	34.9
18 Drug laws	2,470	1,055	634	278	503	1,421	57.5
19 Gambling	493	438	2	24	29	417	84.6
20 Offenses against family	108	79	12	4	13	56	51.9
21 Driving intoxicated	2,523	1,747	279	109	388	2,485	98.5
22 Liquor laws	362	205	37	1	119	353	97.5
24 Disorderly conduct	3,011	2,594	125	88	204	2,778	92.3
25 Vagrancy	1	—	1	—	—	1	100.0
26 All other offenses	29,263	23,419	865	417	4,562	17,924	61.2
27 Curfew							
28 Runaway							

NA Not available

¹Includes previous year's cases cleared.

²Excludes 23, drunkenness, reclassified a non-criminal offense as of 1969, and all traffic offenses.

Source: County police departments, records.

Table 57.—JUVENILES AND ADULTS ARRESTED, BY SEX AND DISPOSITION, FOR OAHU: 1973 AND 1974

Age group, sex, and disposition	Part I offenses		Part II offenses	
	1973	1974	1973	1974
JUVENILES UNDER 18 YEARS				
Juveniles arrested	3,628	4,254	3,589	3,987
Male	2,623	3,227	2,389	2,710
Female	1,005	1,027	1,200	1,277
Released without charges	499	792	143	221
Counseled and released	1,079	1,651	877	1,021
Referred to social agency	434	1	239	176
Referred to Family Court	1,616	1,810	2,330	2,569
Probation or protective supervision	1	—	3	—
Counseled and released	163	158	459	496
Hawaii Youth Correctional Facility	21	5	25	3
Social agency	—	—	—	6
Discharged or other	910	—	1,281	—
Disposition not reported	521	948	562	1,272
ADULTS, 18 YEARS AND OVER				
Adults arrested	2,930	3,789	8,797	12,015
Male	1,977	2,636	7,550	9,646
Female	953	1,153	1,247	2,369
Released	505	671	610	722
Charged	2,425	3,118	8,187	11,293
Disposition by court	1,822	2,469	6,176	8,950
Convicted	785	1,121	3,853	5,205
Fine	356	563	2,968	4,022
Jail	87	170	94	198
Probation, suspended sentence	340	385	744	950
Other convictions	2	3	47	35
Bail forfeitures	48	80	281	511
Discharged	834	1,063	1,513	2,448
Stricken, nolle prosequi	155	205	529	786
Disposition not reported	603	649	2,011	2,343

Source: Honolulu Police Department, *Statistical Report* for 1973 and 1974.

Table 58.—VALUE OF PROPERTY REPORTED STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED (EXCLUSIVE OF AUTOMOBILES), FOR THE CITY AND COUNTY OF HONOLULU: 1958 TO 1975

Year	Value of property reported stolen (\$1,000)	Value of stolen property recovered (\$1,000)	Percent recovered
1958	498.5	79.9	16.0
1959	537.4	73.9	13.8
1960	630.1	71.7	11.4
1961	792.2	72.5	9.2
1962	909.2	100.4	11.0
1963	1,075.2	106.7	9.9
1964	1,418.0	97.2	6.9
1965	1,534.5	85.2	5.4
1966	2,108.2	103.1	4.9
1967	2,383.9	116.3	4.9
1968	3,676.5	420.1	11.4
1969	4,119.3	204.7	5.0
1970	4,913.4	237.5	4.9
1971	5,509.7	335.9	6.1
1972	6,249.2	566.7	9.1
1973	7,660.5	980.0	12.8
1974	9,732.7	558.1	5.7
1975	10,313.4	(NA)	(NA)

NA Not available.

Source: *Statistical Report, Honolulu Police Department* (annual).

Table 59.—FEDERAL DISTRICT COURT CASES: 1958 TO 1975

Year ended June 30	Civil cases		Criminal cases		Bankruptcy cases				
	Filings	Terminations	Filings (incl. transfers)	Terminations	Commenced				Terminated
					Total	Voluntary		Involun- tary	
						Business ¹	Nonbusiness		
1958	127	90	111	109	119	118		1	114
1959	78	113	112	96	110	108		2	131
1960	99	150	118	125	90	7	83	—	109
1961	102	81	106	102	132	11	120	1	141
1962	135	124	130	122	177	7	170	—	108
1963	119	109	89	102	220	10	206	4	159
1964	138	130	87	88	258	17	239	2	192
1965	132	126	106	81	329	27	299	3	282
1966	169	122	109	117	361	22	337	2	319
1967	155	105	83	79	420	32	384	4	347
1968	149	202	81	82	436	22	413	1	307
1969	161	177	114	103	319	14	301	4	460
1970	192	156	193	138	374	18	355	1	404
1971	139	175	161	177	384	20	362	2	402
1972	217	187	183	161	389	32	354	3	361
1973	264	238	195	168	371	46	321	4	376
1974	313	251	167	171	415	38	377	—	398
1975	382	261	160	160	549	56	490	3	472

¹Farmer, professional, merchant, manufacturer, and others in business. Excludes employee and other nonbusiness bankruptcies.
Source: *Annual Report of the Director of the Administrative Office of the United States Courts* (annual).

Table 60.—STATE JUDICIARY CASELOAD: 1958 TO 1975
(Terminations)

Court and type of case	1958	1959	1960	1961	1962	1963
All courts, total	161,347	...	163,993	216,449	210,477	289,183
Supreme Court ³	50	174	161	146	180	192
Civil cases .....	...	...	...	...	...	33
Criminal cases .....	...	...	...	...	...	11
Other proceedings .....	...	...	...	...	...	148
Circuit Courts proper	9,001	...	3,943	3,748	4,182	4,521
Civil cases .....	...	...	1,173	1,083	1,219	1,412
Criminal cases .....	...	...	1,016	849	774	862
Felonies or Part I ⁴ .....	...	...	...	...	...	...
Misdemeanors or Part II ⁵ .....	...	...	...	...	...	...
Other proceedings .....	...	...	1,754	1,816	2,189	2,247
Family Courts	(⁶)	...	9,153	10,064	10,828	10,504
Civil cases .....	...	...	1,551	1,846	1,591	1,892
Criminal cases .....	...	...	...	...	...	—
Other proceedings .....	...	...	7,602	8,218	9,237	8,612
District Courts ⁷	152,296	...	150,736	202,491	195,287	273,966
Civil cases .....	...	...	...	...	...	...
Traffic cases .....	...	...	...	...	...	...
Other violations .....	...	...	...	...	...	...
Criminal cases .....	...	...	...	...	...	...
Part I .....	...	...	...	...	...	...
Part II .....	...	...	...	...	...	...

(Continued on next page)

Table 60.—STATE JUDICIARY CASELOAD: 1958 TO 1975 (continued)

Court and type of case	1964	1965	1966	1967 ¹	1968 ²	1969 ²
All courts, total	297,608	309,514	332,837	186,564	354,372	354,691
Supreme Court	231	271	293	426	466	300
Civil cases	59	39	...	...	82	59
Criminal cases	8	12	...	...	24	18
Other proceedings	164	220	...	...	360	223
Circuit Courts proper	4,892	5,121	5,899	3,111	5,979	5,742
Civil cases	1,448	1,875	1,936	1,145	2,001	2,677
Criminal cases	1,093	993	1,564	661	1,671	1,130
Felonies or Part I ⁴	471	438	513	162	585	668
Misdemeanors or Part II ⁵	622	555	1,051	499	1,086	462
Other proceedings	2,351	2,253	2,399	1,305	2,307	1,935
Family Courts	11,772	13,556	13,391	8,202	17,503	17,613
Civil cases	3,121	2,900	2,699	1,447	3,156	2,701
Criminal cases	—	—	—	24	18	16
Other proceedings	8,651	10,656	10,692	6,731	14,329	14,896
District Courts	280,713	290,566	313,254	174,825	330,424	331,036
Civil cases .....	...	18,569	19,040	9,747	18,965	...
Traffic cases .....	...	...	...	...	...	...
Other violations .....	...	...	...	...	...	...
Criminal cases .....	...	...	...	...	...	...
Part I .....	...	...	...	...	...	...
Part II .....	...	...	...	...	...	...

(Continued on next page)

Table 60.—STATE JUDICIARY CASELOAD: 1958 TO 1975 (continued)

Court and type of case	1970 ²	1971 ²	1972 ²	1973 ²	1974 ²	1975 ²
All courts, total	425,009	484,860	547,590	567,514	592,973	604,176
Supreme Court	324	375	315	347	383	405
Civil cases	76	91	72	91	88	69
Criminal cases	19	21	32	39	46	65
Other proceedings	229	263	211	217	249	271
Circuit Courts proper	8,045	9,211	8,553	9,323	7,686	9,334
Civil cases	3,035	3,312	3,229	3,029	2,575	3,870
Criminal cases	2,423	1,680	2,081	2,318	1,827	2,097
Felonies or Part I ⁴	932	1,177	757	879	741	885
Misdemeanors or Part II ⁵	1,491	503	1,324	1,439	1,086	1,212
Other proceedings	2,587	4,219	3,243	3,976	3,284	3,367
Family Courts	19,213	21,137	17,215	17,716	16,310	17,015
Civil cases	3,277	6,913	5,787	6,476	7,074	6,624
Criminal cases	23	25	12	19	21	31
Other proceedings	15,913	14,199	11,416	11,221	9,215	10,360
District Courts	397,427	454,137	521,507	540,128	568,594	577,422
Civil cases .....	...	...	14,143	13,888	12,831	12,232
Traffic cases .....	...	...	480,286	499,389	520,964	524,345
Other violations .....	...	...	13,952	14,796	17,667	20,733
Criminal cases .....	...	...	13,126	12,055	17,132	20,112
Part I .....	...	...	2,576	2,246	3,005	3,781
Part II .....	...	...	10,550	9,809	14,127	16,331

¹Data for Circuit, Family, and District Courts refer to January 1-June 30, 1967.

²Year ended June 30.

³Data for 1960 exclude naturalization cases.

⁴Felonies through 1971; Part I offenses, 1972 forward.

⁵Misdemeanors through 1971; Part II offenses, 1972 forward.

⁶Included with Circuit Courts proper.

⁷Data for 1960 limited to District Courts of the First Circuit.

Source: Hawaii State Judiciary, Office of the Administrative Director of the Courts, records.

Table 61.—STATE JUDICIARY CASES FILED, BY TYPE OF ACTION: 1975
(Year ended June 30)

Court and type of action	Number	Court and type of action	Number
Supreme Court, total	447	District Court, total	574,392
Primary cases	194	Civil	12,189
Appeals	189	Regular	10,632
Original proceedings	5	Small claims	1,557
Supplemental proceedings	253	Traffic	522,302
Circuit Court Proper, total	9,654	Moving—arrest and citation	130,846
Primary proceedings	8,951	Non-moving	49,602
Civil actions	3,835	Parking	341,854
Probate proceedings	1,615	Other violations	20,724
Guardianship proceedings	422	Criminal actions	19,177
Miscellaneous proceedings	1,034	Part I offenses	3,460
Criminal actions	2,045	Part II offenses	15,717
Part I offenses	903		
Part II offenses	1,142		
Supplemental proceedings	703		
Family Courts, total	16,885		
Primary proceedings, referrals	14,679		
Marital actions, proceedings	5,704		
Adoption proceedings	812		
Paternity proceedings	50		
Miscellaneous proceedings	233		
Criminal actions	41		
Adults' referrals	648		
Children and minors' referrals	7,191		
Supplemental proceedings	2,206		

Source: *The Judiciary, State of Hawaii, Annual Report, July 1, 1974 to June 30, 1975*, pp. 46, 50, 55, and 60, as corrected.

Table 62.—STATE JUDICIARY CASE TERMINATIONS, BY TYPE: 1975
(Year ended June 30)

Court and type of termination	Number	Court and type of termination	Number
Supreme Court, total	405	District Court, total	577,422
Opinion filed	97	Felonies	1,721
Dismissal motion granted	9	Stricken or discharged	650
Withdrawn or discontinued	33	By commitment to Grand Jury	991
Other disposition	266	By commitment to Circuit Court	80
		Misdemeanors	18,391
Circuit Court Proper, total	9,334	By discharge or dismissal	4,338
No service	884	By nolle prosequi	1,021
No answer	514	Stricken	1,714
No statement of readiness	117	By bail forfeiture	1,313
Dismissal: Notice of	496	By commitment to Circuit Court	372
Stip. for	1,290	By conviction	9,633
By judge	192	Civil cases	12,232
Nonjury: Trial	266	By discontinuance or dismissal	3,189
Trial not completed	14	By default or confession	8,445
Jury: Verdict	246	By trial	598
Trial not completed	60	Traffic and other violations	545,078
No trial held	1,306	By discharge or dismissal	13,076
Hearings: Contested	173	By nolle prosequi	3,938
Uncontested	1,514	Stricken	47,403
Others	2,262	By bail forfeiture	418,102
		By commitment to Circuit Court	4
Family Courts, total	17,015	By conviction	62,555
Nolle prosequi	24		
Dismissal	1		
Nonjury: Trial	11		
Trial not completed	2		
Jury: Verdict	8		
Trial not completed	—		
No trial held	83		
Hearings: Contested	1,616		
Uncontested	8,465		
Counseling service	3,888		
Others	2,917		

Source: *The Judiciary, State of Hawaii, Annual Report, July 1, 1974 to June 30, 1975*, pp. 46, 50, 55, and 60, as corrected.

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(Year ended June 30)

Court and type of action	Number	Court and type of action	Number
Supreme Court, total	447	District Court, total	574,392
Primary cases	194	Civil	12,189
Appeals	189	Regular	10,632
Original proceedings	5	Small claims	1,557
Supplemental proceedings	253	Traffic	522,302
Circuit Court Proper, total	9,654	Moving—arrest and citation	130,846
Primary proceedings	8,951	Non-moving	49,602
Civil actions	3,835	Parking	341,854
Probate proceedings	1,615	Other violations	20,724
Guardianship proceedings	422	Criminal actions	19,177
Miscellaneous proceedings	1,034	Part I offenses	3,460
Criminal actions	2,045	Part II offenses	15,717
Part I offenses	903		
Part II offenses	1,142		
Supplemental proceedings	703		
Family Courts, total	16,885		
Primary proceedings, referrals	14,679		
Marital actions, proceedings	5,704		
Adoption proceedings	812		
Paternity proceedings	50		
Miscellaneous proceedings	233		
Criminal actions	41		
Adults' referrals	648		
Children and minors' referrals	7,191		
Supplemental proceedings	2,206		

Source: *The Judiciary, State of Hawaii, Annual Report, July 1, 1974 to June 30, 1975*, pp. 46, 50, 55, and 60, as corrected.

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(Year ended June 30)

Court and type of termination	Number	Court and type of termination	Number
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Dismissal motion granted	9	Stricken or discharged	650
Withdrawn or discontinued	33	By commitment to Grand Jury	991
Other disposition	266	By commitment to Circuit Court	80
		Misdemeanors	18,391
Circuit Court Proper, total	9,334	By discharge or dismissal	4,338
No service	884	By nolle prosequi	1,021
No answer	514	Stricken	1,714
No statement of readiness	117	By bail forfeiture	1,313
Dismissal: Notice of	496	By commitment to Circuit Court	372
Stip. for	1,290	By conviction	9,633
By judge	192	Civil cases	12,232
Nonjury: Trial	266	By discontinuance or dismissal	3,189
Trial not completed	14	By default or confession	8,445
Jury: Verdict	246	By trial	598
Trial not completed	60	Traffic and other violations	545,078
No trial held	1,306	By discharge or dismissal	13,076
Hearings: Contested	173	By nolle prosequi	3,938
Uncontested	1,514	Stricken	47,403
Others	2,262	By bail forfeiture	418,102
		By commitment to Circuit Court	4
Family Courts, total	17,015	By conviction	62,555
Nolle prosequi	24		
Dismissal	1		
Nonjury: Trial	11		
Trial not completed	2		
Jury: Verdict	8		
Trial not completed	—		
No trial held	83		
Hearings: Contested	1,616		
Uncontested	8,465		
Counseling service	3,888		
Others	2,917		

Source: *The Judiciary, State of Hawaii, Annual Report, July 1, 1974 to June 30, 1975*, pp. 46, 50, 55, and 60, as corrected.

**Table 63.—AVERAGE NUMBER OF INMATES IN CORRECTIONAL INSTITUTIONS:
1958 TO 1975**

Year	State Prison System ¹	Youth Correctional Facility ¹		Honolulu Jail ²
		Boys	Girls	
1958	505	109	60	130
1959	513	134	66	145
1960 ³	(NA)	102	66	122
1961	591	(NA)	(NA)	130
1962	603	112	67	170
1963	561	120	63	171
1964	505	99	49	161
1965	514	82	53	134
1966	480	80	43	148
1967	437	74	37	148
1968	383	60	25	127
1969	320	51	21	97
1970	281	56	11	111
1971	257	61	12	127
1972	256	49	9	121
1973	300	63	19	111
1974	302	62	17	124
1975	312	60	16	144

NA Not available.

¹Years ended June 30. Excludes Honolulu Jail and Youth Correctional Facility.

²Calendar years through 1974; year ended June 30, 1975.

³Not available for State Prison System. Data for Youth Correctional Facility refer to total ward population as of June 30.

Source: Hawaii State Department of Social Services and Housing, Corrections Division, records; Honolulu Police Department, *Statistical Report* (annual) and records.

**Table 64.—CORRECTIONAL FACILITY COMMITMENTS, INMATES, AND CAPACITIES:
YEAR ENDED JUNE 30, 1975**

Facility	New commitments	Average inmate population	Capacity
All facilities	3,343	551.3	1,129
Hawaii State Prison	7	198.5	410
Adult Diagnostic Center	111	16.5	30
Kamehameha Conditional Release Center	—	16.0	15
Laumaka Conditional Release Center	—	16.5	15
Kulani Honor Camp	11	53.5	160
Halawa Correctional Facility ¹	2,041	144.0	224
Hawaii Community Correctional Facility ²	465	16.7	36
Maui Community Correctional Facility	330	11.5	25
Kauai County Jail	162	3.1	14
Hawaii Youth Correctional Facility	216	75.0	200
Boys	176	59.5	...
Girls	40	15.5	...

¹Formerly Honolulu Jail. Transferred to State control January 1, 1975.

²Formerly Hawaii County Jail. Transferred to State control July 1, 1975.

Source: Hawaii State Department of Social Services and Housing, Corrections Research and Statistics Bureau and Hawaii Community Correctional Facility, records; Kauai Police Department, records.

SECTION 5

GEOGRAPHY AND ENVIRONMENT

This section relates to area, climatologic, topographic, hydrologic, noise and other geographic and environmental measurements of Hawaii.

The State consists of eight major islands and 124 minor islands with a total land area of 6,425 square miles and a general coastline of 750 miles. Honolulu is 214 miles from Hilo, 1,367 miles from Kure Atoll (the westernmost end of the State), and 2,397 miles from San Francisco. The highest peak in the State is Mauna Kea, 13,796 feet above sea level; the longest stream is Kaukonahua Stream, Oahu, 33 miles in length; the biggest lake is Halalii, on Niihau, 841 acres; and the highest named waterfall is Kahiwa, Molokai, a 1,750-foot cascade. Various measures of air pollution, such as suspended particulate matter, indicate that Honolulu is one of the cleanest cities in the nation. There is also very little water pollution: 29 out of 35 major Oahu beaches were rated "A" in 1975 (coliform not exceeding 50 per 100 ml.), only six were rated "B" (51-500), and none was rated "C" (501 or more). Climatically, Hawaii is marked by remarkably balmy temperatures and wide variations in rainfall. The all-time temperature range in downtown Honolulu, for example, is from 57° to 88° F. Normal precipitation, however, ranges from 5.7 inches near Kawaihae, South Kohala, to 486 inches atop Waialeale. The longest volcanic eruption in Island history lasted 875 days, the worst earthquake attained 7.5 on the Richter scale, and the highest tsunami wave reached 66 feet. Water withdrawn for use in 1970 averaged 2.7 billion gallons per day, compared with 2.0 billion in 1965 and 1.5 billion in 1960. Among thirty neighborhoods on Oahu, median noise levels ranged from 44.7 decibels (in Pearl City) to 61.5 decibels (in Waikiki).

Important sources of data include the U.S. Geological Survey, National Ocean Survey, National Weather Service, U.S. Bureau of the Census Geography Division, the Division of Water and Land Development of the State Department of Land and Natural Resources, the State Department of Health, and the University of Hawaii Institute of Geophysics. Detailed information is given in *Hawai'i, the Natural Environment*, published by the Department of Planning and Economic Development in 1974. National data are reported in *Statistical Abstract of the United States: 1975*, Section 6.

Table 65.—GREAT CIRCLE DISTANCES BETWEEN HONOLULU INTERNATIONAL AIRPORT AND SPECIFIED PLACES

Place	Distance from Honolulu		Place	Distance from Honolulu	
	Statute miles	Kilometers		Statute miles	Kilometers
Hawaiian Islands:			Other Pacific locations, con.:		
Cape Kumukahi, Hawaii ¹	236	380	Johnston Island	820	1,319
Hilo, Hawaii ²	214	344	Kingman Reef	1,073	1,726
Ka Lae (South Cape), Hawaii	221	356	Manila, Philippines	5,293	8,516
Kailua, Kona, Hawaii	168	270	Pago Pago, Amer. Samoa	2,606	4,193
Kahului, Maui	98	158	Palmyra Island	1,101	1,772
Lanai Airport	72	116	Papeete, Tahiti	2,741	4,410
Molokai Airport	54	87	Suva, Fiji	3,159	5,083
Lihue, Kauai	103	166	Sydney (Port Jackson), Australia ...	5,070	8,158
Puuwai, Niihau	152	245	Tokyo, Japan	3,847	6,190
Nihoa	283	455	Wake Island	2,294	3,691
Necker Island	520	837	North and South America:		
French Frigate Shoals	556	895	Anchorage, Alaska	2,781	4,475
Gardner Pinnacles	688	1,107	Cape Horn, Chile	7,457	11,998
Maro Reef	851	1,369	Chicago, Illinois	4,179	6,724
Laysan Island	936	1,506	Cristobal, Canal Zone	5,214	8,389
Lisianski Island	1,065	1,714	Los Angeles, California ³	2,557	4,114
Pearl and Hermes Atoll	1,208	1,944	Miami, Florida	4,856	7,813
Midway Islands	1,309	2,106	New York, New York	4,959	7,979
Kure Atoll ¹	1,367	2,200	Portland, Oregon	2,595	4,175
Trust Territory of the Pacific Isl.:			San Diego, California	2,610	4,199
Majuro, Marshall Islands	2,271	3,654	San Francisco, California ²	2,397	3,857
Kwajalein, Marshall Islands	2,443	3,931	Seattle, Washington	2,679	4,311
Kolonia, Ponape, E.C.I.	3,087	4,967	Vancouver, B.C.	2,709	4,359
Saipan, Mariana Islands	3,704	5,960	Victoria, B.C.	2,668	4,293
Koror, Palau, W.C.I.	4,593	7,390	Tijuana, Mexico	2,616	4,209
Other Pacific locations:			Washington, D.C.	4,829	7,770
Apra Harbor, Guam	3,806	6,124	London, England	7,226	11,627
Auckland, New Zealand	4,393	7,068	Bombay, India	8,010	12,888
Hong Kong	5,541	8,915	Ghanzi, Botswana ³	12,417	19,979

¹The great circle distance from Cape Kumukahi to Kure Atoll—the points farthest apart in the Hawaiian Archipelago and State of Hawaii—is 1,523 statute miles (2,451 kilometers). The distance from Kure Atoll to other extreme points in the United States is: West Quoddy Head, Maine, 5,788 miles (9,313 kilometers); Log Point, Elliot Key, Florida, 5,852 miles or 9,416 kilometers (Kure and Log Point are the points farthest apart in the fifty States). Kure is 2,486 miles (4,000 kilometers) from Tokyo, Japan.

²Hilo is 2,315 statute miles (3,725 kilometers) from San Francisco and 2,447 miles (3,937 kilometers) from Los Angeles.

³Ghanzi, Botswana, is Honolulu's antipode, that is, the point precisely opposite to it on the globe.

Source: U.S. Department of the Interior, Geological Survey, *Elevations and Distances in the United States* (1970), and distance computations prepared for the Department of Planning and Economic Development.

Table 66.—AREA AND COASTLINE OF COUNTIES, ISLANDS, AND CITIES

County, island, or city	Total area		Land area ¹		Inland water area ²		General coastline ³		Tidal shoreline ⁴	
	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Statute miles	Km.	Statute miles	Km.
State total	6,450	16,707	6,425	16,642	25	65	750	1,207	1,052	1,693
Counties:										
Hawaii	4,038.0	10,458	4,037.0	10,456	1.0	3	266	428	313	504
Maui	1,161.1	3,007	1,160.3	3,005	0.8	2	} 210	338	343	552
Kalawao	13.3	34	13.3	34	—	—				
Honolulu	610.9	1,582	595.7	1,543	15.2	39					137	220	234	377
Kauai	627.1	1,624	619.1	1,603	8.0	21	137	220	162	261
Islands:										
Hawaii	4,038.0	10,458	4,037.0	10,456	1.0	3	266	428	313	504
Maui	728.8	1,888	728.2	1,886	0.6	2	120	193	149	240
Kahoolawe	45.0	117	45.0	117	—	—	29	47	36	58
Molokini	(⁵)	(⁵)	(⁵)	(⁵)	—	—	...	...	...	...
Lanai	139.5	361	139.5	361	—	—	47	76	52	84
Molokai	261.1	676	260.9	676	0.2	1	88	142	106	171
Oahu	607.7	1,574	592.7	1,535	15.0	39	112	180	209	336
Kauai	553.3	1,433	548.7	1,421	4.6	12	90	145	110	177
Niihau	73.0	189	69.6	180	3.4	9	45	72	50	80
Lehua	0.4	1	0.4	1	—	—	...	...	...	...
Kaula	0.4	1	0.4	1	—	—	2	3	2	3
Northwestern Haw'n. I. ⁶ . . .	3.2	8	3.0	8	0.2	1	25	40	25	40
Cities:										
Hilo ⁷	298.9	774	298.9	774	—	—	...	...	...	...
Honolulu ⁸	88.7	230	86.6	224	2.1	5	...	...	...	...
On Oahu	85.5	221	83.6	217	1.9	5	...	...	...	...

¹Dry 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.

²Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth of a 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.

³Figures are lengths of general outline of seacoast. Measurements were made with a unit measure of 30 minutes of latitude on charts as near the scale of 1:1,200,000 as possible. Coastline of bays is included to a point where they narrow to width of unit measure, and includes the distance across at such point. Figures for the four islands of Maui county are not consistent with the published county total.

⁴Figures obtained in 1939-1940 with a recording instrument on the largest-scale charts and maps then available. 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.

⁵The area of Molokini is 18.6 acres (0.03 square miles or 7.5 hectares).

⁶The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, but exclusive of the Midway Islands (which are part of the Hawaiian Archipelago but not legally part of the State of Hawaii).

⁷As defined in Hawaii Revised Statutes, Sec. 70-1. As defined for statistical purposes under provisions of Sec. 26-18, Hilo has a land area of 56.1 square miles or 145 square kilometers.

⁸As defined for statistical purposes under HRS, Sec. 26-18. Includes the Northwestern Hawaiian Islands from Nihoa to Kure Atoll, exclusive of the Midway Islands.

Source: Data from Geography Division, U.S. Bureau of the Census, and U.S. Coast and Geodetic Survey, cited in the Hawaii State Department of Planning and Economic Development, *Hawai'i, the Natural Environment* (1974), pp. 9 and 13.

Table 67.—MAJOR SUMMITS
(Elevation of the highest point on each island and other important peaks.)

Island and mountain	Elevation		Island and mountain	Elevation	
	Feet	Meters		Feet	Meters
Hawaii:			Oahu:		
Mauna Kea ¹	13,796	4,205	Kaala	4,020	1,225
Mauna Loa	13,677	4,169	Konahuanui ²	3,150	960
Hualalai	8,271	2,521	Tantalus	2,013	614
Kohala	5,480	1,670	Olomana	1,643	501
Kilauea (Uwekahuna)	4,090	1,247	Diamond Head	760	232
Kilauea (Halemaumau Rim)	3,646	1,111	Punchbowl	500	152
			Koko Head	642	196
Kahoolawe:			Kauai:		
Lua Makika	1,477	450	Kawaiikini	5,243	1,598
			Waialeale	5,148	1,569
Maui:			Niihau:		
Haleakala (Red Hill)	10,023	3,055	Paniau	1,281	390
Haleakala (Kaupo Gap)	8,201	2,500			
Puu Kukui	5,788	1,764	Kaula	550	168
Iao Needle	2,250	686	Nihoa	910	277
			Necker Island	277	84
Lanai:			La Perouse Pinnacle	135	41
Lanaihale	3,370	1,027	Gardner Pinnacles	190	58
			Maro Reef	Awash	Awash
Molokai:			Laysan Island	35	11
Kamakou	4,970	1,515	Lisianski Island	20	6
Puu Nana	1,381	421	Pearl and Hermes Atoll	—	—
			Midway Islands ³	12±	4±
			Kure Atoll	20	6
			Kingman Reef ³	3	1
			Palmyra Islands ³	6	2

¹Includes 19 cones over 11,000 feet, five of them over 13,000.

²Two distinct peaks. The lower has an elevation of 3,105 feet.

³Not part of the State of Hawaii.

Source: U.S. Geological Survey data cited in the Hawaii State Department of Planning and Economic Development, *Elevations of Major Mountains in Hawaii* (Statistical Report 52, November 7, 1967), as revised.

Table 68.—MAJOR STREAMS, LAKES, AND WATERFALLS

Subject	Name	Island	Magnitude
Streams:			
Longest water feature (miles)	Kaukonahua Stream	Oahu	33.0
Second longest water feature (miles)	Wailuku River	Hawaii	32.0
Greatest average discharge (million gal. per day)	Wailuku River	Hawaii	184.0
Lakes:			
Greatest area (acres)—			
Natural, intermittent	Halalii Lake	Niihau	841
Natural, perennial	Halulu Lake	Niihau	182
Man-made	Waita Reservoir	Kauai	422
Longest shoreline (miles)	Wahiawa Reservoir	Oahu	11
Deepest (feet)	Wahiawa Reservoir	Oahu	85
Highest (feet above sea level)	Lake Waiau	Hawaii	13,020
Named waterfalls:			
Greatest sheer drop (feet)	Akaka Falls	Hawaii	442
Greatest cascade (feet)	Kahiwa Falls	Molokai	1,750

Source: Hawaii State Department of Planning and Economic Development, *Hawai'i, the Natural Environment* (1974), pp. 15, 16 and 18.

Table 69.—VOLCANIC ERUPTIONS: 1959 TO 1975

Volcano and date of outbreak	Repose period since previous eruption (months)	Duration (days)	Location	Altitude (feet)	Area (square miles)	Volume (1,000 cubic yards)
Mauna Loa:						
1975: July 5	300	<1	Summit	13,000 12,100	5.2	39,200
Kilauea:						
1959: Nov. 14	53.5	36	Kilauea Iki	3,500	0.24	51,000
1960: Jan. 12	0.8	36	E. rift	100	4.1	155,000
1961: Feb. 24	12.2	1	Halemaumau	3,150	0.02	30
Mar. 3	0.2	22	Halemaumau	3,150	0.1	350
July 10	3.5	7	Halemaumau	3,150	0.4	17,300
Sept. 22	2.2	3	E. rift	2,600-1,300	0.3	3,000
1962: Dec. 7	14.4	2	E. rift	3,250-3,100	0.02	430
1963: Aug. 21	8.4	2	E. rift	3,150-2,700	0.06	1,100
Oct. 5	1.4	<1	E. rift	2,750-2,300	1.3	9,000
1965: Mar. 5	17.0	10	E. rift	3,000-2,300	3.0	23,000
Dec. 24	9.5	<1	E. rift	3,150-3,000	0.23	1,160
1967: Nov. 5	23.3	251	Halemaumau	3,150	0.25	110,000
1968: Aug. 22	1.3	5	E. rift	2,900-1,900	0.01	176
Oct. 7	1.3	15	E. rift	3,000-2,400	0.8	9,000
1969: Feb. 22	4.0	6	E. rift	3,100-2,900	2.3	22,000
May 24	2.0	867	E. rift	3,150	19.3	242,000
1971: Aug. 14	—	<1	Caldera	3,660-3,600	0.8	12,400
Sept. 24	—	5	Caldera, SW rift	3,740-2,730	1.5	10,500
1972: Feb. 4	4.3	455	E. rift	3,150	13.5	163,800
1973: May 5	—	<1	E. rift	3,340-3,250	0.1	1,600
May 7 ¹	—	187	...	...	0.2	3,200
Nov. 10	—	30	E. rift	3,250-2,900	0.4	3,700
Dec. 12	1.1	203	E. rift	3,150	3.1	39,300
1974: July 19	—	3	Caldera, E. rift	3,600-3,520	1.2	9,000
Sept. 19	2.0	<1	Caldera	3,680	0.4	14,000
Dec. 31	3.4	<1	Caldera	3,600	2.9	19,600
1975: Nov. 29	11.0	<1	Caldera	3,600	0.05	330

¹Listed by Tilling but not by Macdonald and Hubbard (see source).

Source: Gordon A. Macdonald and Douglass H. Hubbard, *Volcanoes of the National Parks in Hawaii*, 7th edition (Hawaii Natural History Association, December 1974), pp. 14 and 29, as corrected by Dr. Macdonald, May 5, 1976, and updated by Robert I. Tilling, Hawaiian Volcano Observatory, April 28, 1976 and May 21, 1976. Correct to December 31, 1975.

**Table 70.—EARTHQUAKES OF MAGNITUDE 5 OR GREATER:
1957 TO 1975**

Date	Location	Magnitude (Richter Scale)
1957: Aug. 18	E. of Hana, Maui	5.6
1961: Sept. 25	Hawaii	5.75-6
1962: June 27	Hawaii	6.1
June 28	Hawaii	5.75
1963: Oct. 23	Hawaii	5.4
1964: Oct. 11	W. of S. Kona	5.3
Dec. 10	Hawaii	5
1969: May 9	Hawaii	5
1971: Aug. 1	S.E. of Hawaii	4.5-5
1972: Dec. 23	W. of Kona	5
1973: Apr. 26	Hawaii	6.2
Oct. 9	Hawaii	4.8-5
1974: Nov. 30	Hawaii	5.5-6
1975: Jan. 1, 2:41 AM	Near Pahala, Hawaii	5.1
Jan. 1, 3:20 AM	Mauna Loa, Hawaii	5.1
Jan. 2	Near Pahala, Hawaii	5.6
Jan. 5	Mauna Loa, Hawaii	5.1
Nov. 29, 3:35 AM	Puna, Hawaii	5.7
Nov. 29, 4:47 AM	Puna, Hawaii	7.2

Source: Augustine S. Furumoto, N. Norby Nielsen, and William R. Phillips, *A Study of Past Earthquakes, Isuseismic Zones of Intensity and Recommended Zones for Structural Design for Hawaii* (University of Hawaii, Center for Engineering Research, June 15, 1972), pp. 16-19; Hawaii Institute of Geophysics, records. Complete to Sept. 30, 1975; preliminary for Oct. 1-Dec. 31, 1975.

**Table 71.—TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE:
1946 TO 1976**
(Correct to May 26, 1976)

Date	Maximum height in Hawaii		Deaths in Hawaii	Damage in Hawaii (dollars)
	Meters	Feet		
1946: April 1	17.0	55.8	159	26,000,000
1952: Nov. 4	6.1	20.0	—	1,000,000
1957: March 9	16.0	52.5	—	5,000,000
1960: May 22	10.5	34.5	61	23,000,000
1964: March 27	4.8	15.7	—	67,590
1975: Nov. 29	7.9	26.0	2	1,500,000

Source: George Pararas-Carayannis, *Catalog of Tsunamis in the Hawaiian Islands* (U.S. Coast and Geodetic Survey, May 1969); Robert C. Schmitt, "Catastrophic Mortality in Hawaii," *The Hawaiian Journal of History*, Vol. III (1969), pp. 66-86; Hawaii Institute of Geophysics, records; Harold G. Loomis, *The Tsunami of November 29, 1975 in Hawaii* (Hawaii Institute of Geophysics, December 1975), pp. 1 and 10.

Table 72.—WATER USE: 1960 TO 1975
(In millions of gallons per day, unless otherwise specified.)

Subject	1960	1965	1970	1975
Water withdrawn ¹	1,500	2,000	2,700	2,540
Ground water	600	820	920	890
Fresh	580	780	910	890
Saline	21	37	13	2
Surface water	860	1,200	1,700	1,650
Fresh	600	670	850	670
Saline	260	500	860	980
Reclaimed sewage	—	—	66	—
Withdrawn for irrigation	920	1,160	1,280	950
Conveyance losses	100	200	220	450
Used for hydroelectric power	(NA)	360	330	260
Fresh water consumed	410	580	810	600
Per capita use (gallons per day)	2,500	2,800	3,500	3,140

NA Not available.

¹Excludes water used for hydroelectric power. Irrigation conveyance losses excluded in 1960 and included thereafter.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States* for 1960 (Circular 456, 1961), 1965 (Circular 556, 1968), and 1970 (Circular 676, 1972), and unpublished 1975 data (1976).

Table 73.—AVERAGE DAILY WATER CONSUMPTION FROM COUNTY WATERWORKS: 1958 TO 1975
(In millions of gallons)

Year	Total	City of Honolulu ¹	Rest of Oahu ²	Hawaii County ³	Kauai County ⁴	Maui County ⁵
1958	(NA)	41.9	11.3	3.17	(NA)	4.63
1959	63.7	39.8	13.0	3.19	2.62	5.11
1960	69.5	41.9	16.0	3.40	2.78	5.49
1961	70.5	41.4	17.4	3.51	2.60	5.61
1962	72.8	41.7	19.4	3.77	2.49	5.45
1963	75.6	43.0	21.4	3.79	2.51	4.90
1964	81.3	44.3	24.0	4.15	2.72	6.15
1965	82.6	45.5	24.0	4.59	2.97	5.57
1966	89.1	48.4	26.1	5.03	3.15	6.42
1967	(NA)	51.0	28.0	(NA)	3.05	6.22
1968	95.3	51.5	29.1	5.38	3.28	6.06
1969	106.2	56.3	33.5	5.94	3.44	7.06
1970	115.5	59.8	37.0	6.67	4.11	7.94
1971	117.9	60.4	37.7	7.16	4.06	8.55
1972	125.1	62.4	40.7	8.02	4.34	9.63
1973	135.7	67.2	44.4	8.99	4.66	10.45
1974	133.6	65.6	43.0	9.32	5.04	10.69
1975	138.3	65.3	45.9	9.63	5.20	12.29

NA Not available.

¹Amount supplied, 1958; consumption, 1959 and later years. Data refer to calendar years through 1960, the six-month period ended June 30, 1961, and years ended June 30, 1962 and thereafter.

²Water sales, 1958; consumption, 1959 and later years. Data refer to calendar years through 1960, the six-month period ended June 30, 1961, and years ended June 30, 1962 and thereafter.

³Total water consumption for all years. Data refer to calendar years through 1966 and years ended June 30 thereafter.

⁴Water sales for all years. Data refer to years ended June 30.

⁵Total consumption for all years. Data refer to calendar years through 1965, the six-month period ended June 30, 1966, and years ended June 30, 1967 and thereafter.

Source: Honolulu Board of Water Supply, *Supplement to the Annual Report* for 1963-1975, and records; Hawaii County Department of Water Supply, records; Kauai County Department of Water, records; Maui County Department of Water Supply, *Annual Report . . . 1975*, p. 36, and records.

Table 74.—WATER QUALITY AT OAHU BEACHES: 1974 AND 1975

Beach	Number of samples		Coliform density (geometric mean, MPN/100 ml)	
	1974	1975	1974	1975
Ala Moana Park (Ewa)	54	38	17	8.2
Ala Moana Park (Center)	54	32	9	3.9
Ala Moana Park (Diamond Head)	54	35	8	11.1
Bellows Air Force Beach	10	9	11	12.0
Elks Club Beach	53	39	8	20.8
Ewa Beach	12	11	15	6.9
Fort DeRussy Beach	54	29	23	36.8
Gray's Beach	53	44	24	28.0
Haleiwa Park Beach	12	8	10	12.1
Hanauma Bay	11	11	6	4.8
Hauula Park Beach	12	10	3	6.4
Kaaawa Park Beach	12	10	10	17.6
Kahala Beach	8	9	39	46.2
Kahala Hilton Beach	8	9	48	22.4
Kahana Park Beach	12	10	194	228.6
Kahanamoku Beach	55	34	13	18.8
Kahanamoku Lagoon (Ewa)	52	24	120	288.7
Kahanamoku Lagoon (Diamond Head)	53	36	200	148.4
Kailua Park Beach	11	8	12.7	26.3
Kalama Beach	10	8	26.2	51.3
Kawela Bay	12	6	27	12.8
Kokokahi Pier	11	14	95	35.1
Kuhio Beach	53	41	45	41.7
Lanikai Beach	10	6	33.8	74.5
Makaha Beach	12	11	2	3.1
Nanakuli Park Beach	12	11	3	2.9
Public Bath Beach	53	43	5	6.9
Punaluu Park Beach	12	10	36	85.3
Sandy Beach (East)	10	11	2	3.8
Sandy Beach (West)	11	9	2	3.2
Tavern Beach	52	40	11	9.8
Waianae Park Beach	12	11	7	5.1
Waikiki Natatorium	34	29	6	4.9
Waimanalo Park Beach	10	10	6	6.0
Waimanalo Surfer's Beach	10	8	7	9.7

Source: Hawaii State Department of Health, Pollution Investigation and Enforcement Branch, records.

Table 75.—DAILY REFUSE, FOR OAHU: 1970
 (Excludes agricultural and military refuse.)

Kind of refuse	Tons
Total refuse	2,236
Combustible:	
Paper	635
Trimmings	362
Rags	23
Wood	494
Food	51
Plastics and miscellaneous	20
Non-combustible:	
Metal	127
Glass	63
Demolition material	461

Source: Metcalf & Eddy, *Solid Waste Management Plan for City and County of Honolulu* (July 1971), p. 61.

**Table 76.—SUSPENDED PARTICULATE MATTER,
FOR HONOLULU: 1957 TO 1975**

(Sampling conducted from roof of Health Department Building. Annual mean levels over 80 ug/m³ may affect human health.)

Year	Mean micrograms per cubic meter
1957	47
1958	59
1959	63
1960	47
1961	43
1962	41
1963	42
1964	44
1965	41
1966	35
1967	38
1968	45
1969	43
1970	37
1971	45
1972	41
1973	34
1974	35
1975	40

Source: Hawaii State Department of Health, *Statistical Report* (annual) and records.

Table 77.—AIR POLLUTANT EMISSIONS, BY SOURCE AND COUNTY: 1970

(In tons per year)

Source or county	Sulphur oxides	Particulates	Carbon monoxide	Hydrocarbons	Nitrogen oxides
Total	58,000	51,000	506,000	119,000	74,000
Source:					
Motor vehicles	1,000	1,420	413,500	67,900	40,700
Aircraft	570	1,390	4,570	3,810	1,250
Vessels	1,490	160	400	100	610
Other transportation	420	240	3,040	3,460	3,220
Fuel combustion in stationary sources	53,000	25,000	1,550	3,200	25,000
Residential, commercial, institutional	12,200	490	83	170	3,470
Industrial	12,000	910	11	160	3,000
Agricultural	2,550	22,800	1,450	2,200	3,900
Steam-electric utilities	26,200	1,150	6	700	14,800
Solid waste disposal	400	5,800	24,600	8,700	1,900
Industrial process losses	1,280	11,800	270	20,200	200
Agricultural field burning	(N)	4,860	57,200	11,440	1,140
County:					
City and County of Honolulu	50,500	23,800	368,000	86,100	57,800
Hawaii County	3,000	15,000	61,000	14,500	7,400
Kauai County	1,200	6,600	30,400	7,200	3,400
Maui County	3,400	5,600	46,600	10,900	5,400

N Negligible.

Source: Hawaii State Department of Health, Environmental Protection and Health Services Division, records (revised May 1973.)

Table 78.—AEROMETRIC SURVEY DATA FOR SPECIFIED LOCATIONS: 1975

Subject	DOH Bldg. ¹	Kalihi Kai	Pearl City	Barbers Point	Waimanalo	Ala Moana	Kahului, Maui ²	Kihei, Maui ²	Hilo, Hawaii	Lihue, Kauai
Minimum:										
Particulate matter ³	12	24	25	13	13	41	15	40	12	16
Sulfur dioxide ³	< 5	< 5	< 5	< 5	—	< 5	< 5	—	< 5	< 5
Nitrogen dioxide ³	< 20	< 20	< 20	< 20	—	< 20	< 20	—	< 20	< 20
Carbon monoxide, 1 hr. ⁴	0.9	—	—	—	—	—	—	—	—	—
Photochemical oxidants ³	6	—	—	—	—	—	—	—	—	—
Maximum:										
Particulate matter ³	96	92	128	137	65	152	127	296	89	96
Sulfur dioxide ³	31	34	10	11	—	9	149	—	32	13
Nitrogen dioxide ³	70	71	43	25	—	64	32	—	29	21
Carbon monoxide, 1 hr. ⁴	27.4	—	—	—	—	—	—	—	—	—
Photochemical oxidants ³	65	—	—	—	—	—	—	—	—	—
Annual average:										
Particulate matter ³	40	51	67	52	29	64	63	112	30	40
Sulfur dioxide ³	9	< 5	< 5	< 5	—	< 5	30	—	< 5	< 5
Nitrogen dioxide ³	33	31	23	11	—	26	17	—	16	< 20

¹South Beretania and Punchbowl Streets, Honolulu. Carbon monoxide sampled for only 11 months.

²Sampled for 11 months.

³Concentration in micrograms per cubic meter.

⁴Concentration in milligrams per cubic meter.

Source: Hawaii State Department of Health. Environmental Protection and Health Services Division, records.

Table 79.—NOISE LEVELS IN VARIOUS NEIGHBORHOODS ON OAHU: 1974

[Noise measurements were taken at 578 stations distributed over the populated areas on Oahu, except Waialua, Haleiwa and small communities along the north shoreline. Noise readings were not taken in these areas because previous noise measurements in these communities were similar to noise levels in Waimanalo and Olomana areas. The noise measurement stations were randomly distributed over the communities.

Since one of the objectives of this noise survey was to establish the existing ambient and residual noise levels of each community, the noise readings at each station were taken as far as possible away from all heavily used roads and freeways. Loud identifiable noise from nearby traffic, airplane passing overhead, dogs barking and noise from other sources were also measured. The noise readings at any location were taken on three or more widely separated days. This was done to avoid any abnormal noise conditions. In densely populated areas, the noise survey was conducted between the hours of 4:00 a.m. to 10:00 a.m., 9:00 a.m. to 5:00 p.m. and 4:00 p.m. to 2:00 a.m. In less populated areas west of Pearl City, Wahiawa and Mililani Town, the noise readings were taken during the daytime only.]

Neighborhood	Noise level (in decibels) exceeded—		
	10 percent of time	50 percent of time	90 percent of time
HONOLULU			
Aina Haina	53.5	45.0	40.0
Aina Koa	61.0	48.4	42.3
Downtown	67.0	58.0	50.5
Hawaii Kai	57.0	46.5	40.5
Kahala	56.7	45.5	42.0
Kaimuki	59.0	50.7	44.0
Kalihi	58.0	50.2	43.7
Kapahulu	55.0	49.7	44.0
Kapalama-Liliha	63.8	56.0	46.0
Kuliouou	53.5	46.3	40.5
Makiki	64.5	55.0	49.5
Manoa	58.7	45.3	40.0
Moiliili	62.0	55.0	50.0
Niu Valley	57.0	46.7	39.5
Nuuanu	63.0	50.1	45.4
Palolo	58.5	49.4	44.0
Pawaa	65.5	60.0	54.0
Waikiki	69.0	61.5	54.0
Waialae-Iki	60.0	50.5	41.5
Ward to Punchbowl	67.5	60.2	57.0
REST OF OAHU			
Aiea-Waimalu	57.5	47.3	40.5
Halawa Heights, Foster Village, Salt Lake, Aliamanu	57.5	54.5	48.7
Kailua	55.5	45.0	37.5
Kaneohe	54.0	45.5	40.5
Mililani Town	57.5	50.0	45.0
Pearl City	53.2	44.7	38.7
Wahiawa	62.5	50.5	46.0
Waianae	56.5	50.0	45.0
Waimanalo	54.5	50.0	44.5
Waipahu	59.0	51.0	45.5

Source: Survey conducted by Dr. Iwao Miyake for the Hawaii State Department of Health, and summarized by the Noise and Radiation Branch, Department of Health.

**Table 80.—NOISE COMPLAINTS RECEIVED BY THE HONOLULU POLICE
DEPARTMENT: 1973 TO 1975**

Type of noise	1973	1974	1975
All noise complaints	9,009	8,741	15,536
Loud party, music, singing, TV, radio, etc.	4,809	4,081	3,255
Loud talking, yelling, crying, etc.	909	1,700	6,508
Loud vehicle	979	604	763
Loud equipment, construction noises	329	231	156
Noisy animals	998	788	623
Unspecified noises	985	1,337	4,231

Source: Honolulu Police Department, records.

Table 81.—CLIMATIC DATA FOR SELECTED PLACES

Island and station	Ground elevation (feet)	Average temperature (°F)		Extreme temperature of record (°F)		Average annual precipitation (inches)	Average annual possible sunshine (percent)
		Coolest month	Warmest month	Lowest	Highest		
Hawaii:							
Hilo Airport	27	71.0	75.9	53	94	133.57	38
Hawaii Volcanoes Nat. Park Hdq.	3,971	57.6	63.2	37	85	102.81	...
Kona (Kailua)	30	72.1	77.3	54	93	25.22	...
Puako ¹	10	73.1	79.8	52	98	9.47	...
Waimea (Kamuela)	2,670	62.3	66.8	34	90	40.05	...
Mauna Kea summit ²	13,796	31.1	42.5	11	66	8.08	...
Maui:							
Hana	120	71.3	76.8	50	90	70.65	...
Haleakala summit	9,960	42.6	50.0	14	73	50.69	...
Kihei ³	90	70.9	78.4	49	98	13.79	...
Kahului Airport	48	71.6	78.8	48	95	18.43	70
Lahaina	45	71.5	78.0	52	93	15.51	...
Molokai:							
Kaunakakai	12	...	...	...	...	14.08	...
Molokai Airport	450	70.2	77.6	48	90	29.21	...
Lanai:							
Lanai City	1,620	65.8	72.8	46	88	38.44	...
Oahu:							
Honolulu International Airport ..	7	72.3	80.7	52	92	22.90	69
Honolulu Federal Building ⁴	12	72.0	78.6	57	88	25.35	65
Waikiki ⁵	10	71.9	80.6	51	93	27.32	...
Manoa (HSPA)	500	69.4	75.2	...	...	158.41	...
Kaneohe MCAS	10	72.9	79.1	58	90	43.88	...
Kahuku	25	71.6	78.8	49	95	41.10	...
Wheeler AFB	826	68.2	75.5	52	89	39.85	...
Waianae	20	72.1	79.7	45	96	20.31	...
Kauai:							
Kilauea	315	68.7	75.6	49	94	68.03	...
Kealia	9	70.2	78.0	44	93	43.28	...
Lihue Airport	103	71.2	79.1	50	90	44.18	55
Poipu (Makahuena Pt.)	52	72.4	79.4	50	93	36.39	...
Kokee (Kanalohuluhulu)	3,600	54.9	65.5	31	80	72.25	...
Waialeale	5,075	...	...	...	...	486.	...
Northwestern Hawaiian Islands:							
Midway	10	65.0	78.6	52	89	43.60	...

¹ Temperature data are for Mahukona.

² Based on incomplete and non-continuous data for 1966-1972.

³ Temperature data refer to Puunene Airport.

⁴ Temperature sensors are 87 feet above the ground.

⁵ Located at Honolulu Zoo. Available only from 1965.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service Pacific Region, data supplied March 17, 1976.

Table 82.—CLIMATIC DATA FOR THE PERIOD OF RECORD

Subject	Date	Place	Magnitude
Long-term averages:			
Lowest monthly average minimum temperature (°F.)	February	Mauna Kea summit	23.3
Lowest monthly average daily temp. (°F.)	February	Mauna Kea summit	31.1
Highest monthly average maximum temperature (°F.)	August	Waiawa, Kauai	89.7
Highest monthly average daily temp. (°F.)	August	Puako, Hawaii	80.7
Lowest average annual rainfall (inches)		N. of Kawaihae	5.7
Highest average annual rainfall (inches)		Waialeale	486
Single events:			
Lowest temperature of record (°F.)	Feb. 11, 1973	Mauna Kea summit	11.
Highest temperature of record (°F.)	April 27, 1931	Pahala, Hawaii	100.
Lowest annual rainfall of record (inches)	1953	Kawaihae, Hawaii	0.2
Highest annual rainfall of record (inches)	1947-1948	Waialeale	624.
Highest wind speed of record (m.p.h.)	Jan. 17-18, 1959	Mauna Loa Obser.	105+

Source: U.S. Department of Commerce, National Weather Service, Pacific Region, data supplied March 14, 1973.

Table 83.—TEMPERATURE AND RAINFALL, FOR SPECIFIED LOCATIONS: 1960 TO 1975

Year	Average temperature (°F.): Honolulu Federal Bldg.			Extreme temps. (°F.): Honolulu Fed. Bldg.		Annual rainfall (inches)				
	Annual	February	August	Lowest	Highest	Honolulu Fed. Bldg.	Hilo Airport	Holualoa Beach	Lahaina	Koloa
1960	75.6	71.9	79.2	60	86	16.23	146.80	18.08	6.62	72.05
1961	76.1	73.7	79.3	61	87	18.40	119.70	31.05	24.00	67.49
1962	75.6	71.7	78.2	58	85	15.47	71.45	20.60	14.90	70.99
1963	75.5	72.6	78.9	61	86	45.51	124.75	35.42	22.56	70.95
1964	75.8	73.5	78.3	62	85	19.96	166.44	28.42	14.57	94.83
1965	75.2	69.3	78.6	60	87	43.85	127.29	39.79	23.85	89.31
1966	75.7	70.9	78.8	58	86	25.54	124.01	23.14	13.01	58.67
1967	76.0	73.5	79.6	60	87	37.63	154.00	31.10	28.48	86.23
1968	77.0	73.0	80.9	63	88	36.24	134.14	48.86	25.87	84.00
1969	74.8	71.9	78.7	59	86	26.71	173.23	32.89	10.09	72.42
1970	75.5	71.7	78.9	59	85	18.35	153.98	20.78	11.95	64.45
1971	75.4	73.5	78.5	59	85	28.61	140.69	37.61	15.93	75.33
1972	75.0	71.2	78.8	61	88	26.72	98.85	33.22	20.21	66.72
1973	74.8	70.8	78.1	62	85	18.66	107.97	14.85	10.13	66.78
1974	75.9	73.8	79.0	63	86	28.24	117.34	40.49	13.01	86.35
1975	74.6	72.1	77.5	61	85	24.63	99.93	25.97	12.19	49.91

Source: U.S. Department of Commerce, National Weather Service, Pacific Region, records.

Table 84.—TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 1960 TO 1975

Date	City and County streets and highways ¹		Trees in City and County parks
	Length in miles	Trees	
1960: Apr.-June	784.0	19,472	(NA)
1965: June 30	815.54	22,475	(NA)
1970: June 30	933.58	46,290	63,500
1971: June 30	958.13	54,146	64,500
1972: June 30	974.30	61,023	65,000
1973: June 30	987.00	70,497	65,500
1974: June 30	999.80	82,635	65,800
1975: June 30	1,022.00	88,654	68,300

NA Not available.

¹Excludes Federal, State, and private thoroughfares.

Source: Harland Bartholomew and Associates, *1960 Survey of Oahu Street Trees, City and Co. of Honolulu, State of Hawaii* (Department of Parks and Recreation, 1960), p. 6; Honolulu Department of Parks and Recreation, Conservation and Beautification Division, records.

Table 85.—HAWAII AUDUBON SOCIETY BIRD COUNTS OF THE HONOLULU AREA: 1958 TO 1975

(Counts are made in late December, in a circle, 15 miles in diameter, centered near Nuuanu Pali.)

Year	Species	Individual birds	Species ¹	Individual birds: 1975
1958	34	7,457	Endemic species:	
1959	34	4,076	'Amakihi	103
1960	34	4,656	Black-necked Stilt	97
1961	39	3,954	'Apapane	72
1962	39	2,969		
1963	35	7,963	Indigenous species:	
1964	34	10,139	Red-footed Booby	549
1965	46	11,820+	Great Frigatebird	245
1966	51	12,557		
1967	51	22,641	Introduced species:	
1968	49	11,024	Common Mynah	2,211
1969	53	13,236	Barred Dove	1,557
1970	51	10,454	Japanese White-eye	1,099
1971	50	13,218	Spotted Dove	1,072
1972	52	14,559		
1973	48	9,574	Migratory species:	
1974	44	10,263	Pacific Golden Plover	928
1975	54	12,008	Ruddy Turnstone	109

¹Endemic birds numbering more than 50 individuals, indigenous birds more than 200, introduced birds more than 1,000 and migratory species and stragglers more than 100. Endemic birds are those peculiar to a particular region, in this case Hawaii, and therefore found nowhere else in the world; indigenous birds are those native to a given region, in this case Hawaii, but with a total range of distribution encompassing a much wider area. The classification is that reported in Andrew J. Berger, *Hawaiian Birdlife* (1972).

Source: Hawaii Audubon Society, *The Elepaio* for February 1968–February 1976.

Table 86.—ENDANGERED, THREATENED, AND EXTINCT SPECIES OF NATIVE HIGHER PLANTS: 1974

Status	Species, subspecies, and varieties	Percent
Total native flora	2,200	100.0
Endangered, threatened, or extinct ¹	1,088	49.5
Endangered	639	29.0
Threatened	194	8.8
Extinct	255	11.6
Not endangered, threatened, or extinct ..	1,112	50.5

¹ For the other 49 States, 2,099 (or 10.5 percent) of all 20,000 native higher plants are endangered, threatened, or extinct.

Source: 94th Congress, 1st Session, House Document No. 94-51, *Report on Endangered and Threatened Plant Species of the United States*, presented to the Congress of the United States of America by the Secretary, Smithsonian Institution, 15 December 1974, p. 11 (percentages recalculated by DPED).

SECTION 6

LAND USE AND OWNERSHIP

General statistics on the use, ownership, and tenure of land appear in this section. Information on specific use or ownership categories is given elsewhere: parks in section 7, military land in section 10, farms in section 18, and forests in section 19.

Out of the 4,128,000 acres in the State, fully 2,490,000 are in unused open space. Other major categories include agriculture, with 1,220,000 acres, services (including military installations), with 116,000, and recreation, with 94,000. In the Honolulu Standard Metropolitan Statistical Area (which is coterminous with Oahu), land in residential use increased from 16,500 acres in 1964 to 26,500 in 1974; during the same ten-year span, agricultural land declined from 94,500 to 76,100 acres. For the State as a whole, the Land Use Commission has zoned 148,900 acres as "urban," 1,977,000 as "conservation," 1,976,700 as "agricultural," and 8,900 as "rural".

Recent data on land ownership indicate that the Federal government owns 7.3 percent of all land, the State and counties own 34.7 percent, and private owners (chiefly large estates) have 58.0 percent. Total Federal holdings come to 418,000 acres, exclusive of leased land (49,000 acres); most of the Federal land is in park and military use.

Considerable caution is necessary in comparing statistics from different sources on land use, ownership, or tenure. Variations in definitions and survey dates seriously affect comparability in many instances, even where terminology is relatively unambiguous and misinterpretation seems unlikely. An example of such difficulties is the wide range in estimates of Federal land, with Federal totals ranging from 297,000 acres to 418,000. Recent statistics on military land use are likewise confusing, going as high as 174,000 acres and as low as 56,000.

Reports of the U.S. General Services Administration, Hawaii State Department of Hawaiian Home Lands, Department of Land and Natural Resources, Department of Planning and Economic Development, Department of Taxation, Department of Transportation, and Land Use Commission, the Land Study Bureau of the University of Hawaii, and county planning departments provided the data for this section. Greater detail appears in DPED Statistical Report 98, *Land Use and Ownership Trends in Hawaii*, issued December 28, 1973. Statistics for the nation as a whole are available in Sections 7 and 23 of the *Statistical Abstract of the United States: 1975*.

Table 87.—LAND USE ACREAGES, BY ISLAND: 1968

Land use	Six islands	Kauai	Oahu	Molokai	Lanai	Maui	Hawaii
All uses	4,050,176	354,112	388,928	167,104	89,280	466,432	2,584,320
Pineapple	69,276	2,699	18,987	17,276	16,236	14,078	—
Sugar cane	262,377	58,927	40,852	4	—	47,819	114,775
Nonplantation agriculture	1,197,688	55,311	51,741	90,072	—	180,511	820,053
Vegetable	6,708	339	2,102	845	—	1,506	1,916
Orchard	24,294	455	1,670	104	—	536	21,529
Grazing	1,150,534	53,637	38,608	86,850	—	176,810	794,629
Other ¹	2,567	547	1,434	2	—	331	253
Idle agricultural land	13,585	333	7,927	2,271	—	1,328	1,726
Forest	289,039	38,716	30,033	2,037	5,926	14,504	197,823
Forest reserve	1,190,954	157,555	118,766	48,338	—	156,035	710,260
Recreation ²	334,256	11,244	5,184	415	66,683	18,980	231,750
Military	38,048	1,886	35,055	316	—	—	791
Urban	155,705	4,550	56,850	1,091	435	6,204	86,575
Civilian	61,233	4,400	36,957	1,091	435	6,204	12,146
Military	17,658	150	17,508	—	—	—	—
Undeveloped subdivision	76,814	—	2,385	—	—	—	74,429
Pali and barren land	503,308	22,235	23,799	7,477	—	27,852	421,945
Quarry	1,462	23	1,077	30	—	85	247
Water	8,063	966	6,584	48	—	364	101

¹Includes water crop (974), forage (423), dairy (738), poultry (275), swine (103), feet lot (38), and salt bed (16).

²Includes game management areas (87,585), national parks (229,423), and other recreation areas (17,248).

Source: A.Y. Ching and T. Sahara, *Land Use and Productivity Rating, State of Hawaii, 1968*, Land Study Bureau Circular No. 15 (University of Hawaii, Land Study Bureau, July 1969), pp. 18-19.

Table 88.—LAND USE, BY COUNTY AND ISLAND: 1971-1974
(In acres)

Land use	State total	Hawaii County (Dec. 1971)	Maui County (Spring 1972)			City and County of Honolulu (Dec. 1974)	Kauai County (May 1972)	
			Maui and Kahoolawe	Lanai	Molokai		Kauai	Niihau
All uses ¹	4,027,395	2,501,132	490,234	89,071	168,256	373,636	357,978	47,088
Residential	67,295	14,326	17,292	256	2,963	26,481	5,968	9
Manufacturing	3,701	538	774	—	754	1,455	177	3
Mfg. services ²	10,232	1,147	657	54	54	2,433	5,880	7
Commercial ³	2,149	387	233	13	38	1,365	113	—
Services ⁴	116,337	29,962	30,986	80	810	51,778	2,336	385
Social and cultural ⁵	6,535	935	1,302	15	93	3,824	361	5
Recreation ⁶	94,098	64,878	18,778	89	34	5,095	5,224	—
Agriculture	1,220,319	683,045	197,900	15,020	37,199	76,124	167,650	43,381
Transportation ⁷	16,360	12,332	776	165	24	1,790	1,273	—
Unused open spaces ⁸	2,490,369	1,693,582	221,534	73,380	126,289	203,290	168,996	3,298

¹Excludes public streets and highways. For total area by island, see *The State of Hawaii Data Book 1975*, table 65.

²Includes warehousing, construction services, and public utilities.

³Retail and wholesale trade.

⁴Includes commercial amusement and recreation, hotels, military installations, government offices, parking, cemeteries, personal services, business and repair services, professional services, and finance, insurance, and real estate.

⁵Educational, cultural, and religious.

⁶Excludes commercial amusement and recreation services.

⁷Includes airports, docks, and land transportation facilities.

⁸Includes vacant land, forest reserve, lakes, steep land, beaches, and undedicated streets.

Source: Hawaii State Department of Planning and Economic Development, *Hawaii County Land Inventory Report: 1972 (1974)*, *Kauai County Land Inventory Report: 1972 (1974)*, and *Maui County Land Inventory Report: 1972 (1974)*; City and County of Honolulu, Department of General Planning, *Oahu Land Use Inventory*, December 1974, special tabulation.

Table 89.—LAND USE, FOR OAHU: 1964 TO 1974
(In acres)

Land use	1964	1969	1974
All uses ¹	381,310	381,935	373,636
Residential ²	16,550	22,676	26,481
Industrial	6,352	6,305	6,069
Commercial	1,450	1,645	1,809
Hotel	73	98	207
Public buildings	4,741	5,226	5,132
Public open spaces	7,861	7,795	7,230
Highways and streets ¹	7,405	8,495	1,874
Agriculture	94,474	88,740	76,124
Military	48,633	47,650	47,294
Unused open space ²	193,774	193,304	201,416

¹Data for 1974 exclude area in public streets and highways (approximately 8,300 acres in 1974).

²Data for 1964 revised for comparability with figures for 1969 and 1974.

Source: State of Hawaii and City and County of Honolulu, *Oahu Transportation Study, 1967 Vol. I, Economic, Population, and Land Use* (undated), p. IV-A-1; Hawaii State Department of Transportation, Advance Transportation Planning Office, 1969 land use files; City and County of Honolulu, Department of General Planning, *Oahu Land Use Inventory*, December 1974, special tabulation.

**Table 90.—LAND AND FLOOR AREA IN COMMERCIAL AND HOTEL USE,
FOR OAHU: 1964 AND 1969**

Land use	Number of establishments	Land area (acres)	Floor area (square feet)	
			Total	Per establishment
Retailing:				
1964	3,746	1,016	10,986,345	2,933
1969	3,906	1,036	13,375,672	3,424
Services, exc. hotels:				
1964	4,862	434	9,146,100	1,881
1969	5,696	602	13,933,747	2,446
Hotels:				
1964	60	73	5,001,017	83,350
1969	81	116	7,571,981	93,481

Source: State of Hawaii and City and County of Honolulu, *Oahu Transportation Study*, Vol. I, *Economic, Population, and Land Use* (1967), p. IV-A-3; Hawaii State Department of Transportation, 1969 land use files from Oahu Transportation Planning Program.

Table 91.—ACREAGE OF LAND USE CLASSES, BY COUNTY: APRIL 1975
(Based on land use classifications used for real property assessment purposes.)

Land use class ¹	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
All uses ²	4,061,744	373,198	2,543,171	397,770	747,605
Residential	82,188	61,985	11,504	3,094	5,605
Hotel-apartment	7,479	2,670	1,791	940	2,078
Commercial	4,407	2,630	1,018	301	458
Industrial	14,456	8,459	3,776	716	1,505
Agricultural	1,942,044	144,270	1,193,304	196,993	407,477
Conservation	1,975,455	142,745	1,319,556	192,240	320,914
Unimproved residential	35,709	10,439	12,218	3,484	9,568

¹"Pitt codes," as established by the "Pittsburgh Law" of differential tax rates for real property taxation (Act 142, S.L.H. 1963).

²Totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census. The Bureau's data for total area (including inland water) are: State, 4,128,256 acres; Honolulu, 390,976; Hawaii, 2,584,320; Kauai, 401,344; Maui, 751,616.

Source: Hawaii State Department of Taxation, Tax Systems and Procedures, special tabulation.

Table 92.—ESTIMATED ACREAGE OF LAND USE DISTRICTS: 1964 TO 1975
 (Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes. All data are approximate.)

Year and island	Total area ¹	Classification by State Land Use Commission			
		Urban ²	Conservation ³	Agricultural ⁴	Rural ⁵
STATE TOTALS					
1964: August	4,111,500.0	117,800.0	1,862,600.0	2,124,400.0	6,700.0
1969: August	4,111,500.0	140,163.3	2,009,086.7	1,955,875.0	6,375.0
1974: March	4,111,500.0	147,472.0	1,986,428.9	1,968,727.2	8,871.9
1975: February	4,111,500.0	148,921.4	1,976,995.7	1,976,695.4	8,887.5
ISLANDS: 1975					
Hawaii	2,573,400.0	33,435.7	1,310,573.0	1,228,779.3	612.0
Maui	465,800.0	15,376.4	193,678.7	253,221.3	3,523.6
Kahoolawe	28,800.0	—	28,800.0	—	—
Lanai	90,500.0	2,331.0	38,210.0	47,239.0	2,720.0
Molokai	165,800.0	3,293.1	49,767.7	111,844.2	895.0
Oahu	385,300.0	85,186.5	154,907.6	145,205.9	—
Kauai	353,900.0	9,298.7	198,758.7	144,705.7	1,136.9
Niihau	45,700.0	—	—	45,700.0	—
Kaula and Lehua	400.0	—	400.0	—	—
Northwestern Haw'n Isl.	1,900.0	—	1,900.0	—	—

¹These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census: State total, 4,128,256; Hawaii, 2,584,320; Maui, 466,432; Kahoolawe, 28,800 (same); Lanai, 89,280; Molokai, 167,104; Oahu, 388,928; Kauai, 354,112; Niihau, 46,720; Kaula and Lehua, 512; the Northwestern Hawaiian Islands, excluding Midway, 2,048.

²Defined as "those lands now in urban use and a sufficient reserve for future urban growth". (H.R.S., §205-2).

³Includes all areas formerly designated "forest and water reserve zones" and includes, among others, "areas necessary for protecting watersheds and water sources; preserving scenic areas; providing park lands, wilderness, and beach reserves..." (*ibid.*).

⁴Defined as lands with a "high capacity for intensive cultivation" (*ibid.*).

⁵Defined as areas "primarily of small farms mixed with very low density residential lots" (*ibid.*).

Source: Hawaii State Land Use Commission, unpublished estimates.

Table 93.—PROPOSED AND APPROVED DISTRICT RECLASSIFICATIONS: 1974
(In acres. This table shows proposed and approved reclassifications under the State Land Use Commission second five-year district boundaries and regulations review.)

Current classification	Proposed or approved reclassification				
	All categories	Urban	Conservation	Agriculture	Rural
PROPOSED					
All categories	133,438	14,166	76,555	41,615	1,102
Urban	12,694	...	4,464	8,230	—
Conservation	34,124	744	...	33,380	—
Agriculture	83,577	13,104	69,371	...	1,102
Rural	3,043	318	2,720	5	...
APPROVED					
All categories	66,670	5,438	24,550	36,660	22
Urban	4,056	...	679	3,377	—
Conservation	33,983	705	...	33,278	—
Agriculture	28,624	4,731	23,871	...	22
Rural	7	2	—	5	...

Source: Hawaii State Land Use Commission, *Report to the People on the Second Five-Year District Boundaries and Regulations Review* (February 1975), p. 25.

Table 94.—LAND OWNERSHIP, BY ISLANDS: 1971-1974
(In acres. Excludes area in public thoroughfares on Maui, Lanai, Molokai, Oahu, Kauai, and Niihau.)

Islands	All owners ¹	Federal ²	State ³	Counties ³	Private
State total	4,045,931	296,765	1,399,839	2,327	2,346,999
Percent	100.0	7.3	34.6	0.1	58.0
Hawaii ⁴	2,516,979	200,995	985,269	839	1,329,876
Maui ⁵	461,402	12,275	155,284	365	293,478
Kahoolawe ⁵	28,832	28,819	13	—	—
Lanai ⁵	89,071	8	169	2	88,892
Molokai ⁵	168,257	1,839	39,652	2	126,764
Oahu ⁶	373,636	50,596	67,360	—	255,679
Kauai ⁷	357,977	1,977	149,276	1,119	205,605
Niihau ⁷	47,217	256	256	—	46,705
Lehua and Kaula	} 2,560	—	2,560	—	—
Northwestern Hawaiian I. ⁸					

¹Because of omission of public thoroughfares and other reasons, totals by island differ considerably from official area data in *The State of Hawaii Data Book 1975*, table 90, footnote 1.

²Treatment of ceded land unspecified.

³County land on Oahu is included with State land.

⁴As of December 1971.

⁵As of Spring 1972.

⁶As of December 1974.

⁷As of May 1972.

⁸As of June 30, 1968. Excludes Midway Islands, not under State jurisdiction.

Source: Hawaii State Department of Planning and Economic Development, Hawaii Urban Planning Information Center, *Land Inventory Report: 1972* for Hawaii County (1974, p. 19), Maui County (1974, pp. 25, 26, and underlying data), and Kauai County (1974, pp. 25, 29, and underlying data); Hawaii State Department of Land and Natural Resources, *Report to the Governor 1973-1974*, p. 54 (for Lehua, Kaula, and N.W.H.I.); Honolulu Department of General Planning, Oahu land use inventory, 1974, special tabulation by DPED, 1975.

Table 95.—REAL PROPERTY OWNED OR LEASED BY THE FEDERAL GOVERNMENT: 1960 TO 1974
(As of June 30)

Subject	1960	1970	1973	1974
OWNED				
Number of installations	167	160	186	242
Land area, total (acres)	234,074.1	396,900.7	417,015.0	417,824.1
Urban	23,530.2	57,202.3	11,914.0	52,228.2
Rural	210,543.9	339,698.4	405,101.0	365,595.9
Number of buildings	11,506	11,479	12,815	13,184
Cost, total (\$1,000) ¹	877,162	1,115,240	1,196,010	1,252,897
Land	21,910	40,083	48,567	47,992
Buildings	407,478	545,140	594,106	646,853
Structures and facilities	447,774	530,017	553,337	558,052
Predominant usage (acres):				
Agriculture and grazing .....	...	—	—	—
Forest and wildlife .....	...	1,767.4	2,899.5	3,041.0
Parks and historic sites .....	...	218,318.0	238,401.6	238,559.8
Power development and distribution .....	...	—	—	—
Reclamation and irrigation .....	...	—	—	—
Office building locations .....	...	28.9	33.0	33.0
Military, excluding airfields ²} .....	...	} 175,223.9	{ 121,353.1	115,719.3
Airfields .....	...				35,685.7	40,065.8
Harbor and port facilities .....	...	35.1	27.4	159.6
Flood control and navigation .....	...	625.7	715.0	1,482.1
Vacant .....	...	13.1	14.6	14.6
Institutional .....	...	1.5	1.5	359.5
Housing .....	...	81.4	81.4	82.5
Storage .....	...	34.0	5.8	529.8
Industrial .....	...	48.6	17,166.1	17,165.8
Research and development .....	...	5.2	11.0	11.0
Other land .....	...	624.3	619.3	600.3
LEASED				
Number of leases	194	288	255	258
Land area, total (acres)	26,372.3	48,593.9	48,778.2	48,885.4
Urban	8,703.4	31.8	37.8	35.9
Rural	17,668.9	48,562.1	48,740.4	48,849.5
Number of building locations	156	155	174	173
Floor area of buildings (square feet)	374,259	457,988	607,264	621,415
Annual rental (\$1,000)	519.4	1,879.4	3,094.0	3,258

¹At time of acquisition; includes estimated equivalent cost of properties acquired through donation, exchange, devise, forfeiture, or judicial process.

²Data for 1973 and earlier years include all Department of Defense land used for military functions.

Source: General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World* (annual) and *Inventory Report on Real Property Leased to the United States Throughout the World* (annual).

Table 96.—REAL PROPERTY OWNED BY THE FEDERAL GOVERNMENT, BY AGENCY: JUNE 30, 1974

Agency	No. of installations	Land (acres)	Buildings		Cost (\$1,000,000)			
			No.	Floor area (1,000 sq. ft.)	Total	Land	Buildings	Structures, facilities
All agencies	242	417,824.1	13,184	62,484	1,252.9	48.0	646.9	558.1
Civil agencies	166	243,878.1	679	1,812	64.7	16.1	25.9	22.7
Amer. Battle Mon. Com.	1	0.0	—	—	1.7	—	—	1.7
Dept. of Commerce	9	188.2	30	48	1.5	0.2	1.1	0.2
Dept. of Justice	1	3.1	3	31	0.6	0.2	0.4	—
Dept. of Agriculture	4	0.0	9	14	0.4	—	0.3	0.1
Dept. of H., E., W.	1	1.5	1	20	1.0	0.1	0.9	—
Dept. of Interior	10	241,486.6	222	244	11.1	3.7	1.7	5.8
Fish & Wildlife	4	3,038.8	1	1	1.6	1.6	0.0	0.0
Geological Survey	2	0.0	49	8	0.2	—	0.2	—
National Park Ser.	4	238,447.8	172	234	9.4	2.2	1.5	5.8
Dept. of Transport.	124	2,000.7	385	784	29.5	2.2	15.4	12.0
FAA	59	377.6	73	120	9.1	0.7	3.8	4.7
Coast Guard	65	1,623.1	312	664	20.4	1.5	11.6	7.3
Fed. Communic. Comm.	1	47.7	2	3	0.1	0.0	0.0	0.0
GSA	7	25.1	5	347	5.9	3.4	2.5	0.0
NASA	1	0.0	12	22	3.0	—	1.0	2.1
Postal Service	6	13.2	6	280	4.0	1.3	2.7	—
VA	1	112.0	4	18	6.0	5.0	0.1	0.8
Defense	76	173,946.0	12,505	60,672	1,188.2	31.9	620.9	535.3
Army	34	106,380.0	2,786	17,045	269.9	15.9	160.6	93.3
Navy	23	61,573.3	7,989	33,620	723.8	12.2	352.9	358.7
Air Force	13	5,967.0	1,727	9,955	185.7	2.9	107.0	75.7
Corps of Engineers	6	25.7	3	51	8.9	0.9	0.4	7.6

Source: U.S. General Services Administration, records.

Table 97.—ACREAGE, LESSEES, AND WAITING LIST FOR LAND UNDER THE JURISDICTION OF THE DEPARTMENT OF HAWAIIAN HOME LANDS, BY ISLAND: 1974 AND 1975

Island	Acres, 1972 ¹	Lessees		Application waiting list	
		June 30, 1974 ²	Oct. 30, 1975	June 30, 1974	Oct. 30, 1975
State total	189,878	2,197	2,260	3,826	4,607
Hawaii	110,971	437	460	341	679
Maui	29,076	89	89	185	265
Molokai	26,795	295	319	201	228
Oahu	5,070	1,291	1,305	2,988	3,203
Kauai	17,967	85	87	111	232

¹For data on parcels and use, see *The State of Hawaii Data Book 1974*, table 99, p. 106.

²Total homestead population was approximately 13,200.

Source: Department of Hawaiian Home Lands, *Annual Report* for 1974 and 1975.

SECTION 7

RECREATION AND TOURISM

Statistics on tourism, recreation, cultural activities, and parks appear in this section. Information on transportation is given in Section 17; on hotels, in Section 22.

Tourism has shown impressive growth in recent decades. Approximately 2,829,000 visitors stayed overnight or longer in Hawaii during 1975, compared with 687,000 in 1965 and only 110,000 in 1955. The average number present at any given time during 1975 was 69,000, almost four times the 1965 average. Total visitor expenditures (exclusive of trans-Pacific fares) in 1975 amounted to \$1.27 billion, compared with \$225 million a decade earlier. The 1975 total included 1,980,000 visitors from other States, 210,000 from Canada, and 400,000 from Japan. When last surveyed (in 1974), expenditures per visitor day averaged \$46.20 for those from the Mainland and \$123 for the Japanese. Among westbound visitors destined for Hawaii, one-fourth were Californians, half were at least 44.5 years old, median family income before taxes was \$21,200, almost 40 percent were repeat visitors, three-fourths were on a pleasure trip, their average intended length of stay was close to 11 days, more than two-thirds visited at least one Neighbor Island, and 90 percent upon returning home rated Hawaii as either "above average" or "far superior" to other vacation areas they have visited.

Both visitors and residents have access to a wide range of recreational and cultural facilities. The State has four national parks, 53 State parks, 535 County parks, 45 golf courses, 209 tennis courts, 1,817 small-boat moorages, 1,600 recognized surfing sites, and 24.4 miles of safe, sandy, accessible beach. Recreational and cultural facilities reporting more than 500,000 annual visitors include eleven National or State parks, the U.S.S. Arizona Memorial, the National Memorial Cemetery of the Pacific, Honolulu Zoo, and Polynesian Cultural Center. Total visits to 36 museums, state monuments, and similar attractions in 1975 numbered 7.46 million. Over 178,000 Hawaii residents traveled to the Mainland in 1975 and half of them were absent more than 14 days. Eleven theatrical groups on Oahu reported 1,078 performances of 149 productions for the 1974-1975 season, with a combined audience of 272,000. During the same period, the Honolulu Symphony Orchestra gave 135 concerts, with a total attendance of 198,000. Approximately 85,000 dogs and 66,000 cats were owned in 1970.

Information on recreation and tourism is issued periodically by the Hawaii Visitors Bureau, the State Parks Division of the Department of Land and Natural Resources, the U.S. National Park Service, U.S. Passport Office, County park and recreation departments, and other organizations. An extensive compilation of statistics on recreational facilities and behavior was issued by DPED in December 1975 in its *State Comprehensive Outdoor Recreation Plan Technical Report*. National statistics are given in Section 7 of *Statistical Abstract of the United States: 1975*.

Table 98.—MODE OF TRAVEL AND VISITOR STATUS OF PASSENGERS ARRIVING IN HAWAII: 1958 TO 1975

Year	All arriving passengers	Mode of travel		Direction of travel		Visitor status of westbound arriving passengers ¹				
		Air	Surface	Westbound	East-bound or north-bound	Visitors destined to Hawaii	Visitors destined beyond		Returning residents	Intended residents
							Overnight or longer	Transits		
1958	363,848	279,768	84,080	263,193	100,655	123,576	19,465	38,425	35,888	16,412
1959	452,417	370,072	82,345	336,090	116,327	177,550	30,185	38,714	36,100	18,825
1960	532,547	449,052	83,495	399,804	132,743	213,670	36,475	43,439	38,630	15,030
1961	615,209	532,182	83,027	448,546	166,663	202,850	45,825	47,155	43,590	16,715
1962	690,378	606,972	83,406	497,035	193,343	219,005	60,625	42,690	53,800	21,070
1963	790,378	708,257	82,121	574,984	215,394	258,765	73,915	38,860	54,140	20,200
1964 ²	909,436	832,075	77,361	681,391	228,045	316,550	88,685	36,445	73,060	24,040
1964 ³	909,436	832,075	77,361	681,391	228,045	359,554	100,736	110,034	83,313	27,446
1965	1,064,657	988,892	75,765	814,624	250,033	460,603	106,615	118,020	99,792	28,973
1966	1,279,151	1,200,697	78,454	974,419	304,732	558,388	128,498	137,136	117,605	32,031
1967	1,562,414	1,482,884	79,530	1,215,974	346,440	754,910	138,193	147,136	130,995	44,117
1968	1,683,326	1,608,706	74,620	1,348,112	335,214	869,116	146,728	148,802	140,592	42,236
1969	1,941,638	1,876,821	64,817	1,566,013	375,625	1,008,802	172,227	190,710	152,404	41,162
1970	2,219,559	2,174,303	45,256	1,734,560	484,999	1,127,950	198,185	193,798	173,252	40,073
1971	2,500,462	2,455,147	45,315	1,903,130	597,332	1,207,898	222,457	268,001	162,967	41,562
1972	3,053,557	3,013,488	40,069	2,308,712	744,845	1,540,268	242,469	309,595	171,772	44,388
1973	3,624,667	3,598,312	26,355	2,696,415	928,252	1,815,443	252,418	396,508	194,974	36,886
1974	3,882,957	3,861,208	21,749	2,802,465	1,080,492	1,899,632	284,988	426,507	154,154	37,007
1975	3,849,525	3,832,790	16,735	2,806,524	1,043,001	1,935,396	272,021	381,419	178,040	39,233

¹Data for 1958-1963 are limited to passengers reporting their visitor status. Data for 1964 and later years include estimates for unsurveyed passengers, and hence are not directly comparable to the 1951-1963 estimates. A small number of surveyed but unclassified passengers are omitted for all years. Total westbound passenger arrivals, including unsurveyed and unclassified, are shown elsewhere in this table, under "direction of travel".

²Unadjusted for survey nonresponse, and hence comparable to earlier years.

³Adjusted for survey nonresponse, and hence comparable to later years.

Source: Hawaii Visitors Bureau, *Annual Research Report, 1952-1975, Revised Visitor Statistics, 1964-1970* (July 1971), as corrected, and records.

Table 99.—VISITOR ARRIVALS, AVERAGE VISITOR CENSUS, AND VISITOR EXPENDITURES: 1958 TO 1975

Year	Visitors staying overnight or longer			Average number present		Visitor expenditures ¹ (millions of dollars)
	Total	Westbound ²	Other	Total	Westbound ²	
Unadjusted:³						
1958	171,588	139,984	31,604	8,397	7,296	83
1959	243,216	207,645	35,571	10,390	9,361	109
1960	296,517	250,795	45,722	11,797	10,536	131
1961	319,807	248,540	71,267	11,960	10,308	137
1962	362,145	279,625	82,520	13,125	10,964	154
1963	429,140	332,680	96,460	15,316	12,655	186
1964	508,870	405,235	103,635	16,739	13,925	225
Adjusted:³						
1964	563,925	460,290	103,635	16,354	15,218	205
1965	686,928	567,218	119,710	17,991	16,679	225
1966	835,456	686,886	148,570	21,572	19,925	280
1967	1,124,818	893,103	231,715	28,202	25,470	380
1968	1,314,571	1,015,844	298,727	33,288	29,737	440
1969	1,527,012	1,181,029	345,983	38,078	33,968	550
1970	1,746,970	1,326,135	420,835	37,631	32,716	595
1971	1,818,944	1,430,325	388,619	41,909	37,524	705
1972	2,244,377	1,782,737	461,640	51,270	46,225	840
1973	2,630,952	2,067,861	563,091	61,633	55,462	1,020
1974	2,786,489	2,184,620	601,869	65,991	59,395	1,225
1975	2,829,105	2,207,417	621,688	68,837	62,024	1,270

¹Excludes expenditures for trans-Pacific transportation.

²Arriving from the Mainland United States.

³For survey nonresponse.

Source: Hawaii Visitors Bureau, *Annual Research Report* (annual), and records.

Table 100.—RESIDENCE OF OVERNIGHT AND LONGER VISITORS TO HAWAII: 1960 TO 1975

Year	Total	United States	Canada	Japan	Australia and New Zealand ¹	Other Pacific and Asia ¹	All others ²
1960	296,500	237,200	20,800	14,800	11,900	8,900	2,900
1965	686,500	541,000	48,500	36,400	30,300	18,200	12,100
1970 ³	1,514,500	1,120,000	80,000	131,500	69,100	52,500	61,400
1971 ³	1,730,000	1,253,000	100,000	180,000	82,000	66,000	49,000
1972	2,244,000	1,662,000	125,000	235,000	100,000	65,000	57,000
1973	2,630,000	1,953,000	150,000	300,000+	120,000	50,000-	57,000
1974	2,790,000	1,988,000	175,000	400,000	120,000	50,000	57,000
1975	2,830,000	1,980,000	210,000	400,000	125,000	58,000	57,000

¹South Pacific islands included with Australia and New Zealand in 1971 and later years.

²Includes Europe (40,000 in 1975), Latin America and the Caribbean (15,000), and Africa (2,000).

³Excludes Rest and Recuperation personnel and dependents.

Source: Hawaii Visitors Bureau, Research Department, records.

Table 101.—CHARACTERISTICS OF WESTBOUND VISITORS TO HAWAII: 1958 TO 1975

Year	California residents ¹ (percent)	Males per 1,000 females	Median age (years)	High status occupations ² (percent)	Persons per party	Arriving June 1-Aug. 31 (percent)	Arriving by sea (percent)	Repeat visitors ³ (percent)	Pleasure trip (percent)	Staying in hotel (percent)	Average intended stay ⁴ (days)	Intending to visit Neighbor Islands ⁵ (percent)
1958	45.6	765	45.3	49.7	1.49	33.2	(NA)	30.4	74.6	(NA)	20.7	(NA)
1959	46.0	701	45.9	47.2	1.56	35.4	(NA)	26.9	73.9	(NA)	18.1	(NA)
1960	42.5	743	45.2	51.7	1.54	33.3	(NA)	25.8	67.3	(NA)	16.9	(NA)
1961	46.9	749	45.4	52.3	1.49	36.5	12.3	29.1	68.4	(NA)	17.2	(NA)
1962	42.8	751	45.5	54.1	1.53	36.7	11.3	29.9	75.4	(NA)	16.8	57.2
1963	45.1	722	45.2	56.5	1.59	33.7	7.9	30.8	68.1	83.1	15.4	65.7
1964	46.5	780	45.5	59.4	1.58	33.2	6.8	30.6	71.9	83.4	14.2	67.6
1965	45.7	807	45.2	60.9	1.61	35.0	5.0	31.7	75.2	90.1	13.0	67.1
1966	39.7	798	45.3	59.9	1.58	30.9	4.1	32.1	71.6	87.1	12.7	64.1
1967	36.5	682	43.2	52.3	1.55	32.7	2.9	29.0	74.9	84.9	12.3	56.5
1968	34.2	631	41.7	48.3	1.52	31.9	2.1	28.5	76.8	84.6	12.1	54.9
1969	33.4	641	40.1	48.3	1.53	30.5	1.2	30.6	72.9	83.2	12.3	53.2
1970	33.4	663	40.7	49.6	1.55	33.1	0.4	32.8	74.8	84.0	10.9	54.8
1971	32.0	741	42.6	54.0	1.61	30.8	0.3	36.4	76.0	84.9	11.0	60.6
1972	27.7	801	44.7	58.9	1.71	29.2	0.4	35.1	77.4	89.0	10.9	61.5
1973	25.5	762	44.0	56.4	1.69	30.2	0.3	34.3	78.3	89.3	10.7	58.8
1974	24.4	788	44.1	59.3	1.72	28.6	0.1	37.3	78.2	91.4	10.7	62.0
1975	24.8	810	44.5	60.4	1.75	28.6	0.1	39.7	76.4	91.7	10.8	66.0

NA Not available.

¹Base for 1970 and later years includes visitors arriving directly from Canada. The base for earlier years included only those passengers from Canada who made an intermediate stop in the United States.

²Party heads only. Professional, technical, business, managerial and official workers as a percent of all party heads responding to this question.

³Party heads only.

⁴Computed from total visitor days and total visitor arrivals for westbound visitors destined for Hawaii. These data differ somewhat from those in the source because of different computation procedures.

⁵Base includes surveyed passengers who did not answer this question.

Source: Hawaii Visitors Bureau, *Annual Research Report, 1952-1975, Revised Visitor Statistics, 1964-1970* (July 1971), and records.

**Table 102.—FAMILY INCOME, TRIP CHARACTERISTICS, AND OPINIONS OF VISITORS TO HAWAII:
1972 TO 1975**

Subject	1972	1973	1974	1975
Number of respondents in sample	5,393	6,042	6,014	5,960
Family income before taxes (percent)	100.0	100.0	100.0	100.0
Under \$5,000	2.6	2.5	1.7	1.5
\$5,000 to \$7,499	5.6	5.4	4.2	3.6
\$7,500 to \$9,999	8.1	8.5	6.9	6.1
\$10,000 to \$14,999	23.0	21.8	19.5	18.1
\$15,000 to \$24,999	33.9	33.3	35.0	33.3
\$25,000 and over	26.7	28.5	32.8	37.4
Median income (dollars)	18,100	18,600	20,100	21,200
Using travel agent (percent)	68.6	73.0	76.8	77.9
Use of prepaid package tour (percent)	100.0	100.0	100.0	100.0
Yes	37.4	43.0	40.1	41.3
Partly	16.4	17.8	22.0	22.6
No	46.2	39.2	37.9	36.1
Islands visited (percent):				
Oahu only	33.7	34.7	31.7	32.0
Hawaii	43.8	44.7	44.5	42.5
Maui	48.4	46.8	47.5	48.7
Kauai	43.9	42.9	41.6	39.0
Hawaii compared with other vacation areas				
visited (percent)	100.0	100.0	100.0	100.0
Far superior	36.6	38.6	38.3	40.2
Above average	51.8	50.4	50.9	49.7
Average	10.4	9.8	9.7	9.1
Below average	1.1	1.0	1.0	0.9
Quite inferior	0.1	0.2	0.1	0.2

Source: Hawaii Visitors Bureau, *Visitor Reaction Survey* (annual summaries).

Table 103.—VISITOR EXPENDITURES PER VISITOR DAY: 1974
(Excludes transpacific travel costs. In dollars.)

Subject	Visitors from Mainland United States ¹	Visitors from Japan ²
Total expenditure	46.20	123
By type of expenditure:		
Food and beverages ³	13.12	...
Entertainment	2.12	...
Transportation ⁴	5.16	...
Clothing	4.96	...
Gifts and souvenirs	4.46	41
Lodging	13.34	...
Other	2.22	...
Unclassified	0.82	...
By place of expenditure:		
Oahu	46.75	...
Other islands	45.16	...
By travel status:		
In organized tour groups	52.06	...
Individual visitors	42.91	...

¹Based on data for 1,669 parties.

²Based on data for 190 parties. Detailed breakdowns of expenditure patterns not available.

³Includes night clubs.

⁴Interisland and ground.

Source: Hawaii Visitors Bureau, *1974 Visitor Expenditure Survey* (July 1975), pp. 4-6, and records.

Table 104.—HAWAII VISITORS BUREAU EXPENDITURES AND STATE APPROPRIATIONS FOR PROMOTION OF TOURISM: 1958 TO 1977
(In dollars)

Year ended June 30	Hawaii Visitors Bureau expenditures				State appropriations ¹
	Total	Private funds	Public funds		
			Amount	Percent	
1958	870,231	391,854	478,377	55.0	500,000
1959	870,042	428,414	441,628	50.8	500,000
1960	1,214,481	456,231	758,250	62.4	750,000
1961	1,577,332	472,404	1,104,928	70.1	1,104,928
1962	1,482,640	288,140	1,194,500	80.6	1,212,985
1963	1,559,754	329,754	1,230,000	78.9	1,230,000
1964	1,553,470	323,470	1,230,000	79.2	1,230,000
1965	1,395,879	295,879	1,100,000	78.8	1,130,000
1966	1,534,656	334,656	1,200,000	78.2	1,240,000
1967	1,831,304	498,474	1,332,830	72.8	1,372,830
1968	1,945,653	521,966	1,423,687	73.2	1,441,000
1969	2,350,549	902,646	1,447,903	61.6	1,478,554
1970	2,081,517	544,780	1,536,737	73.8	1,550,536
1971	2,224,835	555,553	1,669,282	75.0	1,892,963
1972	2,252,435	563,174	1,689,261	75.0	1,842,963
1973	2,254,796	566,888	1,687,908	74.9	1,842,963
1974	2,259,602	566,639	1,692,963	74.9	1,702,125
1975	2,291,405	603,709	1,687,696	73.7	1,702,124
1976 ²	2,459,557	629,418	1,798,452	73.1	1,799,000
1977	(NA)	(NA)	(NA)	(NA)	1,883,000

NA Not available.

¹Total appropriations for tourism promotion, exclusive of separate appropriations for the Tourism Advisory Committee, Visitor Information Program, Office of Tourism, and special studies.

²Total HVB expenditure includes funds from interest and other miscellaneous sources, not shown separately.

Source: Hawaii Visitors Bureau, records; *Session Laws of Hawaii* (annual or biennial).

**Table 105.—PASSPORTS ISSUED AND RENEWED BY
THE HONOLULU PASSPORT AGENCY: 1960 TO 1975**

Calendar year	Number
Issued and renewed:	
1960	8,608
1961	9,229
1962	11,103
1963	11,990
1964	10,442
1965	14,815
1966	15,097
1967	17,345
1968	16,703
Issued:¹	
1969	18,080
1970	23,269
1971	24,814
1972	26,078
1973	27,134
1974	22,551
1975	24,300

¹Legislation effective August 26, 1968 eliminated passport renewals.
Source: U.S. Department of State, Passport Office, Administrative Division, records.

Table 106.—CHARACTERISTICS OF HAWAII RESIDENTS RETURNING FROM THE MAINLAND UNITED STATES: 1961 TO 1975

Subject	1960-1961	1967	1972	1975
Number returning	41,450	130,995	171,772	178,040
Oahu residents (percent) ¹	86.0	88.0	87.2	(NA)
Median age (years)	32.9	(NA)	(NA)	(NA)
Males per 100 females	125.9	(NA)	(NA)	(NA)
Persons per party	1.35	1.24	1.33	1.35
Armed forces (percent)	6.2	11.7	2.6	(NA)
Average number absent ²	5,200	14,800	11,900	(NA)
Days absent, median ²	23.7	18.4	13.8	(NA)
Days absent, average ²	49.6	45.9	25.3	(NA)
Returning from California (percent)	52.8	(NA)	(NA)	(NA)

NA Not available.

¹Excludes armed forces in 1967 and 1972.

²Based on persons absent 1-365 days.

Source: Hawaii State Department of Planning and Economic Development, *Out-of-State Travel by Hawaii Residents During 1972* (Statistical Report 93, April 10, 1973), table 2; Hawaii Visitors Bureau, *1975 Annual Research Report* (1976), pp. 6 and 9.

Table 107.—OAHU HOUSEHOLDS MAKING TRIPS TO THE NEIGHBOR ISLANDS, MAINLAND, OR FOREIGN COUNTRIES DURING THE PREVIOUS TWELVE MONTHS: 1972

Place visited	Percent of households making trips	Percent of all Oahu households
One or more places	100.0	49.3
Kauai	20.9	10.3
Molokai	4.1	2.0
Lanai	1.4	0.7
Maui	33.1	16.3
Hawaii	32.4	16.0
Mainland United States	43.2	21.3
Foreign country	20.3	10.0

Source: Hawaii Newspaper Agency, Inc., *Continuing Home Audit, 1972*. Based on a sample of 300 households. Used with permission.

Table 108.—ATTENDANCE AT MUSEUMS, STATE MONUMENTS, AND SIMILAR ATTRACTIONS: 1974-1975

Island and attraction	Year ended—	Attendance	Island and attraction	Year ended—	Attendance
OAHU			HAWAII		
Bernice P. Bishop Museum:			Hikiau Heiau State Mon.	June 30, 1975	(NA)
Exhibition halls	June 30, 1975	137,106	Hulihee Palace	Dec. 31, 1975	37,933
Planetarium	June 30, 1975	62,486	Kamuela Museum	Dec. 31, 1975	20,301
Falls of Clyde Maritime Museum	June 30, 1975	35,436	Lava Tree State Mon.	June 30, 1975	38,000
Heritage Theater	June 30, 1975	23,158	Lyman House Mem. Museum ...	Dec. 31, 1975	19,204
Other facilities	June 30, 1975	13,949			
Diamond Head State Monument	June 30, 1975	(NA)	MAUI		
Foster Botanical Gardens	Dec. 31, 1975	143,068	Baldwin Home Miss. Mus.	Dec. 31, 1975	30,901
Honolulu Academy of Arts ¹	Dec. 31, 1975	128,933	Hale Hoikeike ²	Dec. 31, 1975	1,974
Honolulu Zoo	Dec. 31, 1975	1,200,000	Hale Kii-Pihana State Mon.	June 30, 1975	11,000
Iolani Palace State Monument ...	June 30, 1975	37,000	Hale Pa'i Printing Museum ³	Dec. 31, 1975	866
Mission Houses Museum	Dec. 31, 1975	22,240	KAUAI		
Mormon Temple Grounds, Laie ..	Dec. 31, 1975	342,527	Hanalei Museum	Dec. 31, 1971	7,000
National Memorial Cemetery	Dec. 31, 1975	2,165,800	Kauai Museum	June 30, 1975	19,514
Pacific Submarine Museum	Dec. 31, 1975	41,138	Kokee Natural History Museum	Dec. 31, 1975	73,677
Polynesian Cultural Center	Dec. 31, 1975	850,000	Russian Fort State Mon.	June 30, 1975	(NA)
Queen Emma's Summer Palace ..	Dec. 31, 1975	13,718	Waioli Mission ⁴	Dec. 31, 1975	1,881
Royal Mausoleum State Mon. ...	June 30, 1975	32,000			
Sea Life Park	Dec. 31, 1975	453,920			
Alice Cooke Spalding House ¹	Dec. 31, 1975	13,294			
Tropic Lightning Museum	Dec. 31, 1974	12,500			
Ulu Mau Village	Dec. 31, 1975	25,000			
Ulu Po Heiau State Mon.	June 30, 1975	(NA)			
U.S.S. Arizona Memorial	Dec. 31, 1975	1,015,535			
Wahiawa Botanic Park	Dec. 31, 1975	28,549			
Waikiki Aquarium	Dec. 31, 1975	235,054			
Waimea Falls Park	Dec. 31, 1975	165,940			
Washington Place State Mon. ...	June 30, 1975	—			

NA Not available.

¹Published totals for earlier years combined the Honolulu Academy of Arts and Alice Cooke Spalding House.

²Closed through July 12, 1975.

³Closed last three months of the year.

⁴Closed for repairs September 15, 1975 and thereafter.

Source: Hawaii State Department of Land and Natural Resources, records; DPED survey of museums and other attractions.

Table 109.—PARKS: 1958 TO 1975

Year	National parks			State parks			County parks	
	Areas, Dec. 31 ¹	Acres, Dec. 31 ¹	Visits (1,000)	Areas, June 30	Acres, June 30	Visits ² (1,000)	Areas, Dec. 31 ³	Acres, Dec. 31 ³
1958	2	256,201	462	18	6,166	239	236	4,867
1963	3	256,201	621	23	6,410	666	370	5,638
1967	3	256,201	1,098	34	7,536	3,204	320	4,732
1970	3	257,181	1,233	41	15,584	9,520	411	5,884
1971	3	257,181	1,479	44	15,983	13,007	376	6,334
1972	4	257,281	2,046	46	16,000	9,798	479	6,662
1973	4	257,219	2,026	46	16,108	13,271	490	7,160
1974	4	247,910	2,299	53	16,629	12,907	535	*7,211
1975	4	247,910	2,559	53	18,181	12,124	560	7,376

*Revised since 1975 edition.

¹ Authorized but not necessarily acquired or established. The increase in areas (but not acreage) in 1963 reflects the formation of Haleakala and Hawaii Volcanoes National Parks from Hawaii National Park in 1961. The decline in acreage in 1974 reflects the deletion of Oloa Forest Tract (9,654 acres), included in earlier years.

² Years ended June 30.

³ Except 1958 (July 1), 1963 (April 1), 1967 (July 1), and 1970 (January 1).

Source: U.S. Department of the Interior, National Park Service, Hawaii Group, records; Hawaii State Department of Land and Natural Resources, *Report to the Governor* (annual) and records; Honolulu Department of Parks and Recreation, records; Hawaii County Department of Parks and Recreation, records; Kauai Department of Public Works, records; Maui Department of Parks and Recreation, records.

Table 110.—NATIONAL, STATE, AND COUNTY PARKS: 1974-1975

National park	Acreage (Dec. 31, 1975)		Total visits	
	Federal	Non-Federal	1974	1975
Hawaii Volcanoes National Park	210,462	9,883	1,613,050	1,672,008
Haleakala National Park	27,055	229	441,251	533,570
City of Refuge National Historical Park	181	—	241,880	339,596
Puukohola Heiau National Historic Site ¹	34	66	2,495	14,255

County	State parks				County parks: Dec. 31, 1975		
	Number of areas: June 30, 1975	Acreage: June 30, 1975		Visits, years ended June 30 (in thousands)		Number of areas	Acreage
		Total	Developed	1974	1975		
Total	53	18,181.8	578.9	12,907	12,124	560	7,376
Hawaii	14	2,036.5	264.8	2,985	3,552	126	1,720
Maui	11	421.1	47.0	1,937	2,172	68	650
Honolulu	17	6,339.5	104.7	3,241	1,797	307	4,444
Kauai	11	9,384.7	162.4	4,744	4,603	59	562

¹ Visits for 1974 refer to 5½ months beginning July 15.

Source: U.S. Department of the Interior, National Park Service, records; Hawaii State Department of Land and Natural Resources, *Report to the Governor* . . . 1975, p. 30; County park departments, records.

Table 111.—PUBLIC RECREATIONAL LAND AND FACILITIES: 1975

Major use and administering agency	Recreational land (acres)	Public facilities	Number
Total recreational land	1,583,252	Trails (miles)	445.1
		Launching lanes	51
Specified major uses: ¹		Tennis courts ²	220
Beach, total	2,246	Golf ² (holes)	117
Fronting improved park	327	Camping sites	1,842
Not fronting improved park	1,919	Swimming pools ²	28
Hunting	974,366	Moorages	1,844
Improved acreage ³	4,936		
Active use	2,554		
Passive use	2,037		
Service areas	358		
Administering agency: ⁴			
National Park Service	256,705		
Dept. of Land & Natural Resources	1,319,620		
Dept. of Transportation	263		
County agencies	6,767		

¹In addition, more than 600,000 acres of recreational land were in unspecified major uses.

²Excludes privately owned facilities.

³Detail does not add exactly to indicated total, for unreported reasons.

⁴Because of joint administration, detail does not add exactly to indicated total.

Source follows table 112.

Table 112.—PARTICIPATION IN RECREATIONAL ACTIVITIES: 1975

Activities	Activity occasions per 1,000 population ¹		Percent of total participation by visitors ²
	Weekend	Weekday	
Walking, jogging	97.0	103.0	21
Hiking	11.5	6.0	...
Camping	38.4	10.5	1
Group camping	1.9	1.0	...
Picnicking	103.0	23.0	...
Hunting, shooting	3.4	0.8	...
Archery	0.7	0.8	...
Golf	20.8	4.7	15
Swimming, sunbathing	176.0	83.3	26
Diving	22.0	6.8	8
Surfing	30.3	19.1	9
Boating	14.5	2.0	17
Canoe paddling	5.3	2.5	...
Fishing	32.4	11.8	4
Game playing	74.0	83.8	6
Tennis	9.7	14.2	...
Attending outdoor events	62.7	15.3	17
Bicycling	84.6	81.7	...
Motorcycling	5.3	3.1	...
Other activities	22.6	12.5	...

¹Hawaii residents only.

²Visitor activity occasions as percent of sum of visitor activity occasions and peak resident activity occasions.

Source of tables 111 and 112: Aotani & Hartwell Associates, Inc., *State Comprehensive Outdoor Recreation Plan Technical Report* (December 1975), pp. 36, 37, 44, and 54.

Table 113.—SELECTED RECREATIONAL ACTIVITIES: 1960 TO 1975

Year	Beach park acreage (Oahu) ¹	Camping permits (Oahu) ²	Licenses issued ³		Visitors to Mauna Kea ⁴	Public golf courses (Oahu) ⁵		Honolulu Zoo	
			Freshwater game fishing	Hunting		Holes	Rounds	Animal inventory ⁶	Attendance
1960	541.73	...	1,682	5,290	...	45	...	742	519,186
1961	557.16	...	3,014	6,214	...	45	...	758	489,225
1962	558.35	...	4,209	6,924	...	45	...	759	481,389
1963	566.78	...	4,264	7,095	...	45	181,476	...	593,814
1964	622.60	...	5,269	7,766	...	45	203,784	...	692,706
1965	622.60	...	4,357	7,613	...	45	215,648	...	761,246
1966	655.99	...	3,743	6,903	...	45	214,447	1,110	736,049
1967	655.99	...	3,424	7,142	...	45	226,762	1,297	898,178
1968	656.37	6,330	3,867	8,510	...	45	222,790	1,679	890,284
1969	746.03	6,225	3,798	8,629	685	45	228,479	1,879	1,108,823
1970	772.22	...	5,070	9,773	2,386	45	223,434	3,116	1,016,809
1971	961.84	...	5,551	10,302	3,809	63	272,352	1,955	1,107,193
1972	975.87	11,389	7,759	11,178	1,211	63	313,049	3,651	1,094,718
1973	975.95	11,551	6,902	12,764	2,046	63	343,534	1,711	1,329,000
1974	1,030.27	10,439	8,309	11,452	389	63	336,911	1,468	1,089,657
1975	1,068.897	10,976	7,277	12,500	2,000	63	345,597	1,635	1,200,000

¹Beach park acreage under the jurisdiction of the City and County of Honolulu Department of Recreation. As of the end of the year.

²Camping permits issued by the City and County of Honolulu Department of Recreation. Permits for 1968 and 1969 estimated, based on 50,643 campers in 1968, 49,797 campers in 1969, and an average of 8 campers per permit. Data not available for 1970, 1971 or before 1968.

³By the Division of Fish and Game, Hawaii State Department of Land and Natural Resources. Data are Statewide totals for years ended June 30.

⁴Skiers, hikers, and other visitors (including children) issued entry permits to the Hale Pohaku and summit areas of Mauna Kea by the Hawaii State Department of Land and Natural Resources. Calendar year data. Not available before 1969. Data are incomplete.

⁵Public golf courses operated by the City and County of Honolulu Department of Recreation. Includes Ala Wai (18 holes), Pali (18 holes), Kahuku (9 holes, leased by the Department), and Ted Makalena (18 holes, developed in 1970-1971). Data not available for attendance before July 1962. Includes estimate for Kahuku, July-December 1962. Data refer to years ended June 30, 1963 to 1968, and calendar years thereafter.

⁶Calendar years. Data not available on a comparable basis for 1963-1965.

Source: City and County of Honolulu, Department of Recreation, records; Hawaii State Department of Land and Natural Resources, *Report to the Governor* (annual), and records.

Table 114.—ATTENDANCE AT BASEBALL, BASKETBALL, AND FOOTBALL HOME GAMES: 1961 TO 1975

Season	Baseball: Hawaii Islanders ¹		Univ. of Hawaii basketball team ²		Univ. of Hawaii football team ³	
	Home openings	Paid attendance	Home games	Total attendance	Home games	Total attendance
1961	77	165,786	...	...	...	...
1962	76	149,737	...	...	1	9,774
1963	79	236,848	...	...	2	8,645
1964	79	154,827	...	...	4	12,791
1965	73	174,699	...	...	3	4,533
1966	73	191,367	...	...	6	26,205
1967	73	219,005	11	24,874	7	68,018
1968	73	257,913	16	44,862	7	89,858
1969	73	280,477	20	63,806	7	113,776
1970	73	467,217	24	95,063	8	120,498
1971	73	375,000	22	150,949	9	145,437
1972	73	307,000	24	197,671	9	150,448
1973	72	238,390	22	161,753	9	184,694
1974	69	128,489	21	174,835	9	146,789
1975	71	235,822	23	168,088	9	224,291

¹A double-header counts as a single opening. Data include playoffs. In 1975, there were 68 regular home openings with attendance of 213,432 and 3 playoff openings with attendance of 22,390. The Hawaii Islanders were organized and admitted to the Pacific Coast League in 1961.

²Data refer to the school year beginning in the fall of the year indicated and continuing until the following spring. Totals include the Rainbow Classic. The University of Hawaii (called the College of Hawaii until 1920) played its first basketball game in 1913, but many of its earlier opponents were non-collegiate, and systematic attendance records were not compiled until the 1967-1968 season.

³Data refer to the school year beginning in the fall of the year indicated. Totals exclude home games played on fields other than Honolulu Stadium (1962-1974) and Aloha Stadium (1975 and later years). The University of Hawaii (then called the College of Hawaii) played its first football game in 1909, but many of its earlier opponents were non-collegiate, and systematic attendance records were not compiled until the 1962-1963 season.

Source: Hawaii Islanders, Inc., records; Office of Intercollegiate Athletics, University of Hawaii, records.

Table 115.—OUTDOOR RECREATION FACILITIES AND RESOURCES, BY ISLAND: 1975-1976

Facility	Six islands	Hawaii	Mauai	Lanai	Molokai	Oahu	Kauai
Golf courses: ¹							
9-hole	10	2	2	1	2	2	1
18-hole	25	6	4	—	—	13	2
27-hole	1	—	—	—	—	—	1
Tennis: ²							
Locations	76	18	12	1	2	32	11
Courts	241	41	45	2	4	100	49
Small-craft moorage: ³							
Catwalks and piers	1,041	30	41	21	2	906	41
Other facilities	812	234	114	—	29	392	43
Sandy shoreline: ⁴							
Total mileage	184.9	19.4	32.6	18.2	23.2	50.3	41.2
Primary mileage ⁵	24.4	1.2	7.9	—	—	12.5	2.8
Surfing sites ⁶	1,600	185	212	99	180	594	330

¹As of September 1975. Excludes the 8 Air Force, Army and Navy courses, all on Oahu.

²As of September 1975. Includes all public courts, and private and hotel courts open to the public. Excludes 12 hotel locations, (36 courts) open only to guests.

³Capacity as of January 1976.

⁴Surveyed 1962.

⁵Safe, clean, accessible, and generally suitable for swimming.

⁶Surveyed 1971. A surfing site is defined as "a specific wave-breaking zone caused by a shoal and having sufficient consistency to be identified as a surfable riding area, either seasonally or in a combination of seasons, e.g., Queen's Surf, Waikiki."

Source: Hawaii Visitors Bureau, *Golf & Tennis in Hawaii* (leaflet, 1975); Hawaii State Department of Transportation, Harbors Division, records; Hawaii State Department of Planning and Economic Development, *Hawaii's Shoreline* (1965), p. 7; Surfing Education Association, *The 1971 Statewide Surfing Site Survey*, Vol. 1, p. 93.

Table 116.—PERFORMING ARTS: 1974-1975 SEASON

Theater group	Number of productions	Number of performances	Total attendance	
Theater groups reporting	149	1,078	271,924	
Brigham Young Univ.—Hawaii Campus ¹	5	25	9,400	
Chaminade College of Honolulu	4	36	3,000	
Hawaii Loa College	2	6	620	
Hawaii Performing Arts Company	14	346	52,228	
Honolulu Community Theatre	8	120	44,019	
Honolulu Theatre for Youth	6	200	99,392	
U.S. Army Recreation Services Theater Guild	6	51	8,450	
Univ. of Hawaii, University Theatre ²	12	51	24,121	
Univ. of Hawaii, Leeward Community College ³	82	147	21,894	
Waianae Theatre Workshop	6	58	5,000	
Windward Theatre Guild	4	38	3,800	
Honolulu Dept. of Auditoriums ⁴	50	126	208,827	
Plays and dramas	2	10	16,394	
Concerts	35	80	129,018	
Ballets	1	3	4,785	
Operas	4	19	32,438	
Other dramatic and musical productions	8	14	26,192	

Music group	Ave. number of orchestra personnel	Number of performances ⁵	Total attendances ⁵	Operating expenses (dollars)
Ensemble Players Guild .....	...	29	8,100	28,700
Honolulu Chamber Music Series .....	...	4	1,200	5,650
Honolulu Symphony Orchestra	80	135	198,000	1,423,911

¹Data refer to 1973-1974 season.

²Excludes off-campus performances, such as those co-sponsored with other groups.

³Includes on-campus productions by groups other than the College.

⁴Includes performances in Dept. of Auditoriums facilities also reported elsewhere in this table under specific performing groups (such as the Honolulu Symphony Orchestra).

⁵Excludes demonstration concerts by small symphony ensembles in schools.

Source: Data compiled from listed groups by the Hawaii State Department of Planning and Economic Development.

Table 117.—HOUSEHOLDS WITH PETS, BY TYPE: 1970

Subject	Six-island total	Hawaii	Maui	Lanai ¹	Molokai ¹	Oahu	Kauai
Households with pets:							
Dogs	59,200	7,350	3,670	180	610	44,600	2,740
Cats	34,200	4,470	2,920	130	430	24,200	2,040
Pet birds	14,800	1,100	600	15	90	12,700	220
Fish	20,600	1,050	750	15	160	18,200	450
Turtles	5,400	390	160		10	4,600	230
Rodents ²	6,320	580	160	15	10	5,270	280
Percent with pets:³							
Dogs	29.1	45.2	33.9	28.3	47.0	27.1	33.3
Cats	16.8	25.9	26.9	19.6	33.2	14.7	24.7
Pet birds	7.3	6.4	5.7	2.2	6.9	7.7	2.7
Fish	10.1	6.2	7.0	2.2	12.4	11.0	5.5
Turtles	2.7	2.3	1.5	0	0.9	2.8	2.8
Rodents ²	3.1	3.4	1.5	2.2	0.9	3.2	3.3
Number of pets:⁴							
Dogs	85,000	13,100	5,800	240	1,230	59,600	4,990
Cats	65,800	10,600	6,960	450	1,100	40,700	5,960

¹Data for Lanai and Molokai are based on small samples and are subject to considerable sampling variation.

²Includes rabbits, guinea pigs, rats, mice, and chinchillas.

³Households with pets as a percent of all households sampled.

⁴Reported only for dogs and cats.

Source: John M. Gooch, D.V.M., Public Health Veterinarian, Communicable Disease Division, Hawaii State Department of Health.

Table 118.—LICENSED DOGS, BY COUNTY: 1970 TO 1975

Year	State total ¹	City and County of Honolulu	County of Hawaii	County of Kauai ²	County of Maui
1970	39,546	31,559	2,868	...	5,119
1971	46,611	37,693	3,067	...	5,851
1972	52,505	39,104	3,997	2,942	6,462
1973	52,049	37,438	4,579	2,664	7,368
1974	50,169	35,256	5,105	3,249	6,559
1975	55,471	38,564	5,720	3,696	7,491

¹Excludes Kauai before 1972.

²Records for years before 1972 lost in fire.

Source: Honolulu Department of Finance, Division of Licenses; Hawaii County Department of Finance, Treasury Division; Kauai Department of Finance, County Treasurer; Maui Department of Finance, Treasury Division.

SECTION 8

GOVERNMENT FINANCES AND EMPLOYMENT

This section presents statistics relating to the financial structure and civilian employment of Federal, State and County governments in Hawaii.

Local government is vested in one combined city-county (Honolulu, consisting of the Island of Oahu and several outlying islets), three non-metropolitan counties (Hawaii, Kauai, and Maui), and one area (Kalawao County) administered by the State Department of Health. Separate municipal governments do not exist. The counties establish real property tax rates but, except for licenses, permits and fees, tax collections are the responsibility of the State.

Tax collections by Federal, State and County governments in fiscal 1975 reached \$1,853 million, more than triple the level reported ten years earlier. The 1975 total included \$1.1 billion in U.S. taxes, \$744 million in State taxes, and \$21 million in County licenses and fees. Individual income taxes accounted for 75 percent of Federal collections and 23 percent of State collections in Hawaii in 1975. State revenue receipts totaled \$1,032 million, chiefly from the General Excise and Use Tax (\$287 million) and Federal grants-in-aid (\$256 million). The largest expenditure item in the State accounts for 1975 was education, with \$334 million (out of \$1,072 million) going to the University of Hawaii and public schools and libraries. The counties, in contrast, depended largely on the real property tax (assessed and collected by the State) for their revenues, and reported police and fire protection as their largest single expenditure item. The estimated tax burden for a four-person family with per capita personal income equal to the State average in 1974 was \$8,494, including both direct taxes (\$6,556) and employment taxes paid by employers (\$1,938). Assessed valuation of the State tripled between 1965 and 1975. Public bonded debt outstanding at the end of 1975 exceeded \$1.4 billion. Average government employment reported for 1975 was 82,000, about 42 percent over the 1965 average. The 1975 total included 30,500 Federal workers, 38,700 persons employed by the State, and 12,700 persons on County payrolls. State civil service employees as of mid-1975 numbered 14,792.

Important sources for statistics on government in Hawaii include the U.S. Census of Governments and various annual publications of the Bureau of the Census, reports of the U.S. Treasury Department, Hawaii State Departments of Accounting and General Services, Budget and Finance, and Taxation, and the County auditors and finance directors, and an annual compilation issued by the Tax Foundation of Hawaii, *Government in Hawaii: A Handbook of Financial Statistics*. Comparable Mainland statistics appear in the *Statistical Abstract of the United States: 1975*, Sections 8 and 9.

Table 119.—FEDERAL, STATE, AND COUNTY TAX COLLECTIONS: 1958 TO 1975

Year	All levels of government		Federal ¹ (\$1,000)	State ² (\$1,000)	Counties ³ (\$1,000)
	Amount (\$1,000)	Per capita ⁴ (dollars)			
1958	287,176	474	166,306	114,578	6,292
1959	314,277	505	175,176	132,693	6,408
1960	372,012	580	216,939	148,256	6,817
1961	414,517	629	242,358	164,816	7,343
1962	453,021	663	272,265	172,762	7,994
1963	454,641	666	271,153	175,260	8,228
1964	493,311	705	293,453	191,235	8,623
1965	512,066	728	290,164	212,712	9,190
1966	596,646	840	323,614	263,239	9,793
1967	652,681	903	342,842	297,410	12,429
1968	778,291	1,060	440,237	324,323	13,731
1969	922,122	1,229	526,624	379,881	15,617
1970	1,057,376	1,366	602,998	438,397	15,981
1971	1,105,657	1,386	608,051	480,690	16,916
1972	1,162,700	1,416	632,583	512,047	18,070
1973	1,327,151	1,573	735,359	571,689	20,104
1974	1,512,414	1,771	840,089	650,855	21,470
1975	1,852,804	2,142	1,087,520	743,926	21,358

¹Years ended June 30. Internal revenue collections only.

²Years ended June 30.

³Previous calendar year for the City and County of Honolulu through 1961 and for the Counties of Hawaii, Kauai and Maui through 1966; years ended June 30 for the City and County of Honolulu beginning in 1962 and for the Counties of Hawaii, Kauai and Maui beginning in 1967.

⁴Based on total resident population, July 1 (from DPED, Statistical Report 113).

Source: Tax Foundation of Hawaii, *A Compendium of Governmental Finances in Hawaii, 1949-1968*, pp. 30-33, and *Government in Hawaii* (annual).

Table 120.—FEDERAL, STATE, AND COUNTY TAX COLLECTIONS, BY SOURCE: 1965 TO 1975
(Years ended June 30. In thousands of dollars.)

Source	1965	1970	1974	1975
Total, all levels	512,066	1,057,376	1,512,414	1,852,804
Federal collections	290,164	602,998	840,089	1,087,520
Indiv. income and employment	218,295	490,710	710,004	812,775
Corp. income and excess profits	53,039	84,519	96,814	244,506
Other sources	18,830	27,769	33,271	30,239
State collections	212,712	438,397	650,855	743,926
General excise and use	77,252	162,904	244,555	287,479
Fuel	17,058	26,181	29,649	31,639
Liquor	4,183	7,482	11,414	12,783
Public service companies	7,613	14,105	21,167	24,668
Corporate income	7,567	14,578	18,166	31,505
Indiv. income, net income	38,551	105,019	151,734	168,670
Real property	41,757	75,839	121,864	128,670
Unemployment compensation	10,618	14,246	25,168	30,137
Other sources	8,114	18,045	27,136	28,376
County collections	9,190	15,981	21,470	21,358
Motor vehicle weight	5,743	10,070	12,488	11,713
Other sources	3,447	5,910	8,982	9,645

Source: Tax Foundation of Hawaii, *Government in Hawaii, 1976*, pp. 18 and 34.

Table 121.—ESTIMATED TAX BURDEN FOR A FOUR-PERSON FAMILY: 1970 TO 1974

(Based on a gross family income equivalent to four times the per capita personal income estimated for Hawaii. All data are in dollars.)

Tax category ¹	1970	1972	1974
Direct and employment taxes	5,559	6,636	8,494
Direct taxes	4,410	5,192	6,556
Real property	366	421	448
Automobile	225	287	161
General excise	304	329	356
Specific excises	67	103	111
State income	693	837	1,085
Federal income	2,130	2,441	3,209
Social Security	624	774	1,186
Employment taxes paid by employer	1,149	1,444	1,938
Social Security	624	774	1,186
Unemployment compensation	163	273	298
Workmen's compensation	256	305	361
Temporary disability insurance	106	92	93
Assumed gross family income	16,408	18,952	22,164
Index (1974 = 100)	74.0	85.5	100.0
Net income	10,849	12,316	13,670
Index (1974 = 100)	79.4	90.1	100.0
Consumer price index (1974 ave. = 100)	80.5	86.6	100.0

¹For underlying assumptions, see source.Source: Tax Foundation of Hawaii, *Arnie Aloha's 1971 Family Tax Burden* (July 1972) and *The Tax Burden of the Arnie Aloha Family* (November 1973 and March 1975).

Table 122.—STATE REVENUE RECEIPTS: 1974 AND 1975
(Years ended June 30. In thousands of dollars.)

Source of revenues	1974: all funds	1975		
		All funds	General fund	Special funds
Total	895,314	1,032,196	799,425	232,771
Tax revenues	518,928	604,794	553,349	51,444
General excise	244,599	287,488	287,488	
Specific excises	70,646	77,957	56,740	21,217
Individual income	151,734	168,670	168,670	
Corporate income	18,166	31,505	31,505	
Unemployment compensation	25,069	30,082		30,082
Other taxes, licenses, permits	8,713	9,093	8,947	146
Fines, forfeits, and escheats	3,802	4,405	4,135	270
Federal grants-in-aid	224,789	256,370	192,920	63,450
Revenues from other agencies	3,854	4,015	3,335	680
Rents, royalties, land income	5,954	9,095	4,961	4,134
Sales of real property	2,267	818		818
Earnings: general departments	46,923	55,266	22,761	32,505
Earnings: public service enterp.	36,894	37,792		37,792
Repayment advances to other civil div.	11,348	18,875		18,875
Repayment debt costs: counties	2,214	2,089	2,089	
Interest earned	23,334	22,383	12,970	9,413
Miscellaneous	15,006	16,295	2,904	13,391

Source: Tax Foundation of Hawaii, *Government in Hawaii, 1976*, p. 17.

Table 123.—STATE OPERATING EXPENDITURES, BY FUNCTION: 1965 TO 1975
(Years ended June 30. In thousands of dollars.)

Functions	1965	1970	1974	1975
Total	229,016	570,214	898,884	1,071,523
General government: Control	4,442	10,326	12,828	15,383
Staff	9,940	20,512	29,150	37,774
Public safety: Police and fire	64	121	219	247
Other protection	16,107	24,690	34,973	41,283
Highways	17,686	11,890	16,166	19,279
Natural resources	8,910	14,589	10,564	13,867
Health and sanitation	4,497	8,568	16,904	19,798
Hospitals and institutions	11,952	27,019	42,131	48,938
Public welfare	14,931	48,796	118,154	133,529
Education: Higher	28,500	76,550	115,539	126,528
Public schools	59,475	134,534	182,470	198,978
Libraries and other	1,882	6,779	8,367	8,621
Recreation	478	1,346	4,351	4,294
Utilities and other enterprises	7,977	18,642	39,240	45,379
Debt service	14,265	28,158	62,583	72,260
Retirement and pension	10,529	23,581	47,096	43,761
Employees' health and life insurance	2,041	4,870	8,131	8,927
Salary adjustments	—	4,854	—	—
Unemployment compensation	10,983	17,377	45,240	55,611
Grants-in-aid to counties	—	13,607	19,448	19,448
Urban redevelopment and housing	3,220	2,861	12,594	74,183
Miscellaneous	1,137	5,113	11,472	13,205
Cash capital improvements	—	65,431	61,265	70,230

Source: Tax Foundation of Hawaii, *Government in Hawaii, 1976*, p. 41.

**Table 124.—OPERATING REVENUES, BY SOURCE, AND OPERATING EXPENDITURES, BY OBJECT,
FOR COUNTIES: 1975**

(For year ended June 30. In thousands of dollars.)

Subject	City and Co. of Honolulu	County of Hawaii	County of Kauai	County of Maui
OPERATING REVENUES				
Total	189,212	29,515	12,806	27,718
Real property taxes	98,225	15,622	4,993	9,828
Other taxes	20,231	2,541	1,187	2,133
Fees, licenses and permits	5,830	751	260	598
Departmental earnings	9,154	2,237	1,358	1,761
State grants	9,611	5,380	3,220	4,350
Federal grants	42,066	2,833	1,708	8,964
Other sources	4,095	152	80	84
OPERATING EXPENDITURES				
Total	195,818	29,523	12,324	22,009
General government	16,147	4,049	2,574	2,887
Police and fire	40,986	7,186	3,045	4,611
Other protection	7,375	1,624	295	582
Highways	10,046	2,704	950	1,957
Health and sanitation	14,715	788	282	495
Recreation	14,988	2,373	832	1,300
Interest	7,989	1,601	722	1,047
Bond redemption	14,357	1,796	639	629
Employee retirement	10,598	2,557	201	1,668
Urban redevelopment	19,451	—	—	—
Miscellaneous	15,383	1,264	2,192	1,298
Cash capital improvements	23,785	3,581	593	5,535

Source: Tax Foundation of Hawaii, *Government in Hawaii, 1975*, pp. 30, 31, 42, and 43.

Table 125.—GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS: 1965, 1974, AND 1975

Source of revenue	Tax base (\$1,000)			Tax collections (\$1,000)		
	1965 ¹	1974 ²	1975	1965 ¹	1974 ²	1975
Total	3,231,609	9,512,496	10,867,468	84,020	264,738	301,475
Retailing	1,097,826	2,959,201	3,378,817	40,185	118,341	135,149
Services	260,693	783,771	919,912	9,548	31,343	36,796
Contracting	338,557	1,027,195	1,161,913	12,175	41,090	46,476
Theater, amuse., etc.	27,681	66,557	74,561	1,021	2,662	2,982
Interest	32,147	75,456	72,218	1,179	3,014	2,889
Commissions	54,302	154,205	155,422	1,997	6,168	6,217
Hotel rentals	275,906	319,109	365,919	10,138	12,764	14,637
Other rentals		574,237	653,873		22,969	26,154
Consumption	38,394	—	—	1,345	—	—
Use (4%)	—	104,028	113,828	—	4,161	4,553
All others	33,161	101,250	122,823	1,170	4,040	4,912
Public utility airlines	—	—	—	—	—	—
Insurance solicitors	10,059	22,050	31,688	162	441	634
Sugar processing	152,701	454,660	605,521	735	2,273	3,028
Pineapple canning	123,761	103,686	131,655	627	518	658
Producing	62,733	99,165	110,422	287	496	552
Manufacturing	188,741	376,268	429,748	935	1,881	2,149
Blind vendors	581	2,289	2,246	3	11	11
Wholesaling	482,563	1,374,819	1,527,057	2,386	6,874	7,635
Services (intermediary)	17,115	41,523	37,505	83	208	188
Compensating	34,688	—	—	173	—	—
Use (½%)	—	873,027	972,342	—	4,365	4,862
Payments of est. tax	—	—	—	15	132	-180
Disaster refunds	—	—	—	390	—	—
Penalties and interest	—	—	—	248	987	1,173

¹General excise, consumption, and compensating tax.

²Revised.

Source: Hawaii State Department of Taxation, *General Excise and Use Tax Base and General Excise and Use Tax Collections* (annual).

Table 126.—REAL PROPERTY TAX VALUATIONS: 1965 AND 1975
(In thousands of dollars)

Subject	Jan. 1, 1965: State total	July 1, 1975, by county				
		State total	Honolulu	Maui	Hawaii	Kauai
Number of parcels	208,339	316,240	158,069	31,137	112,283	14,751
Assessor's gross valuation	4,574,005	15,254,436	12,043,358	1,203,063	1,460,556	547,459
Land	2,752,196	8,025,847	6,193,228	648,983	867,860	315,776
Improvement	1,821,809	7,228,589	5,850,130	554,080	592,696	231,683
Exemptions	1,795,749	4,838,509	4,098,018	239,529	398,356	102,606
Federal	631,701	1,012,194	993,273	2,634	11,977	4,310
State	411,965	1,475,485	1,202,295	61,187	186,597	25,406
County	232,250	471,579	408,971	34,125	18,835	9,648
Hawaiian Homes Commission	4,909	18,224	5,466	3,908	8,063	787
Homes, fee	225,920	889,454	619,839	94,952	125,498	49,165
Homes, leasehold	48,843	292,534	285,669	1,907	4,017	941
Public utilities	56,214	104,540	87,213	6,497	9,445	1,385
All other ¹	183,947	574,499	495,292	34,319	33,924	10,964
Assessor's net taxable valuation	2,778,256	10,415,927	7,945,340	963,534	1,062,200	444,853
Valuation for tax rate purposes ²	2,749,162	10,236,457	7,797,632	952,196	1,054,718	431,911
Amounts to be raised	48,233	156,894	119,850	11,902	18,879	6,263
Assessment ratio (percent)	70	70	70	70	70	70

¹ Religious, charitable, educational, hospital, etc.

² After allowance for appeals (1,612 in 1965 and 7,463 in 1975).

Source: Hawaii State Department of Taxation, "Real Property Tax Valuations and Tax Rates" (annual tabular release) and records.

**Table 127.—ADJUSTED GROSS INCOME REPORTED ON
INDIVIDUAL FEDERAL INCOME TAX RETURNS: 1958 TO 1972**

Year earned	Number of returns	Adjusted gross income (less deficit)	
		Total (\$1,000)	Per return (dollars)
1958	215,402	896,695	4,163
1959	225,050	1,051,888	4,674
1960	233,723	1,195,047	5,113
1961	238,993	1,333,816	5,581
1962	243,805	1,328,945	5,451
1963	246,368	1,381,865	5,609
1964	254,499	1,473,087	5,788
1965	257,466	1,589,418	6,173
1966	250,678	1,784,039	7,117
1967	263,518	1,910,919	7,252
1968	273,823	2,113,522	7,719
1969	290,251	2,407,048	8,293
1970	302,426	2,802,445	9,267
1971	308,814	3,010,051	9,747
1972	318,023	3,250,608	10,221

Source: U.S. Treasury Department, Internal Revenue Service, *Statistics of Income. Individual Income Tax Returns* (annual).

Table 128.—INCOME DISTRIBUTION REPORTED ON INDIVIDUAL FEDERAL INCOME TAX RETURNS: 1970 TO 1972

(By year in which income was earned. Not precisely comparable among all years, due to changes in law, return forms, and other factors.)

Adjusted gross income	1970	1971	1972
All returns	302,426	308,814	318,023
Under \$1,000	38,320	31,778	24,757
\$1,000 under \$2,000	13,252	24,397	23,160
\$2,000 under \$3,000	25,056	12,655	26,774
\$3,000 under \$4,000	18,429	19,351	17,354
\$4,000 under \$5,000	18,179	19,173	24,551
\$5,000 under \$6,000	18,495	15,968	} 28,854
\$6,000 under \$7,000	20,993	4,810	
\$7,000 under \$8,000	13,083	24,220	12,791
\$8,000 under \$9,000	11,342	14,900	19,461
\$9,000 under \$10,000	12,552	22,016	13,742
\$10,000 under \$11,000	14,355	10,824	9,767
\$11,000 under \$12,000	10,405	12,983	8,244
\$12,000 under \$13,000	12,112	13,433	11,218
\$13,000 under \$14,000	11,138	9,194	12,299
\$14,000 under \$15,000	8,086	10,335	14,345
\$15,000 under \$20,000	31,559	32,635	34,624
\$20,000 under \$25,000	13,173	16,697	17,344
\$25,000 under \$30,000	4,698	6,747	9,888
\$30,000 under \$50,000	5,411	4,654	6,341
\$50,000 under \$100,000	1,480	1,691	2,076
\$100,000 under \$200,000	254	286	350
\$200,000 under \$500,000	50	55	73
\$500,000 under \$1,000,000	} 4	12	} 5
\$1,000,000 or more .....				5
Median income (dollars)	6,928	8,138	8,040

Source: U.S. Treasury Department, Internal Revenue Service, *Statistics of Income. Individual Income Tax Returns* (annual).

**Table 129.—STATE INCOME TAX RETURNS ON INCOME RECEIVED DURING 1973,
BY ADJUSTED GROSS INCOME CLASS**

Adjusted gross income class	Number of returns ¹	Adjusted gross income ² (\$1,000)	Net taxable income (\$1,000)	Tax liability (\$1,000)
All returns	338,089	3,391,445	2,170,208	141,113
Taxable returns	266,805	3,239,295	2,128,630	138,670
\$500, under \$1,000	4,156	3,860	357	9
\$1,000, under \$2,000	22,910	33,679	12,734	321
\$2,000, under \$3,000	17,872	44,381	23,823	787
\$3,000, under \$4,000	14,406	50,487	29,191	1,161
\$4,000, under \$5,000	14,543	65,339	38,223	1,710
\$5,000, under \$6,000	13,164	72,369	45,091	2,196
\$6,000, under \$8,000	26,848	186,885	113,640	5,872
\$8,000, under \$10,000	23,413	210,404	134,985	7,516
\$10,000, under \$15,000	51,245	637,307	403,226	23,651
\$15,000, under \$20,000	35,607	615,334	399,807	25,213
\$20,000, under \$25,000	20,357	452,561	303,651	20,490
\$25,000, under \$30,000	10,195	277,116	189,375	13,509
\$30,000, under \$50,000	9,243	335,119	240,580	18,668
\$50,000, under \$75,000	1,768	105,103	79,311	6,849
\$75,000, under \$100,000	546	46,699	34,717	3,162
\$100,000, under \$150,000	319	38,392	29,277	2,767
\$150,000 and over	213	63,959	50,643	4,789
Nontaxable returns	50,193	68,440	—	—
Loss	949	-8,021	—	—
Under \$500	20,087	4,712	—	—
\$500, under \$1,000	14,308	9,867	—	—
\$1,000, under \$2,000	6,058	8,813	—	—
\$2,000, under \$3,000	3,145	7,800	—	—
\$3,000, under \$4,000	1,720	5,963	—	—
\$4,000, under \$5,000	1,076	4,847	—	—
\$5,000 and over	2,850	26,438	—	—
Nonresident returns	21,091	83,709	41,577	2,443

¹ The median adjusted gross income for taxable returns was \$9,666 (\$4,650 for single returns and \$15,189 for joint returns); for taxable and non-taxable returns combined, it was \$7,680 (\$3,262 for single returns and \$14,114 for joint returns).

² Totals and subtotals exclude losses.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns 1973, Individuals* (February 1976), pp. 5 and 16.

Table 130.—FEDERAL OUTLAYS IN HAWAII, BY AGENCY AND FUNCTION: FISCAL 1975

Agency and function	Outlay (\$1,000)
Total outlays	2,060,344
Agency:	
Dept. of Agriculture	47,950
Dept. of Commerce	7,335
Dept. of Defense	1,106,976
Dept. of Health, Education and Welfare	327,819
Dept. of Housing and Urban Development	15,880
Dept. of the Interior	5,908
Dept. of Justice	5,053
Dept. of Labor	36,686
Dept. of State	7,617
Dept. of Transportation	199,769
Treasury Dept.	60,719
Civil Service Commission	71,222
Environmental Protection Agency	46,064
Postal Service	32,522
Veterans Administration	62,526
Other agencies	26,298
Function:	
Dept. of Defense—military	1,106,976
Community planning, management, and development	19,435
Pollution control and abatement	46,072
Air transportation	30,638
Water transportation	25,447
Ground transportation	143,675
Postal service	32,522
Elementary and secondary education	19,106
Manpower training and employment services	25,707
Providing or financing medical services	57,603
Retirement and disability	242,466
Public assistance	94,232
Income security for veterans	23,367
Veterans education, training, and rehabilitation	32,835
Interest on the public debt	29,912
General revenue sharing	26,799
Other functions	103,552

Source: U.S. Office of Economic Opportunity, *Federal Outlays in Hawaii, Fiscal Year 1975*, FIXS-75-12.

Table 131.—FEDERAL AID: 1970 TO 1975
(Fiscal year data, in thousands of dollars)

Year and program	Amount
1970	123,582
1971	132,839
1972	163,355
1973	210,535
1974	245,308
1975	246,778
TYPE OF AID: 1975¹	
Environmental Protection Agency	11,025
Dept. of Health, Educ., and Welfare:	
School assistance in federally affected areas	11,611
Public assistance: Maintenance	26,549
Medical	18,542
Dept. of Labor: Comprehensive Manpower Act	14,930
Dept. of Transportation: Highway trust fund	42,230
Dept. of the Treasure: Revenue sharing	26,799

¹ Major types only.

Source: U.S. Department of the Treasury, *Federal Aid to States* for fiscal years 1974 and 1975.

Table 132.—PUBLIC BONDED DEBT OF STATE AND COUNTY GOVERNMENTS: 1958 TO 1975
(As of December 31. In millions of dollars.)

Year	Total outstanding	Governmental unit and funds charged with debt service costs	Outstanding, 1975
1958	214.4	All units	1,435.9
1959	273.8		
1960	285.6	State	1,185.6
1961	306.8	General fund	619.6
1962	312.7	Highway fund	120.3
1963	386.5	Airport revenues	241.5
1964	423.6	Other funds	204.3
1965	454.1		
1966	412.3	Honolulu	182.8
1967	472.9	General fund (State issues)	2.5
1968	533.8	General fund (County issues)	107.0
1969	631.3	Other funds	73.3
1970	742.0		
1971	925.5	Maui	22.4
1972	1,080.4	General fund (State issues)	0.1
1973	1,219.4	General fund (County issues)	19.1
1974	1,274.4	Other funds	3.3
1975	1,435.9		
		Hawaii	31.8
		General fund (State issues)	1.3
		General fund (County issues)	30.0
		Other funds	0.5
		Kauai	13.3
		General fund (State issues)	0.1
		General fund (County issues)	12.5
		Other funds	0.7

Source: Tax Foundation of Hawaii, *A Compendium of Governmental Finances in Hawaii, 1949-1968* (November 1969), p. 71, and *Government in Hawaii* (annual).

Table 133.—FEDERAL, STATE, AND COUNTY EMPLOYMENT: ANNUAL AVERAGES, 1958 TO 1976

Year	Full- and part-time civilian employment								Armed forces ashore ¹
	Total	Federal				State	Counties		
		Total	Air Force	Army	Navy			Other	
1958	46,970	25,560	2,700	4,850	10,800	7,210	13,700	7,710	45,000
1959	48,320	26,200	2,670	4,950	10,830	7,750	14,290	7,830	45,000
1960	49,510	27,010	2,720	4,950	10,980	8,360	14,620	7,880	42,000
1961	50,390	27,290	2,780	5,120	10,990	8,400	15,030	8,070	45,000
1962	51,170	27,770	2,810	5,000	10,890	9,070	15,070	8,330	48,000
1963	52,890	27,910	2,790	4,940	10,690	9,490	16,430	8,550	48,000
1964	54,440	28,440	2,810	5,020	10,710	9,900	17,150	8,850	51,000
1965	57,840	29,690	2,940	5,200	10,900	10,650	18,880	9,270	48,000
1966	62,630	31,620	3,250	5,620	11,860	10,890	21,260	9,750	41,000
1967	66,340	33,900	3,540	5,980	13,010	11,370	22,630	9,810	41,000
1968	69,230	34,970	3,730	6,120	13,280	11,840	24,420	9,840	42,000
1969	71,130	34,690	4,030	6,440	13,050	11,170	26,090	10,350	41,000
1970	73,640	33,380	3,680	6,100	12,300	11,300	30,600	9,660	42,000
1971	78,220	32,920	3,430	6,020	12,070	11,400	34,920	10,380	38,000
1972	79,390	32,680	3,380	5,990	11,820	11,480	35,290	11,430	41,000
1973	78,030	31,640	3,300	6,050	11,250	11,050	35,250	11,140	44,600
1974	78,890	31,010	3,280	5,720	11,210	10,810	35,940	11,940	46,898
1975	81,980	30,530	3,300	5,290	11,080	10,860	38,700	12,750	45,989
1976 ²	85,880	29,860	3,220	5,040	11,040	10,560	43,230	12,790	(NA)

NA Not available.

¹Excludes Naval personnel aboard ships.

²March data.

Source: Hawaii State Department of Labor and Industrial Relations. *Labor Force Estimates* (annual, 1958-1969), *State of Hawaii Labor Force Statistics* (annual, 1970-1974), and records; U.S. Department of Commerce, Bureau of Economic Analysis, unpublished data on armed forces ashore.

Table 134.—STATE CIVIL SERVICE: 1970 TO 1975
(Years ended June 30)

Subject	1970	1974	1975
Civil service employees	14,137	14,460	14,792
Department of Education	3,614	3,533	3,549
Department of Health	3,093	3,044	3,251
Department of Social Services and Housing	1,033	1,244	1,260
Department of Transportation	1,462	1,548	1,582
University of Hawaii	1,637	1,631	1,615
All others	3,298	3,460	3,535
Separations	1,900	1,320	1,337
Promotions	718	445	701
Transfers, demotions, and returns after promotions	820	509	614
Classification actions processed	5,321	2,087	2,591
Applications received	17,636	13,337	18,449
Applicants examined	(NA)	6,834	11,900
Applicants placed on eligible list	8,800	4,873	8,951
Eligibles certified for vacancies	9,616	11,681	17,521
Vacancies filled through certification of eligibles or non-competitive actions	4,428	2,710	3,688

NA Not available.

Source: Hawaii State Department of Personnel Services, *Annual Report* for 1974 and 1975.

SECTION 9

SOCIAL INSURANCE AND WELFARE SERVICES

This section presents data related to governmental programs for old-age, survivors, disability and health insurance; public employee retirement; unemployment and temporary disability insurance; aid to the needy; and maternal, child, and other welfare services. Also included here are selected statistics on private charity and welfare programs.

Total public welfare costs reached \$121.6 million in fiscal 1975, compared with \$46.6 million in 1970, \$9.3 million in 1960, and \$8.1 million in 1950. About 61 percent of the 1975 total came from State funds and the remainder from the Federal government. The monthly average number of persons served by major welfare programs in 1975 was 59,911, or 7.0 percent of the population of the State at the beginning of the year. Almost two-thirds of all public assistance payments and one-half of all recipient cases were accounted for by aid to families with dependent children. The average monthly payment per case for public assistance was \$275. Participation in the food stamp program included 27,000 households and 76,000 persons. Among workers receiving unemployment compensation in 1974, weekly benefits averaged \$71.86. More than 87,000 Hawaii residents were receiving Social Security benefits as of the end of 1974, and almost 55,000 were enrolled for Medicare. There were also 8,600 State and County government pensioners in 1975. The Aloha United Way spent \$5.2 million on Oahu during 1974.

Major data sources include reports and records of the U.S. Department of Health, Education, and Welfare, the Hawaii State Department of Social Services and Housing, the Hawaii State Department of Labor and Industrial Relations, the Hawaii State Employee's Retirement System, and the Aloha United Way. Section 10 of the *Statistical Abstract of the United States: 1975* presents comparable Mainland data.

Table 135.—SOCIAL WELFARE COSTS: 1958 TO 1975
(In thousands of dollars. For years ended June 30.)

Year ended June 30	Total cost	By source of funds		By expenditure category			
		Federal	State	Administration	Medical payments ¹	Money payments	Social service cost
1958	8,193	3,813	4,380	1,100	563	6,530	—
1959	8,578	3,992	4,586	1,143	581	6,854	—
1960	9,329	4,032	5,297	1,363	1,158	6,808	—
1961	9,489	4,090	5,398	1,339	1,277	6,873	—
1962	11,618	5,118	6,500	1,736	2,699	7,183	—
1963	12,697	5,897	6,800	1,667	3,100	7,931	—
1964	14,381	6,472	7,909	2,089	4,206	8,085	—
1965	14,673	6,404	8,269	2,146	4,356	8,171	—
1966	19,955	8,034	11,921	2,580	6,390	10,985	—
1967	23,704	10,869	12,835	2,642	7,396	13,666	—
1968	29,565	12,941	16,624	2,951	10,297	16,318	—
1969	35,706	15,167	20,539	3,272	12,948	19,486	—
1970	46,566	20,396	26,170	3,730	16,421	26,415	—
1971	67,645	27,769	39,876	5,483	23,926	38,236	—
1972	94,212	38,143	56,069	6,324	34,278	53,610	—
1973	107,237	43,107	64,130	6,757	35,542	64,180	758
1974	111,627	45,782	65,845	7,933	39,096	63,131	1,467
1975	121,643	47,163	74,479	8,262	41,158	70,622	1,601

¹Expenditures by the Department of Public Welfare or Department of Social Services and Housing. Before 1960, the Department of Health was responsible for medical care, and the Department of Public Welfare participated in "Premium Payment Plan" for indigents only for hospital care in order to obtain federal funds. Effective January 1960, the Medical Care Program for Indigents and Medically Indigent was established under the Department of Social Services, and the Department of Health and county health departments were no longer responsible.

Source: Hawaii State Department of Social Services and Housing, records.

Table 136.— PERSONS SERVED AND AVERAGE PAYMENTS, FOR PROGRAMS ADMINISTERED BY THE HAWAII STATE DEPARTMENT OF SOCIAL SERVICES AND HOUSING: 1958 TO 1975, MONTHLY AVERAGES

Year ended June 30	Major programs ¹		Service cases	Medical payments		Average payments ² (dollars)	
	Recipients	Individuals		Cases	Individuals	Per case	Per individual
1958	7,575	16,752	954	...	...	...	32.77
1959	7,187	15,925	936	...	...	...	36.22
1960	6,764	14,974	962	...	...	...	38.19
1961	6,537	14,661	967	...	...	...	39.48
1962	6,599	15,898	1,378	...	...	91.59	37.91
1963	6,897	17,300	1,463	...	...	96.75	37.70
1964	6,931	17,722	1,696	...	...	97.21	38.02
1965	6,807	17,634	1,474	...	...	100.03	38.62
1966	7,383	19,136	1,457	...	...	123.99	47.84
1967	8,581	22,350	1,311	...	...	132.71	50.96
1968	10,043	26,337	961	...	...	137.39	52.39
1969	11,013	28,845	926	2,492	2,700	147.86	56.45
1970	12,940	34,320	900	2,942	3,370	170.17	64.14
1971	16,467	44,897	743	4,073	4,496	198.20	72.69
1972	20,627	57,462	1,767	4,068	5,672	220.79	79.26
1973	24,400	66,535	5,341	3,040	4,612	227.11	82.30
1974	21,713	63,807	7,242	5,653	6,912	237.54	85.10
1975	20,850	59,911	7,777	8,212	8,963	275.20	95.77

¹Old age assistance, aid to disabled, aid to families with dependent children, AFDC unemployed parents, AFDC foster care, child welfare foster care, and general assistance. Old age assistance, aid to the blind and aid to disabled assisted through the Federal Social Security Administration with State supplements excluded beginning January 1, 1974.

²Gross obligation basis.

Source: Hawaii State Department of Social Services and Housing, records.

Table 137.—PUBLIC ASSISTANCE PAYMENTS AND RECIPIENTS: 1974 AND 1975
(Years ended June 30)

Program	Total payments (\$1,000)		Recipient cases (monthly average)		Average monthly payment (dollars)	
	1974	1975	1974	1975	1974	1975
All programs	63,661	83,036	24,621	29,236	238	275
Old age assistance ¹	2,065	7,042	3,120	4,972	110	118
Aid to the blind ¹	74	229	88	115	139	166
Aid to disabled ¹	2,365	6,989	2,636	3,369	149	173
Aid to families with dependent children ²	44,920	53,251	13,126	14,339	285	309
Child welfare foster care	908	915	548	581	138	131
General assistance	11,564	14,619	5,103	5,860	189	208
Supplementary Security payments	1,765	—	—	—	—	—

¹ Assisted through the Federal Social Security Administration, with State supplements excluded beginning January 1, 1974. Data on cases and average payments in fiscal 1974 based on data for July 1–December 31, 1973.

² Includes AFDC unemployed parent and AFDC foster care.

Source: Hawaii State Department of Social Services and Housing, records.

Table 138.—FOOD STAMPS: 1967 TO 1975
(Years ended June 30.)

Year ended June 30	Participation in food stamp program (monthly averages)						Food stamp purchase amount and bonus (dollars)		
	All participants		Public assistance recipients		Other participants ¹		Total ²	Purchase ³	Bonus ⁴
	Households	Persons	Households	Persons	Households	Persons			
1967	1,459	5,717	1,217	4,667	242	1,050	1,388,760	998,113	390,647
1968	2,408	9,780	1,764	6,885	644	2,895	2,311,750	1,612,471	699,279
1969	2,758	11,487	2,023	8,222	735	3,265	2,768,120	1,994,976	773,144
1970	3,576	14,068	2,873	11,328	703	2,740	3,846,511	2,626,787	1,219,724
1971	8,204	26,400	5,612	19,942	2,592	6,458	8,070,415	4,714,195	3,356,220
1972	12,338	35,774	9,087	29,745	3,254	6,029	14,266,005	7,497,839	6,768,166
1973	16,938	50,688	11,786	38,735	5,152	11,953	21,511,316	10,665,200	10,846,116
1974	20,975	60,064	14,046	43,500	6,929	16,564	28,470,635	13,665,000	14,805,635
1975	27,389	76,398	17,017	50,197	10,372	26,201	42,132,261	18,549,128	23,583,133

¹ Not receiving public assistance recipients (food stamp only).

² Total value of food stamps to recipients available for purchase of food.

³ Amount paid for by recipients.

⁴ Bonus or free coupons given to recipients.

Source: Hawaii State Department of Social Services and Housing, records.

Table 139.—SOCIAL SECURITY RECIPIENTS AND BENEFITS: 1958 TO 1974

Year	Number of recipients at end of year	Monthly amount payable at end of year (\$1,000)	Total amount paid during year ¹ (\$1,000)
1958	26,042	1,452	16,434
1959	28,073	1,591	19,467
1960	30,415	1,771	21,127
1961	34,533	2,084	24,555
1962	37,804	2,325	28,345
1963	40,719	2,557	30,814
1964	43,068	2,751	33,250
1965	46,861	3,254	38,751
1966	53,392	3,647	43,906
1967	57,254	4,584	48,368
1968	59,815	4,826	57,879
1969	62,824	5,182	63,893
1970	66,488	6,437	77,593
1971	70,912	7,666	92,440
1972	76,413	10,141	107,125
1973	82,224	11,202	134,198
1974	87,141	13,433	155,178

¹Includes also retroactive benefits and lump-sum death payments.

Source: U.S. Department of Health, Education, and Welfare, Social Security Administration, Office of Research and Statistics, Division of OASDI Statistics, records.

Table 140.—MEDICARE ENROLLMENT AND REIMBURSEMENT: 1974

Coverage	Enrollment, July 1, 1974		Reimbursement, 1974 (\$1,000)	
	Age 65 and over	Disabled and renal disease	Age 65 and over	Disabled and renal disease
Hospital and/or medical	54,825	4,755	23,529	3,438
Hospital only	53,566	4,755	15,714	1,761
Medical only	53,256	4,361	7,815	1,677

Source: U.S. Department of Health, Education, and Welfare, Social Security Administration, records.

Table 141.—UNEMPLOYMENT INSURANCE: 1958 TO 1975

Calendar year	Covered employment		Insured unemployment		Average weekly total wages (dollars)	Gross benefits ¹ (\$1,000)	Weekly benefits		Average benefit duration ² (weeks)	Exhaustion rate ³ (percent)
	Total	Percent of total employment	Total	Percent of total unemployment			Maximum (dollars)	Average (dollars)		
1958	139,781	69	3,768	53	69.19	3,995	35	27.36	12.8	18.7
1959	161,468	75	3,437	50	73.60	4,392	45	27.84	11.6	6.9
1960	199,571	88	3,945	56	77.71	5,193	45	29.58	11.8	8.9
1961	199,352	86	6,474	65	80.94	9,924	55	33.48	13.6	16.9
1962	206,203	88	7,219	62	83.60	12,599	55	36.87	13.8	22.9
1963	210,081	88	7,445	62	86.40	12,722	55	37.41	13.8	18.6
1964	217,216	88	5,606	56	91.25	10,389	55	37.88	13.7	21.0
1965	228,913	88	5,277	57	95.27	9,670	55	38.88	13.6	20.7
1966	241,752	89	4,823	53	100.21	9,685	62	42.93	12.1	15.9
1967	251,618	89	5,964	58	104.10	13,330	66	48.35	14.8	21.7
1968	264,602	89	4,642	52	112.83	10,139	68	47.63	13.7	20.0
1969	284,704	90	4,387	50	123.02	10,435	72	50.90	13.5	18.9
1970	302,388	91	7,369	52	131.87	20,655	79	58.15	15.0	21.3
1971	309,901	91	12,315	60	135.38	35,390	86	63.38	18.3	33.8
1972	321,751	92	14,485	59	141.92	37,865	90	65.57	19.9	41.7
1973	335,615	92	12,107	50	151.17	37,014	93	67.57	16.0	30.2
1974	342,615	92	13,900	51	162.25	45,208	98	71.86	16.2	35.3
1975	(NA)	(NA)	18,779	(NA)	(NA)	58,942	104	76.34	16.4	34.1

NA Not available.

¹Regular benefits only. Extended benefits amounted to \$773,000 in 1971, \$7,387,000 in 1972, \$21,000 in 1973, \$170 in 1974, and \$11,831,000 in 1975.

²Regular benefits only. Extended benefits averaged 5.7 weeks in 1971, 11.0 weeks in 1972, 4.0 weeks in 1973, and 10.4 weeks in 1975.

³Regular benefits only.

Source: Hawaii State Department of Labor and Industrial Relations, *Unemployment Insurance Fact Book* (1975), and records.

Table 142.—HAWAII STATE EMPLOYEES RETIREMENT SYSTEM: 1960 TO 1975

Year	Membership, March 31 ¹	Pensioners, March 31 ¹	Assets, June 30 (\$1,000)	Total benefits paid ² (\$1,000)	Administration expenses ² (\$1,000)
1960	24,092	1,971	141,162	4,071	176
1961	25,314	2,229	154,055	4,589	177
1962	26,440	2,469	173,386	5,209	192
1963	27,203	2,699	192,764	6,289	201
1964	27,901	2,987	209,390	7,556	219
1965	28,694	3,297	230,906	8,216	201
1966	31,492	3,611	257,504	10,323	219
1967	33,764	4,176	282,388	13,287	245
1968	35,370	4,625	316,038	15,257	253
1969	36,445	5,169	351,771	22,651	294
1970	38,912	5,641	388,561	22,822	337
1971	42,262	6,069	435,464	25,665	419
1972	43,736	6,667	489,437	31,359	479
1973	44,471	7,343	545,465	37,602	426
1974	43,371	7,971	611,676	41,130	488
1975	44,363	8,600	683,305	46,782	564

¹June 30 before 1963.

²Years ended June 30. Benefits data exclude Pensioners' Bonus and Social Security.

Source: Hawaii State Employees' Retirement System, *50th Annual Report, June 30, 1975* (Publication No. 47), p. 17.

Table 143.—ALOHA UNITED WAY REVENUE AND EXPENDITURES, FOR OAHU: 1967 TO 1975
(In dollars)

Year	Support and revenue		Expenditures	
	Total	Campaign contributions ¹	Total	Allocations to agencies
1967 ²	3,450,332	3,553,920	3,101,230	2,880,984
1968	4,013,848	3,835,104	3,499,445	3,266,414
1969	3,975,406	4,036,075	3,892,922	3,605,892
1970	4,377,883	4,507,229	4,277,561	3,963,195
1971	4,714,072	4,862,764	4,615,511	4,265,374
1972	4,749,399	5,007,611	4,682,606	4,308,488
1973	4,829,529	5,076,425	4,805,589	4,412,466
1974	5,257,649	5,528,287	5,187,501	4,774,390
1975	5,666,282	5,518,832	5,827,974	5,138,244

¹Before adjustment for uncollectible allowance.

²Earliest full year available. The Aloha United Fund was granted status as a non-profit corporation on March 10, 1966, as the successor to the Honolulu Community Chest.

Source: Aloha United Way, *Annual Report, 1967-1975*.

SECTION 10

NATIONAL DEFENSE

This section presents statistics relating to the armed forces and their dependents, civilian employment in national defense, veterans, military housing and land ownership, and expenditures by the armed forces.

There were approximately 59,700 officers and enlisted men (including 13,300 aboard ships homeported in Hawaii) and over 67,000 military dependents in the Islands as of July 1, 1976. This number has been relatively stable in recent years, but at the height of World War II more than 400,000 uniformed personnel were present. The Navy alone accounts for about two-fifths of the current total. More than 10,000 Hawaii residents were in the armed forces worldwide in 1975. The importance of national defense in Hawaii can be further measured by total expenditures (\$983,000,000), military prime contract awards (\$299 million), civilian employment (almost 20,000), veterans in civil life (93,000), military personnel receiving retired or retainer pay (7,200 men, receiving \$51 million), federally-connected pupils in public schools (45,500), military housing (16,300 units), and land controlled by the armed forces (223,000 acres). Defense expenditures are second only to tourism as a source of income to Hawaii.

The Department of Planning and Economic Development has, since 1959, issued periodic reports on *Military Personnel and Dependents in Hawaii*. Other published sources include reports of the Bureau of the Census, the Administrator of Veterans Affairs, the Department of Defense, the Hawaii State Department of Labor and Industrial Relations, the Hawaii State Census Statistical Areas Committee, and the Honolulu Department of Housing and Community Development. Definitions used by these sources frequently differ to some degree, and care is accordingly necessary in comparing data issued by two or more agencies. Section 11 of the *Statistical Abstract of the United States: 1975* presents data on national defense and veterans affairs for other States and the entire nation.

Table 144.—ARMED FORCES AND DEPENDENTS: 1958 TO 1975
 (Includes Navy personnel in Hawaiian waters, regardless of home port, and excludes all Coast Guard personnel; for these reasons, data differ somewhat from those in the following table.)

Year	Active-duty military personnel in Hawaii, June 30				Dependents located in Hawaii, March 31 ¹
	Total	Shore-based	Afloat and mobile		
			Temporarily shore-based	Other ²	
1958	53,266	35,849	6,594	10,823	56,976
1959	55,016	37,536	7,034	10,446	50,882
1960	55,702	35,970	7,155	12,577	62,608
1961	57,589	37,681	6,384	13,524	63,172
1962	75,436	41,615	5,737	28,084	63,889
1963	57,433	41,018	5,966	10,449	66,425
1964	70,660	45,714	6,462	18,484	68,138
1965	53,216	40,184	4,170	8,862	72,981
1966	49,633	28,695	5,014	15,924	69,048
1967	52,862	34,370	5,374	13,118	57,253
1968	52,916	33,987	8,573	10,356	61,940
1969	46,514	33,739	5,400	7,375	65,925
1970	50,524	33,337	7,102	10,085	57,382
1971	41,877	28,352	3,848	9,677	57,816
1972	47,799	36,494	1,724	9,581	61,713
1973	54,184	43,315	2,188	8,681	60,206
1974	52,309	41,913	1,889	8,507	62,160
1975	56,426		47,010	9,416	66,092

¹Data include dependents of Hawaii residents stationed out of State, if those dependents remain in Hawaii.

²Navy personnel afloat, identified with nearest port.

Source: Office of the Assistant Secretary of Defense, records.

Table 145.—MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES: 1959 TO 1976
(Includes Navy and Coast Guard personnel afloat on a homeported basis and hence is not comparable to Department of Defense data in the preceding table.)

Year, island, and service ¹	Personnel and dependents	Military personnel			Dependents in Hawaii	Military families in Hawaii
		Total	Ashore	Aboard ship ²		
1959 ³	112,525	56,303	(NA)	(NA)	56,222	(NA)
1960 ⁴	112,938	52,881	41,927	10,954	60,057	19,631
1961	118,381	56,348	44,155	12,193	62,033	21,007
1962	122,933	59,702	48,020	11,682	63,231	21,973
1963	118,588	57,093	45,354	11,739	61,495	21,651
1964	128,930	59,840	47,959	11,881	69,090	21,631
1965	121,929	56,113	42,960	13,153	65,816	23,156
1966	112,359	49,737	31,476	18,261	62,622	21,154
1967	112,303	51,002	38,904	12,098	61,301	20,854
1968	107,746	48,613	36,712	11,901	59,133	21,818
1969	115,979	56,282	38,501	17,781	59,697	21,623
1970	111,549	53,768	39,822	13,946	57,781	20,568
1971	112,943	50,762	35,824	14,938	62,181	23,184
1972	118,760	52,538	37,124	15,414	66,222	23,688
1973	128,082	57,783	43,064	14,719	70,299	25,264
1974	126,882	58,558	45,369	13,189	68,324	29,082
1975	121,911	58,205	45,589	12,616	63,706	26,122
1976	126,694	59,737	46,453	13,284	66,957	26,395
ISLAND: 1976						
Oahu	125,983	59,394	46,138	13,256	66,589	26,249
French Frigate Shoals	21	21	21	—	—	—
Kure Atoll	25	25	25	—	—	—
Hawaii	240	135	121	14	105	39
Kauai	340	137	137	—	203	86
Maui	80	21	7	14	59	20
Molokai	5	4	4	—	1	1
SERVICE: 1976						
Air Force	20,973	6,500	6,500	—	14,473	4,913
Army	38,164	19,200	19,200	—	18,964	7,812
Coast Guard	2,356	1,217	760	457	1,139	420
Marine Corps	15,853	8,479	8,479	—	7,374	3,163
Navy	49,348	24,341	11,514	12,827	25,007	10,087

NA Not available

¹July 1 data unless otherwise specified.

²Navy and Coast Guard personnel aboard ships homeported in Hawaii, regardless of location on date specified.

³Air Force, Marine Corps and Navy as of March 31; Army, May 31; Coast Guard, January 1.

⁴As of April 1.

Source: Hawaii State Department of Planning and Economic Development, *Military Personnel and Dependents in Hawaii* (semi-annual or annual report).

Table 146.—DEFENSE EXPENDITURES, BY CATEGORY AND SERVICE: 1975
(In thousands of dollars. For earlier years, see table 166)

Expenditure category	All services	Air Force	Army	Navy and Marines	Coast Guard
All categories	982,779	118,612	378,340	469,541	16,286
Military payroll	396,413	46,701	178,887	158,792	12,033
Civilian payroll	281,955	25,109	73,366	180,984	2,496
Supplies, equipment, services	304,411	46,802	126,087	129,765	1,757

Source: Quarterly reports of armed forces.

Table 147.—MILITARY AND CIVIL FUNCTION PRIME CONTRACT AWARDS: 1962 TO 1975
(In thousands of dollars)

Fiscal year	Military prime contract awards	Civil function prime contract awards
1962	31,875	(NA)
1963	45,206	466
1964	52,112	1,916
1965	72,213	1,608
1966	64,170	1,439
1967	65,445	244
1968	95,623	711
1969	114,608	4,338
1970	109,034	1,540
1971	122,161	883
1972	95,847	1,922
1973	155,393	738
1974	183,447	2,558
1975	298,601	2,862

NA Not available.

Source: *Selected DOD Data Related to State of Hawaii Survey of Economic Impact of Military Activities Within Its Boundaries* (unpublished compilation for Rep. Spark Matsunaga, 1974); U.S. Department of Defense, Directorate for Information Operations, *Prime Contract Awards by State for fiscal years 1974 and 1975*.

Table 148.—MILITARY REAL PROPERTY CONTROLLED IN HAWAII: 1960 TO 1972

Subject	June 30, 1960: total	June 30, 1970: total	June 30, 1972			
			Total	Army	Navy	Air Force
Cost to U.S. govt. ¹	855,122	1,047,218	1,101,877	248,070	680,842	172,965
Acreage controlled	252,647	226,539	222,900	152,591	63,652	6,657
Owned ²	34,968	175,225	174,931	106,591	62,427	5,913
Public land ²	166,880	—	—	—	—	—
Temporary use	30,037	12,721	11,888	11,450	88	350
Easements	675	1,639	1,444	573	675	196
Leased	20,087	36,954	34,637	33,977	462	198

¹Land and improvements, in thousands of dollars.

²“Some lands previously recorded as public land within the United States were reclassified [in 1966] in connection with certain statehood agreements pertaining to the State of Hawaii.”

Source: U.S. House of Representatives, Committee on Government Operations, Ninety-Third Congress, First Session, *Federal Real and Personal Property Inventory Report* (biennial report).

Table 149.—MISCELLANEOUS STATISTICS ON THE ARMED FORCES: 1972 TO 1975

Subject	1972	1973	1974	1975
Hawaii residents on active duty, June 30	11,600	10,200	10,810	10,640
National Guard strength, June 30	4,803	4,822	4,859	5,062
Hawaii Air National Guard	1,574	1,539	1,493	1,554
Hawaii Army National Guard	3,229	3,283	3,366	3,508
Veterans in civil life, June 30 ¹	91,000	92,000	93,000	93,000
War veterans	(NA)	79,000	80,000	81,000
Vietnam era	(NA)	29,000	31,000	31,000
Korean conflict	(NA)	21,000	20,000	21,000
World War II	(NA)	33,000	32,000	33,000
World I	(NA)	2,000	2,000	2,000
Service Feb. 1955—Aug. 1964 only	(NA)	13,000	13,000	12,000
Military personnel receiving retired or retainer pay				
as of June 30, all services	5,891	6,403	6,895	7,205
Annual rate (\$1,000)	28,644	34,285	42,006	51,041
Civilian employment, annual average	21,190	20,590	20,200	19,700
Air Force	3,380	3,300	3,280	3,300
Army	5,990	6,050	5,720	5,300
Navy	11,820	11,250	11,210	11,100
Federally-connected pupils in public schools, Fall	47,928	45,144	42,933	45,488
Housing units operated by the armed forces, July 1	14,875	15,344	16,570	16,301
Owned by the armed forces	14,031	14,507	15,860	15,814
Leased from private owners	844	837	710	487

NA Not available.

¹ Figure for 1972 is revised.

Source: Office of the Assistant Secretary of Defense, records; Hawaii State Department of Defense, *Annual Report* (annual); Administrator of Veterans Affairs, *Annual Report* (annual); *Veteran Population* (semi-annual), and records; Hawaii State Department of Labor and Industrial Relations, releases; Hawaii State Department of Education, *Report on Federally Connected Pupils, Hawaii Public Schools* (annual); Hawaii State Census Statistical Areas Committee, *The Geographic Distribution of Government Housing in Hawaii* (annual).

SECTION 11

LABOR FORCE, EMPLOYMENT, AND EARNINGS

This section presents statistics on the size and composition of the labor force, employment by age, sex, occupation, and industry, and wage rates, payrolls, hours, turnover, safety, and unionization of workers.

The number of employed persons (including armed forces) almost doubled between 1940 and 1970, reaching 338,000 in the latter year. Agricultural employment fell from 55,000 to 13,000 during this period, while nonagricultural workers (excluding armed forces) rose from 99,000 to 275,000. Civilian employment averaged 293,000 in 1970 and 331,000 five years later, an increase of 15 percent. The unemployment rate averaged 7.2 percent in 1975, with county levels ranging from 6.8 to 9.3 percent. The labor force contains above-average proportions of younger persons and women: the 1970 Census reported that 49 percent of all females 16 years of age or more were either employed or seeking work, a proportion higher than that of any other State and second only to the District of Columbia. By occupation, one out of six civilian workers is classified as professional or technical. Activities with especially large numbers of employees include government (82,000 in 1975, less than 40 percent of them in federal jobs), services (72,000), retail trade (68,000), construction (28,000), and manufacturing (24,000). Wage and salary levels are high: the average annual earnings of private wage and salary workers under the Hawaii Employment Security Law reached \$8,439 in 1974 (twice the 1961 average), and in some categories exceeded \$13,000. Average weekly hours ranged from 29.9 (for hotels) to 42.4 (for communications and utilities). Labor union membership was estimated at 129,000 in 1974. Work stoppages in 1974 numbered 24, and involved 17,900 workers.

Principal sources for these data are the decennial reports of the U.S. Bureau of the Census, various studies by the U.S. Bureau of Labor Statistics, monthly and annual tabulations by the Hawaii State Department of Labor and Industrial Relations, annual surveys by the Hawaii Employers Council, and occasional sample surveys by public and private agencies. Statistics for the nation as a whole are published in Section 12 of the *Statistical Abstract of the United States: 1975*.

Table 150.—EMPLOYMENT STATUS: ANNUAL AVERAGES, 1958 TO 1976

Definition and year	Civilian labor force	Civilian employment	Workers in labor disputes	Unemployment	
				Number	Percent
OLD DEFINITION¹					
1958	211,540	201,370	3,090	7,080	3.4
1959	222,980	216,140	—	6,840	3.1
1960	235,140	228,050	—	7,090	3.0
1961	242,850	232,910	—	9,940	4.1
1962	246,180	234,420	160	11,600	4.7
1963	250,880	238,630	230	12,020	4.8
1964	257,630	247,560	20	10,050	3.9
1965	269,020	259,680	90	9,250	3.4
1966	281,880	272,730	30	9,120	3.2
1967	293,400	282,940	260	10,200	3.5
1968	306,780	297,030	870	8,880	2.9
1969	326,700	317,130	750	8,820	2.7
1970	350,030	337,050	520	12,460	3.6
NEW DEFINITION²					
1970	311,150	297,110	(³)	14,040	4.5
1971	325,320	304,680	(³)	20,640	6.3
1972	338,670	313,950	(³)	24,710	7.3
1973	351,670	327,590	(³)	24,080	6.8
1974	359,070	331,930	(³)	27,140	7.6
1975	356,440	330,760	(³)	25,680	7.2
1976, March	363,900	331,300	(³)	32,600	9.0

¹Civilian employment refers to jobs rather than persons; a person holding two jobs is accordingly counted twice.

²Based on persons rather than jobs.

³Included in number of employed persons.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Estimates* (monthly and annual, 1958 to 1969), and records.

Table 151.—EMPLOYMENT STATUS, BY COUNTY AND ISLAND: ANNUAL AVERAGES, 1970 TO 1975

Subject	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County		
					County total	Maui	Molokai and Lanai
Civilian labor force:							
1970	311,150	250,570	27,400	13,200	19,980	16,660	3,320
1971	325,330	261,670	29,190	13,720	20,750	17,510	3,240
1972	338,670	272,840	29,920	14,040	21,870	18,660	3,210
1973	351,670	283,650	31,000	14,270	22,750	19,630	3,120
1974	359,070	290,030	31,870	14,230	22,940	20,040	2,900
1975	356,440	286,460	32,030	14,580	23,370	20,560	2,810
Civilian employment:							
1970	297,110	239,530	26,310	12,570	18,700	15,590	3,110
1971	304,680	245,300	27,350	12,930	19,100	16,230	2,870
1972	313,950	253,460	27,850	13,010	19,630	17,000	2,630
1973	327,590	265,130	28,590	13,230	20,640	18,070	2,570
1974	331,930	269,110	28,960	13,080	20,780	18,380	2,400
1975	330,760	266,900	29,280	13,390	21,190	18,910	2,280
Unemployment:							
1970	14,040	11,040	1,100	630	1,270	1,060	210
1971	20,640	16,370	1,840	790	1,640	1,280	360
1972	24,710	19,380	2,070	1,030	2,230	1,650	580
1973	24,080	18,520	2,410	1,040	2,110	1,550	560
1974	27,140	20,920	2,910	1,150	2,160	1,660	500
1975	25,680	19,560	2,750	1,190	2,180	1,650	530
Percent unemployed:							
1970	4.5	4.4	4.0	4.8	6.4	6.4	6.3
1971	6.3	6.3	6.3	5.7	7.9	7.3	11.0
1972	7.3	7.1	6.9	7.4	10.2	8.9	18.0
1973	6.8	6.5	7.8	7.3	9.3	7.9	17.8
1974	7.6	7.2	9.1	8.1	9.4	8.3	17.3
1975	7.2	6.8	8.6	8.2	9.3	8.0	18.7

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

Table 152.—LABOR FORCE CHARACTERISTICS: 1970

Subject	State total	Sex		Island	
		Male	Female	Oahu	Other
EMPLOYMENT STATUS					
Persons 16 years old and over	522,018	272,726	249,292	427,601	94,417
Labor force	344,269	222,221	122,048	286,706	57,563
Armed Forces	49,785	48,860	925	49,368	417
Civilian labor force	294,484	173,361	121,123	237,338	57,146
Employed	285,556	168,940	116,616	230,252	55,304
Unemployed	8,928	4,421	4,507	7,086	1,842
Not in labor force	177,749	50,505	127,244	140,895	36,854
OCCUPATION					
Employed, 16 years old and over	285,556	168,940	116,616	230,252	55,304
Professional, technical, and kindred	45,544	25,566	19,978	39,366	6,178
Managers and administrators, exc. farm	25,457	19,718	5,739	21,533	3,924
Sales workers	19,393	8,723	10,670	16,474	2,919
Clerical and kindred workers	52,157	13,207	38,950	44,880	7,277
Craftsmen, foremen, and kindred	43,920	41,907	2,013	35,349	8,571
Operatives, except transport	21,346	12,384	8,962	16,905	4,441
Transport equipment operatives	10,079	9,654	425	7,412	2,667
Laborers, except farm	14,314	13,277	1,037	10,843	3,471
Farmers and farm managers	1,694	1,228	466	627	1,067
Farm laborers and farm foremen	7,574	6,136	1,438	2,352	5,222
Service workers, exc. private household	41,981	17,067	24,914	33,037	8,944
Private household workers	2,097	73	2,024	1,474	623
INDUSTRY					
Agriculture, forestry, fisheries	13,166	10,830	2,336	4,642	8,524
Mining	328	297	31	279	49
Construction	26,638	24,946	1,692	21,811	4,827
Manufacturing	31,159	21,973	9,186	23,613	7,546
Food and kindred products	13,179	9,734	1,692	7,338	5,841
Other manufacturing	17,980	12,239	5,741	16,275	1,705
Trans., communications, utilities	24,331	18,765	5,566	20,340	3,991
Wholesale trade	11,303	7,813	3,490	9,647	1,656
Retail trade	49,730	21,443	28,287	41,554	8,176
Finance, insurance, real estate	14,340	6,793	7,547	12,849	1,491
Business and repair services	8,547	5,837	2,710	7,397	1,150
Personal services	20,591	7,390	13,201	14,425	6,166
Entertainment and recreation services	3,754	2,104	1,650	3,165	589
Professional and related services	49,175	17,382	31,793	41,606	7,569
Public administration	32,494	23,367	9,127	28,924	3,570
CLASS OF WORKER					
Private wage and salary workers	200,912	118,527	82,385	158,958	41,954
Federal government workers	31,391	22,044	9,347	30,005	1,386
State government workers	28,699	11,596	17,103	23,369	5,330
Local government workers	10,457	7,746	2,711	7,452	3,005
Self-employed workers	12,832	8,798	4,034	9,577	3,255
Unpaid family workers	1,265	229	1,036	891	374

Source: U.S. Census of Population: 1970, Final Report PC(1)-C13, tables 53-56 and 75-78.

Table 153.—LABOR FORCE CHARACTERISTICS, BY COUNTY: 1970

Counties	Nonworker-worker ratio	Percent in labor force					Civilian labor force—Percent unemployed	Employed persons			Persons who worked in 1969—Percent worked 50 to 52 weeks
		Female, 16 years and over	Married women, husband present		Male			Percent in manufacturing industries	Percent in white-collar occupations	Percent government workers	
			Total	With own children under 6 years	18 to 24 years	65 years and over					
The State	1.22	49.0	48.1	37.8	83.9	22.0	3.0	10.9	49.9	24.7	67.0
Hawaii	1.42	45.5	48.8	43.2	72.9	20.9	2.7	15.0	38.2	18.6	65.2
Honolulu	1.18	49.4	47.8	36.6	85.0	23.9	3.0	10.3	53.1	26.4	67.7
Kauai	1.34	49.1	49.6	43.8	76.7	18.7	3.7	11.0	35.5	16.3	66.6
Mauı	1.42	47.5	49.8	44.8	73.4	13.4	3.6	13.5	35.5	17.1	59.8

Source: *U.S. Census of Population: 1970, Final Report PC(1)-C13, table 44.*

**Table 154.—EMPLOYMENT, BY CLASS OF WORKER AND INDUSTRY: ANNUAL AVERAGES,
1974 AND 1975**

(Data refer to jobs rather than persons—workers holding more than one job are counted more than once—and thus are not comparable to estimates in tables 150 and 151.)

Industry and class of worker	State totals		Counties or islands: 1975			
	1974	1975	Oahu	Hawaii County	Kauai County	Maui County
Nonagricultural, wage or salary	333,010	339,120	286,350	23,900	10,870	18,000
Construction	28,030	28,180	24,160	1,430	770	1,820
Manufacturing	22,790	23,920	17,380	3,060	1,350	2,130
Durable goods	4,620	4,810	4,250	220	30	310
Food processing	10,190	11,300	6,180	2,300	1,180	1,640
Sugar	3,680	4,450	870	1,610	1,120	(D)
Pineapple	(D)	(D)	(D)	—	—	(D)
Other food proc.	(D)	(D)	(D)	690	60	(D)
Other nondurable goods	7,980	7,810	6,950	540	140	180
Transp., comm., utilities	25,390	25,360	21,380	1,580	1,170	1,230
Trades	82,730	84,410	71,970	6,000	2,370	4,070
Wholesale	16,370	16,260	14,170	1,380	220	490
Retail	66,360	68,150	57,800	4,620	2,150	3,580
Finance, insur., real estate	23,060	23,290	21,090	820	390	990
Services and misc.	72,120	71,980	59,560	5,670	2,460	4,290
Hotels	19,190	19,030	12,280	3,300	1,150	2,300
Other services, misc.	52,930	52,950	47,280	2,370	1,310	1,990
Government	78,890	81,980	70,810	5,340	2,360	3,470
Federal	31,010	30,530	29,680	390	250	210
Air Force	3,280	3,300	3,210	—	90	—
Army	5,720	5,290	5,240	40	—	10
Navy	11,210	11,080	11,030	—	50	—
Other federal	10,810	10,860	10,200	350	110	200
State	35,930	38,700	31,700	3,350	1,360	2,290
Local	11,940	12,750	9,430	1,600	750	970
Agricultural, wage or salary	9,310	10,020	2,470	2,880	1,490	3,180
Sugar	4,440	5,190	800	1,680	1,350	1,360
Pineapple	(D)	(D)	(D)	—	—	(D)
Other agricultural	(D)	(D)	(D)	1,200	140	(D)
Self-employed and other ¹	26,150	26,560	18,210	4,600	1,330	2,420
Labor disputes	2,180	180	170	—	—	10

(D) Figure withheld to avoid disclosure.

¹Includes unpaid family workers and domestics.

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

**Table 155.—NON-GOVERNMENTAL EMPLOYMENT AND PAYROLLS COVERED BY
THE HAWAII EMPLOYMENT SECURITY LAW: 1958 TO 1974**
(Excludes governmental, self-employed, and unpaid family workers, agricultural workers insured under the self-financed program, and certain other groups.)

Year	Total covered private employment			Non-agricultural private employment		
	Total covered employment	Total wages (\$1,000)	Average annual wages (\$)	Covered employment	Total wages (\$1,000)	Average annual wages (\$)
1958	114,225	410,926	3,598	113,645	409,061	3,599
1959	135,163	517,208	3,827	125,002	468,105	3,745
1960	149,520	604,184	4,041	135,061	552,217	4,089
1961	149,052	627,414	4,209	139,758	593,547	4,247
1962	144,506	628,177	4,347	131,453	575,698	4,379
1963	146,364	657,350	4,491	133,473	601,996	4,510
1964	152,034	721,424	4,745	139,153	663,852	4,771
1965	160,715	796,161	4,954	148,057	736,969	4,978
1966	169,206	881,783	5,211	157,557	821,269	5,213
1967	175,202	948,425	5,413	163,041	885,410	5,431
1968	185,551	1,088,657	5,867	174,144	1,026,294	5,893
1969	205,053	1,311,655	6,397	193,817	1,246,449	6,431
1970	221,457	1,518,727	6,858	217,422	1,495,653	6,879
1971	225,562	1,588,451	7,042	221,646	1,565,091	7,061
1972	231,264	1,707,639	7,384	227,370	1,683,568	7,405
1973	246,441	1,936,169	7,857	241,540	1,902,329	7,876
1974	252,327	2,129,359	8,439	252,078	2,127,299	8,439

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

Table 156.—EMPLOYMENT AND PAYROLLS COVERED BY HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, BY INDUSTRY AND COUNTY: 1974

County and industry	Number of employers, December	Average employment	Total wages (dollars)	Average annual wage (dollars)
All counties (excluding government) . . .	15,908	263,721	2,231,577,738	8,462
City and County of Honolulu	12,596	216,229	1,866,015,001	8,630
Hawaii County	1,546	20,609	160,504,538	7,788
Kauai County	618	9,669	74,209,514	7,676
Maui County	1,148	17,214	130,848,685	7,601
All industries (including government) . .	15,914	342,683	3,114,072,709	9,087
Agriculture, forestry, fisheries ¹	270	9,856	86,002,923	8,726
Sugar	17	5,078	51,117,777	10,067
Pineapple	6	2,307	16,989,261	7,364
Other	247	2,471	17,895,885	7,242
Mining and contract construction . . .	1,598	27,915	366,450,292	13,127
Manufacturing	715	23,989	221,013,253	9,213
Pineapple canning	3	2,533	17,601,381	6,949
Sugar mill	19	4,032	46,357,129	11,497
Other food processing	174	4,522	37,075,252	8,199
Other manufacturing	519	12,902	119,979,491	9,299
Transportation	584	17,123	187,230,830	10,934
Communications	59	6,167	74,668,943	12,107
Utilities	29	2,567	35,881,745	13,978
Wholesale trade	1,409	16,558	170,305,043	10,285
Retail trade	3,737	65,748	372,382,676	5,664
Finance, insurance, real estate	2,099	22,614	208,863,958	9,236
Services	5,380	71,136	508,405,465	7,147
Nonclassifiable establishments	28	48	372,610	7,763
Government	6	78,962	882,494,971	11,176
Federal	1	31,012	399,318,826	12,876
State	1	36,005	360,996,153	10,026
County	4	11,945	122,179,992	10,229

¹Includes workers insured under the self-financed program.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii, 1974* (October 1975).

Table 157.—HOURS AND EARNINGS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGES, 1965 TO 1975

Industry	Ave. weekly earnings (dollars)			Average weekly hours			Ave. hourly earnings (dollars)		
	1965	1974	1975	1965	1974	1975	1965	1974	1975
Contract construction	137.11	274.78	296.00	35.8	37.9	37.9	3.83	7.25	7.81
Manufacturing	89.60	167.45	181.10	39.3	39.4	39.2	2.28	4.25	4.62
Food and kindred products	84.02	157.87	172.00	38.9	40.9	40.0	2.16	3.86	4.30
Communication and utilities	141.53	227.98	262.88	42.5	41.3	42.4	3.33	5.52	6.20
Trade ¹	73.64	118.90	128.51	34.9	33.4	32.7	2.11	3.56	3.93
Wholesale trade	93.27	161.24	176.01	38.7	38.3	36.9	2.41	4.21	4.77
Retail trade ¹	64.02	103.96	112.37	33.0	31.6	31.3	1.94	3.29	3.59
Finance	95.30	128.20	148.13	...	...	...	...	...	...
Hotels	67.37	95.99	104.65	34.2	29.0	29.9	1.97	3.31	3.50
Laundries	52.98	89.11	96.17	35.8	35.5	35.1	1.48	2.51	2.74

¹Excludes eating and drinking establishments.

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

Table 158.—AVERAGE PAY RATES FOR SELECTED JOB CLASSIFICATIONS: 1970 AND 1975

(In dollars)

Job classification	Total employment ¹		Private employment, by island: 1975				
	1970	1975	State average	Kauai	Oahu	Maui	Hawaii
MONTHLY RATES							
Junior typist	380	541	528	...	526	...	588
Clerk-stenographer	507	671	657	...	647	800	647
Secretary	551	760	729	739	728	738	734
Accountant (entry level) .....	...	860	860	...	863	...	...
Drafting technician	524	779	817	...	...	...	...
Civil engineer (entry level)	879	899	...	...	...	...	...
Hospital attendant	380	532	525	510	529	495	...
Staff nurse	704	943	895	809	898	914	...
HOURLY RATES							
Housekeeper .....	...	3.16	3.16	3.01	3.18	2.95	3.02
Cook, general	3.36	4.74	4.76	4.78	4.75	4.82	4.77
Waiter/waitress	1.75	2.30	2.30	2.16	2.34	2.20	2.17
Laborer (light)	2.48	3.44	3.38	3.54	3.42	3.32	3.48
Carpenter (maintenance)	3.96	5.84	5.30	5.23	5.52	4.93	4.90
Electrician (maintenance)	4.53	7.02	5.75	5.27	6.04	5.16	5.38
Automotive mechanic	3.89	5.68	5.55	5.10	5.94	5.10	5.21
Truck driver (1½-5 tons)	3.27	4.94	4.66	3.92	4.99	3.98	4.05

¹Statewide average for both private and government employment.

Source: Hawaii Employers Council, *Pay Rates in Hawaii* (annual).

Table 159.—LABOR TURNOVER RATES FOR MANUFACTURING (EXCEPT PINEAPPLE CANNING): 1961 TO 1975

Year	Annual accession rates ¹		Annual separation rates ²		
	Total	New hires	Total	Quits	Layoffs
1961	2.5	2.0	2.7	1.4	0.8
1962	2.9	1.6	3.3	1.1	1.4
1963	3.0	1.8	3.2	1.1	1.1
1964	3.5	2.2	3.3	1.3	0.8
1965	3.1	2.2	2.9	1.3	0.5
1966	2.8	2.0	2.9	1.5	0.4
1967	2.7	1.9	2.7	1.2	0.5
1968	3.4	2.4	3.0	1.5	0.4
1969	3.5	2.9	3.1	1.9	0.2
1970	2.8	2.1	3.2	1.6	0.7
1971	2.2	1.5	2.3	1.1	0.5
1972	2.2	1.8	2.4	1.2	0.3
1973	2.6	2.2	2.5	1.4	0.3
1974	2.3	1.8	2.3	1.2	0.5
1975	2.1	1.5	2.2	1.0	0.6

¹Number of additions per 100 employees.

²Number of terminations per 100 employees.

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

**Table 160.—INTERSTATE MOVEMENT OF JOB-SEEKERS:
1970 TO 1975**

Year	Island workers on the Mainland ¹	Mainland workers in Hawaii ²	Ratio ³
1970	5,078	6,062	119
1971 ⁴	6,215	6,908	111
1972 ⁴	6,124	5,994	98
1973	5,255	6,116	116
1974	5,924	6,988	118
1975	7,607	8,637	114

¹Interstate liable initial claims (UI & Supp.), excluding UCFE & Supp. and UCX. Covers Hawaii workers seeking work and filing for benefits on the Mainland.

²Interstate agent initial claims (UI & Supp.), excluding UCFE & Supp. and UCX. Covers Mainland workers filing claims for unemployment insurance and registered for work with the Hawaii State Employment Service.

³Interstate agent initial claims as a percent of interstate liable initial claims. Ratios under 100 suggest a net out-migration of workers.

⁴Excludes extended claims, authorized for the period from October 1971 to December 1972. Including extended (as well as regular) claims, interstate liable claims numbered 6,386 in 1971 and 7,255 in 1972; interstate agent claims, 6,950 in 1971 and 6,368 in 1972.

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

Table 161.—CHILD LABOR CERTIFICATES ISSUED: 1975

Age	Both sexes	Male	Female
18 years old and under	14,663	8,265	6,398
13 years old and under	293	97	196
14 and 15 years old	2,465	1,537	928
16 to 18 years old	11,905	6,631	5,274

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

Table 162.—INDUSTRIAL ACCIDENTS, DEATHS, AND INSURANCE PAYMENTS: 1958 TO 1975

Year	Accidents		Deaths		Insurance payments (\$1,000)
	Number	Rate ¹	Number	Rate ²	
1958	22,020	72.66	12	2.0	986
1959	25,017	75.77	16	2.6	2,888
1960	28,622	81.45	24	3.7	4,992
1961	29,138	80.97	18	2.7	4,958
1962	27,366	75.89	16	2.3	(NA)
1963	27,160	73.64	23	3.4	5,654
1964	26,624	69.28	25	3.6	5,237
1965	29,436	72.75	21	3.0	5,977
1966	30,473	71.52	30	4.2	5,665
1967	29,491	66.87	27	3.7	11,396
1968	32,056	68.91	38	5.2	10,279
1969	35,790	70.86	32	4.3	7,418
1970	37,405	68.56	40	5.2	12,528
1971	34,561	61.62	21	2.6	16,665
1972	34,901	59.93	45	5.5	18,773
1973	36,277	59.06	61	7.3	19,548
1974	37,646	60.47	72	8.5	18,341
1975	40,457	(NA)	59	(NA)	22,503

NA Not available.

¹Accidental injuries per 1,000,000 estimated non-federal wage and salary employee hours.

²Accidental deaths per 100,000 total resident population.

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

Table 163.—MEMBERSHIP IN LABOR UNIONS AND EMPLOYEE ASSOCIATIONS: 1964 TO 1974

Year	Total unions and associations	Labor unions				Professional and state employee associations
		Total	Affiliated with AFL-CIO	Unaffiliated		
				National	Local unions	
1964	(NA)	49,000	24,000	24,000	(NA)	(NA)
1966	(NA)	62,000	31,000	25,000	7,000	(NA)
1968	77,000	70,000	36,000	27,000	7,000	7,000
1970	89,000	82,000	45,000	30,000	7,000	8,000
1972	123,000	115,000	78,000	30,000	7,000	9,000
1974	129,000	121,000	84,000	29,000	7,000	8,000

NA Not available.

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Directory of National and International Labor Unions in the United States, 1969* (Bulletin 1665) and *Directory of National Unions and Employee Associations* (Bulletin 1750), and records; *Statistical Abstract of the United States* (annual).

Table 164.—MEMBERSHIP IN LABOR UNIONS, BY COUNTY: 1973

County	All workers ¹	Organized					Not organized
		Total	AFL-CIO	Teamsters	ILWU	Others	
TOTAL EMPLOYMENT							
State total	325,100	130,700	89,100	5,900	23,600	12,100	194,400
City & Co. of Honolulu	267,000	97,200	73,500	5,700	8,500	9,500	169,800
Hawaii County	26,700	14,000	6,900	100	5,800	1,200	12,700
Maui County	19,400	12,550	5,400	50	6,200	900	6,800
Kauai County	12,000	6,940	3,300	40	3,100	500	5,100
PRIVATE EMPLOYMENT							
State total	249,100	90,400	60,100	5,900	23,600	800	158,700
City & Co. of Honolulu	201,000	65,500	50,600	5,700	8,500	700	135,500
Hawaii County	22,000	10,020	4,100	100	5,800	20	12,000
Maui County	16,300	9,780	3,500	50	6,200	30	6,500
Kauai County	9,800	5,060	1,900	40	3,100	20	4,700

¹As of October 1973. Excludes self-employed, domestics, and unpaid family workers.

Source: Hawaii Employers Council, *Estimated Union Membership in Hawaii* (Research Report No. 1211, January 1974).

Table 165.—WORK STOPPAGES: 1960 TO 1974

Year	Number of stoppages begun in year	Workers involved ¹	Man-days idle during year	Percent of estimated non-agricultural working time
1960	32	5,000	16,000	(NA)
1961	33	22,000	47,000	(NA)
1962	34	4,000	71,000	0.19
1963	27	23,000	176,000	0.47
1964	26	3,000	8,000	0.02
1965	24	8,000	45,000	0.11
1966	28	5,000	44,000	0.10
1967	40	11,000	87,000	0.20
1968	14	8,000	252,000	0.32
1969	26	18,000	205,000	0.03
1970	22	6,800	152,700	0.26
1971	21	3,700	32,200	0.05
1972	21	9,300	73,700	0.12
1973	11	9,600	97,100	0.12
1974	24	17,900	462,700	0.55
ISLANDS: 1974				
Oahu	20	8,000	200,300	(NA)
Other	4	9,900	262,400	(NA)

NA Not available.

¹Workers counted more than once if involved in more than one stoppage during year.

Source: U.S. Bureau of Labor Statistics data summarized in *Statistical Abstract of the United States* (annual); U.S. Bureau of Labor Statistics, *Work Stoppages* . . . (annual reports), and records.

INCOME, EXPENDITURES, AND WEALTH

This section presents statistics on two different aspects of income and expenditures, one relating to the State income and product system and the other to the distribution of income to families and individuals. Specifically, information is given on gross state product, personal income, family income, poverty, personal wealth, and family expenditures. Data on workers' earnings and payrolls appear in Section 11; on taxable income, in Section 8.

Gross state product in 1975 amounted to approximately \$6.6 billion, or about twice the 1968 total. The major sources of income to Hawaii in 1975 were defense expenditures (\$983 million), pineapple production (\$137 million), sugar production (\$366 million), and visitor expenditures (\$1.3 billion). Personal income in 1974 was \$5.5 billion, compared with \$2.0 billion only ten years earlier, and per capita personal income was \$6,426, more than twice the 1965 level. The median annual income of families, based on data for a three-year period ended December 31, 1974, was \$9,100 for families headed by a member of the armed forces \$12,800 for civilian families, and \$12,200 for all families combined. Top wealthholders in Hawaii—those with gross assets of \$60,000 or more—numbered 11,323 in 1962 and 53,700 in 1972. Total assets of this group in the latter year amounted to \$7.9 billion, 40 percent of which was in real estate. The most recent family expenditure survey, taken in 1961, reported that the largest items in the family budget on Oahu were food and beverages (accounting for 28.3 percent of spending for current consumption) and housing (25.6 percent); an updated survey is scheduled for release in the near future.

The chief sources of data shown in this section are the U.S. Bureau of Economic Analysis, U.S. Bureau of the Census, U.S. Bureau of Labor Statistics, Community Services Administration, Hawaii State Department of Health, University of Hawaii Economic Research Center, Bank of Hawaii and First Hawaiian Bank. Comparable data for the country as a whole are given in *Statistical Abstract of the United States: 1975*, Section 13.

Table 166.—DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES: 1958 TO 1975

(In millions of dollars.)

Year	Total for four major industries	Value of sales		Defense expenditures	Visitor expenditures ¹
		Raw sugar and molasses	Fresh and processed pineapple		
1958	613	98.0	130.1	301.7	83
1959	676	122.9	128.3	316.0	109
1960	720	118.4	119.4	351.4	131
1961	771	136.5	117.5	379.9	137
1962	766	149.3	115.0	348.0	154
1963	839	181.7	123.7	347.5	186
1964	879	154.6	126.9	392.6	205
1965	948	165.7	126.7	430.2	225
1966	1,076	179.6	127.7	488.4	280
1967	1,255	180.3	133.3	561.4	380
1968	1,331	189.1	127.5	574.6	440
1969	1,480	179.0	125.4	625.9	550
1970	1,561	187.8	138.6	639.4	595
1971	1,758	202.9	141.4	708.8	705
1972	1,914	184.7	145.4	744.2	840
1973	2,226	222.2	142.4	840.9	1,020
1974	2,927	676.6	127.1	897.9	1,225
1975	2,755	365.8	136.7	982.8	1,270

NA Not available.

¹Direct visitor expenditures in Hawaii, exclusive of transpacific transportation and expenditures of carriers and crews. Data for 1969-1973 are revisions.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (annual) and records; First Hawaiian Bank, Research and Planning Division, records; data supplied to DPED by armed forces; Hawaii Visitors Bureau, *1975 Annual Research Report*, p. 1, and records.

Table 167.—GROSS STATE PRODUCT: 1958 TO 1975
(In millions of dollars)

Year	Charges against gross state product ¹	Charges against gross domestic state product ²
1958	1,403.2	1,424.8
1959	1,584.9	1,609.5
1960	1,814.4	1,825.2
1961	1,903.8	1,917.8
1962	1,990.1	2,007.7
1963	2,075.4	2,098.4
1964	2,274.0	2,301.9
1965	2,423.9	2,450.2
1966	2,691.9	2,725.6
1967	2,922.1	2,954.5
1968	3,269.6	3,305.1
1969	3,655.9	3,692.5
1970	4,093.5	4,134.4
1971	4,331.1	4,375.1
1972	4,731.8	4,779.1
1973	5,310.3	5,363.4
1974	5,935.8	5,995.2
1975	6,497.2	6,562.2

¹ Equivalent to gross domestic product in the national accounts.

² Equivalent to gross national product in the national accounts.

Source: Yung C. Shang, William H. Albrecht, and Glenn Ifuku, *Hawaii's Income and Expenditure Accounts, 1958-1968* (University of Hawaii, Economic Research Center, July 1970), p. 9; estimates for 1969 and later years by the Research and Economic Analysis Division, Hawaii State Department of Planning and Economic Development.

Table 168.—PERSONAL INCOME, TOTAL AND PER CAPITA: 1958 TO 1975

Year	Total personal income (millions of dollars)	Disposable personal income ¹ (millions of dollars)	Per capita personal income (dollars)	
			Total	Disposable
1958	1,180	(NA)	1,983	(NA)
1959	1,316	(NA)	2,157	(NA)
1960	1,478	1,250	2,368	2,004
1961	1,595	1,347	2,481	2,095
1962	1,677	1,432	2,568	2,192
1963	1,769	1,517	2,637	2,261
1964	1,906	1,656	2,811	2,442
1965	2,028	1,762	2,906	2,524
1966	2,225	1,902	3,192	2,729
1967	2,440	2,080	3,447	2,938
1968	2,729	2,292	3,796	3,188
1969	3,087	2,543	4,155	3,423
1970	3,523	2,912	4,623	3,822
1971	3,773	3,165	4,818	4,042
1972	4,124	3,393	5,123	4,215
1973	4,617	3,792	5,570	4,574
1974	5,069	4,138	6,010	4,931
1975	5,674	4,550	6,658	5,341

NA Not available.

¹ Personal income less personal tax and nontax payments to all governments.

Source: U.S. Department of Commerce, tables supplied Sept. 1975, and *Survey of Current Business*,

Table 169.—PERSONAL INCOME BY MAJOR SOURCES: 1973 TO 1975
(In millions of dollars)

Item	1973	1974	1975
Income by place of work			
Total labor and proprietors income	3,749	4,095	4,343
By type			
Wage and salary disbursements	3,350	3,668	3,875
Other labor income	148	164	189
Proprietors income	252	264	278
Farm	34	34	34
Nonfarm	218	230	244
By industry			
Farm	120	107	105
Nonfarm	3,629	3,988	4,238
Private	2,380	2,614	2,857
Manufacturing	224	248	271
Contract construction	389	419	428
Wholesale and retail trade	574	627	675
Finance, insurance, and real estate	217	248	272
Transportation, communications, public utilities	317	343	373
Services	645	713	714
Other industries	15	17	18
Government	1,249	1,374	1,486
Federal, civilian	380	405	411
Federal, military	449	525	558
State and local	420	444	517
Income by place of residence			
Net labor and proprietors income	3,553	3,878	4,113
Dividends, interest, and rent	613	682	742
Transfer payments	426	508	620
Total personal income	4,592	5,067	5,475

Source: U.S. Department of Commerce, *Survey of Current Business*, August 1975, p. 21, and April 1976, pp. 44-45, and unpublished revisions for 1974.

Table 170.—PERSONAL INCOME, TOTAL AND PER CAPITA, BY COUNTIES: 1950 TO 1974

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total:¹					
1950	689.0	532.0	69.0	34.0	54.0
1959	1,316.0	1,081.6	111.4	49.6	73.5
1962 ²	1,677.0	1,389.1	138.0	61.4	88.5
1965	2,028.4	1,698.3	151.6	72.5	105.9
1966	2,224.7	1,862.1	167.1	80.1	115.4
1967	2,440.4	2,050.6	178.9	87.3	123.7
1968	2,729.3	2,311.2	190.2	93.0	134.8
1969	3,087.0	2,629.2	206.2	101.1	150.5
1970	3,522.5	3,003.5	236.2	110.9	172.0
1971	3,772.8	3,195.2	266.4	123.2	187.9
1972	4,123.6	3,504.8	284.9	130.3	203.6
1973	4,592.1	3,903.5	310.8	146.7	231.1
1974	5,066.8	4,320.7	331.2	158.9	256.0
Per capita:²					
1950	1,403	1,534	1,031	1,142	1,131
1959	2,157	2,243	1,881	1,823	1,776
1962	2,568	2,656	2,312	2,187	2,090
1965	2,906	3,016	2,459	2,513	2,388
1966	3,192	3,303	2,756	2,815	2,618
1967	3,447	3,570	2,960	3,050	2,779
1968	3,796	3,956	3,113	3,190	3,034
1969	4,155	4,357	3,268	3,365	3,242
1970	4,624	4,835	3,679	3,705	3,701
1971	4,819	5,025	3,925	3,985	3,894
1972	5,125	5,358	4,152	4,151	4,028
1973	5,548	5,807	4,341	4,569	4,461
1974	6,038	6,321	4,587	5,029	4,933

¹In millions of dollars.

²In dollars.

Source: U.S. Department of Commerce, Office of Business Economics, *Income of Hawaii* (1953), p. 3; U.S. Department of Commerce, Bureau of Economic Analysis, computer printouts.

Table 171.—INCOME OF FAMILIES AND UNRELATED INDIVIDUALS: 1950 TO 1970
(Data refer to income before taxes in calendar year preceding the census)

Subject	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County ¹
NUMBER OF FAMILIES: 1970					
All families	170,729	138,369	14,692	6,949	10,719
Less than \$3,000	11,464	8,751	1,231	512	970
\$3,000 to \$4,999	11,310	8,710	1,149	548	903
\$5,000 to \$9,999	47,697	36,305	5,208	2,439	3,745
\$10,000 to \$14,999	44,688	36,155	3,689	2,091	2,753
\$15,000 to \$24,999	42,265	36,703	2,661	1,124	1,777
\$25,000 to \$49,999	11,786	10,486	606	202	492
\$50,000 or more	1,519	1,259	148	33	79
MEDIAN INCOME OF FAMILIES (\$)					
1970	11,554	12,035	9,750	9,946	9,643
1960	6,366	6,792	4,866	4,976	5,216
1950	3,568	3,788	2,909	2,960	3,026
MEDIAN INCOME OF UNRELATED INDIVIDUALS (\$)					
1970 ²	2,981	3,013	2,541	3,382	2,559
1960	1,998	1,968	1,903	2,387	2,379
1950	1,583	(NA)	(NA)	(NA)	(NA)

NA Not available

¹Data for 1950 and 1970 (but not 1960) include Kalawao County.

²Unrelated individuals numbered 83,093 in 1970: 72,869 in the City and County of Honolulu, 4,543 in Hawaii County, 2,220 in Kauai County, and 3,461 in Maui County.

Source: *U.S. Census of Population: 1950*, Bulletin P-B52, table 27; *U.S. Census of Population: 1960*, Final Report PC(1)-13C, tables 66 and 86; *U.S. Census of Population: 1970*, Final Report PC(1)-C13, tables 57 and 124.

Table 172.—ANNUAL INCOME OF FAMILIES AND UNRELATED INDIVIDUALS: 1972-1974
(Excludes persons in institutions or military barracks, or on Niihau. Based on a sample survey of 14,333 families and 3,565 unrelated individuals.)

Annual income before taxes	Families and unrelated indiv.	Families ¹			Unrelated individuals
		Total	Military	Civilian	
All levels	246,366	196,474	27,352	169,122	49,892
Less than \$5,000	38,821	18,457	1,760	16,697	20,364
\$5,000 to \$9,999	70,843	54,476	14,136	40,340	16,367
\$10,000 to \$14,999	52,231	46,747	6,313	40,434	5,484
\$15,000 to \$24,999	52,016	49,656	3,851	45,805	2,360
\$25,000 or more	17,964	17,215	554	16,661	749
Income not reported	14,491	9,923	738	9,185	4,568
Median income (dollars)	10,601	12,176	9,084	12,836	5,702

¹Includes secondary families.

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation.

**Table 173.—FAMILY INCOME POVERTY GUIDELINES:
MAY 5, 1976**

(In dollars. These family income levels are poverty thresholds used by the Community Services Administration, effective May 5, 1976, to determine eligibility for Federal programs for the poor.)

Family size	Nonfarm family	Farm family
1	3,240	2,780
2	4,270	3,650
3	5,300	4,520
4 ¹	6,330	5,390
5	7,360	6,260
6 ²	8,390	7,130

¹Corresponding levels for four-person families were \$5,500 and \$4,680 on the Mainland and \$6,880 and \$5,850 in Alaska.

²For larger families, add \$1,030 for each additional member in a nonfarm family and \$870 for each additional member in a farm family.

Source: Community Services Administration, "CSA Income Poverty Guidelines (Revised)," CSA Instruction 6004-1i, March 31, 1976, attachment.

Table 174.—TOP WEALTHHOLDERS: 1962 TO 1972

(Top wealthholders are defined as persons with a gross estate of \$60,000 or more. All figures are estimates based on estate tax returns. Money amounts are in millions of dollars.)

Subject	1962	1969	1972
Number of top wealthholders	11,323	36,470	53,700
Total assets	1,908	6,327	7,866
Debts and mortgages ¹			
Number	9,909	29,301	48,200
Amount	231	1,090	1,369
Net worth	1,677	5,236	6,497
Real estate			
Number	10,104	30,133	46,000
Amount	802	2,440	3,179
Bonds			
Number	4,611	13,477	14,000
Amount	66	120	301
Corporate stock			
Number	9,164	25,452	42,000
Amount	697	1,204	1,858
Cash			
Number	10,994	31,062	52,700
Amount	137	695	760
Notes and mortgages			
Number	2,190	11,572	8,500
Amount	30	331	423
Life insurance equity			
Number	8,296	24,123	47,100
Amount	36	86	204
Noncorporate business assets			
Number .....	...	5,599	11,200
Amount .....	...	57	219
Other assets			
Amount	139	...	922

¹"Debts" in 1962.

Source: U.S. Internal Revenue Service, *Statistics of Income—1962, Personal Wealth* (1967), pp. 55-56, *Statistics of Income—1969, Personal Wealth* (1973), pp. 57-58, and *Statistics of Income—1972, Personal Wealth Estimated from Estate Tax Returns* (1976), table 33.

Table 175.—AVERAGE EXPENDITURES, INCOME AND SAVINGS OF URBAN FAMILIES AND SINGLE CONSUMERS, FOR OAHU: 1961

Item	Average per family (dollars)
Expenditures for current consumption	6,746
Food and beverages	1,909
Tobacco	88
Housing, total	1,729
Shelter, fuel, light, refrigeration, and water	1,093
Household operations	383
Housefurnishings and equipment	238
Clothing, materials, services	577
Personal care	207
Medical care	403
Recreation	306
Reading and education	212
Automobile purchase and operation	875
Other transportation	253
Other expenditures	187
Gifts and contributions	458
Personal insurance	545
Money income before taxes	9,217
Money income after taxes	7,950
Other money receipts	169
Net change in assets and liabilities	+472
Account balancing difference	-102

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditures and Income, Honolulu, Hawaii, 1961* (BLS Report No. 237-78, November 1963), p. 2. Based on a sample of 215.

SECTION 13

PRICES

This section presents indexes of consumer prices for Honolulu, average prices for selected foods, and a comparison of Honolulu family budgets with those in other metropolitan areas.

In June 1976, the Honolulu all-items consumer price index stood at 162.3, with the 1967 level equal to 100. The index had increased 5.2 percent in the preceding 12 months, 37.0 percent since June 1971, and 67.7 percent since June 1966. Prices have risen most rapidly since 1967 for restaurant meals (up 93.3 percent), gas and electricity (87.2 percent), and medical care (79.6 percent) and least for public transportation (up 24.0 percent).

A "moderate" or "intermediate" budget for a four-person family living on Oahu was estimated at \$18,694 as of the Autumn of 1975. This family budget was 22 percent higher than the corresponding urban United States average, and was second only to Anchorage among major American metropolitan areas. Hawaii-Mainland differentials were greatest for rents and personal income taxes and least for clothing, social security payments, and automobile transportation. An "intermediate" budget for a retired couple in Honolulu came to \$6,796 in the Autumn of 1974, twelve percent above the U.S. urban average.

The Honolulu consumer price index has been compiled by the United States Bureau of Labor Statistics at three-month intervals since December 1963. This index measures the average change in prices of goods and services purchased by urban wage earner and clerical families and single persons living alone. Prices are expressed as a percent of the average levels reported in 1967, the base date. Current data for Honolulu and other cities are published in the *Monthly Labor Review* and *CPI Detailed Report*, issued monthly by BLS. A similar series for Honolulu was maintained by the Hawaii State Department of Labor and Industrial Relations from March 1943 to December 1963, using March 1943 as the base date.

Comparisons of family budgets between Honolulu and various Mainland communities have most recently been made for the Fall of 1975. These data were compiled and published by the U.S. Bureau of Labor Statistics. Similar comparisons go back a number of years, and include a Honolulu-Los Angeles comparison for 1945, Honolulu-Washington comparisons for 1951 and 1955-1974, and a 40-area comparison for various dates since Autumn 1966. Budget costs for a retired couple have been prepared by BLS for Honolulu and the Mainland as of 1966, 1967, and annually since 1969.

In addition to these data, the Bureau of Labor Statistics publishes monthly and annual data on average prices for a wide variety of foods, and periodic data on a number of non-food items (most recently in *Average Retail Prices of Selected Commodities and Services, Fall 1971*, issued in 1973). Still another useful source is *Prices Paid by Hawaii Farmers: 1970-1974*, issued by the Hawaii State Department of Agriculture in November 1975.

Data on prices and living costs are summarized in *Statistical Abstract of the United States: 1975*, Section 14.

**Table 176.—CONSUMER PRICE INDEX (ALL ITEMS COMBINED), FOR HONOLULU:
 QUARTERLY, 1958 TO 1976
 (1967 average = 100)**

Year	Annual average	March	June	September	December
1958	82.8	82.8	82.0	83.3	83.3
1959	84.2	84.0	83.7	84.5	85.5
1960	86.3	85.8	86.2	86.6	87.3
1961	88.6	87.7	88.6	89.2	89.8
1962	90.6	90.1	90.0	91.2	91.3
1963	92.6	92.9	92.6	92.6	92.8
1964	92.9	93.2	92.4	92.9	93.7
1965	94.6	94.2	94.1	94.7	96.2
1966	97.3	96.6	96.8	97.9	98.8
1967	100.0	98.9	99.7	100.6	101.8
1968	103.8	102.8	103.4	104.6	105.7
1969	108.5	107.2	108.2	109.6	111.0
1970	114.2	113.2	114.4	114.9	115.7
1971	118.9	116.7	118.5	121.2	121.1
1972	122.8	122.4	122.2	123.1	124.4
1973	128.3	126.0	127.5	129.6	132.8
1974	141.9	137.7	141.2	145.5	148.5
1975	155.0	151.9	154.3	157.6	159.8
1976		161.1	162.3		

Source: Hawaii State Department of Labor and Industrial Relations, unpublished revised indexes for 1958-1963; U.S. Bureau of Labor Statistics, *CPI detailed report* (monthly) and records.

**Table 177.—CONSUMER PRICE INDEXES, BY COMMODITY GROUPS, FOR HONOLULU:
ANNUAL AVERAGES, 1965 TO 1975
(1967 = 100)**

Group	1965	1970	1972	1973	1974	1975
All items	94.6	114.2	122.8	128.3	141.9	155.0
Food	94.9	114.1	123.2	135.2	158.7	176.7
Food at home	95.1	111.7	120.5	133.8	159.2	175.8
Cereals and bakery products	93.2	105.9	106.1	117.9	175.5	190.0
Meats, poultry, and fish	94.0	113.4	124.7	146.5	159.0	174.8
Dairy products	92.4	109.8	118.3	127.8	150.6	166.3
Fruits and vegetables	99.0	114.9	130.6	134.7	153.4	168.0
Other foods at home	97.3	111.6	117.3	127.1	157.6	179.9
Food away from home	94.1	121.2	130.8	139.0	156.6	178.7
Housing	92.2	115.7	124.3	128.8	139.0	149.3
Shelter ¹	89.4	120.7	129.6	135.1	142.4	148.5
Rent	95.8	118.1	127.7	133.1	142.9	150.4
Homeownership ²	85.4	122.3	130.9	136.5	142.2	147.3
Fuel and utilities ³	99.1	100.4	110.9	115.1	130.0	157.0
Gas and electricity	100.5	100.7	106.3	112.1	140.0	188.1
Household furnishings and operation ...	97.5	108.2	114.5	117.3	132.1	147.0
Apparel and upkeep ⁴	96.5	115.1	120.5	124.1	133.3	141.2
Men's and boys'	99.0	112.8	113.9	116.7	127.5	135.5
Women's and girls'	94.7	116.8	124.3	126.2	130.7	132.9
Footwear	94.3	112.6	115.3	120.8	132.1	139.2
Transportation	97.4	112.2	123.0	123.9	135.1	146.8
Private	97.3	114.9	124.8	125.5	137.8	150.9
Public	98.0	97.5	112.9	114.9	120.3	123.9
Health and recreation	94.8	113.7	121.2	124.1	134.3	148.8
Medical care	91.3	118.4	127.5	133.3	147.0	164.8
Personal care	97.3	112.2	120.4	122.7	137.2	156.6
Reading and recreation	97.3	111.9	121.8	122.7	134.3	149.0
Other goods and services ⁵	94.1	112.0	113.9	116.5	118.5	126.6

¹Also includes hotel and motel rates not shown separately.

²Includes home purchase, mortgage interest, taxes, insurance and maintenance and repairs.

³Also includes telephone, water, and sewage not shown separately.

⁴Also includes infants' wear, sewing materials, jewelry, and apparel upkeep services not shown separately.

⁵Includes tobacco, alcoholic beverages, and funeral, legal, and bank service charges.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report* (monthly), releases, and records.

Table 178.—AVERAGE RETAIL PRICES OF FOOD, FOR HONOLULU: 1970 TO 1976.
(In cents)

Food and unit	1970, ave.	1971, ave.	1972, ave.	1973, ave.	1974 ave.	1975, ave.	1976, May
Cereals and bakery products:							
Flour, white, all purpose 5 lb.	74.9	75.5	78.5	90.4	126.8	123.7	113.8
Rice, short grain 10 lb.	144.7	142.4	146.9	176.8	351.0	341.0	268.4
Bread, white lb.	29.7	29.3	30.2	33.8	47.2	52.5	48.3
Meats, poultry and fish:							
Steak, round, U.S. Choice lb.	128.5	135.2	143.8	171.0	193.1	210.1	202.3
Rib roast, U.S. Choice lb.	143.6	151.5	164.7	171.7	196.8	208.7	225.6
Chuck roast, U.S. Choice lb.	79.8	80.5	90.2	110.4	120.5	123.4	123.8
Hamburger lb.	86.5	85.7	79.6	108.5	125.7	122.4	122.0
Beef liver lb.	86.9	89.5	91.3	101.2	116.1	120.7	115.3
Veal cutlets lb.	...	...	180.8	208.5	...	...	464.3
Pork chops lb.	152.9	147.0	147.7	173.7	184.4	211.0	223.6
Ham, whole, smoked lb.	85.4	77.1	79.2	105.8	124.4	152.9	169.8
Bacon lb.	108.9	93.8	100.6	135.9	148.2	195.8	209.7
Frying chicken, whole or cut-up lb.	68.4	70.0	72.1	90.4	91.2	95.6	96.1
Mahimahi, fresh or frozen lb.	89.4	115.6	158.1	138.8	127.9	205.0	196.5
Dairy products:							
Milk, fresh, vit. D, grocery ½ gal.	67.0	70.9	74.7	82.1	94.5	104.1	105.4
Milk, evaporated 14½-oz. can	21.9	22.6	23.3	25.4	32.0	34.6	37.8
Butter lb.	95.5	97.3	96.5	97.5	101.0	112.3	137.8
Fruits and vegetables:							
Apples, all purpose lb.	37.6	38.8	37.4	40.1	45.2	52.4	54.6
Bananas lb.	26.3	27.6	29.7	29.8	32.1	35.5	39.3
Papayas lb.	21.8	29.7	34.6	33.4	35.3	37.6	53.1
Potatoes 10 lb.	193.0	189.1	195.0	215.4	295.2	291.4	298.6
Onions, yellow lb.	19.4	20.4	22.3	26.8	26.6	32.2	30.4
Cabbage lb.	12.0	17.7	17.9	18.4	22.2	23.2	23.3
Tomatoes lb.	47.3	53.5	56.6	56.9	62.5	70.0	76.3
Peas, green #303 can	32.9	34.4	36.2	37.2	41.3	50.1	48.6
Tomatoes #2½ can	40.1	41.2	41.7	42.6	50.7	64.0	66.7
Dried beans lb.	26.4	30.4	35.9	42.4	97.8	63.4	59.6
Other foods at home:							
Eggs, grade A, large dozen	76.2	65.9	72.5	94.1	97.0	95.7	94.2
Margarine lb.	38.1	40.9	43.1	43.9	67.7	76.6	62.4
Sugar, white 5 lb.	68.3	72.2	76.1	82.0	184.7	205.0	133.0
Coffee 1-lb. can	103.7	111.1	112.5	121.1	144.6	159.0	190.5
Chicken soup 10½-oz. can	21.1	21.0	21.0	21.0	24.7	26.3	27.1

Source: U.S. Bureau of Labor Statistics, *Estimated Retail Food Prices by City* (monthly and annual).

Table 179.—COMPARATIVE FAMILY BUDGETS FOR HONOLULU: 1966 TO 1975

Type of family and date	Cost of budget (dollars)			Percent of U.S. urban average		
	Lower budget	Intermediate budget	Higher budget	Lower budget	Intermediate budget	Higher budget
URBAN FAMILY OF FOUR PERSONS						
1966: Autumn .....	...	11,190	...	...	122	...
1967: Spring	7,246	10,902	16,076	122	120	123
1969: Spring	8,135	12,118	18,315	124	120	126
1970: Spring	8,597	12,776	19,311	124	120	125
1971: Autumn	8,990	13,108	19,700	125	119	124
1972: Autumn	9,118	13,617	20,579	123	119	124
1973: Autumn	9,924	14,937	21,901	121	118	120
1974: Autumn	11,383	17,019	25,572	124	119	123
1975: Autumn	12,226	18,694	28,302	128	122	127
RETIRED COUPLE						
1966: Autumn .....	...	4,434	...	...	115	...
1967: Spring	3,110	4,429	7,219	116	115	120
1969: Spring	3,401	4,884	7,849	116	115	118
1970: Spring	3,562	5,166	8,312	115	115	117
1971: Autumn	3,875	5,538	8,621	117	116	116
1972: Autumn	3,927	5,633	8,717	114	113	113
1973: Autumn	4,221	6,038	8,844	112	112	110
1974: Autumn	4,801	6,796	9,918	114	112	111
1975: Autumn	5,168	7,339	10,726	115	114	112

Source: U.S. Bureau of Labor Statistics, *City Worker's Family Budget, Autumn 1966* (Bull. No. 1570-1); *Retired Couple's Budget, Autumn 1966* (Bull. No. 1570-4); *Three Standards of Living for an Urban Family of Four Persons, Spring 1967* (Bull. No. 1570-5); *Three Budgets for a Retired Couple, 1967-68* (Bull. No. 1570-6); *Three Budgets for an Urban Family of Four Persons, 1969-70* (Supplement to Bull. 1570-5); *Three Budgets for a Retired Couple ... 1969-70* (Supplement to Bull. 1570-6); *Autumn 1971 Urban Family Budgets and Geographical Comparative Indexes* (release, April 27, 1972); *Three Budgets for a Retired Couple, Autumn 1971* (release, May 16, 1972); *Autumn 1972 Urban Family Budgets and Comparative Indexes for Selected Urban Areas* (release, June 15, 1973); *Three Budgets for a Retired Couple, Autumn 1972* (release, August 10, 1973); *Autumn 1973 Urban Family Budgets and Comparative Indexes for Selected Urban Areas* (release, June 16, 1974); *Three Budgets for a Retired Couple, Autumn 1973* (release, August 27, 1974); *Autumn 1974 Urban Family Budgets and Comparative Indexes for Selected Urban Areas* (release, April 9, 1975); *Three Budgets for a Retired Couple, Autumn 1974* (release, August 1, 1975); *BLS Revises Estimates for Urban Family Budgets and Comparative Indexes for Selected Urban Areas, Autumn 1975* (release, May 5, 1976); *Three Budgets for a Retired Couple, Autumn 1975* (release, August 19, 1976).

Table 180.—ANNUAL BUDGETS FOR THREE LEVELS OF LIVING FOR A FOUR-PERSON FAMILY ON OAHU: AUTUMN 1975

Item	Cost of budget (dollars)			Percent of urban U.S. average		
	Lower budget	Intermediate budget	Higher budget	Lower budget	Intermediate budget	Higher budget
Total budget ¹	12,226	18,694	28,302	128	122	127
Total consumption	9,507	13,703	19,180	122	117	119
Food	3,667	4,603	5,888	124	120	122
At home	3,272	3,967	4,759	128	122	123
Away from home	395	636	1,129	102	109	119
Housing ²	2,644	4,415	6,867	142	125	128
Shelter ³	2,103	3,527	5,097	151	129	138
Renter costs ⁴	2,103	2,647	3,871	151	147	136
Homeowner costs ⁵ .....	...	3,820	5,313	...	125	138
Housefurnishings & operations	541	888	1,591	116	111	106
Transportation ⁶	762	1,438	1,914	109	112	115
Automobile owners	1,086	1,438	1,914	116	107	115
Clothing	793	1,096	1,547	103	99	96
Personal care	292	385	545	118	116	116
Medical care ⁷	860	864	901	105	105	105
Other family consumption ⁸	489	902	1,518	109	109	111
Other items ⁹	487	771	1,334	112	110	113
Social security & disability payments	714	825	825	124	99	98
Personal income taxes	1,518	3,395	6,963	194	165	169

¹Among the 40 metropolitan areas for which separate indexes were reported, Honolulu ranked second in total budget costs at all three levels, exceeded only by Anchorage.

²Housing includes shelter, housefurnishings and household operations. The higher budget also includes an allowance for lodging away from Oahu.

³The average costs of shelter were weighted by the following proportions: lower budget, all families living in rented dwellings; intermediate budget, 25 percent in rented dwellings; higher budget, 15 percent renters.

⁴Includes average contract rent, heating fuel, gas, electricity, water, specified equipment, and insurance on household contents.

⁵Includes interest and principal payments plus taxes; insurance on house and contents; water, refuse disposal, heating fuel, gas, electricity, and specified equipment; and home repair and maintenance costs.

⁶Based on 65 percent of the lower budget families and all of the intermediate and higher budget families owning automobiles.

⁷Based on 30 percent of all families paying full cost of medical insurance, 26 percent paying half cost, and 44 percent covered by non-contributory insurance plans (paid by employer).

⁸Includes reading, recreation, tobacco products, alcoholic beverages, education, and miscellaneous expenditures.

⁹Includes gifts and contributions, life insurance and occupational expenses.

Source: U.S. Bureau of Labor Statistics, *BLS Revises Estimates for Urban Family Budgets and Comparative Indexes for Selected Urban Areas, Autumn 1975* (release, USDL: 76-759, May 5, 1976).

Table 181.—ANNUAL BUDGETS FOR THREE LEVELS OF LIVING FOR A RETIRED COUPLE ON OAHU: AUTUMN 1974

Item	Cost of budget (dollars)			Percent of urban U.S. average		
	Lower budget	Inter-mediate budget	Higher budget	Lower budget	Inter-mediate budget	Higher budget
Total budget ¹	4,801	6,796	9,918	114	112	111
Total consumption	4,594	6,387	9,160	114	112	111
Food	1,624	2,098	2,683	122	119	121
At home	1,528	1,891	2,270	124	119	120
Away from home	96	207	413	99	113	128
Housing ²	1,495	2,221	3,450	106	109	108
Shelter ³	1,072	1,367	1,976	102	105	106
Renter costs ⁴	1,520	2,101	2,874	149	157	142
Homeowner costs ⁵	774	971	1,591	72	76	89
Housefurnishings & operations	423	854	1,393	118	115	111
Transportation ⁶	422	699	1,079	155	133	111
Clothing	190	313	454	97	95	90
Personal care	129	189	277	107	107	107
Medical care ⁷	537	541	546	101	101	101
Other family consumption ⁸	197	326	671	109	108	113
Other items ⁹	207	409	758	114	113	110

¹Among the 40 metropolitan areas for which separate indexes were reported, Honolulu ranked third at the lower level, fifth at the intermediate level, and fifth at the higher level. Anchorage ranked first at all three levels.

²Housing includes shelter, housefurnishings and household operations. The higher budget also includes an allowance for lodging away from Oahu.

³The average costs of shelter were weighted by the following proportions: lower budget, 40 percent living in rented dwellings; intermediate budget, 35 percent in rented dwellings; higher budget, 30 percent renters.

⁴Includes average contract rent, heating fuel, gas, electricity, water, specified equipment, and insurance on household contents.

⁵Includes interest and principal payments plus property taxes; insurance on house and contents; water, refuse disposal, heating fuel, gas, electricity, and specified equipment; and home repair and maintenance costs. Assumes all mortgage payments have been completed.

⁶Based on 45 percent of the lower budget families, 60 percent of the intermediate and all of the higher budget families owning automobiles.

⁷Preliminary estimate.

⁸Includes reading, recreation, tobacco products, alcoholic beverages, education, and miscellaneous expenditures.

⁹Includes gifts and contributions. The higher budget also includes life insurance.

Source: U.S. Bureau of Labor Statistics, *Three Budgets for a Retired Couple, Autumn 1974* (Release USDL 75-427, August 1, 1975).

SECTION 14

ELECTIONS

This section presents data on the number and characteristics of registered voters, votes cast, and elected officials.

More than 343,400 persons were registered to vote in the general election of November 1974, and more than 272,500 actually voted. The number voting amounted to 45.4 percent of the 571,000 Hawaii residents of voting age at that time. The latter figure included 56,000 aliens, 1,000 inmates of mental and penal institutions, and 88,000 members of the armed forces and their dependents, groups that are either ineligible or unlikely to vote in Island elections. Among eligible voters, females slightly outnumbered males, persons of Japanese ancestry outnumbered Caucasians, and Democrats were far more numerous than Republicans. The State Legislature, with 76 members, included 66 males, 35 persons of Japanese ancestry, and 53 Democrats.

Elective offices in Hawaii include the President, two U.S. Senators, two U.S. Representatives, the Governor, 25 State Senators, 51 State Representatives, and various county officials. The minimum voting age is 18 years.

In its 1975 session, the State Legislature considered 3,723 bills; 207 were passed and 200 became law. The Legislature also considered 1,587 resolutions, of which 680 were approved.

Official election results are published by the Office of the Lieutenant Governor. Additional information is often available from the various County Clerks. An analysis of voting trends in Hawaii, *Voter Participation in Hawaii, 1970*, was published jointly by the Hawaii State Department of Planning and Economic Development and Office of the Lieutenant Governor in 1971. Characteristics of individual precincts are described in *1972 Voting Behavior*, compiled by Daniel W. Tuttle, Jr., and published in two volumes by the Center for Government Development, University of Hawaii, in 1973; a revised edition is being prepared. National statistics appear in the *Statistical Abstract of the United States: 1975*, Section 15.

**Table 182.—REGISTERED VOTERS AND VOTES CAST, FOR PRIMARY AND GENERAL ELECTIONS:
1950 TO 1974**

Year	Primary election			General election		
	Registered voters	Votes cast	Percent of pop. voting ¹	Registered voters	Votes cast	Percent of pop. voting ¹
1950	134,807	91,396	19.1	141,319	118,704	24.8
1952	135,485	100,567	21.9	148,717	130,345	28.3
1954	149,941	113,726	24.3	160,865	142,485	30.5
1956	159,995	117,676	23.5	170,258	151,968	30.3
1958	164,703	118,056	21.5	175,317	154,293	28.0
1959	174,335	147,078	26.0	183,118	171,383	30.3
1960	190,504	139,049	23.9	202,059	188,206	32.3
1962	212,861	172,401	28.5	221,650	200,441	33.2
1964	228,230	156,324	24.9	239,361	214,694	34.3
1966	245,307	175,049	26.7	253,242	220,137	33.5
1968	265,253	166,271	24.5	274,199	239,765	35.4
1970	282,472	202,401	28.1	291,681	247,740	34.4
1972	326,906	203,160	26.6	337,837	286,593	37.5
1974	333,527	235,982	29.8	343,404	272,545	34.4
COUNTIES:						
1974						
Hawaii	35,727	25,874	35.9	36,865	31,214	43.3
Maui	25,269	18,634	36.0	25,907	21,100	40.7
Honolulu	256,097	178,729	28.1	263,849	205,903	32.3
Kauai	16,434	12,745	40.5	16,783	14,328	45.5

¹Based on estimated resident civilian population (including military dependents) as of July 1, from the Hawaii State Department of Planning and Economic Development, Statistical Report 95 (May 2, 1973), table 1, and Statistical Report 106 (February 24, 1975), table 2.

Source: Office of the Lieutenant Governor, *Voter Registration Program 1970* (Dec. 28, 1970), pp. 34-35, and *Result of Votes Cast* for primary and general elections of 1972 and 1974.

Table 183.—SEX AND PARTY OF REGISTERED VOTERS, BY COUNTY: NOVEMBER 5, 1974

Sex or party	State total	Hawaii County	Maui County	City & Co. of Honolulu	Kauai County
Total	343,404	36,865	25,907	263,849	16,783
Sex:					
Male	171,072	18,460	13,082	130,935	8,595
Female	172,332	18,405	12,825	132,914	8,188
Party:					
Democratic	190,270	18,627	16,098	144,379	11,166
Republican	47,815	4,390	2,456	39,283	1,686
People's	18	—	—	18	—
Non-partisan	154	—	—	154	—
Non-affiliated	105,147	13,848	7,353	80,015	3,931

Source: Office of the Lieutenant Governor, *Result of Votes Cast, General Election, Tuesday, November 5, 1974, State of Hawaii*, p. 89.

Table 184.—ETHNIC STOCK OF REGISTERED VOTERS: AUG.-OCT. 1974

Subject	Intending to vote in Democratic primary		All eligible voters: poll of Oct. 21-23, 1974
	Poll of Aug. 24-28, 1974	Poll of Sept. 20-24, 1974	
Persons interviewed ¹	574	1,197	607
Registered Democrats	474	926	(²)
Independents	100	271	(²)
Ethnic stock (percent) ³	100.0	100.0	100.0
Japanese	40.2	41.5	36.7
Caucasian	24.4	23.1	32.5
Filipino	13.9	14.1	7.9
Hawaiian or Part Hawaiian	8.5	8.2	9.9
Chinese	6.6	6.5	7.4
Others and not reported	6.3	6.5	5.6

¹Interviews were conducted on Oahu, Hawaii, Maui, and Kauai, but not Molokai or Lanai. For further discussion, see Gerry Keir, "State Race Doesn't Look Close," *Honolulu Advertiser*, Oct. 29, 1974, pp. A-1 and A-4.

²Not available. In response to the question, "Generally speaking, do you usually think of yourself as a Republican, a Democrat, an independent, or what?" answers were: Democrats, 249 (41.0 percent), Republicans, 134 (22.1 percent), independents, 171 (28.2 percent), and did not know, 53 (8.7 percent).

³Response to the question, "According to the last Federal census there are five major ethnic groups in Hawaii. Which one best describes your own ancestry? (1) Caucasian, (2) Japanese, (3) Filipino, (4) Hawaiian or Part Hawaiian, (5) Chinese, (6) other."

Source: Sample surveys designed by Gerry Keir, City Editor, *Honolulu Advertiser*, and conducted by Surveys of Hawaii. Data supplied by Gerry Keir, Nov. 18, 1974.

Table 185.—POPULATION OF VOTING AGE AND PERCENT VOTING: NOVEMBER 1960 TO 1976
 (Resident population 20 years old and over through 1970 and 18 years and over in 1972 and later years. Includes armed forces stationed in Hawaii.)

Year (Nov.)	Persons of voting age	Percent casting votes		Subject	Persons of voting age
		For Presidential Electors	For U.S. Representatives		
1960	371,000	49.7	49.2	Age, 1976:	
1962	390,000	...	49.9	18 to 24 years	142,000
1964	404,000	51.3	56.9	25 to 44 years	230,000
1966	417,000	...	49.9	45 to 64 years	168,000
1968	439,000	53.8	55.3	65 years and over	61,000
1970	473,000	...	44.0	Status, 1976:	
1972	536,000	50.4	51.3	Aliens	53,000
1974	574,000	...	45.2	Citizens	547,000
1976	600,000	(NA)	(NA)	Military and dependents ...	82,000
				Institutionalized ¹	1,000
				Non-inst. civilian ²	464,000

NA Not available.

¹Voting-age inmates of Hawaii State Hospital, Waimano Training School and Hospital, and the Hawaii State Prison System.

²Excludes military dependents.

Source: U.S. Bureau of the Census, "Projections of the Population of Voting Age for States: November 1976," *Current Population Reports*, Series P-25, No. 626, May 1976, tables 1, 2, 4 and 5; Hawaii State Department of Health, *Statistical Report, 1974*, pp. 121 and 135; Hawaii State Department of Social Services and Housing, Corrections Division, records; Hawaii State Department of Planning and Economic Development, *Statistical Report 109* (August 22, 1975), p. 3.

Table 186.—PARTY MEMBERSHIP OF THE TERRITORIAL AND STATE LEGISLATURES: 1951 TO 1975

Regular session	House of Representatives				Senate			
	Total	Democrats	Republicans	Vacant seats	Total	Democrats	Republicans	Vacant seats
1951	30	9	21	—	15	6	9	—
1953	30	11	19	—	15	7	8	—
1955	30	22	8	—	15	9	6	—
1957	30	18	12	—	15	12	3	—
1959: Terr.	51	33	18	—	25	16	9	—
State	51	33	18	—	25	11	14	—
1961	51	33	18	—	25	11	14	—
1963	51	40	11	—	25	15	10	—
1965	51	39	12	—	25	16	9	—
1967	51	39	12	—	25	15	10	—
1969	51	38	12	1	25	17	8	—
1971	51	34	17	—	25	16	8	1
1973	51	35	16	—	25	17	8	—
1975	51	35	16	—	25	18	7	—
COUNTIES: 1975								
Hawaii	5	5	—	—	3	2	1	—
Maui	4	2	2	—	2	2	—	—
Honolulu	39	25	14	—	19	13	6	—
Kauai	3	3	—	—	1	1	—	—

Source: *Session Laws of Hawaii, 1951-1973*; *Honolulu Star-Bulletin*, Nov. 6, 1974.

Table 187.—COMPOSITION OF THE 1975 HAWAII STATE LEGISLATURE

Subject	House of Representatives			Senate		
	Total	Democrats	Republicans	Total	Democrats	Republicans
All members	51	35	16	25	18	7
County:						
Hawaii	5	5	0	3	2	1
Maui	4	2	2	2	2	0
Honolulu	39	25	14	19	13	6
Kauai	3	3	0	1	1	0
Sex:						
Male	45	33	12	21	16	5
Female	6	2	4	4	2	2
Year born:						
1914 or earlier	1	1	0	2	2	0
1915 to 1924	10	6	4	8	6	2
1925 to 1934	20	12	8	12	8	4
1935 to 1944	18	14	4	3	2	1
1945 or later	2	2	0	0	0	0
Ethnic stock:						
Caucasian, exc. Portuguese	10	6	4	6	2	4
Chinese	3	2	1	5	4	1
Filipino	1	1	0	0	0	0
Hawaiian (unmixed)	0	0	0	0	0	0
Japanese	25	21	4	10	9	1
Korean	0	0	0	0	0	0
Negro	0	0	0	0	0	0
Portuguese	2	0	2	0	0	0
Puerto Rican	0	0	0	0	0	0
Samoan	0	0	0	0	0	0
Other unmixed	0	0	0	0	0	0
Mixed: Part Hawaiian	7	4	3	3	2	1
Mixed: Non-Hawaiian	3	1	2	1	1	0

Source: Office of the Lieutenant Governor.

Table 188.—VOTES CAST FOR MAJOR OFFICES: 1966 TO 1974

Election and office	Democratic party		Republican party		Other parties	
	Candidate	Votes	Candidate	Votes	Candidate	Votes
November 8, 1966:						
Governor	Burns	108,840	Crossley	104,324	None .....	...
U.S. Representative ¹	Matsunaga	140,110	Carroll	67,281	None .....	...
	Mink	140,880	Kealoha	62,473	None .....	...
November 5, 1968:						
President	Humphrey	141,324	Nixon	91,425	Wallace ²	3,469
U.S. Senator	Inouye	189,248	Thiessen	34,008	Lee ³	3,671
U.S. Representative ¹	Matsunaga	161,954	Blaisdell	78,733	Olsen ³	2,432
	Mink	149,207	DuBois	39,233	Lombardi ³	2,026
November 3, 1970:						
Governor	Burns	137,150	King	100,573	None .....	...
U.S. Senator	Heftel	116,039	Fong	123,334	None .....	...
U.S. Representative, Dist. 1	Matsunaga	84,845	Cockey	31,534	None .....	...
U.S. Representative, Dist. 2	Mink	90,628	None .....	...	None .....	...
November 7, 1972:						
President	McGovern	101,409	Nixon	168,865	None .....	...
U.S. Representative, Dist. 1	Matsunaga	73,826	Rohlfing	61,138	None .....	...
U.S. Representative, Dist. 2	Mink	79,856	Hansen	60,043	None .....	...
November 5, 1974:						
Governor	Ariyoshi	136,262	Crossley	113,388	None .....	...
U.S. Senator	Inouye	207,454	.....	...	Kimmel ⁴	42,767
U.S. Representative, Dist. 1	Matsunaga	71,552	Paul	49,065	None .....	...
U.S. Representative, Dist. 2	Mink	86,916	Coray	51,894	None .....	...

¹Two elected at large.

²American Independent.

³Peace and Freedom.

⁴People's.

Source: Office of the Lieutenant Governor, *Result of Votes Cast, General Election, State of Hawaii* for 1966-1974.

Table 189.—LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 1970 TO 1976

Action	1970	1971	1972	1973	1974	1975	1976
House bills:							
Carried over ¹	1,105	—	1,543	—	1,915	—	1,854
Introduced	903	1,635	985	2,043	1,054	1,990	1,468
Passed	120	92	116	128	176	137	143
Vetoed	6	7	5	9	7	5	7
Became law	114	85	111	119	169	132	136
Senate bills:							
Carried over ¹	1,002	—	1,192	—	1,227	—	1,663
Introduced	873	1,315	791	1,319	840	1,733	1,285
Passed	94	123	103	92	80	70	108
Vetoed	1	2	7	3	6	2	2
Became law	93	121	96	89	74	68	106
House resolutions:							
Introduced	412	446	430	534	528	831	709
Approved	273	251	190	207	232	377	455
House concurrent resolutions:							
Introduced	126	106	58	123	77	149	124
Approved	38	25	15	17	16	35	38
Senate resolutions:							
Introduced	359	350	344	318	320	455	469
Approved	273	242	239	182	237	237	259
Senate concurrent resolutions:²							
Introduced	83	60	60	68	58	152	123
Approved	46	24	24	25	28	31	59

¹From the preceding year.

²At the special session of 1974, two Senate resolutions were adopted.

Source: Legislative Reference Bureau, records.

BANKING, INSURANCE, AND BUSINESS ENTERPRISE

Statistics in this section relate to banks and other financial institutions, stocks and bonds, insurance, fires, and business firms.

There were eight banks with 165 branches, 11 savings and loan associations with 90 branches, three trust companies, and 241 industrial loan or small loan licensees in Hawaii as of June 30, 1975. Deposits in Island banks reached \$2.62 billion in 1975, compared with \$1.56 billion in 1970 and \$673 million in 1960. Assets of savings and loan associations stood at \$1.65 billion in 1975, double their 1970 level and eight times as great as in 1960. Eighty-four percent of the households on Oahu had savings accounts in 1972 and 78 percent had checking accounts.

The market value of stocks and bonds traded on the Honolulu Stock Exchange in 1975 amounted to \$523,000, the lowest total in more than seventy years. The all-time high was \$25.4 million in 1961. Approximately 58,000 Hawaii residents held shares in U.S. public corporations or investment companies in 1975.

Life insurance in force in Hawaii at the end of 1974 amounted to \$11.1 billion, triple the figure reported ten years earlier and nine times the 1954 coverage. For all 534 insurance companies doing business in the Islands, Hawaii premiums amounted to \$331 million in 1974 and losses, claims, and benefits paid came to only \$155 million. Oahu fire losses amounted to \$6.4 million in fiscal 1974. Persons covered by the two major prepaid health insurance plans as of December 31, 1975 numbered 576,000, with membership dues in excess of \$98 million.

By mid-1975, almost 25,000 corporations and partnerships were registered to do business in Hawaii: 16,226 local ("domestic") corporations, 2,783 out-of-State ("foreign") corporations, and 5,798 partnerships. Business units with one or more employees as of the first quarter of 1973 numbered 13,640, including 349 with 100 or more employees. During fiscal 1975, 1,808 new local corporations were formed and 247 existing local corporations were dissolved or merged. Business receipts of corporations exceeded \$6.8 billion in 1973; business receipts of proprietorships in 1973 (the most recent year available) amounted to \$696 million.

Sources for statistics on these subjects include the Hawaii State Department of Regulatory Agencies (specifically its Bank Examination, Insurance, Fire Marshal and Business Registration Divisions), the State Department of Taxation, the Honolulu Fire Department, the New York and Honolulu Stock Exchanges, and the annual report on *County Business Patterns* issued by the U.S. Bureau of the Census. Comparable Mainland data appear in Sections 16 and 17 of *Statistical Abstract of the United States: 1975*.

Table 190.—BANKS: 1958 TO 1975

Year	Number, June 30		Total assets, June 30 (\$1,000)	Deposits, June 30 (\$1,000)				Debits to demand deposits, cal. year (\$1,000)	Bank clearings, cal. year (\$1,000)
	Banks	Branch offices and facilities		Total	Demand	Time	Government and other		
1958	5	63	565,464	522,824	182,668	198,154	142,003	(NA)	3,737,261
1959	6	70	666,138	614,510	232,342	210,280	171,888	(NA)	4,287,810
1960	6	79	735,652	672,866	252,588	218,638	201,640	6,283,656	4,959,892
1961	7	88	843,084	769,200	268,329	254,641	246,230	6,731,444	5,656,596
1962	7	98	934,438	842,596	281,296	293,360	267,940	7,004,341	6,425,844
1963	7	115	934,223	838,080	290,691	324,231	223,158	7,566,149	6,842,960
1964	7	115	991,432	887,057	313,751	345,524	227,782	8,470,190	6,710,284
1965	7	123	1,081,588	940,835	331,110	371,108	238,617	9,562,212	7,155,161
1966	7	126	1,201,515	1,052,845	347,336	411,797	293,713	12,166,585	7,585,787
1967	7	128	1,263,917	1,110,733	403,658	480,318	226,757	13,198,363	7,700,654
1968	7	126	1,440,891	1,287,166	431,047	525,564	330,555	16,316,676	9,281,829
1969	7	132	1,669,606	1,499,459	526,895	590,618	381,947	21,527,177	11,190,757
1970	7	143	1,762,811	1,558,671	558,924	631,538	368,209	23,305,519	13,286,842
1971	7	149	2,062,194	1,804,545	624,130	751,692	428,723	24,316,129	15,091,524
1972	7	155	2,252,841	2,000,685	683,419	843,828	473,438	27,006,791	16,839,868
1973	8	162	2,625,855	2,367,682	781,470	982,689	603,523	31,803,985	19,253,017
1974	8	164	2,875,085	2,573,664	819,177	1,074,603	679,883	38,495,103	21,219,856
1975	8	165	2,964,953	2,615,796	875,441	1,170,368	569,986	42,198,265	23,663,047

NA Not available.

Source: Hawaii State Department of Regulatory Agencies, Bank Examination Division, semi-annual consolidated statements and records.

Table 191.—SAVINGS AND LOAN ASSOCIATIONS, TRUST COMPANIES, AND LOAN COMPANIES: 1958 TO 1975

Year (as of June 30)	Savings and loan associations				Trust companies		Industrial loan licensees		Small loan licensees	
	Number		Assets (\$1,000)	Deposits ¹ (\$1,000)	Number	Assets (\$1,000)	Number	Assets (\$1,000)	Number	Assets (\$1,000)
	Associations	Branches ²								
1958	11	2	150,940	131,740	5	22,609	92	51,820	10	641
1959	10	8	166,111	144,647	5	22,329	104	61,332	13	1,067
1960	10	10	202,200	165,653	5	22,182	116	80,648	22	1,303
1961	10	13	228,476	188,179	5	24,004	134	95,905	26	1,763
1962	14	17	263,781	220,120	5	23,999	145	104,171	32	1,917
1963	15	26	322,674	273,288	5	24,502	154	111,667	36	1,944
1964	15	26	395,586	322,355	5	25,833	167	126,422	40	2,315
1965	18	30	460,454	365,211	5	25,348	174	156,929	45	1,853
1966	17	38	490,130	387,152	5	30,309	173	180,067	48	1,771
1967	15	39	514,407	424,005	4	25,077	180	182,914	52	1,740
1968	14	42	569,325	480,227	4	37,312	192	204,543	52	1,571
1969	14	44	650,398	528,570	4	44,790	198	265,310	54	1,367
1970	13	51	730,772	584,017	3	40,606	213	311,978	46	1,016
1971	13	55	869,323	716,674	3	45,049	220	371,556	47	871
1972	12	62	1,085,455	878,335	4	46,941	220	448,935	40	365
1973	12	72	1,325,331	1,032,679	3	45,809	221	549,495	24	131
1974	11	82	1,474,175	1,146,587	3	41,181	225	680,286	24	653
1975	11	90	1,650,050	1,326,024	3	41,988	235	718,010	6	67

¹Withdrawable shares, withdrawable deposits and investment certificates.

²Branches, facilities, and agencies.

Source: Hawaii State Department of Regulatory Agencies, Bank Examination Division, semi-annual consolidated statements and records.

**Table 192.—ASSETS AND LIABILITIES OF BANKS AND SAVINGS AND LOAN ASSOCIATIONS:
DECEMBER 31, 1960 TO 1975**
(In thousands of dollars)

Subject	1960	1965	1970	1974	1975
BANKS					
Total assets	813,618	1,155,117	1,917,915	2,918,309	3,013,876
Loans and discounts	400,109	667,133	1,163,467	1,848,039	1,829,952
U.S. govt. and other securities	248,905	282,558	449,642	642,007	699,366
Cash and due from banks	143,400	144,138	215,527	296,898	348,482
Fixed assets	12,105	27,476	43,846	50,557	63,443
Other assets	9,099	33,812	45,433	80,807	72,632
Total liabilities and capital	813,618	1,155,117	1,917,915	2,918,309	3,013,876
Demand deposits	275,452	373,402	608,810	870,450	919,780
Time and other deposits	467,844	632,113	1,088,352	1,682,393	1,760,953
Other liabilities	12,275	62,838	84,695	79,599	79,074
Capital	58,047	86,734	136,057	285,867	254,069
SAVINGS AND LOAN ASSOCIATIONS					
Total assets	210,993	482,067	778,909	1,523,316	1,787,124
Mortgage loans	185,034	423,603	678,688	1,344,025	1,547,871
Other loans	4,713	8,750	14,212	31,756	39,417
U.S. Government and other securities	10,082	17,418	46,471	91,592	140,230
Fixed assets	2,693	8,361	16,282	29,732	36,712
Cash on hand and in banks	7,940	19,687	12,134	7,274	3,727
Other assets	531	4,248	11,122	18,937	19,166
Total liabilities	210,993	482,067	778,909	1,523,316	1,787,124
Withdrawal shares	175,040	364,036	576,044	1,131,276	1,370,804
Withdrawable deposits & invest. certificates ...	277	14,034	49,868	39,344	53,688
Reserves	15,728	27,898	37,346	47,218	53,549
Surplus and undivided profits	977	5,718	22,061	53,521	61,796
Other liabilities	18,971	70,381	93,590	251,957	247,287

Source: Hawaii State Department of Regulatory Agencies, Bank Examination Division, tabular releases.

Table 193.—PERCENT OF OAHU HOUSEHOLDS WITH SAVINGS ACCOUNTS, CHECKING ACCOUNTS, AND CREDIT CARDS: 1970 TO 1972

Year	Percent with savings accounts	Percent with checking accounts	Percent with major credit cards	
			Including gasoline	Excluding gasoline
1970	79.7	76.0	...	42.5
1971	87.4	81.2	...	45.8
1972	84.0	77.9	53.3	...

Source: Hawaii Newspaper Agency, Inc., *Continuing Home Audit, 1972*, as revised.

Table 194.—MARKET VALUE OF STOCKS AND BONDS TRADED ON THE HONOLULU STOCK EXCHANGE: 1958 TO 1975

Year	Value (\$1,000)	Year	Value (\$1,000)	Year	Value (\$1,000)
1958	10,132	1966	11,329	1974	1,175
1959	14,521	1967	16,716	1975	523
1960	11,412	1968	13,449		
1961	25,378	1969	11,679		
1962	20,422	1970	8,590		
1963	20,141	1971	5,533		
1964	15,163	1972	3,986		
1965	14,988	1973	1,896		

Source: Honolulu Stock Exchange, records.

Table 195.—HAWAII RESIDENTS HOLDING SHARES IN U.S. PUBLIC CORPORATIONS OR INVESTMENT COMPANIES: 1959 TO 1975

Year	Shareowners
1959	13,000
1962	18,000
1965	39,000
1970	74,000
1975	58,000

Source: New York Stock Exchange, Inc., *Shareownership in America 1959* (p. 27), *Shareownership U.S.A., 1965 Census of Shareowners* (p. 22), and *Shareownership—1970, Census of Shareowners* (p. 20); NYSE 1975 survey results cited in *Honolulu Star-Bulletin*, December 9, 1975, p. C-11.

Table 196.—INSURANCE BUSINESS TRANACTED IN HAWAII: 1958 TO 1974

Calendar year	All insurance			Life insurance, excluding annuities				
	Number of companies authorized, Dec. 31	Premiums (\$1,000)	Losses, claims, and benefits paid (\$1,000)	Number of companies ¹	Insurance written, revived, increased, or transferred (\$1,000)	Insurance in force, Dec. 31 (\$1,000)	Premiums received (\$1,000)	Claims and benefits paid (\$1,000)
1958	267	72,262	27,904	96	444,419	2,078,987	38,972	13,848
1959	291	80,518	32,644	108	479,726	2,232,582	41,683	14,254
1960	313	91,387	38,354	116	594,203	2,555,929	45,607	16,677
1961	332	97,782	39,242	126	586,962	2,873,220	50,003	17,791
1962	354	105,597	42,864	140	697,666	3,265,933	54,166	19,215
1963	362	116,263	48,696	148	832,820	3,593,592	59,230	22,145
1964	369	124,287	50,407	153	701,309	3,760,033	63,318	23,878
1965	391	137,331	56,283	164	829,700	4,212,206	69,315	26,185
1966	403	149,321	65,255	179	841,080	4,697,954	74,127	30,456
1967	415	162,102	74,888	189	929,044	5,102,132	80,217	32,964
1968	434	179,236	86,102	200	1,171,454	5,874,280	85,713	36,609
1969	450	207,184	98,867	213	1,289,564	6,632,539	91,402	39,703
1970	469	246,986	114,011	223	1,376,907	7,441,077	98,360	40,267
1971	485	276,707	119,880	233	1,565,272	8,127,837	106,524	45,301
1972	502	303,954	124,502	239	1,484,039	8,788,361	115,491	44,661
1973	517	316,897	132,102	262	1,935,643	9,433,897	120,229	47,980
1974	534	331,146	155,272	270	2,609,649	11,095,747	130,102	54,009

¹Transacting life insurance business during the year, 1958-1972; authorized, 1973 and later years. Includes fraternal benefit societies.
 Source: *Report of the Insurance Commissioner of Hawaii* (annual).

Table 197.—INSURANCE: 1974

Class of insurance	Premiums (\$1,000)	Losses, claims, and benefits paid (\$1,000)	Subject	Amount (\$1,000)
Total	331,146	155,272	Life insurance	
Life, excluding annuities.....	129,735	53,971	Written or transferred	2,609,649
Fraternal.....	367	38	In force, Dec. 31	11,095,747
Fire, marine, casualty & misc.....	199,268	101,090	Premiums received	130,102
Accident and health	13,176	17,119	Claims and benefits paid	54,009
Fire	10,618	4,174		
Allied lines	5,262	839		
Homeowners multiple peril	12,515	5,124		
Priv. pass. auto liability	45,502	19,798	Insurance other than life	
Comm. auto liability	10,671	6,062	Direct premiums written	201,043
Priv. pass. auto phys. damage	16,790	9,275	Direct premiums earned	196,162
Comm. auto phys. damage	2,797	1,629	Direct losses paid	101,263
Workmen's compensation	27,198	16,559	Direct losses incurred	107,995
Liability other than auto	15,187	4,725		
Glass	285	132		
Burglary and theft	1,158	338		
Boiler and machinery	527	27		
Fidelity and surety.....	6,580	12,070		
Ocean marine.....	3,321	875		
Inland marine.....	3,581	2,288		
All other	4,099	57		
Surplus lines.....	1,775	173		

Subject	Insurance companies authorized in Hawaii (\$1,000) ¹			
	All companies	Domestic	Foreign	Alien
Assets	287,135,750	174,586	282,611,539	4,349,624
Liabilities exc. capital and surplus	261,760,632	128,314	257,739,940	3,892,378
Policyholder's surplus inc. capital	25,375,118	46,272	24,871,600	457,247
Capital	2,038,065	11,893	2,007,963	18,210
Investments in Hawaii, total	1,487,228	58,466	1,394,114	34,648
Mortgage loans (principal indebtedness)	822,890	30,507	774,586	17,797
Collateral loans (amount loaned).....	976	976	—	—
State and county bonds ²	160,852	3,676	156,652	524
Utilities, stocks and bonds ²	147,222	8,668	124,242	14,311
Industrials, etc., stocks and bonds ²	324,068	12,059	310,308	1,701
Real estate ³	31,221	2,581	28,326	314
Balances in Hawaii banks	18,273	13,808	4,371	94

¹Data as of December 31. "Domestic" companies are those based in Hawaii; "foreign," on the Mainland; and "alien," in foreign countries.

²Market value of stocks and bonds.

³Market value less encumbrances.

Source: *Report of the Insurance Commissioner of Hawaii 1975*, pp. 7, 8, 16, 20 and 37.

Table 198.—HEALTH INSURANCE: 1973-1974

Subject	Number
Persons less than 65 years of age protected by health insurance, as of December 31, 1974 (unduplicated):	
Hospital expense	197,000
Surgical expense	622,000
Regular medical expense	614,000
Major medical expense	74,000
Health insurance benefit payments, 1973 (millions of dollars), total	90
Insurance companies	14
Other hospital-medical plans	76
Health insurance premiums, 1973 (millions of dollars), total	107
Insurance companies	23
Other hospital-medical plans	84
Community hospital costs, 1974:	
Average length of hospital stay (days)	6.9
Average cost to hospital (dollars)—	
Per patient day	140.40
Per patient stay	968.70

Source: Health Insurance Institute, *Source Book of Health Insurance Data 1975-76*, pp. 31, 43, 47, and 57.

Table 199.—PREPAID HEALTH PLANS: 1970 TO 1975

Year	Hawaii Medical Service Association		Kaiser Foundation Health Plan			Commercial carrier premiums ¹ (\$1,000)
	Persons covered, end of year ²	Membership dues ³ (\$1,000)	Persons covered ²		Membership dues (\$1,000)	
			Annual average	End of year		
1970	393,546	35,389	82,721	87,008	9,372	23,000
1971	404,293	42,443	89,934	94,009	11,503	26,556
1972	417,305	48,759	95,226	95,877	13,227	29,097
1973	432,905	55,209	96,057	96,242	14,779	31,200
1974	451,583	64,138	97,202	98,184	16,309	33,176
1975	474,265	79,827	100,766	101,827	18,592	(NA)

NA Not available.

¹For accident and health insurance.

²Subscribers and dependents, whether on a group or individual basis.

³Excludes investment income, membership fees, etc.

Source: Hawaii Medical Service Association, records; Kaiser Foundation Health Plan, Inc., records; *Report of the Insurance Commissioner* (annual).

Table 200.—FIRES, BY COUNTY: 1958 TO 1975

Year	State total ¹	City and County of Honolulu	Hawaii County	Kauai County	Maui County ²
1958	1,578	1,313	(NA)	156	109
1959	2,195	1,869	(NA)	167	159
1960	2,196	1,826	216	154	(NA)
1961	2,338	1,980	213	145	(NA)
1962	2,939	2,289	242	145	263
1963	2,966	2,375	264	152	175
1964	2,830	2,342	172	107	209
1965	3,197	2,803	263	131	(NA)
1966	3,464	2,995	267	202	(NA)
1967	3,657	3,378	126	153	(NA)
1968	5,070	4,274	392	199	205
1969	5,633	4,716	390	240	287
1970	4,781	3,868	364	254	295
1971	4,834	3,969	398	205	262
1972	5,293	4,288	386	226	393
1973	5,826	4,710	376	370	370
1974	4,620	3,660	386	256	318
1975	6,563	5,347	342	461	413

NA Not available.

¹For reporting counties.

²Years ended June 30, 1968 through 1974.

Source: Hawaii State Department of Regulatory Agencies, Fire Marshal Division, records.

Table 201.—FIRE LOSSES RECORDED BY THE HONOLULU FIRE DEPARTMENT: 1958 TO 1975

Year ¹	Loss (\$1,000)
1958	1,043
1959	1,875
1960	773
1961 (Jan.-June)	654
1962	1,343
1963	1,252
1964	1,442
1965	1,631
1966	1,809
1967	4,016
1968	3,771
1969	3,677
1970	4,531
1971	5,032
1972	3,527
1973	12,962
1974	6,392
1975	7,303

¹Calendar years 1958-1960; years ended June 30, 1962 forward.

Source: Honolulu Fire Department, *Annual Report* for 1958-1975 and records.

Table 202.—REGISTERED CORPORATIONS AND PARTNERSHIPS: 1958 TO 1976
(Excludes eleemosynary corporations)

Year ended June 30	Domestic (Hawaii) corporations			Foreign (non-Hawaii) corporations			Partnerships		
	Formed	Dissolved or merged	On record, end of period	Qualified	Withdrew, merged, or cancelled	On record, end of period	Regis- tered	Dissolved or can- celled	On record, end of period
1958	474	140	2,902	130	16	458	392	422	2,058
1959	593	150	3,345	91	20	529	332	377	2,013
1960	977	183	4,139	131	20	640	464	314	2,153
1961	839	184	4,794	159	27	772	425	312	2,276
1962	726	220	5,300	130	58	844	377	298	2,355
1963	689	200	5,789	103	80	867	371	395	2,331
1964	854	234	6,409	143	114	896	355	500	2,186
1965	965	294	7,080	132	30	998	328	276	2,238
1966	957	471	7,566	142	88	1,052	343	278	2,303
1967	813	383	7,996	178	99	1,131	376	547	2,132
1968	984	624	8,356	199	82	1,248	389	325	2,196
1969	1,177	498	9,035	297	53	1,492	524	512	2,492
1970	1,392	672	9,755	303	61	1,734	228	254	2,750
1971	1,411	563	10,603	266	61	1,939	717	307	3,160
1972	1,602	647	11,558	283	68	2,154	881	305	3,736
1973	1,989	259	13,288	300	70	2,384	879	352	4,263
1974	2,016	259	14,666	276	56	2,604	1,072	344	5,679
1975	1,808	261	16,212	260	81	2,783	1,151	344	5,798
1976	1,929	1,860	16,281	276	74	2,985	1,032	405	6,425

Source: *Annual Report of the Department of Treasury and Regulation* for 1960-1962; *Report of the Department of Regulatory Agencies* for 1963-1968, and records.

Table 203.—CHARACTERISTICS OF BUSINESS UNITS: 1959 TO 1973

Year ¹	Number of employees, mid-March pay period	Taxable payrolls, Jan.-Mar. (\$1,000)	Total reporting units	Number of reporting units by employment-size class							
				1 to 3 ²	4 to 7	8 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 or more
1959	117,086	106,221	9,406	4,975	1,823	1,564	672	194	125	33	20
1962	134,927	139,901	10,059	5,070	2,044	1,695	791	260	139	38	22
1964	142,453	160,573	10,862	5,345	2,218	1,984	845	264	144	38	24
1965	151,633	175,334	11,242	5,424	2,307	2,076	910	300	161	41	23
1966	164,026	198,320	11,438	5,352	2,360	2,194	971	311	179	46	25
1967	170,877	213,174	11,609	5,366	2,427	2,253	969	334	184	45	31
1968	180,127	242,509	11,863	5,296	2,484	2,353	1,095	365	187	56	27
1969	196,343	283,081	12,046	5,268	2,449	2,462	1,190	369	220	56	32
1970	208,882	330,607	12,146	5,212	2,487	2,464	1,243	403	240	64	33
1971	214,916	351,722	12,526	5,351	2,570	2,585	1,258	424	236	70	32
1972	222,207	383,974	12,959	5,332	2,778	2,725	1,344	434	245	69	32
1973	239,209	433,925	13,640	5,557	2,950	2,852	1,412	520	243	76	30

¹Data not published for unlisted years.

²Interval shown as 0 to 3 in 1959. Data for 1962 and later years include establishments with no employees in the mid-March pay period if they reported any taxable payroll for the quarter.

Source: U.S. Department of Commerce, *County Business Patterns* (irregular, 1959-1962; annual, 1964 and thereafter).

Table 204.—CHARACTERISTICS OF BUSINESS UNITS: 1973

County and industry group	Number of employees, mid-March pay period	Taxable payrolls, Jan.-Mar. (\$1,000)	Total reporting units	Number of reporting units, by employment-size class							
				1 to 3	4 to 7	8 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 or more
Total	239,209	433,925	13,640	5,557	2,950	2,852	1,412	520	243	76	30
Counties:											
Hawaii	16,749	27,129	1,381	582	330	312	103	35	11	7	1
Honolulu	200,593	373,366	10,373	4,083	2,219	2,170	1,161	438	212	62	28
Kalawao	35	38	2	1	—	—	1	—	—	—	—
Kauai	7,423	11,809	523	238	113	97	45	16	10	4	—
Maui	12,371	18,131	922	373	201	216	87	31	10	3	1
Statewide	2,038	3,452	439	280	87	57	15	—	—	—	—
Major industry group:											
Agric. services, forestry, fisheries	1,133	1,544	146	60	36	37	12	1	—	—	—
Mining	472	1,372	11	4	1	1	1	2	2	—	—
Contract construction	24,046	69,930	1,319	463	298	283	175	65	28	6	1
Manufacturing: food & kindred products	10,711	20,250	198	37	38	51	34	14	16	5	3
Manufacturing, except food	13,810	29,175	500	129	88	109	100	50	18	5	1
Transportation & other public utilities	23,711	62,216	532	138	104	119	89	41	28	7	6
Wholesale trade	15,212	33,570	1,126	388	260	297	128	36	15	2	—
Retail trade	62,272	72,964	3,388	1,002	767	936	456	153	51	18	5
Finance, insurance, and real estate	21,957	43,129	1,736	1,027	310	211	104	50	25	7	2
Services: hotels and other lodging places	17,157	21,782	195	41	27	37	39	19	12	12	8
Services, except hotels	46,483	75,205	4,085	2,037	934	701	258	89	48	24	4
Unclassified establishments	2,245	2,788	404	231	87	70	16	—	—	—	—

Source: U.S. Bureau of the Census, *County Business Patterns, 1973. Hawaii. CBP-73-13.*

Table 205.—CORPORATIONS: 1959 TO 1973

Fiscal years ended in—	Number of corporations			Business receipts ¹ (\$1,000,000)			Taxable income, excluding net losses ² (\$1,000,000)
	Total	Taxable	Nontaxable	All corporations	Taxable corporations	Nontaxable corporations	
1958-59 ³	2,562	1,461	1,101	...	...	...	76.2
1959-60 ³	2,771	1,706	1,065	...	...	...	100.1
1960	3,153	1,689	1,464	...	...	...	92.8
1961	4,095	2,140	1,955	...	...	...	131.5
1962	4,552	2,340	2,212	...	...	...	126.1
1963	5,016	2,432	2,584	...	...	...	126.9
1964	5,331	2,654	2,677	...	...	...	164.7
1965	5,744	3,116	2,628	...	...	...	177.7
1966	6,109	3,344	2,765	...	...	...	181.0
1967	6,384	3,463	2,921	3,523	...	...	192.6
1968	6,841	3,948	2,893	4,031	3,113	918	231.7
1969	7,121	4,149	2,972	4,580	3,601	979	229.8
1970	7,821	4,324	3,497	5,302	3,936	1,366	224.4
1971	8,071	4,390	3,681	5,686	3,905	1,781	216.2
1972	8,441	4,666	3,775	6,112	4,144	1,968	241.4
1973	9,263	5,031	4,232	6,838	4,907	1,931	319.3

¹Comparable data not available before 1967.

²Includes taxable income reported by Small Business Corporations, taxable to individual stockholders only.

³Between September 1 and August 31.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns—Corporations* (annual report).

Table 206.—PROPRIETORSHIPS: 1961 TO 1973

Year earned	Number of businesses			Business receipts (\$1,000,000)			Net profit or loss (\$1,000,000)	
	Total	With net profit	With net loss	All businesses	With net profit	With net loss	Profit	Loss
1961	22,316	19,084	3,232	361.1	338.6	22.5	70.9	4.3
1963	23,470	19,619	3,851	404.9	358.0	46.9	78.5	6.3
1965	22,366	19,150	3,216	474.8	440.6	34.2	91.0	5.1
1967	24,325	20,190	4,135	458.7	422.3	36.4	93.4	8.6
1969	25,730	20,853	4,877	577.3	544.2	33.0	129.5	9.6
1971	29,598	21,886	7,712	612.5	561.4	51.2	138.5	13.9
1973	33,143	24,817	8,326	696.0	631.9	64.1	163.3	19.4

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns—Proprietorships* (biennial report).

**Table 207.—SALES AND NET INCOME OF MAJOR HAWAII CORPORATIONS:
1974 AND 1975**

Corporation	Sales			Net income ¹		
	1975 (\$1,000)	1974 (\$1,000)	Percent change ¹	1975 (\$1,000)	1974 (\$1,000)	Percent change
Amfac Inc.	1,133,817	1,147,288	-1.2	20,089	56,843	-64.7
Dillingham Corp.	913,161	770,470	+18.5	18,783	19,744	-4.9
Castle & Cooke	843,051	761,324	+10.7	38,160	42,475	-10.2
Alexander & Baldwin	308,033	347,664	-11.4	22,158	70,901	-68.7
C. Brewer & Co.	296,151	302,445	-2.1	7,251	26,361	-72.5
Pacific Resources	247,255	228,568	+8.2	2,277	729	+212.3
Hawaiian Electric	204,424	142,217	+43.7	15,074	14,651	+2.9
Hawaiian Telephone ²	157,214	144,545	+8.8	20,860	18,204	+14.6
Hawaii Corp. ³	143,453	105,929	+35.4	-8,436	-1,485	...
Amelco Corp. ⁴	95,965	108,514	-11.6	2,936	-2,651	...
Hawaiian Airlines	56,763	53,080	+6.9	444	2,339	...
Maui Land & Pine	39,674	36,252	+9.4	2,729	2,831	-3.6
Aloha Airlines	37,658	34,873	+8.0	921	2,071	-55.5

¹Minus sign (-) signifies net loss or decline.

²Wholly owned by General Telephone & Electronics.

³Preliminary data for calendar year. Fiscal year ends March 31.

⁴Preliminary data for calendar year. Fiscal year ends September 30.

Source: Kit Smith, "Amfac holds position as Isle's largest firm," *Sunday Star-Bulletin and Advertiser*, March 28, 1976, p. B-6.

COMMUNICATIONS, ENERGY, AND SCIENCE

This section presents statistics relating to postal services, telephones, telegraphs, radio, television, and newspapers; electrical, gas and petroleum power and energy; and scientific resources.

Hawaii is served by all communications media. The most recent statistics indicate 76 post offices, 568,000 telephones, 33 radio stations, 12 television stations, and seven daily newspapers. Island residents completed 1.15 billion local telephone calls, 5.35 million inter-island calls, and 10.70 million transpacific calls in 1975. The largest daily newspaper reported a paid circulation of 113,500.

Electricity sales exceeded 5.3 billion kilowatt-hours in 1975, or 7,400 per residential customer. The total has doubled since 1966. Manufactured gas sales reached 35.6 million therms in 1975, three-quarters above the figure ten years earlier.

The liquid fuel tax base for 1975 was approximately 839 million gallons, compared with 825 million in 1974 and 396 million in 1965. The 1975 total included 285 million gallons of gasoline, 462 million of aviation fuel, and 88 million of diesel oil.

The State is well served with scientific resources. A 1974 inventory reported 367 companies and agencies with research or scientific capabilities. Employment in these organizations was more than 31,600. Sixty-one patents were granted to Hawaii residents in 1975, the largest number on record.

Information on communications, energy and science can be obtained from reports and records of the U.S. Postal Service, U.S. Bureau of Mines, Federal Communications Commission, Federal Power Commission, Hawaii State Department of Taxation, Hawaii State Public Utilities Division, individual utility companies, and Audit Bureau of Circulations. Detailed statistics on energy consumption, with special emphasis on petroleum products, appear in *Energy Use in Hawaii*, published by the Department of Planning and Economic Development in 1974. *Hawaii's Scientific Resources, 1974-1975*, also issued by DPED in 1974, contains information on scientific organizations and facilities in the Islands. Data for the nation as a whole can be found in the *Statistical Abstract of the United States: 1975*, Section 18, 19, and 20.

Table 208.—POSTAL SERVICE: 1958 TO 1975

Year	Number of post offices ¹	Gross postal receipts (\$1,000) ²	Pieces of mail handled (millions) ²
1958 ³	88	(NA)	(NA)
1959.....	85	(NA)	(NA)
1960.....	83	7,732	127
1961.....	82	8,434	(NA)
1962.....	82	11,041	(NA)
1963.....	80	13,037	(NA)
1964.....	80	(NA)	(NA)
1965.....	80	13,692	144
1966.....	80	14,984	147
1967.....	80	15,881	149
1968.....	80	17,617	159
1969.....	80	20,178	172
1970.....	80	20,840	187
1971.....	80	21,976	201
1972 ⁴	78	23,434	215
1973.....	77	27,100	226
1974.....	76	29,663	233
1975.....	76	33,549	238

NA Not available.

¹As of June 30. Includes all 1st-, 2nd-, 3rd-, and 4th-class post offices; excludes branches and stations.

²Years ended June 30.

³For earlier years, see *The State of Hawaii Data Book 1974*, p. 193.

⁴Revised.

Source: *Annual Report of the Postmaster General* for 1958-1970; *Statistical Abstract of the United States* for 1960-1971; U.S. Post Office, San Francisco, records (for 1962-1963); U.S. Postal Service, Honolulu, records (for 1971 and later years).

Table 209.—TELEPHONE SERVICE: 1958 TO 1975

Year	Telephones in service, Dec. 31			Local calls completed (1,000)	Interisland calls		Transpacific calls	
	State total	Oahu	Other islands		Paid ¹	Completed	Paid, in and out ²	Hawaii originated
1958	176,750	143,189	33,561	353,990	352,181	375,032	326,669	197,089
1959	191,373	156,291	35,082	383,017	441,676	467,216	433,793	253,690
1960	208,411	171,793	36,618	413,908	512,404	538,317	516,527	303,334
1961	221,599	183,401	38,198	422,729	519,789	545,777	569,122	335,104
1962	233,680	193,570	40,110	434,132	573,789	605,138	702,428	403,051
1963	247,629	205,342	42,287	449,933	651,787	669,781	750,161	421,900
1964	265,793	220,939	44,854	470,097	794,060	808,729	926,424	523,803
1965	283,689	236,006	47,683	506,198	948,585	969,531	1,336,557	757,352
1966	302,506	251,505	51,001	539,632	1,129,492	1,153,375	1,687,105	957,163
1967	323,849	268,190	55,659	562,522	1,332,551	1,354,805	2,144,049	1,271,406
1968	352,196	291,317	60,879	585,071	1,624,206	1,649,734	2,594,151	1,558,008
1969	381,982	314,915	67,067	611,919	1,963,219	1,994,026	3,267,601	1,948,391
1970	414,165	339,952	74,213	631,543	2,288,320	2,317,727	3,753,449	2,257,208
1971 ³	445,995	365,733	80,262	667,542	2,569,758	2,607,521	4,476,130	2,517,860
1972	498,593	412,443	86,150	702,346	3,072,319	3,131,881	5,427,667	3,055,018
1973 ⁴	523,699	430,612	93,087	1,016,950	3,754,413	3,804,616	6,813,550	3,794,848
1974	544,718	444,359	100,359	1,078,658	4,494,314	4,564,049	8,619,719	4,775,288
1975	567,685	460,602	107,083	1,154,045	5,156,241	5,352,232	10,703,400	5,907,991

¹Excludes uncollectables.

²Includes calls paid in Hawaii and elsewhere.

³Defense Administrative Telephone System (DATS) taken over by Hawaiian Telephone Company in 1971. DATS telephones in service numbered 4,423 (all on Oahu) as of December 31, 1971.

⁴The sharp increase in completed local calls is attributable in part to a change in the method of estimation.

Source: Hawaiian Telephone Co., records.

Table 210.—TELEPHONE SERVICE, BY ISLAND: 1975

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu, except DATS ¹	DATS ¹	Kauai
Telephones in service ²	567,685	50,090	33,131	820	2,191	431,437	29,165	20,851
Residence main stations ²	250,319	22,034	15,431	575	1,317	201,471	...	9,491
Business main stations ²	64,522	5,427	3,844	103	310	37,405	15,052	2,381
Local calls:								
Originating ³	1,538,726,841	...	...	...	...	...	...	...
Completed ³	1,154,045,131	...	...	...	...	...	...	...
Interisland calls:								
Completed ⁴	5,352,232	1,167,859	999,302	...	...	2,613,949	...	571,122
Paid ³	5,156,241	...	...	...	...	...	...	...
Transpacific paid calls:								
Hawaii originating ⁴	5,907,991	331,733	390,562	...	...	5,016,952	...	168,744
Incoming and outgoing ³	10,703,400	...	...	...	...	...	...	...

¹Defense Agency Telephone Service, all on Oahu.

²As of December 31.

³Not available by island.

⁴Molokai and Lanai combined with Oahu.

Source: Hawaiian Telephone Company, records.

Table 211.—TELEGRAPH MESSAGES: 1970 TO 1975

Year	Total messages	From Hawaii to Mainland			From Mainland to Hawaii		
		Total from Hawaii	Originated in Hawaii	Originated elsewhere	Total to Hawaii	Originated on Mainland	Originated elsewhere
1970	567,550	266,811	198,830	67,981	300,739	236,106	64,633
1971	419,188	201,600	135,581	66,019	217,588	154,506	63,082
1972	392,596	189,214	122,792	66,422	203,382	141,682	61,700
1973	385,823	198,693	136,747	61,946	187,130	116,850	70,280
1974	382,281	185,204	100,321	84,883	197,077	125,319	71,758
1975	346,851	166,700	81,986	84,714	180,151	110,390	69,761

Source: Federal Communications Commission, Common Carrier Bureau, records.

Table 212.—PAID CIRCULATION OF DAILY AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 1958 TO 1975

Year	Honolulu Advertiser ¹	Honolulu Star-Bulletin ¹	Sunday Star-Bulletin and Advertiser ²	Hawaii Tribune-Herald ³	
				Daily	Sunday
1958	46,347	97,680	...	9,755	9,765
1959	51,424	102,929	...	9,895	10,021
1960	64,287	104,901	...	9,884	9,898
1961	70,097	104,212	...	10,421	10,433
1962	62,239	100,858	146,540	10,679	10,824
1963	59,391	102,195	141,202	10,826	10,910
1964	62,337	105,099	145,934	11,006	11,060
1965	64,435	107,976	152,156	11,136	11,265
1966	66,499	109,865	156,123	11,447	11,600
1967	67,550	112,182	160,147	10,944	11,124
1968	70,135	115,688	166,171	11,645	11,813
1969	71,835	119,148	168,034	12,473	12,706
1970	74,318	123,765	174,069	13,125	13,469
1971	74,441	124,601	177,929	13,851	14,167
1972	72,723	126,341	181,452	14,250	14,683
1973	74,799	129,561	187,648	15,669	16,045
1974	76,196	121,163	184,528	15,724	16,253
1975	71,937	113,541	179,790	15,843	16,560

¹Published daily, Monday through Saturday. Data are five-day averages through 1961 and six-day averages thereafter, for six-month periods ended September 30.

²First published in 1962, replacing the separate Sunday editions of the Advertiser and Star-Bulletin. The Sunday Advertiser reported average circulations of 77,279 in 1958, 86,289 in 1959, 81,400 in 1960, and 84,653 in 1961. The Sunday Star-Bulletin, first issued November 1, 1959, reported average circulations of 111,450 in 1960 and 113,498 in 1961. All data are averages for six-month periods ended September 30.

³Published daily. Data are averages for the fourth quarter (October through December) through 1972 and for six-month periods ended September 30 beginning in 1973.

Source: Audit Bureau of Circulations data supplied by the Hawaii Newspaper Agency, Inc., and the Hawaii Tribune-Herald.

Table 213.—COMMERCIAL AND EDUCATIONAL RADIO AND TELEVISION BROADCAST STATIONS ON THE AIR: 1958 TO 1976

Year (as of January 1)	Commercial			Educational	
	AM	FM	TV ¹	FM	TV ¹
1958	15	1	7	2	—
1959	15	1	7	2	—
1960	17	1	7	2	—
1961	18	1	8	1	—
1962	20	1	9	1	—
1963	20	1	10	1	—
1964	23	2	10	1	—
1965	23	2	10	—	—
1966	24	2	10	—	—
1967	25	2	10	—	2
1968	25	3	10	—	2
1969	25	4	10	—	2
1970	25	4	10	1	2
1971	25	4	10	1	2
1972	25	5	10	1	2
1973	24	5	10	1	2
1974	25	7	10	1	2
1975	26	5	10	1	2
1976	26	6	10	1	2

¹Includes satellites but excludes translators.

Source: Federal Communications Commission, records; FCC data cited in *Statistical Abstract of the United States, 1959-1970*.

Table 214.—TELEPHONE AVAILABILITY AND TELEVISION SETS IN OCCUPIED HOUSING UNITS, BY COUNTY: 1970

Subject	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
All occupied units	203,088	164,763	17,260	8,282	12,783
Telephone:					
Available	185,265	152,198	14,907	7,064	11,096
None	17,823	12,565	2,353	1,218	1,687
Number of television sets:					
One	143,288	114,351	13,101	6,376	9,460
Two or more	46,373	41,254	2,286	864	1,969
None	13,427	9,158	1,873	1,042	1,354

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1970*, Final Report HC(1)-B13, tables 32, 37, 62, and 63.

Table 215.—CABLE TELEVISION COMPANIES, 1961 TO 1975, AND SUBSCRIBERS, 1970 TO 1975
(As of December 31)

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Companies:					
1961-1962 ¹	1	1	—	—	—
1963	2	2	—	—	—
1964-1967	4	4	—	—	—
1968	5	4	—	—	1
1969-1970	6	5	—	—	1
1971-1972	7	5	—	1	1
1973	8	5	1	1	1
1974	10	5	3	1	1
1975	10	5	3	1	1
Subscribers:					
1970 ²	12,091	11,066	—	—	1,025
1971	13,718	12,581	—	37	1,100
1972	16,887	14,732	—	478	1,677
1973	21,826	18,315	501	950	2,060
1974	34,041	25,979	4,420	1,300	2,342
1975	54,609	43,172	7,019	1,500	2,918

¹The first CATV company in Hawaii, Kaiser-Teleprompter, began service April 20, 1961. State regulation of CATV was authorized by Act 112, S.L.H. 1970, effective June 19, 1970.

²Earliest year available.

Source: Hawaii State Department of Regulatory Agencies, CATV Division, records.

Table 216.—POSTAGE, TELEPHONE, AND TELEGRAPH RATES, AND NEWSPAPER PRICES: 1955 TO 1976
(In dollars)

Year (as of July 1)	Postage rates (letters, < 1 oz.)		Telephone rates (including tax) for Honolulu					Telegraph rate per full-rate word (non-coded)	Newspaper price ¹	
	Surface	Air	Local call, pay phone	To Hilo ²	To San Francisco		Monthly charge ³		Daily	Sunday
					Direct dialing ⁴	Operator handled ²				
1955	0.03	0.06	0.10	2.19	...	9.38	7.15	0.19	0.05	0.15
1960	0.04	0.07	0.10	1.93	...	6.60	8.42	0.21	0.10	0.15
1965	0.05	0.08	0.10	1.65	...	6.05	8.42	0.21	0.10	0.20
1970	0.06	0.10	0.10	0.99	...	4.29	9.90	0.21	0.10	0.25
1971	0.08	0.11	0.10	0.99	...	4.29	9.90	0.21	0.15	0.35
1972	0.08	0.11	0.10	0.99	4.29	4.29	10.12	0.21	0.15	0.35
1973	0.08	0.11	0.10	0.97	3.27	4.25	10.63	0.21	0.15	0.35
1974	0.10	0.13	0.10	0.97	2.59	3.40	10.53	0.21	0.20	0.45
1975	0.10	0.13	0.10	0.96	2.57	3.37	10.17	0.21	0.20	0.50
1976	0.13		0.10	0.95	2.54	3.34	10.07	0.21	0.20	0.50

¹Street sales, *Honolulu Advertiser* and *Honolulu Star-Bulletin*.

²Station-to-station operator-handled daytime calls, first three minutes.

³For an individual residential line.

⁴Daytime calls, first three minutes. Direct dialing was introduced January 16, 1972.

Source: Office of the Postmaster General, records; Hawaiian Telephone Co., records; Federal Communications Commission, records; newspaper mastheads.

Table 217.—ELECTRIC UTILITIES: 1958 TO 1975

Year	Customers, Dec. 31		1,000 KWH sold			Ave. ann. use (KWH)		Ave. rate (dollars/KWH)		Installed capacity (KW)
	Residential	Other	Total	Residential	Other	Residential	Other	Residential	Other	
1958	123,070	23,823	1,253,844	481,907	771,937	3,916	32,403	.031167	.023089	349,438
1959	127,336	24,602	1,422,145	519,222	902,923	4,078	36,701	.030240	.021664	469,343
1960	132,440	25,138	1,602,197	580,849	1,021,348	4,386	40,630	.029723	.021559	469,343
1961	136,788	25,664	1,766,031	624,730	1,141,301	4,567	44,471	.029057	.021015	527,708
1962	140,661	26,440	1,966,105	678,628	1,287,477	4,825	48,694	.028886	.020722	543,737
1963	144,638	27,194	2,077,570	730,317	1,347,254	5,049	49,542	.028389	.020609	628,312
1964	149,547	28,137	2,284,275	786,118	1,498,157	5,257	53,245	.027949	.020133	716,312
1965	154,822	28,901	2,445,024	853,086	1,591,939	5,510	55,082	.027569	.020072	731,395
1966	160,784	29,492	2,639,866	912,616	1,727,250	5,676	58,567	.027290	.019949	830,644
1967	166,256	30,161	2,832,468	989,785	1,842,684	5,953	61,109	.027039	.020037	829,157
1968	171,346	30,821	3,109,256	1,083,233	2,026,023	6,322	65,735	.026803	.020022	894,532
1969	178,569	31,761	3,426,052	1,174,502	2,251,550	6,577	70,890	.026548	.019647	896,271
1970	186,282	32,721	3,758,094	1,270,732	2,487,362	6,822	76,017	.026810	.020113	1,007,021
1971	193,043	33,471	4,167,127	1,375,308	2,791,819	7,124	83,410	.028229	.021493	1,016,350
1972	201,903	34,406	4,562,568	1,493,840	3,068,728	7,399	89,192	.02849	.02172	1,135,055
1973	210,740	35,515	4,867,850	1,581,855	3,285,995	7,506	92,524	.03077	.02367	1,266,600
1974	219,633	36,268	5,113,906	1,635,978	3,477,928	7,449	95,895	.03493	.02704	1,419,892
1975	226,836	36,980	5,334,755	1,676,438	3,658,317	7,391	98,927	.04586	.03794	1,454,359

Source: Hawaii State Public Utilities Division, *Historical Data, Gas and Electric Utilities, State of Hawaii, 1959 to 1968* (unpaged), and records.

**Table 218.—SERVICE PROVIDED BY HAWAIIAN ELECTRIC CO., INC., ON OAHU:
1958 TO 1975**

Year	Number of customers, December 31		Net input ¹ (1,000 KWH)	Power sold (1,000 KWH)	Average annual residential use (KWH)	Average residential rate (dollars per KWH)	Installed capacity (KW) 31 December
	Total	Residential only					
1958	106,455	90,185	1,136,279	1,054,934	4,392	0.02886	287,500
1959	111,378	94,287	1,304,572	1,204,880	4,574	0.02774	385,050
1960	117,227	99,377	1,468,461	1,370,880	4,920	0.02722	385,050
1961	121,668	103,376	1,626,950	1,518,184	5,085	0.02659	439,450
1962	125,866	107,008	1,798,338	1,693,763	5,349	0.02645	439,450
1963	130,228	110,729	1,923,930	1,799,824	5,588	0.02607	520,750
1964	135,352	115,000	2,102,472	1,972,110	5,803	0.02578	602,050
1965	140,904	119,883	2,238,936	2,107,709	6,058	0.02548	602,050
1966	146,465	124,929	2,431,363	2,282,968	6,234	0.02522	684,250
1967	151,554	129,591	2,645,853	2,480,323	6,510	0.02493	684,250
1968	156,386	133,884	2,914,104	2,727,627	6,915	0.02465	725,850
1969	162,439	139,271	3,201,353	3,004,187	7,222	0.02442	725,850
1970	168,531	144,854	3,494,059	3,275,673	7,478	0.02438	811,700
1971	174,300	150,285	3,844,325	3,600,728	7,776	0.02555	811,700
1972	180,794	156,249	4,175,342	3,942,679	8,108	0.02584	902,600
1973	187,321	162,180	4,407,460	4,189,397	8,191	0.02812	1,005,200
1974	194,043	168,525	4,641,204	4,393,616	8,110	0.03063	1,140,180
1975	198,598	172,839	4,793,015	4,555,118	7,999	0.04313	1,140,180

¹Net generated plus purchased power.

²Maximum generator nameplate.

Source: Hawaiian Electric Co., Inc., records.

Table 219.—ELECTRIC UTILITIES, BY ISLAND: 1975

Island	Customers, Dec. 31		1,000 KWH sold			Ave. ann. use (KWH)		Ave. rate (dollars/KWH)		Installed capacity (KW)
	Residen- tial	Other	Total	Residen- tial	Other	Residen- tial	Other	Residen- tial	Other	
State total	226,836	36,980	5,334,755	1,676,438	3,658,317	7,391	98,927	0.04586	0.03794	1,454,359
Oahu	172,839	25,759	4,555,119	1,366,666	3,188,453	7,907	123,780	0.04313	0.03488	1,209,400
Hawaii	23,557	5,129	333,101	139,015	194,086	5,901	37,841	0.05635	0.05353	124,300
Maui	17,372	3,396	274,607	105,058	169,549	6,048	49,926	0.05443	0.05756	72,890
Kauai	10,988	2,079	148,533	52,748	95,785	4,801	46,072	0.06735	0.06815	39,900
Molokai	1,407	440	17,769	9,396	8,373	6,678	19,029	0.06631	0.08967	7,869
Lanai	673	177	5,626	3,555	2,071	5,282	11,701	0.05889	0.07381	---

Source: Hawaii State Department of Regulatory Agencies, Public Utilities Commission, records.

Table 220.—GAS UTILITIES: 1958 TO 1975

(Data limited to Honolulu Gas Co., Ltd., and its successor organization, Gasco Inc. Excludes bottled gas.)

Year	Customers		Gas sold (1,000 therms)			Ave. ann. use (therms)		Average rate-(dollars per therm)	
	Residential	Other	Total	Residential	Other	Residential	Other	Residential	Other
1958	35,527	2,820	14,520	10,015	4,505	282	1,598	0.3674	0.2398
1959	35,826	2,657	14,869	10,018	4,851	280	1,826	0.3538	0.2246
1960	35,536	2,555	15,881	10,299	5,582	290	2,185	0.3619	0.2280
1961	35,857	2,227	16,790	10,502	6,289	293	2,824	0.3685	0.2263
1962	35,463	2,050	18,197	10,839	7,358	306	3,589	0.3679	0.2262
1963	35,034	1,874	18,914	10,775	8,139	308	4,343	0.3666	0.2238
1964	34,994	1,515	19,697	10,919	8,778	312	5,794	0.3639	0.2202
1965	34,775	1,428	20,397	11,016	9,381	317	6,570	0.3634	0.2186
1966	34,956	1,355	21,019	11,171	9,848	320	7,268	0.3626	0.2185
1967	35,000	1,382	22,547	11,348	11,198	324	8,103	0.3618	0.2179
1968	34,955	1,300	23,570	11,331	12,240	324	9,415	0.3618	0.2169
1969	34,829	1,305	25,649	11,848	13,801	340	10,576	0.3588	0.2156
1970	32,163	3,979	27,831	10,891	16,940	339	4,257	0.3619	0.2227
1971	32,072	4,081	30,445	9,279	21,167	289	5,187	0.3699	0.2308
1972	31,806	4,277	33,322	9,321	24,000	293	5,612	0.36843	0.22681
1973	31,142	4,639	34,540	8,931	25,609	287	5,520	0.37518	0.23121
1974	30,620	4,608	34,363	8,096	26,267	264	5,700	0.68361	0.52267
1975	30,236	4,449	35,594	8,230	27,364	272	6,151	0.81723	0.63583

Source: Hawaii State Public Utilities Division, *Historical Data, Gas and Electric Utilities, State of Hawaii 1959 to 1968* (unpaged), and records.

Table 221.—GAS UTILITY SERVICE BY GASCO, INC., FOR OAHU: 1960 TO 1975

Calendar year	Customers ¹		Gas sold (1,000 therms) ²		Average annual residential usage (therms) ²
	Total	Residential	Total	Residential	
1960	36,152	33,773	15,354	9,951	295
1961	35,942	33,724	16,210	9,981	296
1962	35,327	33,281	17,548	10,272	309
1963	34,761	32,892	18,249	10,192	310
1964	34,329	32,817	19,011	10,316	314
1965	34,040	32,615	19,711	10,409	319
1966	34,168	32,819	20,297	10,544	321
1967	34,237	32,862	21,708	10,701	326
1968	34,079	32,787	22,668	10,666	325
1969	33,908	32,611	24,659	11,102	340
1970	33,851	29,880	26,696	10,026	336
1971	33,691	29,621	29,082	8,290	280
1972	33,479	29,256	31,643	8,258	282
1973	33,142	28,813	32,610	8,041	279
1974	32,455	28,200	32,166	7,522	267
1975	31,856	27,778	32,885	7,600	274

¹As of December 31. Data for residential customers, 1960-1970, may include a few commercial accounts.

²Includes liquefied petroleum gas.

Source: Gasco, Inc., records.

Table 222.—GAS UTILITIES, BY ISLAND: 1975
(Excludes bottled gas)

Island	Customers		Gas sold (1,000 therms)			Ave. ann. use (therms)		Average rate (dollars per therm)	
	Residential	Other	Total	Residential	Other	Residential	Other	Residential	Other
State total	30,236	4,449	35,594	8,230	27,364	272	6,151	0.81723	0.63583
Oahu	27,782	4,073	32,885	7,605	25,280	274	6,207	0.83124	0.64706
Hawaii	1,888	321	2,293	482	1,811	255	5,642	0.65264	0.49177
Maui	345	55	360	87	273	253	4,970	0.60311	0.55159
Kauai	221	—	56	56	—	254	—	0.66579	—
Molokai	—	—	—	—	—	—	—	—	—
Lanai	—	—	—	—	—	—	—	—	—

Source: Hawaii State Department of Regulatory Agencies, Public Utilities Division, records.

Table 223.—TYPICAL RESIDENTIAL UTILITY MONTHLY RATES, BY ISLAND: JANUARY 1976

Utility and usage	Oahu	Hawaii ¹	Kauai	Maui	Molokai	Lanai
Water:						
¾-inch meter, 5,000 gallons	5.90	3.75	5.50	4.05	4.05	3.55
¾-inch meter, 10,000 gallons	7.25	5.75	8.00	6.10	6.10	5.25
¾-inch meter, 20,000 gallons	9.95	9.75	13.00	10.20	10.20	8.65
1½-inch meter, 50,000 gallons	23.10	24.00	35.00	26.25	26.25	22.00
Electricity:						
100 kilowatt-hours	7.73	10.34	10.33	8.84	12.04	9.75
250 kilowatt-hours	14.51	18.35	20.65	17.05	21.33	18.67
500 kilowatt-hours	23.61	28.70	35.65	28.53	34.80	31.33
Gas:						
10 therms	10.08	6.55	6.33	5.43	—	—
25 therms	20.68	12.74	13.02	11.22	—	—
50 therms	38.30	22.31	23.89	20.59	—	—
100 therms	74.00	41.76	45.84	39.54	—	—
Telephone:²						
Individual line	9.50	8.50	8.10	8.10	6.95	6.25
Two-party line	7.80	7.15	6.85	6.85	5.90	5.35

¹Water rates are those for North and South Hilo, North and South Kohala, and Ka'u. For North and South Kona, add 16¢ per 1,000 gal.; for Puna and Hamakua, 4¢ per 1,000 gal.

²Plus 6 percent Federal excise tax.

Source: Hawaii State Public Utilities Commission; Honolulu Board of Water Supply; Hawaii County Department of Water Supply; Kauai County Department of Water; Maui County Department of Water Supply; Lanai Company, Inc.

Table 224.—BOILERS AND PRESSURE VESSELS: DECEMBER 31, 1975

Island	Power boilers	Heating boilers	Pressure vessels ¹
State total	662	2,185	3,220
Hawaii	95	234	547
Maui	56	145	272
Lanai	3	2	26
Molokai	4	12	23
Oahu	459	1,684	2,145
Kauai	45	108	207

¹Five cubic feet or more.

Source: Hawaii State Department of Labor and Industrial Relations, Division of Occupational Safety and Health, records.

Table 225.—LIQUID FUEL TAX BASE: 1958 TO 1975
(In thousands of gallons)

Year reported ¹	All types	Gasoline	Diesel oil ²		Liq. pet. gas ²		Aviation fuel	Small boats	
			Non-hwy.	Hwy. use	Off-hwy.	Hwy. use		Gasoline	Diesel oil
1958 ³	186,508	118,939	19,758	3,002	...	...	41,031	3,778	
1959	208,925	127,845	26,228	3,683	...	...	49,454	1,715	
1960	250,499	138,219	28,134	3,898	...	...	78,890	1,358	
1961	278,428	143,621	31,894	3,783	...	...	97,500	1,629	
1962	299,317	148,934	31,681	4,020	328	108	112,752	233	1,261
1963	317,948	152,347	34,527	4,141	361	101	124,880	248	1,344
1964	357,859	160,786	38,562	4,578	383	115	151,911	278	1,247
1965	395,595	169,670	38,587	5,193	367	119	180,052	251	1,356
1966	481,361	177,627	40,039	5,506	414	122	256,175	238	1,241
1967	572,354	188,717	39,569	5,511	457	139	336,359	250	1,351
1968	619,803	197,663	41,213	6,566	781	253	371,686	227	1,415
1969	743,255	223,088	49,147	7,703	674	242	460,753	226	1,424
1970	754,632	235,178	58,129	8,029	814	274	450,474	214	1,519
1971	809,628	250,191	57,405	8,852	1,044	579	489,767	231	1,559
1972	827,825	261,452	65,163	9,523	1,231	702	487,743	264	1,747
1973	882,932	281,122	74,608	11,159	1,909	453	511,502	280	1,899
1974	824,653	270,267	75,124	11,539	2,093	789	463,728	312	801
1975	839,289	284,552	75,120	12,710	1,823	1,380	462,384	411	908

¹Liquid fuel sold in a given month is usually reported the following month. Annual totals accordingly refer to fuel sold in a 12-month period ended November 30.

²Liquefied petroleum gas was reported with diesel oil before 1962.

³Because of an accounting error, one large supplier misreported large quantities of non-highway diesel oil as fuel for small boats in 1958.

Source: Hawaii State Department of Taxation, "Tax Base for Certain Taxes," "Comparison of Liquid Fuel Tax Collections & Distribution for Two Years," and "Liquid Fuel Tax Base and Tax Collections" (annual reports).

Table 226.—DOMESTIC DEMAND FOR PETROLEUM PRODUCTS: 1972 AND 1973
(Barrels daily)

Item	Total		Military ¹		All other	
	1972	1973	1972	1973	1972	1973
Total petroleum	90,480	93,025	2,671	3,460	87,809	89,565
Liquefied gases	1,249	1,334	—	—	1,249	1,334
Fuel uses	1,249	1,334	—	—	1,249	1,334
Other	—	—	—	—	—	—
Gasoline	17,333	18,058	707	726	16,626	17,332
Motor	17,161	17,874	699	718	16,462	17,156
Aviation	172	184	8	8	164	176
Spec. naphthas, solvents	107	101	—	—	107	101
Jet fuel	32,688	33,778	1,612	2,471	31,076	31,307
Naphtha-type	1,825	2,507	1,601	2,466	224	41
Kerosene-type	30,863	31,271	11	5	30,852	31,266
Kerosene	82	85	5	8	77	77
Distillate fuel oil	5,415	5,742	347	255	5,068	5,487
Lubricating oils, greases	284	263	—	—	284	263
Residual fuel oil	31,735	31,907	—	—	31,735	31,907
Asphalt and road oil	940	1,044	—	—	940	1,044
All other finished and unfinished oils	16	58	—	—	16	58
Still gas	631	655	—	—	631	655

¹Excludes imports and direct shipments.

Source: U.S. Bureau of Mines, "Crude Petroleum, Petroleum Products, and Natural Gas Liquids in P.A.D. District V, Year 1973," *Mineral Industry Surveys*, February 19, 1975, pp. 3-4.

Table 227.—ENERGY CONSUMPTION, BY TYPE AND CONSUMING SECTOR: 1960 TO 1972
(In trillion British thermal units)

Year	Gross consumption								Utility electricity distributed	Net consumption
	Total gross consumption	By energy type ¹		By consuming sector						
		Petroleum products	Hydro-power	Household and commercial	Industrial	Transportation ²	Electric power	Miscellaneous ²		
1960	76.1	75.9	0.2	1.4	8.7	41.8	23.1	1.1	6.2	59.2
1961	94.5	94.3	0.2	3.5	11.5	54.3	24.3	0.9	6.9	77.1
1962	86.0	85.8	0.2	4.2	10.1	43.5	26.1	2.1	7.4	67.3
1963	93.4	93.1	0.3	4.2	9.2	49.9	27.7	2.4	7.8	73.5
1964	103.7	103.3	0.4	3.7	10.4	57.1	30.4	2.1	8.6	81.9
1965	109.6	109.3	0.3	4.1	10.5	60.7	30.9	3.4	9.2	87.9
1966	122.0	121.7	0.3	4.0	10.8	70.5	33.2	3.5	9.9	98.7
1967	135.1	134.8	0.3	4.0	7.5	81.6	31.4	10.6	10.6	114.3
1968	152.1	151.9	0.2	5.1	11.3	97.5	34.6	3.6	11.7	129.2
1969	163.3	163.0	0.3	6.5	13.4	103.7	38.5	1.2	12.9	137.7
1970	169.9	169.7	0.2	7.9	14.0	104.0	43.0	1.0	14.1	141.0
1971	180.7	180.5	0.2	6.7	12.8	113.3	47.5	0.4	15.6	148.8
1972	186.3	186.1	0.2	6.2	13.3	111.6	52.8	2.4	17.3	150.8

¹No consumption of anthracite, bituminous coal and lignite, natural gas, or nuclear power was recorded in this period.

²Highway use of distillate fuel oil included in "miscellaneous" in 1967.

Source follows next table.

Table 228.—PETROLEUM CONSUMPTION, BY TYPE AND CONSUMING SECTOR: 1962, 1971 AND 1972

Petroleum product and consuming sector	Thousand barrels			Trillion British thermal units		
	1962	1971	1972	1962	1971	1972
Total	14,730	31,269	32,219	85.8	180.5	186.1
Type of petroleum:						
Gasoline	4,581	5,903	6,363	24.0	31.0	33.4
Jet fuel	1,371	11,685	11,582	7.8	66.3	65.7
Kerosene	55	80	52	0.3	0.5	0.3
Distillate fuel oil	1,641	1,706	1,622	9.5	10.0	9.4
Residual fuel oil	6,716	10,631	11,316	42.2	66.8	71.2
Liquefied petroleum gases	171	964	945	0.7	3.9	3.8
Asphalt	195	300	339	1.3	2.0	2.3
Consuming sector:						
Household and commercial	707	1,285	1,167	4.2	6.7	6.2
Industrial	1,673	2,178	2,285	10.1	12.8	13.3
Transportation	7,874	20,210	20,008	43.5	113.3	111.6
Electric power	4,129	7,534	8,371	25.9	47.3	52.6
Miscellaneous	347	62	388	2.1	0.4	2.4

Source of tables 227 and 228: U.S. Bureau of Mines, *Historical Fuels and Energy Consumption Data, 1960-72, United States by States and Census Districts West of the Mississippi*, by L. H. Crump (Information Circular 8705, 1976), pp. 72-77.

Table 229.—SCIENTIFIC RESOURCES: 1972 AND 1974

Type of organization	Number of companies or agencies		Total employment		Professional employment		Technical employment *	
	1974	1972	1974	1972	1974	1972	1974	1972
Total employing organizations . . .	367	346	31,624	25,268	7,181	7,206	9,966	5,216
Organizations with scientific capabilities	91	75	16,878	8,842	2,703	2,043	6,076	1,017
Computer sciences	57	46	2,969	2,022	888	765	1,212	697
R & D and allied companies	43	41	1,712	4,992	527	1,215	394	1,335
Testing laboratories	26	26	972	911	272	483	243	208
Private research agencies	35	40	775	738	299	331	114	129
Government agencies	115	118	8,318	7,763	2,492	2,369	1,927	1,830
Federal	23	23	1,432	1,518	282	413	697	775
Military	10	10	668	642	178	167	188	184
State, except U.H.	34	37	2,588	2,539	919	820	500	352
University of Hawaii	32	34	1,374	1,322	690	646	250	286
County	16	14	2,256	1,742	423	323	292	233
Subject	1974	1972	Subject		1974	1972		
Professional associations:			Colleges and universities:					
Number of associations	49	43	Number of units		32	32		
Regular membership	11,901	11,182	Full-time enrollment ¹		37,687	34,276		
Associate membership	620	555	Part-time enrollment ¹		49,619	46,215		
Scientific libraries:			Business and technical schools:					
Number of libraries	21	22	Number of units		4	5		
Scientific books	680,769	682,042	Full-time enrollment		1,225	1,550		
			Part-time enrollment		50	305		

¹Because of different enrollment definitions, these data are not comparable to those in Section 3.

Source: Hawaii State Department of Planning and Economic Development, *Hawaii's Scientific Resources, 1974-1975 Directory*, 7th edition (1974), p. 5.

Table 230.—PATENTS GRANTED TO HAWAII RESIDENTS: 1959 TO 1975

Year	Patents	Year	Patents	Year	Patents
1959	20	1965	13	1971	37
1960	13	1966	26	1972	26
1961	26	1967	20	1973	50
1962	28	1968	22	1974 ¹	55
1963	20	1969	41	1975 ¹	61
1964	20	1970	50		

¹Fiscal year. Includes reissues.

Source: *Annual Report of the Commissioner of Patents* (annual).

SECTION 17

TRANSPORTATION

This section presents statistics relating to public roads, motor vehicles, local public transit, civil aviation, and water traffic.

Most local travel in Hawaii is by private automobile. Motor vehicle registration increased from 309,000 in 1965 to 404,000 in 1970 and 500,000 in 1975. Vehicle miles rose during the same period from 2.45 billion to 4.15 billion. Hawaii residents purchased 30,900 new passenger cars in 1974 and scrapped or shipped out approximately 24,000. By the end of 1975, 531,000 licensed drivers had access to 3,743 miles of streets and highways throughout the State. There was a corresponding rise in the use of local bus service: revenue passengers of the Honolulu Mass Transit Lines increased from 19.4 million in 1971 to 58.3 million in 1975. Registered bicycles numbered 34,530 in 1970 and 99,910 in 1975.

Most scheduled interisland travel is now by air. As recently as 1941, interisland steamers carried 163,000 passengers, while the single airline then operating carried 49,000. Interisland steamer service was discontinued in 1949, but in 1975 hydrofoil service was initiated between Honolulu and other Island ports. In 1975, the two scheduled airlines and a number of air taxis reported 5.3 million interisland passengers, more than three times their 1965 total. The State has 12 commercial airports, 45 general aviation, military, or private airports, 2,956 active pilots, and 324 active civil aircraft.

Rapid growth is similarly evident in transpacific travel. Although surface passenger arrivals dropped from 54,000 in 1959 to 6,000 in 1975, air passengers increased during the same 16-year span from 224,000 to 3.2 million. Between 1936 and 1976, sharp declines occurred in both scheduled flight time between California and Hawaii (from 20 to 5 hours) and minimum roundtrip fare (from \$712 to \$239). Overseas cargo received in the State in 1974 amounted to 48,000 tons by air and 8.6 million tons by ship.

Undocumented State-registered vessels as of December 31, 1975, numbered 12,956, compared with 7,045 in 1965. Median length was 16 feet, and four-fifths were stored on land. There were also 797 documented vessels in the State in 1975, more than double the 1965 total.

The chief source for transportation statistics is the Hawaii State Department of Transportation and its Highways, Harbors, and Airports Divisions. Other sources include the U.S. Coast Guard, Federal Aviation Administration, Army Corps of Engineers, Hawaii State Public Utilities Commission, Honolulu Department of Transportation Services, Cardinal Mailing Services, and individual transportation companies. Similar statistics for other areas are reported in *Statistical Abstract of the United States: 1975*, Sections 21 and 22.

**Table 231.—MILEAGE OF STREETS AND HIGHWAYS, PAVED AND UNPAVED:
1961 TO 1975**

(Excludes military and private thoroughfares)

Year (December 31)	Total	Paved	Unpaved
1961	3,119.75	2,910.75	209.00
1962	3,159.89	2,943.89	216.00
1963	3,183.50	2,997.90	187.60
1964	3,247.10	3,064.40	182.70
1965	3,308.56	3,129.56	179.00
1966	3,372.96	3,193.96	179.00
1967	3,401.52	3,222.62	178.90
1968	3,442.43	3,258.53	183.90
1969	3,511.60	3,325.60	186.00
1970 ¹	3,529.10	3,047.10	482.00
1971	3,598.95	3,098.51	500.44
1972	3,611.48	3,117.38	494.10
1973	3,665.84	3,171.58	494.26
1974	3,659.44	3,269.83	389.61
1975	3,743.44	3,354.59	388.85
ISLANDS: 1975			
Hawaii	1,428.06	1,219.22	208.84
Maui	568.92	474.28	94.64
Lanai	45.76	31.76	14.00
Molokai	124.54	112.54	12.00
Oahu	1,252.74	1,216.48	36.26
Kauai	323.42	300.31	23.11
Niihau	—	—	—

¹ Includes 284.00 miles reclassified from "paved" to "unpaved".

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

Table 232.—SIGNALIZED INTERSECTIONS, PUBLIC OFF-STREET PARKING SPACES, AND PARKING METERS: DECEMBER 31, 1975

Island	Signalized intersections			Public off-street parking spaces	Parking meters in use ¹
	Total	Under State control	Under County control		
State total	469	192	277	3,177	3,538
Hawaii	18	1	17	400	600
Maui	11	11	—	342	—
Lanai	—	—	—	—	—
Molokai	—	—	—	—	—
Oahu	435	180	255	2,435	2,938
Kauai	5	—	5	—	—

¹Excludes off-street meters.

Source: Hawaii State Department of Transportation, Highways Division; City and County of Honolulu Department of Transportation Services; Departments of Public Works of the Counties of Hawaii, Kauai, and Maui.

Table 233.—MOTOR VEHICLE REGISTRATION, FUEL CONSUMPTION, AND VEHICLE MILES: 1958 TO 1975

Year	Motor vehicle registration ¹			Highway fuel consumption ²		Vehicle miles of travel ³	
	Total	Passenger cars	Other motor vehicles ⁴	Total (1,000 gallons)	Gallons per vehicle	Total (millions)	Per vehicle
1958	202,434	173,744	28,690	121,940	602	1,707.2	8,433
1959	213,808	184,076	29,732	131,528	615	1,841.4	8,612
1960	230,791	199,829	30,962	142,117	616	1,989.6	8,624
1961	244,898	212,650	32,248	147,404	602	2,063.7	8,428
1962	257,215	225,086	32,129	153,061	595	2,142.9	8,330
1963	270,176	237,422	32,754	156,588	580	2,192.3	8,120
1964	288,452	254,249	34,203	165,479	574	2,316.7	8,036
1965	309,331	273,559	35,772	174,982	566	2,449.8	7,924
1966	323,843	286,836	37,007	183,255	566	2,565.6	7,922
1967	335,326	297,766	37,560	194,368	580	2,721.1	8,114
1968	353,888	315,024	38,864	209,597	592	2,934.4	8,292
1969	373,541	332,213	41,328	225,917	605	3,162.8	8,467
1970	404,463	358,255	46,208	243,482	602	3,408.9	8,428
1971	425,210	375,205	50,005	261,476	615	3,660.7	8,609
1972	446,355	392,179	54,176	268,407	601	3,757.7	8,414
1973	476,759	416,663	60,096	289,847	608	4,057.9	8,511
1974 ⁵	487,647	423,642	64,005	279,996	574	3,919.9	8,038
1975 ⁵	500,585	434,088	66,497	296,160	592	4,146.2	8,283

¹Taxable and non-taxable. Excludes military vehicles, motorcycles, motor scooters, trailers, and semi-trailers.

²Includes gasoline, diesel oil, and butane gas.

³Based on an average of 14 miles per gallon.

⁴Ambulances and hearses, buses, trucks, and tractor-trucks.

⁵Adjusted to include vehicles operated by members of the armed forces in Hawaii but registered elsewhere.

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

Table 234.—VEHICLE REGISTRATION AND USE AND DRIVERS LICENSES IN FORCE, BY COUNTIES: 1974
(Revised)

Subject	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Motor vehicles registered, total ¹	487,647	375,440	50,626	22,560	39,021
Passenger cars	423,642	333,954	39,845	18,286	31,557
Ambulances and hearses	95	58	14	6	17
Buses	1,936	1,430	218	132	156
Trucks	60,135	38,843	10,154	4,019	7,119
Tractor-trucks	1,773	1,096	395	110	172
Other motor vehicles	66	59	—	7	—
Other vehicles registered: ¹					
Trailers and semi-trailers	15,629	9,727	2,754	1,548	1,600
Motorcycles and motor scooters	10,246	8,268	784	365	829
Highway fuel consumption (1,000 gal.)	279,996	216,837	30,455	11,979	20,725
Per motor vehicle (gallons)	574	578	602	531	531
Vehicle miles (millions)	3,919.9	3,035.7	426.4	167.7	290.1
Per vehicle (miles)	8,038	8,086	8,422	7,433	7,436
Drivers licenses in force, Dec. 31	508,774	409,626	43,861	20,292	34,495

¹Taxable and non-taxable. Includes vehicles operated by members of the armed forces in Hawaii but registered elsewhere.
Source: Hawaii State Department of Transportation, Highways Division, records.

Table 235.—VEHICLE REGISTRATION AND USE AND DRIVERS LICENSES IN FORCE, BY COUNTIES: 1975

Subject	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Motor vehicles registered, total ¹	500,585	381,999	52,919	23,901	41,766
Passenger cars	434,088	339,729	41,533	19,194	33,632
Ambulances and hearses	98	63	14	5	16
Buses	2,264	1,695	250	158	161
Trucks	62,203	39,326	10,693	4,432	7,752
Tractor-trucks	1,878	1,132	429	112	205
Other motor vehicles	54	54	—	—	—
Other vehicles registered: ¹					
Trailers and semi-trailers	15,853	9,640	2,964	1,679	1,570
Motorcycles and motor scooters	8,569	7,103	569	203	694
Highway fuel consumption (1,000 gal.)	296,160	226,427	33,129	12,927	23,677
Per motor vehicle (gallons)	592	593	626	541	567
Vehicle miles (millions)	4,146.2	3,169.9	463.8	181.0	331.5
Per vehicle (miles)	8,283	8,298	8,764	7,574	7,938
Drivers licenses in force, Dec. 31	531,375	425,370	46,891	22,153	36,961

¹Taxable and non-taxable. Includes vehicles operated by members of the armed forces in Hawaii but registered elsewhere.
Source: Hawaii State Department of Transportation, Highways Division, records.

Table 236.—TAXIS, BY COUNTY: 1960 TO 1975

Year (Dec. 31)	State total	City and Co. of Honolulu	County of Hawaii	County of Kauai	County of Maui			
					County total	Lanai	Maui	Molokai
1960 ¹	1,438	1,327	111	...	...	...	...	...
1970	1,567	1,434	57	28	48	2	42	4
1973	1,847	1,680	56	26	85	2	77	6
1974	1,802	1,612	55	24	111	2	101	8
1975	1,683	1,487	55	31	110	...	...	...

¹State total excludes Kauai and Maui Counties, not available for 1960. For a variant State total for 1960, and also data for 1939, 1948, 1952, 1958 and 1959, see Harry T. Oshima and Mitsuo Ono, *Hawaii's Income and Expenditures, 1958, 1959, and 1960*, Vol. III (University of Hawaii, Economic Research Center, January 1965), p. IX-48.

Source: County departments of finance, records.

Table 237.—REGISTERED BICYCLES, BY COUNTIES: 1960 TO 1975

Year	State total ¹	City and County of Honolulu	County of Hawaii	County of Kauai ²	County of Maui ³
1960.....	25,880	20,821	2,227	...	2,832
1965.....	28,085	22,283	2,857	...	2,945
1970.....	34,530	28,749	2,489	...	3,292
1971.....	52,485	44,159	2,735	2,141	3,450
1972.....	79,188	68,620	3,766	2,729	4,073
1973.....	91,052	79,177	3,947	3,049	4,879
1974.....	107,826	91,504	6,118	4,034	6,170
1975.....	99,910	85,976	4,927	3,693	5,314

¹Excludes Kauai before 1971.

²Records before 1971 lost in fire.

³Includes Maui, Molokai, and Lanai.

Source: Compiled by Hawaii State Department of Planning and Economic Development from County Finance Departments.

Table 238.—AUTOMOBILES AVAILABLE AND MEANS OF TRANSPORTATION TO WORK: 1960 AND 1970

Number of automobiles available	Households		Means of transportation to work	Workers	
	1970	1960		1970	1960
All households	203,089	153,012	All workers ¹	327,310	248,406
None	22,170	25,871	Private automobile, driver	213,521	} 156,992
One	93,854	88,320	Private automobile, passenger	44,493	
Two	69,343	32,577	Bus	19,470	20,039
Three or more	17,722	6,244	Walked only	33,003	22,214
			Other means	11,296	10,173
Percent, two or more	42.9	25.4	Worked at home	5,527	32,843

¹Includes not reported (6,145 in 1960).

Source: *U.S. Census of Housing: 1960*, Final Report HC(1)-13, table 6; *U.S. Census of Population: 1960*, Final Report PC(1)-13C, table 64; *U.S. Census of Housing: 1970*, Final Report HC(1)-B13, table 36; *U.S. Census of Population: 1970*, Final Report PC(1)-C13, table 50.

**Table 239.—COMPONENTS OF CHANGE IN PASSENGER MOTOR VEHICLE REGISTRATION:
1963 TO 1975**

Year	Number of passenger cars			Out-shipments of automobiles and auto parts (tons) ²
	Net increase ¹	New registrations	Scrapped or shipped out	
1963.....	12,336	19,442	7,106	14,693
1964.....	16,827	23,898	7,071	18,024
1965.....	19,310	27,431	8,121	11,676
1966.....	13,277	28,502	15,225	11,861
1967.....	10,930	28,608	17,678	8,662
1968.....	17,258	33,917	16,659	9,260
1969.....	17,189	39,148	21,959	9,212
1970.....	26,042	36,627	10,585	11,050
1971.....	16,950	35,984	19,034	16,157
1972.....	16,974	37,484	20,510	14,394
1973.....	24,484	41,919	17,435	16,420
1974.....	6,979	30,932	23,953	31,423
1975.....	10,446	33,693	23,247	(NA)

NA Not available.

¹From previous registration year.

²Excludes parts before 1965.

Source: Net increase from Hawaii State Department of Transportation, Highways Division, records; new registrations from Federal Reserve Bank of San Francisco, *Western Economic Indicators* (monthly); outshipment tonnage from U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States* (annual); vehicles scrapped or shipped out computed as residual.

Table 240.—NEW MOTOR VEHICLE REGISTRATIONS, BY COUNTY: 1975

Kind of motor vehicle	State total	City & Co. of Honolulu	Hawaii County	Kauai County	Maui County
Passenger cars	35,450	28,199	3,480	1,066	2,705
Domestic	19,089	14,519	2,119	635	1,816
Chevrolet	4,250	3,075	609	148	418
Dodge	2,488	1,555	476	159	298
Ford	5,114	3,983	519	138	474
Plymouth	1,491	1,190	83	43	175
Pontiac	864	776	39	29	20
Other makes	4,882	3,940	393	118	431
Foreign	16,361	13,680	1,361	431	889
Datsun	3,402	2,673	125	141	463
Toyota	5,784	4,656	884	104	140
Volkswagen	3,208	2,613	208	143	244
Other makes	3,967	3,738	144	43	42
Trucks	5,053	3,100	901	391	661
Domestic	3,668	2,226	693	262	487
Foreign	1,385	874	208	129	174

Source: Motor Vehicle Registrations—Hawaii, A Division of Cardinal Mailing Services, Ltd., monthly tabulations.

**Table 241.—MOTOR VEHICLE DEATHS AND TRAFFIC DEATHS, INJURIES, AND MAJOR ACCIDENTS:
1959 TO 1975**

Year	Motor vehicle deaths ¹	Traffic deaths	Traffic injuries	Major traffic accidents ²
1959.....	96	78	4,176	6,202
1960.....	117	96	4,754	7,254
1961.....	98	81	5,273	7,785
1962.....	95	85	5,525	8,104
1963.....	101	86	5,726	7,862
1964.....	109	97	7,023	8,720
1965.....	111	99	7,493	9,495
1966.....	131	116	8,051	10,225
1967.....	149	138	8,707	11,529
1968.....	169	147	10,082	13,989
1969.....	153	133	10,603	16,174
1970.....	165	153	11,743	18,172
1971.....	172	154	10,934	18,048
1972.....	156	146	11,141	18,259
1973.....	148	136	11,860	19,544
1974.....	142	129	10,022	14,855
1975.....	(NA)	146	10,554	13,895

¹Traffic and non-traffic deaths combined, on a place of occurrence basis. Non-traffic motor vehicle deaths include those occurring on military bases and private property.

²Traffic accidents with damage of \$100 or more (\$300 or more effective July 1, 1974) or causing injury or death.

Source: Hawaii State Department of Transportation, Highways Division, *Major Traffic Accidents* (annual) and records; Hawaii State Department of Health, records.

Table 242.—BUS SERVICE, FOR OAHU: 1955 TO 1975

(Data refer to service provided by Honolulu Rapid Transit Co., Ltd., 1955-1970, and by Mass Transit Lines beginning in 1971.)

Year	Buses, Dec. 31	Trolley coaches, Dec. 31	Revenue passengers	Year	Buses, Dec. 31	Revenue passengers	Year	Buses, Dec. 31	Revenue passengers
1955	123	85	29,658,374	1960	198	29,083,700	1965	176	23,190,704
1956	123	85	29,900,409	1961	193	26,116,687	1966	146	23,694,206
1957	198	—	29,786,647	1962	186	24,530,398	1967 ¹	146	18,301,341
1958	198	—	29,350,543	1963	198	22,922,296	1968	143	23,514,205
1959	198	—	29,336,610	1964	202	22,945,470	1969	141	24,079,233

Year	Buses, Dec. 31	Bus mileage ²	Passengers								
			Total	Adults	Students	Revenue transfers	Stadium express	Chartered service ³	Senior citizens	School subsidy	Free transfers
1970 ⁴	141	4,611,357	30,434,906	20,667,713	2,866,354	—	—	159,480	—	—	6,741,359
1971 ⁵	108	2,986,724	19,413,259	12,845,695	1,855,745	—	—	—	1,994,747	41,658	2,675,414
1972 ⁶	143	4,964,044	31,031,764	16,572,443	5,459,399	93,225	—	21,935	3,614,840	81,108	5,188,814
1973 ⁷	315	7,973,393	36,741,009	18,791,719	7,044,095	293,682	—	31,653	4,163,482	77,926	6,338,452
1974 ⁸	333	11,670,774	50,519,626	25,348,211	10,418,417	107,035	—	35,593	5,521,982	87,236	9,001,152
1975	350	13,328,501	58,295,732	28,466,844	12,691,968	—	7,106	48,079	7,033,193	95,488	9,953,054

¹Service suspended during 48-day strike, March-May 1967.

²Includes mileage for regular public bus lines, school subsidies, and chartered services.

³Under HRT, chartered services were provided for both public and private groups, including special events, excursions and field trips. Under MTL, service is provided for intercity functions.

⁴Passenger total excludes 2,277,502 zone fares; total revenue passengers (adult, student, and chartered) numbered 23,693,547. Under HRT, service was limited largely to Honolulu and Halawa. Service was suspended during a one-day strike in August 1970.

⁵Bus service by HRT was terminated by a strike that began January 1, 1971 and is still in progress. MTL commenced service on March 1, 1971, with routes extending from Kalihi to Hawaii Kai.

⁶Service provided from Pearl Harbor to Hawaii Kai; extended to Windward Oahu and North Shore on August 13, 1972.

⁷Service extended to Waianae coast in April 1973.

⁸Islandwide service after March 15, 1974, when MTL began operation of Leeward Bus Company lines.

Source: Honolulu Rapid Transit Co., Ltd., records; Public Utilities Commission, records; City and County of Honolulu, Department of Transportation Services, Bus Systems Division, records.

Table 243.—STEAM RAILROAD MILEAGE AND PASSENGERS: 1970 TO 1975

Calendar year	Miles of track	Passengers
1970 ¹	6	341,882
1971	6	
1972 ²	6	(NA)
1973 ³	6	35,079
1974	6	62,619
1975	6	70,974

NA Not available

¹The Lahaina, Kaanapali & Pacific Railroad commenced service on May 10, 1970. Previously, rail passenger service had been available on Maui until 1936, Hawaii until 1946, and Oahu until 1947.

²Service suspended October 10, 1972–June 29, 1973.

³Service resumed June 30, 1973.

Source: Lahaina, Kaanapali & Pacific Railroad, records.

Table 244.—INTERISLAND AND TRANSPACIFIC REVENUE PASSENGERS, BY MODE OF TRAVEL: 1958 TO 1975

Year	Interisland passengers		Transpacific passengers				
	Surface arrivals ¹	Air arrivals ²	Surface ³		Air ⁴		
			Arrivals	Departures	Arrivals	Departures	Through
1958	—	635,659	50,061	45,604	164,592	168,724	79,884
1959	—	819,548	53,723	46,314	224,449	220,682	90,127
1960	—	955,610	43,862	37,041	367,513	373,672	44,404
1961	—	939,336	35,700	32,402	422,657	443,686	59,729
1962	—	979,756	36,781	30,144	508,025	501,499	74,552
1963	—	1,144,265	35,136	27,624	595,350	593,917	106,473
1964	—	1,340,996	30,738	25,439	706,821	694,711	114,727
1965	—	1,538,392	29,868	24,122	833,415	828,967	131,873
1966	—	1,754,970	29,612	24,899	1,000,687	973,158	151,634
1967	—	2,117,557	28,830	24,046	1,285,210	1,252,700	162,119
1968	—	2,347,949	26,603	22,496	1,358,335	1,307,447	183,864
1969	—	2,724,622	24,089	21,339	1,766,720	1,769,087	270,340
1970	—	2,992,777	13,267	13,699	2,190,809	2,158,577	893,890
1971	—	3,380,031	8,943	8,024	2,296,119	2,304,570	729,237
1972	—	4,093,338	10,725	8,820	2,540,472	2,550,199	733,362
1973	—	4,809,097	9,742	7,585	2,866,003	2,913,446	870,378
1974	—	5,174,914	5,756	5,975	3,009,769	2,964,992	885,122
1975	71,807	5,321,616	5,795	5,284	3,181,580	3,134,774	956,576

¹Scheduled interisland passenger service was discontinued in 1949 and resumed in 1975.

²Includes air taxis in all years and nonrevenue passengers beginning in 1970.

³Port of Honolulu only. Excludes through passengers. For years ended June 30.

⁴Includes nonrevenue passengers beginning in 1970. Treatment of through passengers was apparently changed after 1959 and again after 1969.

Source: Hawaii State Department of Transportation, records.

Table 245.—AIRPORTS AND HELIPORTS, BY CONTROL: JUNE 30, 1975

Type	All facilities	State		Military	Private
		Commercial	General aviation		
Airports	57	12	4	6	35
Heliports	10	—	1	(NA)	9

NA Not available.

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

Table 246.—PILOTS, CIVIL AIRCRAFT, AND AIRCRAFT OPERATIONS: 1960 TO 1975

Year	Active pilots, Dec. 31 ¹	U.S. active civil aircraft, Dec. 31		Aircraft operations ²		
		Air carrier	General aviation	Honolulu International Airport	Gen. Lyman Field, Hilo	Kahului Airport
1960	778	24	77	253,742	34,548	47,503
1965	1,340	23	146	288,288	44,559	64,603
1970	2,218	20	241	300,629	52,183	77,451
1971	2,409	17	249	294,874	56,167	76,768
1972	2,526	(NA)	(NA)	297,861	50,333	75,467
1973	2,786	291		309,144	48,138	75,478
1974	2,956	16	308	305,724	47,715	75,186
1975	(NA)	(NA)	(NA)	319,781	51,145	77,062

NA Not available

¹Data for 1971, 1973 and 1974 include active pilots in American Samoa, Canton Island, Wake Island, and Guam, as well as Hawaii.

²An aircraft operation is an aircraft arrival or departure.

Source: Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual); Hawaii State Department of Transportation, Airports Division, records.

Table 247.—AIRCRAFT OPERATIONS, BY TYPE, FOR SPECIFIED AIRPORTS: 1975

Airport	All operations	Air carrier	Air taxi	General aviation	Military
Honolulu Int. Airport	319,781	108,451	48,260	111,813	51,257
Hilo (Lyman Field)	51,145	20,056	2,756	14,622	13,711
Kahului Airport	77,062	35,135	18,120	14,488	9,319

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

Table 248.—AIR CARGO AND AIR MAIL: 1958 TO 1975
(In thousands of pounds)

Year ¹	Overseas air cargo ²			Overseas air mail ²			Interisland ³	
	Outgoing	Incoming	Through	Outgoing	Incoming	Through	Air cargo: incoming	Air mail: incoming
1958	1,544	2,480	5,453	2,017	2,382	3,258	23,365	857
1959	1,787	4,055	7,710	2,191	2,871	4,563	22,385	936
1960	9,898	12,092	(NA)	7,955	8,702	(NA)	25,333	1,036
1961	10,902	14,028	6,170	12,992	15,767	1,060	26,207	1,279
1962	16,497	20,705	8,099	15,202	16,954	962	29,427	1,429
1963	14,840	17,082	4,996	15,388	17,193	723	32,634	1,698
1964	19,611	22,826	9,218	14,824	16,812	46	40,298	2,062
1965 ⁴	31,732	40,985	11,948	26,208	27,700	230	39,565	4,897
1966	43,490	57,907	13,877	64,356	67,036	128	38,767	11,736
1967	65,156	80,198	11,515	117,969	121,386	78	41,978	12,039
1968	66,960	83,986	21,075	117,929	121,096	2,534	38,215	12,236
1969	42,391	77,760	23,666	80,405	81,051	1,335	44,150	12,534
1970	37,553	54,285	(NA)	21,362	18,109	(NA)	52,139	14,141
1971 ⁵	67,131	116,591	(NA)	17,915	24,883	(NA)	51,389	14,332
1972 ⁶	55,908	108,178	(NA)	16,665	22,739	(NA)	59,900	14,774
1973	57,494	87,834	(NA)	16,123	21,001	(NA)	69,710	16,453
1974	79,054	96,393	(NA)	16,185	21,528	(NA)	79,576	16,594
1975	95,287	112,338	(NA)	36,934		(NA)	81,515	17,830

NA Not available.

¹Fiscal years ended June 30, 1958 to 1960; calendar years, 1961 and later.

²For traffic at Honolulu International Airport (all years) and General Lyman Field, Hilo (beginning in 1967). Comparability of these data varies significantly from year to year, as a result of fluctuations in completeness of reporting, inclusion of through traffic in outgoing and incoming totals, and other reasons. Major disruptions in classification procedures or coverage appear to have occurred in 1960 and, for air mail data, after 1968.

³All airports. Cargo totals include air freight and air express.

⁴Data reflect the airlifting of all interisland third- and fourth-class mail beginning in October 1965.

⁵Data reflect the shipping strike of July 1, 1971–October 6, 1971.

⁶Data reflect the shipping strikes of January 17–February 19 and October 25–December 7, 1972.

Source: Hawaii Aeronautics Commission, *Annual Report* for 1958–1960; Hawaii State Department of Transportation, Airports Division, tabular releases and records.

Table 249.—PASSENGERS, CARGO, AND MAIL, BY AIRPORT: 1975

Airport	Passengers ¹		Cargo (1,000 lb.)		Mail (1,000 lb.)	
	In	Out	In	Out	In	Out
OVERSEAS						
Total	3,181,580	3,134,774	112,338	95,287	36,934	
Honolulu	3,080,418	3,008,635	106,373	72,977	36,934	
Hilo (Lyman)	101,162	126,139	5,965	22,310	—	—
INTERISLAND						
Total	5,321,616	5,321,616	81,515	81,515	17,830	17,830
Honolulu	2,170,167	2,140,647	26,544	47,218	3,918	13,383
Hilo (Lyman)	536,219	522,951	11,643	20,937	4,353	1,291
Upolu	1,103	1,108	—	—	—	—
Waimea	38,560	34,304	910	1,862	116	117
Ke-ahole	434,189	431,772	4,894	2,589	1,371	451
Kahului	1,092,287	1,087,270	20,774	5,964	4,405	1,579
Hana	7,418	7,926	—	2	—	—
Kaanapali	31,118	31,124	1,045	172	—	—
Molokai	77,186	76,384	1,452	1,043	360	97
Kalaupapa	4,039	4,342	243	47	25	9
Lanai	22,081	21,571	1,247	255	137	32
Lihue	956,447	961,618	12,713	1,424	3,140	867
Other	802	599	50	2	—	—

¹ Revenue and non-revenue, including Military Airlift Command (MAC). Excludes overseas passengers in transit (956,576 through Honolulu International Airport; not reported for General Lyman Field).

Source: Hawaii State Department of Transportation, Airports Division.

**Table 250.—AIR FARES AND FLIGHT TIMES FOR SPECIFIED INTERISLAND AND TRANSPACIFIC FLIGHTS:
1966 TO 1976**

Subject	Jan. 1, 1966	Jan. 1, 1975	Jan. 1, 1976	Subject	Jan. 1, 1966	Jan. 1, 1975	Jan. 1, 1976
HAWAIIAN AIR LINES				PAN AMERICAN WORLD AIRWAYS Con.			
Honolulu-Hilo:				Economy fare (weekends)¹			
Fare ¹	20.10	28.38	28.38	Fare	110.03	142.39	142.39
Fare	19.14	25.93	25.93	Tax	110.00	139.00	139.00
Tax	0.96	2.07	2.07	Security charge	0.03	3.00	3.00
Security charge	—	0.38	0.38	Economy fare (weekdays) ¹	110.03	126.39	126.39
Aircraft	DC-6B	DC-9-30	DC-9-50	Fare	110.00	123.00	123.00
Flight time ²	1:04	0:41	0:40	Tax	0.03	3.00	3.00
Honolulu-Maui/ Kauai:				Security charge			
Fare ¹	13.20	21.38	21.38	---	0.39	0.39	
Fare	12.57	19.44	19.44	Thrift fare (weekends)¹			
Tax	0.63	1.56	1.56	Fare	100.03	131.39	134.39
Security charge	---	0.38	0.38	Fare	100.00	131.00	131.00
PAN AMERICAN WORLD AIRWAYS (HONOLULU- SAN FRANCISCO)				Tax			
First Class fare ¹	150.05	204.42	204.42	0.03	3.00	3.00	
Fare	150.00	201.00	201.00	Security charge			
Tax	0.05	3.00	3.00	---	0.38	0.38	
Security charge	---	0.42	0.42	Aircraft			
				B-707			
				B-747			
				B-747			
				Flight time²			
				4:55			
				5:02			
				4:58			

¹Total one-way fare, including taxes and other charges. In dollars.

²Average scheduled flight time eastbound and westbound, in hours and minutes.

Source: Hawaii State Department of Planning and Economic Development, *Chronology of Airline Fares and Flight Times, 1929-1974* (Statistical Report 103, June 18, 1974); Hawaiian Air Lines, printed schedules; Pan American World Airways, printed schedules.

Table 251.—STATE COMMERCIAL HARBORS: 1976

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet)	Storage area (1,000 square feet)	
		Depth (feet)	Length (feet)	Width (feet)		Shedded	Open
Hawaii:							
Hilo	35	35	2,300	1,400	2,600	104	321
Kawaihae	40	35	1,500	1,450	1,015	23	71
Maui:							
Kahului	35	35	2,400	2,050	2,300	146	169
Molokai:							
Kaunakakai	23	23	1,500	600	687	5	288
Oahu:							
Honolulu:							
Main	40	35	3,300	1,520	17,000	2,073	3,645
Kapalama		35	3,400	1,000			
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,140	60	104
Port Allen	35	35	1,500	1,200	1,200	24	33

Source: Hawaii State Department of Transportation, Harbors Division, *Hawaii State Commercial Harbors* (undated leaflet) and records.

Table 252.—DOCUMENTED AND NUMBERED REGISTERED VESSELS: 1960 TO 1975

Year	Documented vessels ¹	Numbered vessels ²
1960	208	3,081
1965	298	7,045
1970	553	8,042
1971	597	8,803
1972	621	10,250
1973	692	12,049
1974	707	11,843
1975	797	12,956

¹Vessels documented under the laws of the United States with the U.S. Coast Guard in Hawaii. All vessels over five net tons, used for commercial purposes, must be documented. In addition, yachts over five net tons may be documented. Data are as of January 1, 1960 and 1965, June 30, 1970 to 1973, August 22, 1974, and September 1, 1975.

²Non-documented numbered vessels registered with the U.S. Coast Guard (1960 and 1965) or Hawaii State Department of Transportation (1970 and later years). Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered. Data are as of December 31, 1970 and later years; the exact dates for 1960 and 1965 are unspecified.

Source: U.S. Coast Guard, records; Hawaii State Department of Transportation, *Report of Undocumented Vessel Registration* (annual).

Table 253.—UNDOCUMENTED STATE-REGISTERED VESSELS: DECEMBER 31, 1975

Subject	Number	Subject	Number
Certificates outstanding	12,956	Type of vessel: ¹	
Length:		Cabin motorboat	1,284
Under 16 feet	6,229	Open Motorboat	5,214
16 to less than 26 feet	5,583	Runabout	3,102
26 to less than 40 feet	930	Sail/inboard	398
40 to 65 feet	164	Sail/outboard	652
Over 65 feet	5	Sail only	1,757
Dealers or manufacturers	45	Motor vessel over 65 feet	5
Hull materials:		Other	499
Wood	3,576	Uses:	
Steel	34	Pleasure	11,736
Aluminum	378	Commercial fishing	683
Plastic	8,643	Charter fishing	11
Other	325	Commercial passenger	27
Propulsion:		Other commercial	35
Inboard	756	Livery	52
Outboard	7,992	Dealers or manufacturers	45
Inboard/outboard	1,219	Youth group	40
Sail/inboard	422	Government	255
Sail/outboard	587	Other	72
Sail only	1,794	Island kept: ¹	
Other	186	Hawaii	1,298
Type of storage: ¹		Kauai	929
On water	2,556	Lanai	53
On land	10,355	Maui	666
		Molokai	217
		Oahu	9,748

¹Excludes dealers and manufacturers (45).

Source: Hawaii State Department of Transportation, Harbors Division, *Report of Undocumented Vessel Registration* (annual).

Table 254.—SHIP ARRIVALS AT THE PORT OF HONOLULU: 1958 TO 1975

Year ended June 30	Overseas vessels		Interisland vessels	
	Number	Gross tonnage	Number	Gross tonnage
1958	1,256	11,480,481	2,143	1,027,399
1959	1,243	11,405,574	2,319	1,097,002
1960	1,411	12,305,187	2,272	1,061,299
1961	1,518	12,698,928	2,460	1,142,823
1962	1,818	13,093,578	2,522	1,150,294
1963	1,799	12,486,677	2,550	1,118,590
1964	2,064	13,102,772	2,446	1,275,239
1965	1,948	12,992,469	2,551	1,125,203
1966	1,941	14,654,173	2,877	1,219,665
1967	1,684	13,820,896	2,652	1,422,467
1968	1,774	15,277,355	2,474	1,413,915
1969	1,903	15,954,257	2,961	2,458,333
1970 ¹	1,933	16,053,275	3,321	2,167,733
1971 ¹	1,879	15,629,860	3,356	2,339,132
1972	1,847	15,267,302	3,096	1,875,681
1973	1,801	14,373,090	3,602	2,185,872
1974	1,587	13,465,620	3,666	2,879,354
1975	1,602	13,025,705	3,440	2,411,933

¹Tonnage estimated.

Source: *Annual Report of the Board of Harbor Commissioners* for 1958–1961; Hawaii State Department of Transportation, Harbors Division, *Statistical Report . . . 1962, Shipping Information* for 1963–1968, and records.

Table 255.—VESSELS ARRIVING AT SPECIFIED HARBORS: 1974

Harbor	Total inbound vessels	By type of vessel					By draft	
		Self propelled vessels			Non-self pro- pelled vessels		18 feet and less	19 feet and more
		Pass. and dry cargo	Tanker	Towboat or tugboat	Dry cargo	Tanker		
All spec. harbors	14,153	8,837	308	3,090	1,836	82	(NA)	(NA)
Hilo	471	127	32	173	135	4	376	95
Kawaihae	195	12	8	123	52	—	173	22
Kahului	785	245	23	281	228	8	699	86
Kaunakakai	901	—	—	600	301	—	(NA)	(NA)
Kalaupapa	3	—	—	3	—	—	3	—
Honolulu	5,832	3,230	110	1,479	986	27	5,022	810
Pearl Harbor	5,291	5,149	37	89	9	7	(NA)	(NA)
Barbers Point	257	—	85	122	16	34	171	86
Nawiliwili	304	60	13	148	81	2	274	30
Port Allen	114	14	—	72	28	—	(NA)	(NA)

NA Not available.

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 1974, Part 4* (1975), pp. 106–107.

Table 256.—FREIGHT AND PASSENGER TRAFFIC FOR SPECIFIED HARBORS: 1958 TO 1974

Year	Passengers ¹			Freight (1,000 short tons) ²			
	Hilo Harbor	Honolulu Harbor ³	Kahului Harbor	Barbers Point Harbor	Hilo Harbor	Honolulu Harbor	Kahului Harbor
1958	785	145,954	374	...	647.9	4,125.7	536.6
1959	725	123,921	304	...	905.9	4,296.9	676.4
1960	4,047	112,298	614	...	807.8	5,041.3	638.0
1961	1,356	116,847	309	686.5	733.4	4,263.3	694.3
1962	1,157	108,750	17	469.3	835.2	4,295.2	714.6
1963	74	90,937	449	1,782.5	728.2	4,421.5	624.5
1964	1,492	213,004	13	2,248.4	874.5	4,755.7	787.3
1965	70	139,031	78	2,416.1	775.0	5,480.0	741.2
1966	4,000	160,565	1,086	2,469.7	835.0	6,180.8	895.4
1967	5,194	363,488	16	2,363.8	882.5	6,640.2	875.5
1968	9,880	535,287	1,930	2,472.5	991.1	6,828.9	957.2
1969	9,288	604,482	125	2,918.8	990.5	7,057.9	868.5
1970	4,457	690,906		2,561.6	1,141.2	8,078.1	1,083.4
1971	2,148	518,603		2,677.5	1,064.4	7,390.0	1,067.9
1972	658	796,694		3,420.4	1,108.1	7,960.4	1,297.8
1973		989,100		3,944.9	1,041.6	8,188.5	1,042.8
1974	9,600	987,475	9,600	4,360.2	928.6	7,556.9	982.1

¹Total arrivals and departures for transpacific, interisland, and local travel.

²Excludes cargo carried by Army and Navy vessels and cargo in transit.

³Most of the increase in passenger traffic after 1963 appears to be a result of excursion travel between Honolulu Harbor or Kewalo Basin and Pearl Harbor. For separate statistics on this category, see the next table.

Source: U.S. Army, Corps of Engineers, *Waterborne Commerce of the United States* (annual).

Table 257.—PASSENGER ARRIVALS AND DEPARTURES FOR HONOLULU HARBOR: 1969 TO 1975

Year	All passengers	To or from foreign countries		To or from other states		Island excursions ¹	
		Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
1969	604,482	23,500	21,258	14,028	13,746	265,204	266,746
1970	690,906	21,189	19,745	4,825	7,046	319,094	319,007
1971	518,603	25,165	20,520	6,749	6,773	229,730	229,666
1972	796,694	24,996	15,907	6,353	5,087	372,176	372,175
1973	989,100	21,544	14,863	4	68	476,311	476,310
1974	987,475	12,831	11,078	—	—	481,783	481,783
1975	1,073,125	11,414	9,270	2,587	2,698	521,191	525,965

¹Mostly between Kewalo Basin and Pearl Harbor.

Source: Department of the Army, Lower Mississippi Valley Division, Corps of Engineers, Waterborne Commerce Statistics Center.

Table 258.—OVERSEAS AND INTERISLAND SHIPPING: 1960 TO 1974
(In revenue tons of 2,000 lb.)

Calendar year	Overseas cargo tons			Interisland cargo tons		
	Total	In	Out	Total	In	Out
1960	5,575,224	3,705,214	1,870,010	1,988,623	1,006,222	982,401
1961	4,703,644	2,720,695	1,982,949	2,168,883	1,040,586	1,128,297
1962	5,069,625	2,844,526	2,225,099	2,534,454	1,249,410	1,285,044
1963	5,079,475	2,935,012	2,144,463	2,564,264	1,271,689	1,292,575
1964	5,587,016	3,203,510	2,383,506	2,697,873	1,351,662	1,346,211
1965	5,785,111	3,408,059	2,377,052	3,213,134	1,512,810	1,700,324
1966	6,850,718	4,050,678	2,800,040	3,380,431	1,686,898	1,693,533
1967	7,136,017	4,334,536	2,801,481	3,536,997	1,767,764	1,769,233
1968	9,185,880	6,498,986	2,686,894	3,689,409	1,844,704	1,844,705
1969	9,440,891	7,185,809	2,255,082	3,941,074	1,969,987	1,971,087
1970	9,610,764	7,464,651	2,146,113	4,788,130	2,394,065	2,394,065
1971	9,442,634	7,097,445	2,345,189	4,190,708	2,091,490	2,099,218
1972	10,024,122	7,631,789	2,392,333	5,851,128	2,800,702	3,050,426
1973	11,287,536	8,203,106	3,084,430	4,679,121	2,300,634	2,378,487
1974	11,156,346	8,581,226	2,575,120	3,780,896	1,904,501	1,876,395

Source: Hawaii State Department of Transportation, records.

Table 259.—FREIGHT TRAFFIC FOR SPECIFIED HARBORS: 1974
(Short tons)

Harbor and commodity ¹	Total	Foreign		Domestic			
		Imports	Exports	Coastwise ²		Internal receipts	Local
				Receipts	Shipments		
Hilo	928,619	36,203	18	517,724	374,446	228	-
Sugar	224,008				224,008	--	--
Kawaihae	291,036			65,979	225,032	25	
Hana	3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kahului	982,110	21,481	5,543	607,538	347,442	106	
Kaunakakai	162,010	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kalaupapa	1,083	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu	7,556,891	1,593,924	75,021	3,877,922	2,000,132	73	9,819
Fresh fruits and tree nuts	291,038	761	252	244,400	45,625	--	--
Sand, gravel, crushed rock	217,727	47,675		158,870	11,182	--	--
Prep. fruit and veg. juice	411,865	1,334	7,099	7,727	395,703	--	--
Sugar	265,761	--	98	2,333	263,330	--	--
Molasses	268,324	--		100,739	163,915	--	3,670
Gasoline	316,962	12,849	7,637	278,512	14,394	--	3,570
Kerosene	1,165,551	939,810	1,332	221,768	2,641	--	--
Residual fuel oil	530,950	68,399	5,884	354,559	101,001		1,107
Fabricated metal products	212,359	12,051	118	139,330	60,860	--	--
Pearl Harbor	553,273	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Residual fuel oil	292,128	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barbers Point	4,360,221	2,660,826	30,272	766,416	902,707		
Crude petroleum	2,074,428	2,036,554		37,874	--		
Distillate fuel oil	670,289	409,967	26,214		234,108		
Residual fuel oil	1,276,797	104,934		723,788	448,075		
Nawiliwili	380,495	10,372		172,163	197,938	22	
Port Allen	87,200	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

¹Commodities under 200,000 tons not shown separately.

²Includes both interisland and interstate traffic.

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 1974*, Part 4 (1975), pp. 31-38.

Table 260.—BOATING ACCIDENTS: 1970 TO 1975

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured non-fatally		
1970	36	1	1	2	44	82.6
1971	15	2	2	--	16	64.8
1972	37	7	9	7	43	254.1
1973	27	1	1	2	30	126.1
1974	63	5	5	3	77	353.3
1975	62	4	4	13	74	228.2

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual).

AGRICULTURE

This section presents statistics on agricultural land, farms, and specific crops, livestock, dairy products, and poultry. Related information appears in Sections 6 (on land use), 11 (agricultural employment and earnings), and 21 (food processing).

There were 4,270 farms in Hawaii as of 1975, with a total area of 2,300,000 acres. Both figures have declined during the past decade. The value of crop sales in 1975 was \$315 million, more than double the total for 1965. Livestock sales amounted to \$58 million, or 64 percent more than the 1965 level. Combined crop and livestock sales ranged from \$55 million in Kauai County to \$124 million on the Big Island. Major crops in 1975 were sugar (\$237 million in sales, up 143 percent over the decade), pineapple (\$38.5 million, or 9 percent over the 1965 total), and vegetables and melons (\$11 million). Diversified agriculture, defined as all crops other than sugar and pineapple, rose from \$15 million in 1965 to \$39 million in 1975, or approximately 165 percent. More than 500 farms sold \$9.8 million of flowers and nursery products in 1975, chiefly anthuriums and orchids. Important products of livestock farms as of 1975 included cattle (\$17 million in sales), milk (\$21 million), and eggs (\$11 million). Coffee sales have declined sharply during the past decade, but macadamia nuts and horticultural specialties have increased rapidly. In 1974, Hawaii produced 42 percent of the fresh market vegetables consumed locally, 34 percent of the fresh market fruits, none of the rice, butter, and oleomargarine, all of the milk, 35 percent of the red meat, 18 percent of the poultry meat, and 91 percent of the eggs.

Important sources for data on agriculture include the quinquennial *United States Census of Agriculture*, the annual report on *Statistics of Hawaiian Agriculture* issued by the Hawaii Crop and Livestock Reporting Service, and publications of the Hawaii Agricultural Experiment Station, Hawaiian Sugar Planters' Association, and Pineapple Growers Association of Hawaii. National statistics appear in Section 23 of the *Statistical Abstract of the United States: 1975*.

Table 261.—AGRICULTURAL SUMMARY, BY COUNTIES: 1969

County	Number of farms, by size (in acres)					Farm acreage (thousands)				
	All farms	1 to 9	10 to 49	50 to 259	260 and over	Total acreage	In farms of 260 or more acres	Harvested cropland	Irrigated	
State total	3,896	2,024	1,281	389	202	2,058	1,982	178.7	145.6	
Hawaii	2,241	1,066	832	227	116	1,203	1,158	64.2	9.1	
Honolulu	768	555	153	32	28	147	138	31.2	41.1	
Kauai	375	185	125	47	18	273	265	28.3	42.5	
Maui	512	218	171	83	40	435	420	55.0	52.8	
County	Average age of farm operators (yrs.)	Tenant farmers		Regular hired workers ¹	Average value of land and buildings		Market value of agricultural products sold			
		Percent of all operators	Percent of farm acreage		Per farm (\$1,000)	Per acre (dollars)	Total (\$1,000)	Average per farm (\$1,000)	Percent of farms over \$2,500	
State total	53.1	38.1	18.2	13,200	156.8	297	287,939	73.9	55.6	
Hawaii	53.6	38.9	16.7	3,752	90.0	168	85,833	38.3	52.9	
Honolulu	52.1	43.6	29.9	2,944	281.7	1,474	87,025	113.3	70.1	
Kauai	52.3	37.6	30.5	2,606	224.7	308	41,596	110.9	49.3	
Maui	52.5	26.5	10.3	3,898	212.1	250	73,485	143.5	50.0	
County	Livestock and poultry on farms (thousands)			Market value of machinery and equipment ² (\$1,000)	Quantity of crops harvested					
	Cattle and calves	Hogs and pigs	Chickens 3 mo. old and over		Coffee (1,000 lb ³)	Macadamia nuts (1,000 lb. ⁴)	Papayas (1,000 lb.)	Pineapples (1,000 tons)	Sugarcane (1,000 tons)	
State total	233	52.3	1,072	90,847	2,755	10,323	20,216	946	11,258	
Hawaii	133	6.3	149	20,634	2,737	10,197	17,174	—	4,599	
Honolulu	35	35.6	773	20,997	} 17	{ 18	910	283	1,910	
Kauai	16	3.5	45	22,921			80	688	35	2,551
Maui	48	6.9	104	26,295			28	1,444	627	2,198

¹Working 150 days or more. Limited to farms with sales of \$2,500 and over.

²Limited to farms with sales of \$2,500 or more.

³Parchment.

⁴Husked, unshelled.

Source: U.S. Bureau of the Census, *U.S. Census of Agriculture: 1969*, Vol. 1, Part 50.

Table 262.—NUMBER OF FARMS, FARM ACREAGE, AND VALUE OF CROP AND LIVESTOCK SALES: 1958 TO 1975

Year	Number of farms	Area in farms ¹ (1,000 acres)	Value of sales (\$1,000)				
			Crops and livestock	Sugar (unprocessed cane)	Pineapples (fresh equivalent)	Other crops	Livestock
1958	6,800	2,610	135,233	57,000	36,400	9,907	31,926
1959	6,800	2,600	149,627	69,800	34,900	12,652	32,275
1960	6,600	2,600	148,215	67,200	34,500	12,977	33,538
1961	6,200	2,550	161,306	78,600	35,800	12,545	34,361
1962	5,700	2,500	171,270	86,800	36,200	13,992	34,278
1963	5,200	2,450	193,162	108,900	36,900	13,040	34,322
1964	5,100	2,450	176,655	90,500	35,600	14,948	35,607
1965	5,000	2,400	183,248	97,500	35,300	14,843	35,605
1966	4,900	2,400	196,107	105,200	37,400	16,105	37,402
1967	4,800	2,360	198,293	106,000	38,500	16,334	37,459
1968	4,700	2,330	203,051	111,200	35,900	18,066	37,885
1969	4,600	2,310	199,089	104,900	35,500	19,202	39,487
1970	4,500	2,300	213,667	110,600	39,500	21,919	41,648
1971	4,400	2,300	221,692	115,800	40,300	22,539	43,053
1972	4,300	2,300	232,497	117,300	43,900	25,055	46,242
1973	4,300	2,300	265,771	141,900	39,600	29,002	55,269
1974	4,300	2,300	575,486	442,300	40,300	34,977	57,909
1975	4,270	2,300	372,765	236,700	38,500	39,301	58,264
COUNTIES: 1975							
Hawaii	2,540	1,340	124,499	87,700	—	19,091	17,708
Honolulu	890	152	102,098	41,900	16,400	11,089	32,709
Kauai	340	282	55,356	51,300	—	2,356	1,700
Maui	500	526	90,812	55,800	22,100	6,765	6,147

¹Includes land not in crop and pasture, such as farm house lots, roads, wood lots, etc.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual), and records.

Table 263.—ACREAGE IN CROP AND PASTURE, NUMBER OF CROP FARMS, VOLUME OF CROP MARKETINGS, AND VALUE OF CROP SALES, BY COUNTY: 1965 AND 1975

Subject	State total		Counties, 1975			
	1965	1975	Hawaii	Kauai	Maui	Honolulu
Acreage (1,000 acres):						
Sugarcane	235.6	221.4	94.8	45.7	46.6	34.3
Pineapples (land used for pineapple)	64.5	50.0	—	—	34.5	15.5
Vegetables and melons	3.3	3.6	1.1	0.1	1.2	1.2
Fruits (excluding pineapples)	3.1	4.6	3.2	0.3	0.4	0.7
Coffee	4.7	2.4	2.4	—	—	—
Macadamia nuts	5.4	10.4	10.3	(D)	(D)	(D)
Miscellaneous crops	1.1	4.6	1.4	1.2	0.7	1.3
Number of crop farms:						
Sugar	818	520	509	5	3	3
Pineapples	79	20	—	—	18	2
Vegetables and melons	728	509	192	43	79	195
Fruits (excluding pineapples)	640	377	346	56	51	124
Coffee	850	780	780	—	—	—
Macadamia nuts	250	440	435	3	1	1
Taro	162	128	40	48	38	2
Flower and nursery	540	500	257	19	58	166
Volume of crop marketings:						
Sugar (unprocessed cane; 1,000 tons)	10,738	9,485	3,971	1,935	2,052	1,527
Pineapples (fresh equivalent; 1,000 tons)	941	680	—	—	469	211
Vegetables and melons (1,000 lb.)	50,760	62,984	20,702	2,368	23,417	16,497
Fruits (excluding pineapples; 1,000 lb.)	32,159	54,426	39,745	2,706	5,377	6,598
Coffee (parchment; 1,000 lb.)	7,500	1,800	1,800	—	—	—
Macadamia nuts (in shell; 1,000 lb.)	8,538	16,800	16,700	70	—	30
Taro (1,000 lb.)	9,480	7,592	2,023	4,253	—	1,316
Value of crop sales (\$1,000):						
Sugar (unprocessed cane)	97,500	236,700	87,700	51,300	55,800	41,900
Pineapples (fresh equivalent)	35,300	38,500	—	—	22,100	16,400
Vegetables and melons	5,307	11,360	3,350	598	3,317	4,095
Fruits (excluding pineapples)	2,134	7,352	5,558	417	411	966
Coffee (parchment)	2,362	936	936	—	—	—
Macadamia nuts (in shell)	1,656	5,040	5,010	(D)	(D)	(D)
Taro	573	851	253	451	—	147
Horticultural specialties	2,600	9,767	3,554	304	1,214	4,695
Forest products	102	180	144	10	14	12
Field crops (not estimated separately)	109	3,815	286	546	1,662	1,321

(D) Withheld to avoid disclosure of individual operations.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual).

Table 264.—VEGETABLES, MELONS, FRUITS, NUTS, AND TARO: 1975

Crop ¹	Acreage harvested ²	Yield per acre (1,000 lb.)	Production (1,000 lb.)	Farm price (cents per lb.)	Value of sales (\$1,000)
Vegetables and melons:					
Snap beans	120	8.3	1,000	47.6	476
Head cabbage	420	27.6	11,600	10.0	1,160
Chinese cabbage	250	25.1	6,264	9.5	597
Cucumbers	200	18.5	3,700	19.2	710
Daikon	181	16.7	3,015	10.1	306
Lettuce (head, semi-head)	490	14.1	6,900	17.5	1,208
Dry onions	119	16.9	2,011	24.2	487
Green onions	97	10.1	982	40.6	399
Tomatoes	230	20.9	4,800	27.6	1,325
Watercress	36	53.2	1,916	23.7	454
Eggplant	45	27.0	1,215	27.3	332
Ginger root	22	36.0	793	60.7	481
Watermelons	202	11.9	2,410	17.8	429
Fruits:					
Bananas	630	9.8	6,200	13.8	856
Papayas ³	1,840	21.7	39,896	(⁴)	5,668
Macadamia nuts	6,080	2.8	16,800	30.0	5,040
Taro	460	(NA)	7,592	11.2	851

NA Not available.

¹Date shown for crops with sales in excess of \$300,000.

²Acreage bearing for macadamia nuts; acreage in crop for taro.

³Fresh weight basis.

⁴Fresh market, 15.8; processed, 3.0.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture, 1975* (Hawaii State Department of Agriculture, 1976).

**Table 265.—NUMBER OF LIVESTOCK FARMS, VOLUME OF LIVESTOCK MARKETINGS,
AND VALUE OF LIVESTOCK SALES, BY COUNTY: 1965 AND 1975**

Subject	State total		Counties, 1975			
	1965	1975	Hawaii	Kauai	Maui	Honolulu
Number of livestock farms:						
Cattle (incl. beef and dairy)	1,500	930	385	155	255	135
Hogs	950	620	90	75	130	325
Milk	200	100	35	10	25	30
Eggs	600	80	37	7	10	26
Broilers	36	10	—	2	—	8
Honey	40	22	3	4	4	11
Volume of livestock:						
Beef (1,000 lb. dressed weight)	25,968	27,283	17,960	1,828	5,968	1,527
Pork (1,000 lb. dressed weight)	9,084	7,902	1,063	441	1,792	4,606
Milk (million lb.)	147.2	143.7	(D)	(D)	(D)	119.2
Eggs (million)	189	209	21.8	7.3	8.4	171.0
Broilers and chickens (1,000 lb. ¹)	5,456	5,659	96	188	61	5,314
Honey (1,000 lb.)	366	426	338	32	37	19
Value of livestock sales (\$1,000):						
Cattle ²	9,365	17,412	11,745	1,196	3,703	768
Hogs ²	3,746	6,142	779	370	1,431	3,562
Milk	12,769	20,549	(D)	(D)	(D)	16,986
Eggs	7,449	11,234	1,381	961		8,892
Broilers and chickens	2,124	2,638	35	111	22	2,470
Others	152	289	205	23	30	31

D Withheld to avoid disclosure of individual operations.

¹Ready-to-cook weight.

²Excludes interfarm sales.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual).

Table 266.—FLOWERS AND NURSERY PRODUCTS, BY ISLAND: 1973 TO 1975

Area and year	Number of farms	Area					Wholesale value of sales (\$1,000)	Out-of-state sales (\$1,000)
		Total (acres)	Greenhouse (1,000 square feet)	Artificial shade structure (1,000 square feet)	Natural shade area (acres)	Open field (acres)		
State total:								
1973	486	777	385	7,067	136	470	6,674	3,678
1974	465	877	577	8,074	131	547	8,211	4,359
1975	502	1,005	682	8,280	156	643	9,767	5,392
Islands, 1975:								
Hawaii	256	592	423	5,728	131	319	3,554	(NA)
Kauai	19	13	4	57	2	10	304	(NA)
Maui	58	73	55	95	6	64	1,214	(NA)
Oahu	169	327	200	2,400	17	250	4,695	(NA)

NA Not available

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture 1975*, p. 14.

**Table 265.—NUMBER OF LIVESTOCK FARMS, VOLUME OF LIVESTOCK MARKETINGS,
AND VALUE OF LIVESTOCK SALES, BY COUNTY: 1965 AND 1975**

Subject	State total		Counties, 1975			
	1965	1975	Hawaii	Kauai	Maui	Honolulu
Number of livestock farms:						
Cattle (incl. beef and dairy)	1,500	930	385	155	255	135
Hogs	950	620	90	75	130	325
Milk	200	100	35	10	25	30
Eggs	600	80	37	7	10	26
Broilers	36	10	—	2	—	8
Honey	40	22	3	4	4	11
Volume of livestock:						
Beef (1,000 lb. dressed weight)	25,968	27,283	17,960	1,828	5,968	1,527
Pork (1,000 lb. dressed weight)	9,084	7,902	1,063	441	1,792	4,606
Milk (million lb.)	147.2	143.7	(D)	(D)	(D)	119.2
Eggs (million)	189	209	21.8	7.3	8.4	171.0
Broilers and chickens (1,000 lb. ¹)	5,456	5,659	96	188	61	5,314
Honey (1,000 lb.)	366	426	338	32	37	19
Value of livestock sales (\$1,000):						
Cattle ²	9,365	17,412	11,745	1,196	3,703	768
Hogs ²	3,746	6,142	779	370	1,431	3,562
Milk	12,769	20,549	(D)	(D)	(D)	16,986
Eggs	7,449	11,234	1,381	961		8,892
Broilers and chickens	2,124	2,638	35	111	22	2,470
Others	152	289	205	23	30	31

D Withheld to avoid disclosure of individual operations.

¹Ready-to-cook weight.

²Excludes interfarm sales.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual).

Table 266.—FLOWERS AND NURSERY PRODUCTS, BY ISLAND: 1973 TO 1975

Area and year	Number of farms	Area					Wholesale value of sales (\$1,000)	Out-of-state sales (\$1,000)
		Total (acres)	Greenhouse (1,000 square feet)	Artificial shade structure (1,000 square feet)	Natural shade area (acres)	Open field (acres)		
State total:								
1973	486	777	385	7,067	136	470	6,674	3,678
1974	465	877	577	8,074	131	547	8,211	4,359
1975	502	1,005	682	8,280	156	643	9,767	5,392
Islands, 1975:								
Hawaii	256	592	423	5,728	131	319	3,554	(NA)
Kauai	19	13	4	57	2	10	304	(NA)
Maui	58	73	55	95	6	64	1,214	(NA)
Oahu	169	327	200	2,400	17	250	4,695	(NA)

NA Not available

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture 1975*, p. 14.

Table 267.—FLOWERS AND NURSERY PRODUCTS, BY KIND OF FLOWER: 1974

Kind of flower	Number of farms	Number of flowers sold		Wholesale value (\$1,000)
		Unit	Number	
Cut flowers:				
Anthuriums	154	1,000 dozens	1,130	1,690
Birds of paradise	31	Do.	62	118
Carnations	6	Do.	41	59
Chrysanthemums, exc. pompon	8	Do.	23	62
Gingers	21	Do.	(NA)	84
Roses	5	Do.	359	317
Lilies and miscellaneous	26	Do.	(NA)	102
Chrysanthemums, pompon	20	1,000 bunches	360	214
Cut orchids:				
Cattleyas	36	1,000 flowers	73	39
Cymbidiums	17	Do.	707	219
Vanda hybrids and others	36	Do.	(NA)	58
Dendrobiums, sprays	29	1,000 dozens	16	60
Lei flowers:				
Carnations	17	Million flowers	28.2	576
Vandas Miss Joaquin	31	Do.	48.0	430
Plumerias	13	Do.	32.2	369
Tuberoses	5	Do.	9.8	143
Pikake	8	1,000 strands	123	112
Cut foliage:				
Ti leaves	30	Million leaves	15.8	193
Crotons, lycopodiums, and other greens	18	Do.	11.5	78
Potted plants:				
Chrysanthemums	12	1,000 pots	94	160
Orchids	61	Do.	171	398
Potted foliage	26	Do.	(NA)	284
Other potted plants	61	Do.	(NA)	459
Ornamentals and trees	74	Do.	(NA)	1,059
Other nursery products ¹	15	Do.	(NA)	928

NA Not available.

¹Includes ornamental plants, trees, bedding plants and potted foliage.

Source: Hawaii Crop and Livestock Reporting Service, *Hawaii Flowers and Nursery Products* (August 12, 1975).

Table 268.—MARKET SUPPLY OF SPECIFIED FOODS: 1965 TO 1975
(Eggs in 1,000 dozens; other foods in 1,000 pounds)

Year and source	Fresh market vegetables	Melons	Miscellaneous crops ¹	Fresh market fruits ²	Butter and oleomargarine	Milk ³	Red meat ⁴	Poultry meat ⁵	Eggs, shell
1965, total	95,381	7,286	57,263	44,393	7,458	147,200	83,126	18,322	16,738
Inshipments	51,056	5,161	57,263	24,779	7,458	—	48,017	12,866	1,008
From Hawaii	44,325	2,125	—	19,614	—	147,200	35,109	5,456	15,730
Percent	46.5	29.2	0	44.2	0	100.0	42.2	29.8	94.0
1974, total ⁶	128,795	9,939	61,320	62,483	8,152	137,400	102,126	31,740	18,933
Inshipments	74,396	8,314	61,320	41,071	8,152	—	66,430	25,885	1,633
From Hawaii	54,399	1,625	—	21,412	—	137,400	35,696	5,853	17,300
Percent	42.2	16.3	0	34.3	0	100.0	35.0	18.4	91.4
1975, total	132,311	9,025	68,021	62,679	(NA)	143,700	(NA)	(NA)	18,897
Inshipments	74,373	6,615	68,021	42,681	(NA)	—	(NA)	(NA)	1,497
From Hawaii	57,938	2,410	—	19,998	(NA)	143,700	35,185	5,659	17,400
Percent	43.8	26.7	0	31.9	(NA)	100.0	(NA)	(NA)	92.1

NA Not available.

¹Chiefly rice (66,287 in 1975).

²Excludes pineapple, fruits not estimated separately, and papaya outshipments to Mainland.

³Amount sold; excludes milk consumed on farms.

⁴Dressed weight.

⁵Ready-to-cook.

⁶Data for butter and oleomargarine refer to 1973.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual).

Table 269.—LAND USE PRODUCTIVITY RATINGS FOR MAJOR ISLANDS: 1968

Island and land use	Agricultural productivity rating (acres)					
	Total ¹	A (very good)	B (good)	C (moderate)	D (poor)	E (very poor)
Six Islands	4,050,176	68,037	128,833	312,558	783,817	2,668,515
Island:						
Kauai	354,112	10,038	30,276	28,458	30,525	249,276
Oahu	388,928	24,584	32,286	21,986	19,728	228,218
Molokai	167,104	702	—	4,519	40,405	120,309
Lanai	89,280	—	—	4,849	20,219	63,777
Maui	466,432	32,713	20,067	38,467	99,806	268,726
Hawaii	2,584,320	—	46,204	214,279	573,134	1,738,209
Land use:						
Pineapple	69,276	—	16,204	22,131	29,038	1,903
Sugar cane	262,377	65,776	71,354	82,760	40,230	2,257
Diversified agriculture	33,569	2,261	6,497	14,218	6,205	4,388
Grassland grazing	492,905	—	22,905	116,641	175,186	178,173
Wooded grazing	657,629	—	4,313	37,776	175,767	439,773
Idle agricultural land	13,585	—	994	3,139	4,545	4,907
Forest	289,039	—	1,729	7,864	58,877	220,569
Forest reserve	1,190,954	—	1,603	14,596	237,389	937,366
Recreation	17,248	—	798	657	4,630	11,163
Game management	87,585	—	—	2,302	17,565	67,718
National park	229,423	—	—	5,191	26,554	197,678
Military	38,048	—	1,637	3,280	3,624	29,507
Undeveloped subdivision	76,814	—	799	2,003	4,198	69,814
Pali and barren land	503,308	—	—	—	9	503,299
Quarry	1,462	}				
Water	8,063					
Urban: military	17,658					
Urban: civilian	61,233					
			Not rated for productivity			

¹Includes quarry, water, and urban, which were not rated for productivity.

Source: Arthur Y. Ching and Tamotsu Sahara, *Land Use and Productivity Rating, State of Hawaii, 1968*, L.S.B. Circular No. 15 (University of Hawaii, Land Study Bureau, July 1969), pp. 20-21.

SECTION 19

FORESTS, FISHERIES, AND MINING

This section presents data on forests and forest products, commercial fishing, and mining and mineral products.

The most recent available statistics show 1.2 million acres of forest reserve and 938,000 acres of commercial forest in the State, most of it on the Big Island. Almost 49,000 acres had been planted in eucalyptus and other species of trees by 1975. Primary forest products harvested in 1969 had a value of \$331,000. Forty-five forest and brushland fires burned 3,438 acres in 1975.

The commercial fish catch in fiscal 1975 was 10.8 million pounds and had a value of \$6.2 million. *Aku* (Skipjack) accounted for more than half of the total value. Other important species were *ahi*, *akule*, *opelu*, and *opakapaka*. Commercial fishermen numbered 1,992; they operated 1,163 fishing vessels, serving 28 fishery wholesaling and processing establishments.

The value of mineral production reached \$42 million in 1975, most of it in cement and stone. This was almost identical to the all-time high, recorded in 1974.

Important sources of data on these subjects are the United States Census of Agriculture, United States Census of Mineral Industries, and reports of the Hawaii State Department of Land and Natural Resources, Fish and Game Division and Forestry Division. Comparable Mainland statistics are reported in the *Statistical Abstract of the United States: 1975*, Sections 24, 25, and 26.

Table 270.—FOREST RESERVE, TREES PLANTED, AND FOREST FIRES: 1958 TO 1975

Year	Forest reserve ¹ (1,000 acres)	Acres planted in trees ²	Forest and brushland fires ³	
			Number	Acres burned
1958	1,198	189	5	1,276
1959	...	357	42	469
1960	1,196	258	34	26,397
1961	...	...	34	1,941
1962	1,196	1,131	26	3,452
1963	1,196	3,173	7	5,783
1964	1,196	2,057	8	47
1965	1,196	1,318	6	4,097
1966	1,196	2,553	37	2,120
1967	1,196	2,404	16	6,572
1968	1,196	2,039	25	13,339
1969	1,196	1,499	34	45,523
1970	1,196	1,539	62	14,245
1971	1,196	776	49	1,951
1972	1,196	361	67	8,190
1973	1,196	162	75	17,968
1974	1,196	88	36	2,640
1975	1,196	137	45	3,438

¹As of June 30. Effective July 10, 1961, the area previously known as the forest and water reserve was designated the forest and water reserve within the conservation district. Data include both governmental and private land.

²Calendar years through 1960; years ended June 30, 1962 and thereafter. Refers to acreage planted in forest reserves.

³Calendar years.

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

Table 271.—AREA OF FOREST LAND, 1970, AND PLANTED FOREST, 1975, BY ISLAND
(In acres)

Island	Forest land, 1970		Area of planted forest, to 1975 ³
	Total ¹	Commercial ²	
State total	1,986,400	938,300	48,965
Niihau	31,100	—	—
Kauai	219,900	145,300	5,280
Oahu	205,300	124,400	7,195
Molokai	78,100	33,500	2,847
Lanai	43,900	4,500	512
Kahoolawe	15,800	—	—
Maui	239,800	63,400	10,669
Hawaii	1,152,500	567,200	22,462

¹Includes commercial (938,300 acres), unproductive (933,700), and productive-reserved (114,400).

²Includes Federal military (12,300), State (428,100), miscellaneous corporate (294,900), and miscellaneous individual (203,000).

³Chiefly Eucalyptus, other hardwoods, and conifers. Includes arboretum plantings.

Source: Hawaii State Department of Land and Natural Resources, Forestry Division, records; U.S. Forest Service, Institute of Pacific Islands Forestry, records.

Table 272.—PRIMARY FOREST PRODUCTS HARVESTED: 1958 TO 1969

Subject	Total	Sawlogs	Craftwood	Veneer logs	Fuelwood	Posts	Treefern
Production:¹							
1958 .....	...	405	510	—	1,300	65.0	100
1960 .....	...	850	100	30	1,500	37.0	115
1963 .....	...		913	—	847	22.0	118
1967 .....	...	3,925	196	—	720	7.1	143
1969 .....	...	1,650	422	1,056	1,720	10.1	55
Average unit value (\$):							
1958 .....	...	100	240	—	14.50	0.83	0.35
1960 .....	...	70	200	300	30.00	0.60	0.38
1963 .....	...		160	—	22.43	1.05	0.33
1967 .....	...	40	300	—	38.89	1.69	0.52
1969 .....	...	52	230	47	31.40	1.58	0.49
Total value (\$1,000):							
1958	269	40	121	—	19	54	35
1960	197	57	20	9	45	22	44
1963	230		149	—	19	23	39
1967	334	161	58	—	28	12	75
1969	331	86	98	50	54	16	27

¹Sawlogs, craftwood, and veneer logs in 1,000 board feet, fuelwood in cords, posts in 1,000 pieces, and treefern in 1,000 cubic feet.
 Source: U.S. Department of Agriculture, Pacific Southwest Forest and Range Experiment Station, *Forest Products Harvested in Hawaii—1969*, Research Note PSW-239 (1971), p.2.

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1975	1,196	137	45	3,438

¹As of June 30. Effective July 10, 1961, the area previously known as the forest and water reserve was designated the forest and water reserve within the conservation district. Data include both governmental and private land.

²Calendar years through 1960; years ended June 30, 1962 and thereafter. Refers to acreage planted in forest reserves.

³Calendar years.

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

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Island	Forest land, 1970		Area of planted forest, to 1975 ³
	Total ¹	Commercial ²	
State total	1,986,400	938,300	48,965
Niihau	31,100	—	—
Kauai	219,900	145,300	5,280
Oahu	205,300	124,400	7,195
Molokai	78,100	33,500	2,847
Lanai	43,900	4,500	512
Kahoolawe	15,800	—	—
Maui	239,800	63,400	10,669
Hawaii	1,152,500	567,200	22,462

¹Includes commercial (938,300 acres), unproductive (933,700), and productive-reserved (114,400).

²Includes Federal military (12,300), State (428,100), miscellaneous corporate (294,900), and miscellaneous individual (203,000).

³Chiefly Eucalyptus, other hardwoods, and conifers. Includes arboretum plantings.

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1960	850	100	30	1,500	37.0	115
1963		913	—	847	22.0	118
1967	3,925	196	—	720	7.1	143
1969	1,650	422	1,056	1,720	10.1	55
Average unit value (\$):							
1958 .....	...	100	240	—	14.50	0.83	0.35
1960 .....	...	70	200	300	30.00	0.60	0.38
1963 .....	...		160	—	22.43	1.05	0.33
1967 .....	...	40	300	—	38.89	1.69	0.52
1969 .....	...	52	230	47	31.40	1.58	0.49
Total value (\$1,000):							
1958	269	40	121		19	54	35
1960	197	57	20	9	45	22	44
1963	230		149		19	23	39
1967	334	161	58		28	12	75
1969	331	86	98	50	54	16	27

¹Sawlogs, craftwood, and veneer logs in 1,000 board feet, fuelwood in cords, posts in 1,000 pieces, and treefern in 1,000 cubic feet.
 Source: U.S. Department of Agriculture, Pacific Southwest Forest and Range Experiment Station, *Forest Products Harvested in Hawaii—1969*, Research Note PSW-239 (1971), p.2.

Table 273.—LARGEST REPORTED TREES OF SPECIFIED NATIVE AND EXOTIC SPECIES: 1974

Species	Circum. at 4½ ft. (ft., in.)	Height (feet)	Spread (feet)	Location
NATIVE				
Acacia koa (koa) ¹	37-4	140	128	Keauhou, Ka'u
Aleurites moluccana (kukui)	10-7	67	59	Pahala, Ka'u
Calophyllum inophyllum (kamani)	18-6	59	81	Malama-ki, Puna
Metrosideros collina ('ohi'a-lehua)	17-10	84	78	Waipunalei, Hilo
Pandanus tectorius (hala)	4-6	35	40	Keaau, Hilo
Santalum pilgeri ('ili'-ahi, or sandalwood) ...	7-8	65	48	Honomolino, S. Kona
Sapindus saponaria (wingleaf soapberry)	10-1	106	84	Hawaii Vol. Nat. Park
Sophora chrysophylla (mamani)	12-2	39	42	Mauna Kea For. Res.
EXOTIC				
Araucaria hetrophylla (Norfolk I. pine)	16-6	140	75	Lanai City, Lanai
Carica papaya (papaya)	4-10	60	12	Kailua, N. Kona
Cassia grandis (pinkshower)	10-11	55	40	Reed's Island, Hilo
Casuarina cunninghamiana (river-oak ironwood)	6-9	80	42	Kohala Forest Res.
Cocos nucifera (coconut)	4-8	94	28	Arboretum, Hilo
Delonix regia (royal poinciana)	13-6	48	62	Maunawili, Koolaupoko
Eucalyptus deanei	11-0	157	60	Honaunau For. Res.
Eucalyptus saligna	12-11	203	70	Kailua, N. Kona
Ficus benghalensis (Indian banyan)	44-2	80	231	Lahaina
Ficus retusa (Chinese banyan)	90-1	104	195	Keaau, Puna
Macadamia tetraphylla	2-9	50	36	Kainaliu, N. Kona
Mangifera indica (mango)	24-8	71	70	Rainbow Falls, Hilo
Plumeria rubra (frangipani)	4-10	35	38	Arboretum, Hilo
Prosopis pallida (kiawe)	13-5	91	81	Puako, S. Kohala
Roystonea regia (royalpalm)	7-0	70	30	Honokea, Hawaii

¹Circumference measured above bulge.

Source: L. W. Bryan, "Champion Trees of Hawaii," *American Forests*, May 1974.

Table 274.—FISHERY OPERATING UNITS AND LANDINGS: 1958 TO 1974

Year	Fishermen ¹			Motor vessels ²		Boats ²		Fishery estab-lish-ments ³	Landings ⁴	
	Total	On vessels ²	On boats and shore ²	Number	Gross tonnage	Motor	Other		Quantity (1,000 lb.)	Value (\$1,000)
1958 ⁵ .....	...	...	...	...	...	...	...	...	11,361	2,632
1959	688	343	345	64	1,066	224	39	...	16,570	3,179
1960	598	330	268	63	1,775	193	9	22	11,118	2,704
1961	589	320	269	65	1,908	195	20	20	14,472	2,897
1962	817	273	544	60	1,745	318	35	19	13,157	2,820
1963	820	266	554	56	1,728	360	23	16	11,735	2,679
1964	743	233	510	57	1,722	350	24	17	12,685	2,848
1965	744	264	480	57	1,762	324	23	24	19,588	3,602
1966	744	271	473	65	1,852	312	11	26	13,014	3,128
1967	677	237	440	61	1,811	305	17	29	11,842	3,077
1968	1,032	292	740	63	1,844	466	14	32	12,896	3,451
1969	1,338	315	1,023	61	1,923	599	32	36	9,543	3,483
1970	1,436	333	1,103	80	2,278	637	49	37	11,051	3,900
1971	1,533	355	1,178	89	2,475	773	39	44	16,873	5,238
1972	1,732	396	1,336	101	2,769	828	11	40	14,443	5,743
1973	2,091	357	1,734	101	2,884	1,095	2	27	14,034	6,114
1974 ⁶	1,992	...	...	97	...	1,066		28	10,991	6,029

¹Persons licensed as commercial fishermen by the Hawaii State Department of Land and Natural Resources, Fish and Game Division. Data refer to June 30 of the following year.

²A vessel is defined as a craft having a capacity of five net tons or over; a boat, as a craft having a capacity of less than five net tons. Data on vessels and boats refer to June 30 of the following year.

³Data through 1972 include all fishery wholesaling and processing establishments in the State. Data for later years include only processing plants. All totals are as of June 30 of the year indicated.

⁴Data may differ from corresponding totals reported by the State Fish and Game Division, which, unlike the NMFS series shown here, include unsold fish.

⁵Fishery operating units not reported by NMFS before 1959.

⁶Methods of collecting data on operating units were changed in 1974.

Source: U.S. Department of the Interior, Fish and Wildlife Service, Bureau of Commercial Fisheries, *Fishery Statistics of the United States* (annual through 1967); U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States* (annual, 1968-1972), and records.

Table 275.—COMMERCIAL FISHING: 1958 TO 1975

Years ended June 30	Fishing boats	Fishermen	Commercial fish landings	
			Pounds	Value (dollars)
1958	533	1,245	10,568,761	2,512,121
1959	508	1,112	13,178,933	2,841,168
1960	437	1,022	14,266,795	2,994,033
1961	443	941	13,730,912	2,898,380
1962	423	940	13,931,171	2,873,274
1963	366	808	10,879,389	2,566,045
1964	373	805	12,099,123	2,738,323
1965	387	717	17,192,431	3,355,553
1966	365	715	15,987,978	3,319,917
1967	397	801	12,354,658	3,147,566
1968	387	760	12,829,326	3,253,622
1969	509	1,028	11,096,116	3,378,553
1970	670	1,264	9,786,726	3,584,936
1971	738	1,373	15,176,525	4,633,877
1972	(NA)	1,544	15,577,302	5,536,385
1973	(NA)	1,857	14,029,491	5,676,780
1974	(NA)	2,051	13,997,435	6,234,933
1975	(NA)	1,931	10,801,380	6,242,572

NA Not available.

Source: Hawaii State Department of Land and Natural Resources, Division of Fish and Game, *Commercial Fish Landings* (semi-annual and annual report), and records.

**Table 276.—COMMERCIAL FISH LANDINGS, BY SPECIES AND ISLAND:
YEAR ENDED JUNE 30, 1975**

Island and species	Pounds caught	Value (dollars)
Total landings	10,801,380	6,242,572
ISLAND		
Hawaii	2,163,858	1,439,043
Maui	751,975	213,378
Lanai	16,790	8,993
Molokai	40,021	26,246
Oahu	7,541,627	4,427,260
Kauai	287,109	127,652
SPECIES¹		
Sea catch, total ²	10,775,501	6,219,522
Aku (Skipjack)	6,533,748	2,562,118
Ahi (Yellowfin)	1,367,884	1,141,396
Akule	476,320	237,726
Ahi (Bigeye)	369,392	717,146
Opelu	303,518	227,602
Stripe Marlin	216,860	118,830
Pacific Blue Marlin	146,409	27,878
Opakapaka	130,925	150,687
Mahimahi	123,210	120,337
Hahalalu	115,183	80,117
Ono	87,591	43,835
Uku	77,094	74,449
Ulua	75,236	60,870
Limu	61,650	34,655
Hapuupuu	56,722	57,626
Crab (Kuahonu)	53,293	70,245
Kawakawa	50,291	13,614
Ulaula Koa (Onaga)	46,578	90,007
Pond catch, total	25,879	23,050

¹Shown separately for all species over 40,000 pounds or \$50,000.

²Includes species not shown separately.

Source: Hawaii State Department of Land and National Resources, Division of Fish and Game, *Commercial Fish Landings for Fiscal Year—July, 1974 through June, 1975* (January 1976).

Table 277.—COMMERCIAL LIMU HARVEST: 1963 TO 1975

Calendar year	Pounds taken	Pounds sold	Value (dollars)
1963	4,738	4,738	1,729
1964	12,271	12,266	2,956
1965	3,230	3,230	700
1966	—	—	—
1967	2,421	2,421	542
1968	355	355	112
1969	74,139	74,012	19,128
1970	49,427	49,302	16,166
1971	88,813	88,813	28,366
1972	96,563	96,460	34,838
1973	97,140	96,987	35,909
1974	46,366	45,885	23,899
1975	64,502	63,587	39,207

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

Table 278.—MINERAL OPERATIONS: 1958 TO 1972

Kind of operation and year	Establishments		All employees		Production, development, and exploration workers			Value added in mining (\$1,000)	Cost of supplies, etc. ¹ (\$1,000)	Value of shipments and receipts ² (\$1,000)	Capital expenditures ³ (\$1,000)
	Total	With 20 employees or more	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)				
MINERAL INDUSTRIES ONLY											
1958	20	8	421	1,724	367	746	1,426	4,550	2,001	5,847	704
1963	44	4	315	1,658	228	560	1,451	4,909	2,136	6,525	520
1967 ⁴	12	3	200	1,600	200	400	1,300	5,000	2,300	5,500	1,800
1972 ⁴	15	5	300	2,400	200	400	1,800	9,000	4,100	11,000	2,000
INCLUDING OPERATIONS IN MANUFACTURES											
1958	24	8	445	1,820	391	793	1,522	4,887	1,356	6,207	704
1963	49	4	339	1,758	312	607	1,551	5,677	1,985	7,462	520
1967	18	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1972	21	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

D Withheld to avoid disclosing figures for individual companies.

¹Data for mineral industries only include purchased machinery installed. Data including mineral operations in manufacturing establishments exclude purchased machinery installed.

²For crushed and broken stone, sand and gravel mining operations in manufacturing establishments, includes the estimated value of minerals produced and used in the same establishment in making manufactured products.

³Excludes data for crushed and broken stone, sand and gravel mining operations in manufacturing establishments.

⁴Excludes data for companies without paid employees. In 1963, there were 16 single-unit establishments without paid employees in Hawaii; these establishments accounted for approximately 3 percent of value added.

Source: U.S. Bureau of the Census, *U.S. Census of Mineral Industries* for 1963, MIC63(2)-10, table 1; 1967, MIC67(2)-10, table 1; and 1972, MIC72(2)-9, table 1.

Table 279.—MINERAL PRODUCTION: 1960 TO 1975

(Production as measured by mine shipments, sales, or marketable production, including consumption by producers.)

Year	Quantity (1,000 short tons)		Value (\$1,000)			
	Cement	Stone	Total	Cement	Stone	Other minerals ¹
1960	21	3,535	9,254	571	6,443	2,240
1961	202	4,429	14,588	5,574	7,656	1,358
1962	212	4,071	14,844	6,055	6,883	1,906
1963	279	3,844	15,307	7,125	6,480	1,702
1964	323	5,282	19,605	8,877	8,765	1,963
1965	294	5,172	20,835	8,297	9,353	3,185
1966	329	5,079	21,253	9,046	9,482	2,725
1967	262	4,100	16,936	7,360	7,207	2,369
1968	346	5,211	23,225	9,254	11,273	2,698
1969	390	6,534	29,539	10,544	16,059	2,936
1970	406	6,331	28,965	10,334	15,538	3,093
1971	386	6,056	28,107	10,627	14,357	3,123
1972	415	5,005	28,074	11,116	13,494	3,464
1973	469	7,180	35,147	13,750	18,466	2,931
1974	502	7,638	42,042	17,111	21,370	3,561
1975 ²	457	8,040	41,942	16,213	23,235	2,494

¹Chiefly sand and gravel; pumice, pumicite, and volcanic cinder; and lime.

²Preliminary.

Source: U.S. Bureau of Mines, *Minerals Yearbook* (annual) and "The Mineral Industry in Hawaii," *Mineral Industry Surveys* (annual preliminary and advance summary reports).

CONSTRUCTION AND HOUSING

This section presents statistics on construction activity and costs, the size and composition of the housing inventory, occupancy of housing, and residential financing.

There were 23,287 building permits issued in 1975, with an estimated value of \$739 million. The total included \$383 million for private residential construction and \$227 million for private nonresidential structures. The estimated value of construction put in place, as indicated by the contracting tax base, was \$1,027 million in 1974 and \$1,162 million in 1975. The value of land transfers reached an all-time peak of \$2,076 million in 1974 but fell to \$1,309 million in 1975. Mortgage loans outstanding amounted to \$3.2 billion. The March 1976 construction cost index for Honolulu was 188.2 for single-family residences and 193.2 for high-rise buildings, with the 1967 average equal to 100.

The number of housing units in the State increased from 166,000 in 1960 to 217,000 in 1970 and 271,000 in 1976. Owner occupied units numbered 56,000 in 1960 and 116,000 in 1975; the latter total included 85,000 on land owned in fee and 31,000 on leased land. Military and public housing accounted for 23,000 units as of 1976. Housing was in short supply throughout most of the past decade: on Oahu, the 1976 vacancy rate was only 3.0 percent, although 20 percent of all units turned over at least once during the year. The average selling price of single family homes on Oahu based on Multiple Listing Service data, was \$84,000 in 1975. Median monthly rent for the State rose from \$64 in 1960 to \$120 in 1970, and the Oahu rent-income ratio increased from 17.2 percent to 21.4 during the decade. The average property value of new homes insured by the Federal Housing Administration in Hawaii was \$21,600 in 1960 and \$46,600 in 1972—both figures well over national averages.

The principal sources for these data are the United States Census of Housing, an annual report on *FHA Homes, Data for States and Selected Areas*, the Honolulu Department of Housing and Community Development's *Housing and Community Development Research*, reports of county building departments, the Bank of Hawaii's *Construction in Hawaii*, and *Multiple Listing Service Statistical Review*. Mainland statistics appear in Section 27 of *Statistical Abstract of the United States: 1975*.

Table 280.—NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTY: 1958 TO 1975

Year	Number of building permits issued					Estimated value of building permits (\$1,000)				
	State total	Honolulu	Hawaii	Kauai	Maui	State total	Honolulu	Hawaii	Kauai	Maui
1958	12,709	9,971	1,279	122	1,337	108,401	99,144	5,243	1,666	2,348
1959	14,008	11,385	1,260	95	1,268	141,262	129,020	6,479	2,512	3,251
1960	16,351	13,157	1,406	166	1,622	178,539	164,098	6,616	1,898	5,927
1961	16,255	12,840	1,517	148	1,750	158,953	135,900	11,407	3,874	7,772
1962	17,726	14,569	1,426	167	1,564	200,767	179,229	10,638	2,786	8,114
1963	17,911	14,260	1,729	236	1,686	163,034	137,888	11,560	5,050	8,536
1964	18,129	14,683	1,799	322	1,325	184,045	145,873	19,449	8,375	10,348
1965	20,628	16,585	2,160	408	1,475	262,729	219,294	18,582	9,986	14,867
1966	19,700	15,210	2,419	339	1,732	294,172	255,176	17,965	5,612	15,419
1967	19,284	14,632	2,659	275	1,718	256,436	210,408	21,935	8,522	15,571
1968	21,262	16,997	2,126	389	1,750	405,618	345,600	22,535	14,627	22,856
1969	20,944	15,426	3,050	460	2,008	524,667	412,594	60,757	18,013	33,303
1970	23,162	16,792	3,402	514	2,454	506,649	386,687	61,362	15,777	42,823
1971	24,562	17,239	3,876	556	2,891	416,695	298,630	61,237	15,768	41,060
1972	25,342	17,706	3,982	862	2,792	508,261	364,835	69,016	25,741	48,669
1973	30,581	22,767	4,260	1,132	2,422	649,121	480,639	56,376	31,578	80,528
1974	26,027	19,169	3,635	1,066	2,157	831,897	594,896	85,350	36,745	114,906
1975	23,287	16,514	3,506	1,255	2,012	739,349	495,871	72,575	53,205	117,698

Source: City and County of Honolulu Department of Buildings, *Summary of Building Permits* (annual); Hawaii, Kauai and Maui County departments of public works, records.

Table 281.—VALUE OF BUILDING PERMITS, RESIDENTIAL AND NONRESIDENTIAL, BY COUNTIES: 1970 TO 1975

(In thousands of dollars. Limited to private construction, including additions, alteration, and repairs.)

Category and year	State total	City and Co. of Honolulu	Hawaii County	Kauai County	Maui County
RESIDENTIAL					
1970	224,147	173,815	23,226	8,690	18,417
1971	254,145	181,246	36,926	10,017	25,957
1972	323,756	228,104	42,657	19,808	33,188
1973	460,490	347,767	39,045	21,828	51,850
1974	538,869	376,170	49,995	19,992	92,711
1975	382,552	228,155	38,698	20,009	95,690
NONRESIDENTIAL					
1970	188,154	142,995	25,337	4,855	14,966
1971	113,709	86,047	19,236	3,126	5,299
1972	131,274	98,840	16,614	3,256	12,564
1973	137,873	94,123	11,666	6,799	25,284
1974	209,904	156,961	23,920	10,908	18,114
1975	227,272	179,006	11,018	16,086	21,163

Source: First Hawaiian Bank, as revised from local construction reports submitted to F. W. Dodge Division, McGraw-Hill Information Systems Company.

**Table 282.—PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION AUTHORIZED BY PERMIT,
BY COUNTY: 1970 TO 1975**

Subject	State total	City & Co. of Honolulu	Hawaii County	Kauai County	Maui County
New 1-family dwellings:					
1970	5,399	3,809	796	320	474
1971	5,802	3,771	1,014	348	669
1972	5,852	3,353	1,152	515	832
1973	5,420	3,008	1,143	424	845
1974	3,455	1,626	839	401	589
1975	3,042	1,078	826	343	795
New duplex units:					
1970	228	212	6	6	4
1971	100	70	28	—	2
1972	124	112	4	6	2
1973	326	312	6	4	4
1974	484	464	4	14	2
1975	242	112	12	16	102
New apartments:					
1970	5,122	3,957	389	67	709
1971	5,623	4,017	830	29	747
1972	9,023	6,952	850	365	856
1973	11,864	9,745	493	339	1,287
1974	15,203	11,070	990	501	2,642
1975	7,031	4,240	499	186	2,106
Units demolished:					
1970 ¹	930	642	100	112	76
1971	857	596	80	87	94
1972	956	669	70	82	135
1973	1,156	874	102	60	120
1974	983	703	162	73	45
1975	913	632	135	11	135

¹Hawaii and Maui Counties estimated.

Source: Compiled from County building departments by Dept. of Planning and Economic Development.

Table 283.—NEW HOUSING COMPLETED, BY PRICE RANGE AND SALES STATUS, FOR OAHU: 1974

Price group and sales status	Sales housing, fee simple				Sales housing, leasehold			
	Total	Single-family		Multi-family	Total	Single-family		Multi-family
		Detached	Attached			Detached	Attached	
Units completed	1,046	232	254	560	1,882	285	530	1,067
Price group:								
Under \$40,000	25	—	—	25	188	—	28	160
\$40,000 to \$49,999	193	18	—	175	723	—	472	251
\$50,000 to \$59,999	483	102	33	348	413	—	—	413
\$60,000 to \$69,999	205	—	193	12	141	—	—	141
\$70,000 to \$79,999	—	—	—	—	143	93	—	50
\$80,000 to \$89,999	25	—	25	—	116	72	—	44
\$90,000 to \$99,999	13	10	3	—	4	—	—	4
\$100,000 and over	102	102	—	—	154	120	30	4
Median (dollars)	56,300	59,600	64,900	52,300	50,700	86,900	46,800	53,000
Sales status:								
Sold before const. start	141	73	68	—	768	178	—	590
Speculative	905	159	186	560	1,114	107	530	477
Sold by end of year	543	123	93	327	538	67	305	166
Unsold	362	36	93	233	576	40	225	311
Percent unsold	40	23	50	42	52	37	42	65

Source: U.S. Department of Housing and Urban Development, Federal Housing Administration; Unsold Inventory Survey, January 1, 1975, records.

Table 284.—MULTIPLE LISTING SERVICE LISTINGS AND SALES, BY COUNTIES: 1975

County and type of unit	Units listed	Units sold		Selling price	
		Number	Percent	Amount (\$1,000)	Per unit (\$1,000)
State total	14,707	5,067	34.4	328,172	64.8
Single-family residential	5,473	2,503	45.7	204,204	81.6
1 and 2 bedrooms	377	160	42.4	10,385	64.9
3 bedrooms	3,191	1,577	49.4	117,037	74.2
4 or more bedrooms	1,905	766	40.2	76,782	100.2
Condominiums	5,884	1,837	31.2	102,502	55.8
Income, vacant, or co-op	3,350	727	21.7	21,466	29.5
City & Co. of Honolulu	10,624	4,081	38.4	293,943	72.0
Single-family residential	4,761	2,250	47.2	188,762	83.9
1 and 2 bedrooms	235	124	52.8	8,712	70.3
3 bedrooms	2,772	1,411	50.9	107,736	76.4
4 or more bedrooms	1,754	715	40.8	72,214	101.1
Condominium	5,215	1,689	32.4	94,076	55.7
Income, vacant, or co-op	648	142	21.9	11,105	78.2
Hawaii County	2,864	686	24.0	16,186	23.6
Single-family residential	461	168	36.4	8,813	52.4
1 and 2 bedrooms	84	28	33.3	1,208	43.1
3 bedrooms	283	105	37.1	5,105	48.6
4 or more bedrooms	94	35	37.2	2,500	71.4
Condominium	69	11	15.9	322	30.2
Income, vacant, or co-op	2,334	507	21.7	7,041	13.9
Kauai County	76	11	14.5	558	50.7
Single-family residential	12	1	8.3	70	70.0
1 and 2 bedrooms	3	—	0	—	—
3 bedrooms	7	—	0	—	—
4 or more bedrooms	2	1	50.0	70	70.0
Condominium	30	7	23.3	384	54.8
Income, vacant, or co-op	34	3	8.8	104	34.7
Maui County	1,144	288	25.2	17,484	60.7
Single-family residential	237	84	35.4	6,558	78.1
1 and 2 bedrooms	55	8	14.5	465	58.1
3 bedrooms	127	61	48.0	4,196	68.8
4 or more bedrooms	55	15	27.3	1,898	126.5
Condominium	570	130	22.8	7,710	59.3
Income, vacant, or co-op	337	74	22.0	3,216	43.4

Source: Data Communications Incorporated, *State of Hawaii Multiple Listing Service, Statistical Review* (semi-annual), as corrected.

Table 285.—GENERAL EXCISE TAX BASE FOR CONTRACTING AND RENTALS: 1958 TO 1975
(In thousands of dollars)

Year reported ¹	Contracting	Rentals		
		Total	Hotel rentals ²	All other rentals ³
1958	174,449	111,152	...	...
1959	206,822	134,060	...	...
1960	268,530	153,134	...	...
1961	267,340	171,162	...	...
1962	256,952	195,053	...	...
1963	265,223	208,073	...	...
1964	302,913	235,907	...	...
1965	338,557	275,906	...	...
1966	392,408	303,615	...	...
1967	346,778	362,320	...	...
1968	451,697	417,247	...	...
1969	624,957	490,856	...	...
1970	782,972	531,668	176,923	354,745
1971	692,938	573,606	198,539	375,067
1972	695,939	649,954	227,058	422,895
1973	904,629	761,447	264,519	496,928
1974	1,027,195	893,347	319,109	574,237
1975	1,161,913	1,019,792	365,919	653,873

¹Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

²Not reported separately prior to January 1970.

³Includes residential, office, automobile, and equipment rentals, and land leases.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual).

Table 286.—HONOLULU CONSTRUCTION COST INDEXES: 1965 TO 1976
(1967 = 100)

Year ¹	Single-family residence			High-rise building		
	All components	Materials prices	Labor ²	All components	Materials prices	Labor ²
1965	90.4	92.5	87.8	90.8	95.1	87.2
1966	95.6	97.0	94.0	95.8	98.6	93.2
1967	100.0	100.0	100.0	100.0	100.0	100.0
1968	106.7	106.6	106.8	105.2	102.3	107.6
1969	115.2	115.3	115.2	110.8	104.7	116.1
1970	118.0	112.9	124.5	117.9	109.3	125.2
1971	125.7	116.5	137.4	125.1	110.8	137.7
1972	135.2	123.1	150.6	133.6	114.6	150.0
1973	154.7	150.0	160.8	144.9	126.7	160.6
1974	164.6	159.0	171.6	163.7	154.6	175.6
1975	175.7	167.1	186.6	178.8	171.3	185.3
1976, June	192.7	175.4	214.5	198.0	178.0	215.4

¹Annual average unless otherwise specified.

²Wages and benefits.

Source: First Hawaiian Bank, records.

Table 287.—CHARACTERISTICS OF CONSTRUCTION INDUSTRIES AND SUBDIVIDERS AND DEVELOPERS: 1972

Industry	All establishments				With payroll		Without payroll	
	Number of establishments	Number of proprietors and working partners	All employees (average)	Total receipts (\$1,000)	Number of establishments	Total receipts (\$1,000)	Number of establishments	Total receipts (\$1,000)
Total	2,318	1,327	25,012	1,109,328	1,570	1,085,515	748	23,813
Construction industries	2,183	1,265	24,460	1,046,508	1,462	1,033,800	721	12,708
General building contractors and operative builders	703	343	9,900	563,928	571	560,684	132	3,244
Heavy construction general contractors	92	39	3,147	124,794	83	124,243	9	551
Special trade contractors	1,387	882	11,413	357,785	808	348,873	579	8,912
Subdividers and developers	135	62	552	62,819	108	51,715	27	11,104

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972, Pacific States*, CC72-A-9 (1975), p. 51-3.

**Table 288.—NUMBER OF DEEDS FILED AND RECORDED
AND APPROXIMATE VALUE OF LAND CONVEYED: 1958 TO 1975**

Year ended June 30	Number of deeds filed and recorded	Approximate value of land conveyed (dollars) ¹
1958	8,364	63,845,500
1959	9,440	112,377,000
1960	10,077	121,464,000
1961	9,481	119,661,400
1962	9,045	109,942,500
1963	11,061	101,987,000
1964	11,680	102,232,000
1965	12,175	101,482,100
1966	12,799	133,301,000
1967	11,643	218,966,000
1968	13,615	528,972,370
1969	14,683	809,639,656
1970	14,876	822,665,446
1971	16,036	969,486,762
1972	20,354	1,211,269,225
1973	21,874	1,736,756,401
1974	21,435	2,076,149,450
1975	17,892	1,308,805,819

¹Data before January 1967 limited to deeds; data for 1967 and later years include leases, agreement of sales assignments, subleases, etc., as well as deeds.

Source: Hawaii State Department of Land and Natural Resources, *Annual Report* (annual); Bureau of Conveyances, records.

Table 289.—REAL ESTATE MORTGAGE LOANS OUTSTANDING: JANUARY 1, 1940 TO 1975

Year	Amount (\$1,000)	Year	Amount (\$1,000)	Year	Amount (\$1,000)
1940 ¹	26,485	1964	770,011	1972	2,093,033
1950	106,076	1965	905,955	1973	2,424,166
1959	364,377	1966	1,022,725	1974	2,797,345
		1967	1,138,569	1975	3,210,216
1960	443,365	1968	1,228,091		
1961	508,095	1969	1,386,863		
1962	582,025	1970	1,579,560		
1963	664,864	1971	1,790,220		

¹Excludes insurance companies (1.6 percent of total in 1950).

Source: Hawaii State Department of Regulatory Agencies, Bank Examination Division and Insurance Division.

Table 290.—HOUSING CHARACTERISTICS: 1940 TO 1970

Year and county	All housing units	Population per occupied unit	Percent vacant ¹		Median number of rooms ¹	Percent in one-unit structures ¹
			For rent or sale	Other vacant		
1940	90,830	(NA)	4.4		4.2	78.9
1950	120,606	4.1	2.4	4.2	4.3	71.9
1960	165,506	3.9	2.7	4.8	4.5	74.2
1970	216,568	3.6	2.9	3.0	4.6	65.0
COUNTIES: 1970						
City & Co. of Honolulu	174,653	3.6	3.1	2.3	4.5	59.0
Hawaii County	18,972	3.6	2.5	6.3	4.8	88.4
Kauai County	9,021	3.5	2.3	5.5	4.8	91.0
Maui County	13,922	3.5	1.7	6.1	4.8	91.6
Year and county	Percent lacking some or all plumbing ¹	Occupied housing units			Owner occupied: median value ²	Renter occupied: median rent ³
		Number	Percent owner occupied	Percent 1.01 or more persons per room		
1940	(NA)	86,855	25.4	38.4	2,540	17
1950	38.8	112,290	33.0	30.8	12,283	32
1960	(NA)	153,064	41.1	25.7	20,900	64
1970	5.6	203,088	46.9	19.9	35,100	120
COUNTIES: 1970						
City & Co. of Honolulu	3.3	164,763	45.0	19.9	38,100	130
Hawaii County	16.3	17,260	56.9	20.4	25,000	56
Kauai County	15.2	8,282	45.7	20.1	26,300	40
Maui County	13.1	12,783	58.5	19.1	23,500	46

NA Not available.

¹Data for 1970 limited to year-round housing units (215,897 for the State).

²In dollars. Value of land and building combined. Except for 1940, excludes units in multi-unit structures. Data for 1950 exclude units on leased land.

³In dollars. Contract monthly rent, excluding rent free units.

Source: *U.S. Census of Housing: 1940, General Characteristics, Hawaii*; *U.S. Census of Housing: 1950, Bulletin H-A52*; *U.S. Census of Housing: 1960, Final Report HC(1)-13*; *U.S. Census of Housing: 1970, Final Report HC(1)-A13*.

Table 291.—HOUSING CHARACTERISTICS: 1960 AND 1970

Subject	1960: percent	1970: percent		
		State total	City & Co. of Honolulu	Other counties
Year-round housing units:¹				
With more than one bathroom	21.5	39.6	40.9	34.4
In structures built previous 10 years	36.0	39.8	42.8	27.3
With air conditioning ²	1.5	11.3	13.2	2.9
With 3 or more bedrooms	46.3	52.8	50.9	60.7
Occupied housing units:				
Moved into unit previous 15 months	30.8	29.7	32.4	17.8
With 2 or more automobiles available	25.4	42.9	41.3	49.5
With clothes washing machine	80.1	74.7	73.7	79.0
With clothes dryer	7.6	28.4	31.5	15.4
With dishwasher	(NA)	17.1	19.3	7.5
With home, food freezer	18.8	21.0	18.4	31.9
With television	77.9	93.4	94.4	88.9
Owned second home	(NA)	4.2	4.0	5.0

NA Not available.

¹Data for 1960 include a few vacant seasonal or migratory housing units.

²Data for 1960 limited to occupied housing units.

Source: U.S. Census of Housing: 1960, Final Report HC(1)-13, and U.S. Census of Housing: 1970, Final Report HC(1)-B13.

Table 292.—PLUMBING FACILITIES AND DILAPIDATION: 1960 AND 1970

Subject	1960 ¹	1970 ²
All year-round housing units	163,787	215,892
Oahu	125,088	174,098
Other islands	38,699	41,794
"Substandard" units ³	32,634	28,802
Oahu	16,688	19,258
Other islands	15,946	9,544
Percent "substandard" ³	19.9	13.3
Oahu	13.3	11.1
Other islands	41.2	22.8

¹As enumerated.

²Number dilapidated with all plumbing facilities estimated; see source for methodology.

³Lacking some or all plumbing facilities, or dilapidated. The corresponding U.S. percentages were 17.3 in 1960 and 9.5 in 1970.

Source: U.S. Bureau of the Census, *Census of Housing: 1970, Final Report HC(6), Plumbing Facilities and Estimates of Dilapidated Housing* (1973), pp. 1-5, 13-3, and 13-4.

Table 293.—TENURE AND CONTROL OF HOUSING: 1958 TO 1976

Year	All housing units ¹	Owner occupied units ²		Renter occupied and vacant units ³		
		Land owned	Land leased	Private ¹	Federal	State and County
1958	149,156	47,823	4,891	82,713	9,036	4,693
1959	154,950	48,767	5,566	85,556	10,574	4,502
1960	165,506	49,798	6,247	92,805	12,115	4,541
1961	171,409	51,227	7,300	94,753	13,427	4,702
1962	174,383	51,967	8,128	95,930	13,630	4,728
1963	178,181	52,941	9,273	97,828	13,579	4,560
1964	181,973	54,171	10,981	98,685	13,397	4,739
1965	186,208	55,242	11,332	100,761	13,658	5,215
1966	192,781	57,371	14,073	101,459	14,254	5,624
1967	199,016	59,403	14,988	104,083	14,958	5,584
1968	204,248	63,115	16,708	103,760	14,952	5,713
1969	209,598	65,164	18,585	105,337	14,236	6,276
1970	216,774	68,422	20,802	106,821	14,439	6,290
1971	224,585	72,086	21,732	109,367	15,089	6,311
1972	232,009	75,939	24,565	110,350	14,959	6,196
1973	240,265	78,878	26,776	113,457	15,071	6,083
1974	250,697	82,494	30,333	115,237	16,373	6,260
1975	261,197	85,264	30,543	122,707	16,386	6,297
1976	270,646	(NA)	(NA)	(NA)	17,225	6,192
COUNTIES:						
1976						
Honolulu	214,078	(NA)	(NA)	(NA)	17,120	4,906
Hawaii	24,522	(NA)	(NA)	(NA)	23	618
Kauai	10,780	(NA)	(NA)	(NA)	62	220
Maui	21,266	(NA)	(NA)	(NA)	20	448

NA Not available.

¹Data before 1960 refer to "dwelling units". Based on the earlier definition, there were approximately 162,714 dwelling units in the State in 1960, including 90,013 renter occupied or vacant privately controlled units. All data refer to April 1.

²As indicated by the number of taxpayers granted home exemptions. Owner occupants of condominium apartments are excluded prior to 1962; owner occupants of cooperative apartments, prior to 1964. Data for 1958-1968 refer to January 1; data for 1969-1976, to July 1. The number of owner occupied units reported by the decennial census is somewhat higher than the number based on taxpayer home exemptions, chiefly because of differences in definitions.

³Housing owned by the Navy but controlled by the Hawaii Housing Authority is included with State totals. Housing for teachers and school custodians, formerly operated by the Counties and now by the State, is included with private housing totals through 1964 and thereafter with the State totals. Data for both Federal and State agencies include housing leased by these agencies from private owners. All data as of April 1.

Source: Honolulu Redevelopment Agency, *Redevelopment and Housing Research*, No. 33 (July 1973), pp. 15-16, and No. 34 (July 1974), p. 5; Honolulu Department of Housing and Community Development, *Housing and Community Development Research*, No. 35 (July 1975), pp. 10, 13 and 14, and No. 36 (July 1976), forthcoming.

Table 294.—POSTAL VACANCY SURVEYS OF OAHU: 1955 TO 1976

Survey date	All possible deliveries ¹	Vacant units				Under construction
		Used and new		Used ²	New ²	
		Number	Percent			
1955: Feb. 16	100,600	1,334	1.3	(NA)	(NA)	1,054
1956: Mar. 5-9	104,333	1,734	1.7	(NA)	(NA)	1,522
1959: May 12-14	119,800	1,982	1.7	(NA)	(NA)	6,927
1960: October	118,992	3,264	2.7	959	894	6,377
1961: Oct. 16-20	121,750	3,615	3.0	1,847	885	2,825
1963: Sept. 18	131,214	3,368	2.6	2,365	487	4,836
1965: Sept. 14-30	130,234	3,106	2.4	2,044	1,062	4,902
1967: Feb. 27-Mar. 2	145,032	2,713	1.9	1,915	798	3,631
1969: Feb. 12-16	156,175	1,812	1.2	1,188	624	5,873
1970: Feb. 9-18	162,835	2,715	1.7	1,700	1,015	6,704
1971: Apr. 23-May 4	175,359	3,956	2.3	2,038	1,918	3,727
1972: Feb. 24-28	192,848	3,289	1.7	1,490	1,799	6,361
1973: Feb. 15-22	189,209	2,805	1.5	1,163	1,642	9,217
1974: Mar. 12-14	200,924	4,013	2.0	1,862	2,151	5,313
1975: Feb. 11-26	207,812	4,765	2.3	2,367	2,398	7,438
1976: Feb. 4-18	197,899	5,930	3.0	2,698	3,232	5,474

NA Not available.

¹Data before 1965 refer to "dwelling units" or "housing units" rather than "deliveries" and are not exactly comparable to data for 1965 and later years.

²Limited to privately owned housing before 1965.

Source: U.S. Department of Housing and Urban Development, Federal Housing Administration, releases.

Table 295.—POSTAL VACANCY SURVEYS OF THE NEIGHBOR ISLANDS: 1967 TO 1976

Place and date	All possible deliveries	Vacant units				Under construction
		Used and new		Used	New	
		Number	Percent			
Hilo:						
1967: Feb. 27-Mar. 1	7,937	195	2.5	138	57	98
1970: Feb. 12	7,303	51	0.7	31	20	131
1971: May 11	7,957	121	1.5	73	48	294
1972: Feb. 28	8,174	139	1.7	50	89	500
1973: Feb. 22	9,055	296	3.3	130	166	475
1974: Mar. 18	9,812	355	3.6	160	195	263
1975: Feb. 13	11,323	362	3.2	235	127	79
1976: Feb. 18	10,317	166	1.6	131	35	155
Kauai:¹						
1967: Feb. 27-Mar. 1	1,896	64	3.4	37	27	48
1969: June 18-24	2,518	24	1.0	22	2	104
1970: Feb. 10	2,263	42	1.9	33	9	44
1971: July 31	2,212	12	0.5	6	6	54
1973: Feb. 20-21	2,722	13	0.5	12	1	56
1974: Apr. 8	2,849	8	0.3	3	5	95
1975: Mar. 12-25	3,039	23	0.8	5	18	143
1976: Feb. 6-20	3,314	20	0.6	12	8	66
Maui:						
1967: Feb. 27-Mar. 1 ²	4,774	39	0.8	27	12	80
1970: Feb. 10-12 ³	6,531	36	0.6	29	7	325
1971: July 31 ²	6,225	34	0.5	30	4	126
1973: Feb. 27 ³	9,304	79	0.8	67	12	83
1974: Mar. 14-20 ³	8,353	126	1.5	88	38	881
1975: Feb. 11-21 ²	6,973	172	2.5	21	151	277
1976: Feb. 3-4 ²	6,789	180	2.7	43	137	62

¹Kapaa and Lihue only.

²Kahului and Wailuku only.

³Kahului, Lahaina, and Wailuku only.

Source: U.S. Department of Housing and Urban Development, Federal Housing Administration, releases.

Table 296.—AVERAGE VALUES FOR HOMES INSURED UNDER F.H.A. SECTION 203: 1939 TO 1972

Type of home and year	Property value (dollars)	Market price of site		Improved living area (square feet)	Lot size (square feet)	Dollars per square foot		
		Amount (dollars)	Pct. of property value			Sale price	Site price	Const. cost
New homes:								
1939 ¹	5,176	1,094	21.1	(NA)	9,200	(NA)	0.12	(NA)
1954	14,451	4,670	32.3	944	(NA)	(NA)	(NA)	(NA)
1960	21,622	6,502	30.1	1,063	(NA)	17.50	(NA)	(NA)
1966	27,533	11,259	40.9	1,091	7,363	23.08	1.68	16.13
1971	42,618	17,247	40.5	1,192	7,158	34.47	2.52	21.20
1972	46,609	18,026	38.7	1,211	6,951	35.83	2.74	23.89
Existing homes:								
1939:	5,324	1,813	34.1	(NA)	(NA)	(NA)	(NA)	...
1954	16,215	5,382	33.2	1,064	(NA)	(NA)	(NA)	...
1960	20,093	6,396	31.8	1,022	(NA)	18.34	(NA)	...
1966	27,595	12,437	45.1	1,046	7,350	22.30	1.92	...
1971	40,209	15,917	39.6	1,089	7,154	34.44	2.38	...
1972,	41,611	16,924	40.7	1,041	6,860	38.88	2.66	...

NA Not available.

¹1937 data for lot size and site price per square foot.

Source: *Annual Report of the Federal Housing Administration* (annual, 1937-1954); U.S. Department of Housing and Urban Development, *FHA Homes. Data for States and Selected Areas* (annual, 1960-1972).

Table 297.—HAWAII HOUSING AUTHORITY OPERATIONS: 1970 TO 1975

Year	Units managed by HHA ¹		Population in units ¹	Operating revenues of HHA ² (\$1,000)		Operating revenues per unit per mo. ² (dollars)	Total assets ¹ (\$1,000)	Average rent charged ² (dollars)
	Total	Occupied		Gross	Net			
1970	4,974	4,737	19,791	4,991	48	87.79	69,522	79.01
1971	4,917	4,683	18,806	6,238	54	111.00	75,003	67.61
1972	5,403	5,333	19,368	6,006	22	93.84	80,848	70.05
1973	5,406	5,361	19,078	6,175	19	95.98	82,060	73.26
1974	5,547	5,407	18,898	6,940	100	106.95	72,826	84.94
1975	5,442	5,419	18,175	7,186	422	106.85	81,169	67.88

¹As of June 30.

²Year ended June 30.

Source: Hawaii Housing Authority, records.

Table 298.—TALLEST STRUCTURES ON OAHU: JUNE 1976

Category and name of structure	Address	Year built	Height	
			Stories	Feet
Apartment houses:				
Discovery Bay	1778 Ala Moana	1976	42	350
Regency Tower	2525 Date St.	1974	42	350
Yacht Harbor Towers	1600 Ala Moana	1972	40	350
Older buildings:¹				
Contessa	2825 So. King St.	1971	37	348
Foster Tower	2500 Kalakaua Ave.	1962	25	250
Rosalei	445 Kaiolu St.	1955	12	95
Hotels:				
Ala Moana Hotel	410 Atkinson Drive	1970	38	390
Hyatt Regency Hotel	2424 Kalakaua Ave.	1976	39	350
Older hotels:¹				
Ilikai	1777 Ala Moana	1964	26	260
Princess Kaiulani Hotel	120 Kaiulani Ave.	1955	11	131
Waikiki Biltmore Hotel ²	2424 Kalakaua Ave.	1955	11	96
Royal Hawaiian Hotel	2259 Kalakaua Ave.	1927	6	150
Alexander Young Hotel	Bishop St. at So. Hotel St.	1903	6	95
Moana Hotel	2365 Kalakaua Ave.	1901	6	80
Office buildings:				
Pacific Trade Center	1058 Alakea St.	1972	30	350
Ala Moana Building	1441 Kapiolani Blvd.	1960	25	300
Older buildings:¹				
Aloha Tower	Pier 9, foot of Fort St.	1925-26	10	184
Stangenwald Bldg.	119 Merchant St.	1901	6	(NA)
Judd Building ³	851 Fort St. at Merchant	1899	4	(NA)
Towers:				
VLF Antenna ⁴	Lualualei	1972	...	1,503
Older towers:¹				
KGMB-TV	1534 Kapiolani Blvd.	c. 1966	...	436
American Marconi Co.	Kahuku	1914	...	608
Federal Telegraph Co.	Heeia	1912	...	438
Dole Water Tower	650 Iwilei Rd.	1927	...	199
Other structures:				
Tripler Army Hospital	Moanalua	1948	14	189
Central Union Church	1660 So. Beretania St.	1924	...	160
Central Union Church	So. Beretania at Richards St.	1892	...	160
Kawaiahao Church ⁵	957 Punchbowl St.	1835-42	...	80

NA Not available.

¹Older structures, no longer the tallest on Oahu, which at the time of completion were among the tallest in their category.

²Demolished 1974.

³The Judd Building was the first 4-story structure in Hawaii. A fifth story was later added and the name of the building was changed. It is now the First Federal Savings and Loan Building.

⁴VLF Antenna of the Radio Transmitting Facility, Lualualei, of the Naval Communications Station, Honolulu. Consists of two towers, each 1,503 feet, completed in August 1972.

⁵Present height; it was somewhat higher before removal of the steeple in 1885.

Source: Honolulu Department of Housing and Community Development, "High-rise and Elevator Structures in Hawaii," *Housing and Community Development Research*, No. 36, July 1976.

**Table 299.—CHANGES IN THE NUMBER OF ELEVATORS:
1965 TO 1975**

Year	Added	Removed	In operation, December 31
1965 .....	...	...	912
1966	120	13	1,019
1967	140	14	1,145
1968	120	13	1,252
1969	170	19	1,403
1970	270	24	1,649
1971	210	19	1,840
1972	200	17	2,023
1973	175	58*	2,141
1974	190	7	2,324
1975	248	4	2,568

*Reflects deletion of 40 workmen's hoists (not used as elevators) from coverage.

Source follows table 300.

Table 300.—ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES: DECEMBER 31, 1970 AND 1975

Facility	State totals		Geographic location: 1975						
	1970	1975	Oahu	Hawaii Co.		Maui Co.			Kauai Co.
				Hilo	Kona	Kahului, Wailuku	Kihei, Lahaina	Lanai	
Total	1,649	2,618	2,285	78	53	60	113	1	28
Elevators	1,357	2,183	1,893	60	51	48	107	1	23
Under 9 stories	762	1,203	963	51	51	46	76	1	15
Hydro	190	356	272	16	12	17	33	1	5
Roped	572	847	691	35	39	29	43	—	10
9 to 18 stories	423	677	632	9	—	2	26	—	8
19 to 28 stories	125	214	209	—	—	—	5	—	—
29 to 38 stories	47	79	79	—	—	—	—	—	—
39 stories or more ...	—	10	10	—	—	—	—	—	—
Escalators	94	154	152	2	—	—	—	—	—
Moving ramps	4	4	4	—	—	—	—	—	—
Man lifts	14	11	11	—	—	—	—	—	—
Dumbwaiters	158	212	177	16	2	10	2	—	5
Workmen's hoists	20	50	47	—	—	—	3	—	—
Other facilities	2	4	1	—	—	2	1	—	—

Source of tables 299 and 300: Hawaii State Department of Labor and Industrial Relations, Division of Occupational Safety and Health, records.

MANUFACTURES

This section presents statistics on the manufacturing segment of the economy, including sugar processing and pineapple canning.

The number of manufacturing establishments in Hawaii increased from 618 in 1958 to 697 in 1967 and 773 in 1972. The value added by manufacture rose from \$165 million in 1958 to \$261 million in 1963, \$326 million in 1967, and \$410 million in 1972. About 78 percent of all manufacturing activity in the State was on Oahu in 1972. Food processing—mostly sugar and pineapple—accounted for more than half of the value added by manufacture in that year. Between 1965 and 1975, the general excise and use tax base increased 297 percent for sugar processing, 6 percent for pineapple canning, and 128 percent for all other manufacturing. There were three pineapple canneries and 17 sugar mills in Hawaii in mid-1976. The production of canned pineapple fruit and juices in 1973–1974 dropped to 22.5 million actual cases, well below the levels of earlier years, but fresh pineapple sales reached a new high. Sugar production in 1975 amounted to 1.1 million short tons, about the same level as in other recent years. The value of production (including raw sugar and commercial molasses) was \$366 million, well below the record set in 1974 but still the second best year in Island history.

Sources for data on this subject include the United States Census of Manufactures, most recently taken as of 1972, the Annual Survey of Manufactures, and publications of the Hawaii State Department of Labor and Industrial Relations and Department of Taxation, Hawaiian Sugar Planters' Association, and Pineapple Growers Association of Hawaii. Statistics for the nation as a whole appear in Section 28 of the *Statistical Abstract of the United States: 1975*.

Table 301.—MANUFACTURING: 1958 TO 1973

Year ¹	Establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of industry shipments (million dollars)	Capital expenditures, new (million dollars)
	Total	With 20 employees or more	Number	Payroll (million dollars)	Number	Man-hours (millions)	Wages (million dollars)				
1958	618	179	23,896	82.2	17,823	31.9	51.8	164.9	(NA)	(NA)	17.2
1959	(NA)	(NA)	25,962	93.1	19,397	35.9	61.8	197.1	(NA)	(NA)	(NA)
1960	(NA)	(NA)	23,456	89.4	17,358	32.7	56.6	183.2	(NA)	(NA)	60.6
1961	(NA)	(NA)	23,238	93.4	16,840	31.2	57.4	204.5	(NA)	(NA)	31.5
1962	(NA)	(NA)	22,645	94.0	16,159	29.9	57.5	199.0	(NA)	(NA)	14.2
1963	672	203	25,144	109.0	18,722	33.2	67.5	261.1	(NA)	(NA)	15.4
1964	(NA)	(NA)	25,000	113.7	18,300	33.1	69.4	268.8	372.0	638.4	17.7
1965	(NA)	(NA)	25,400	118.1	18,700	34.0	73.5	292.1	365.9	655.5	17.2
1966	(NA)	(NA)	24,800	123.8	18,700	34.3	78.2	310.8	371.5	680.9	24.1
1967	697	215	25,400	139.6	19,000	35.9	86.9	326.2	399.6	723.4	26.0
1968	(NA)	(NA)	23,200	134.0	17,400	32.2	83.3	353.9	381.9	737.1	15.6
1969	(NA)	(NA)	23,900	145.3	17,900	33.2	90.8	351.0	408.3	758.1	19.8
1970	(NA)	(NA)	24,800	168.7	18,100	35.3	102.8	408.6	451.1	856.9	40.5
1971	(NA)	(NA)	24,400	176.6	17,500	34.3	105.7	435.0	465.9	899.9	28.0
1972	773	238	24,800	191.1	17,700	33.1	113.7	410.0	548.3	955.6	46.7
1973	(NA)	(NA)	24,300	195.5	17,500	31.9	117.9	496.1	592.9	1,086.4	36.6

NA Not available.

¹Data for 1958, 1963, 1967 and 1972 are from the Census of Manufactures for those years. Data for other years are from the Annual Survey of Manufactures and are subject to considerable sampling variation. Because of changes in definitions over time, data are not entirely comparable from year to year; see sources for discussion.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963*, MC63(3)-12, table 2; *Census of Manufactures, 1967*, MC67(3)-12, table 2; and *Census of Manufactures, 1972*, MC72(3)-12, table 2; *Annual Survey of Manufactures, 1973*, M73(AS)-6, p. 205.

Table 302.—MANUFACTURING, BY GEOGRAPHIC AREA: 1972

Standard metropolitan statistical area, county, and city	Establishments		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materials (million dollars)	Value of ship- ments (million dollars)	Capital expen- ditures, new (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man- hours (millions)	Wages (million dollars)				
Hawaii, total	773	238	25.0	191.7	17.7	33.1	113.8	410.3	548.5	956.1	47.2
STANDARD METROPOLITAN STATISTICAL AREA											
Honolulu	612	193	19.6	148.9	13.9	25.4	85.9	321.2	412.4	731.8	33.1
COUNTIES											
Hawaii	85	24	2.5	20.4	1.7	3.4	12.8	49.8	51.9	101.4	10.7
Honolulu	612	193	19.6	148.9	13.9	25.4	85.9	321.2	412.4	731.8	33.1
Kauai	28	8	.8	5.8	.6	1.1	4.0	13.0	28.9	42.0	1.4
Maui	48	13	2.1	16.5	1.6	3.3	11.0	26.3	55.3	80.9	2.1
CITIES WITH 450 OR MORE EMPLOYEES											
Ewa Beach and Barbers Point	8	6	.5	5.4	.4	.7	3.8	15.9	30.8	46.4	11.9
Hilo	57	11	.9	6.9	.6	1.1	3.9	14.1	9.1	23.0	.6
Honolulu	534	169	17.1	126.6	12.2	22.3	72.6	261.1	282.5	542.5	16.8
Kahului	5	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Waipahu	11	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Footnotes and source follow table 303.

Table 303.—MANUFACTURING, BY INDUSTRY GROUP AND INDUSTRY: 1972

Ind. code	Industry group and industry	Establishments		All employees		Production workers		Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)
		Total	With 20 employees or more	Number (1,000)	Payroll (million dollars)	Number	Man-hours (millions)			
	All manufacturing	733	238	25.0	191.7	17.7	33.1	410.3	548.5	956.1
20	Food and kindred products	209	70	11.9	87.8	8.8	17.0	215.4	308.3	513.0
201	Meat products	18	8	0.4	2.7	0.3	0.5	5.9	24.0	30.0
202	Dairy products	11	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)
203	Preserved fruits, vegetables	38	5	4.9	28.2	4.4	8.0	70.5	71.3	141.8
2033	Canned fruits, vegetables	15	5	4.8	27.4	4.3	7.8	69.0	69.4	138.4
204	Grain mill products	8	6	0.2	1.7	0.1	0.2	5.6	20.9	26.5
205	Bakery products	18	8	0.7	6.3	0.4	0.8	11.4	7.8	19.3
206	Sugar, confectionery products ..	37	24	3.8	32.8	2.6	5.4	76.7	136.5	202.7
2061	Raw cane sugar	18	18	3.4	29.5	2.3	4.8	67.1	110.4	177.5
208	Beverages	21	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)
209	Misc. foods, kindred products ..	56	6	0.7	4.5	0.5	1.1	9.4	13.3	22.7
23	Apparel, other textile products ...	120	55	3.3	15.4	2.9	5.2	29.6	17.4	46.4
24	Lumber and wood products	38	12	0.9	7.4	0.7	1.3	13.1	12.4	25.3
25	Furniture and fixtures	26	11	0.7	5.1	0.4	0.7	7.9	11.1	18.4
26	Paper and allied products	11	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
27	Printing and publishing	117	21	2.5	22.8	1.3	2.2	46.2	17.3	63.6
28	Chemicals and allied products	21	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)
29	Petroleum and coal products	5	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
30	Rubber, misc. plastics products ...	11	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)
32	Stone, clay, glass products	42	13	1.1	12.3	0.8	1.6	31.8	24.7	56.5
33	Primary metal industries	3	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
34	Fabricated metal products	33	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)
35	Machinery, except electrical	28	3	0.4	3.4	0.3	0.5	4.8	3.6	7.7
37	Transportation equipment	6	2	0.2	2.1	0.2	0.3	2.7	2.5	5.2
39	Misc. manufacturing industries ...	55	9	0.8	4.0	0.7	1.2	6.9	4.8	11.9
	Administrative and auxiliary	22	14	0.9	11.9	—	—	—	—	—

(D) Withheld to avoid disclosing figures for individual companies.

Source of tables 302 and 303: U.S. Bureau of the Census, *Census of Manufactures, 1972, Hawaii*, MC72(3)-12.

Table 304.—PINEAPPLE CANNERIES AND SUGAR MILLS: 1958 TO 1975

Year	Pineapple canneries ¹	Sugar ²	
		Companies	Mills
1958	9	27	27
1959	9	27	27
1960	9	27	27
1961	9	27	27
1962	8	27	27
1963	6	26	27
1964	6	26	27
1965	6	25	27
1966	6	25	27
1967	6	25	26
1968	6	25	26
1969	6	24	26
1970	4	23	26
1971	4	23	26
1972	4	21	23
1973	4	19	21
1974	3	17	20
1975	3	16	17
ISLANDS: 1975			
Hawaii	—	6	7
Maui	1	3	4
Oahu	2	2	2
Kauai	—	5	4

¹Variable dates, usually after the end of the canning season.

²As of December 31.

Source: The Pineapple Growers Association of Hawaii, records; Hawaiian Sugar Planters' Association, records.

**Table 305.—GENERAL EXCISE TAX BASE FOR SUGAR PROCESSING, PINEAPPLE CANNING,
AND MANUFACTURING: 1958 TO 1975**
(In thousands of dollars)

Year reported ¹	Total	Sugar processing	Pineapple canning	Manufacturing ²
1958	278,525	67,358	107,300	103,867
1959	341,945	113,865	98,957	129,123
1960	341,757	99,079	96,939	145,739
1961	380,689	118,398	93,777	168,514
1962	392,628	135,328	99,143	158,157
1963	416,615	146,761	99,353	170,501
1964	436,741	148,103	109,808	178,830
1965	465,203	152,701	123,761	188,741
1966	490,119	178,909	105,747	205,463
1967	521,122	171,155	131,695	218,272
1968	533,288	184,663	114,554	234,071
1969	592,692	196,744	116,466	279,482
1970	575,222	175,337	114,634	285,251
1971	599,686	190,209	124,548	284,929
1972	638,059	205,962	124,265	307,833
1973	692,715	213,095	123,597	356,023
1974 (rev.)	934,613	454,660	103,686	376,268
1975	1,166,923	605,521	131,655	429,748

NA Not available

¹Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

²Excludes sugar processing and pineapple canning.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release).

Table 306.—HAWAIIAN PINEAPPLE PRODUCTION: 1958 TO 1976
(Hawaiian pack only; excludes overseas production by Hawaiian companies.)

Pack year ended May 31	Canned fruit		Canned juice		Frozen concentrate		Value ¹ (millions of dollars)
	1,000 actual cases	1,000 standard cases ²	1,000 actual cases	1,000 standard cases ³	1,000 equivalent 6/10 cases	1,000 standard cases ³	
1958-1959	17,677	12,863	12,454	9,682	1,170	1,071	128.8
1959-1960	17,287	12,584	10,850	8,435	841	770	127.0
1960-1961	18,462	13,240	11,574	8,839	724	662	117.8
1961-1962	18,122	13,130	11,759	9,142	450	412	116.2
1962-1963	18,457	13,177	11,938	9,199	728	666	113.4
1963-1964	17,645	12,731	11,150	8,700	1,185	1,084	122.0
1964-1965	16,301	11,520	10,428	8,000	1,041	953	124.1
1965-1966	17,833	12,595	11,881	9,200	1,019	932	123.2
1966-1967	19,005	13,168	11,323	8,800	1,062	972	124.5
1967-1968	17,002	11,994	10,794	8,400	643	588	130.5
1968-1969	17,728	12,116	10,930	8,600	692	633	125.0
1969-1970	16,971	11,596	11,814	9,000	731	669	123.0
1970-1971	17,718	12,028	10,590	8,100	1,016	929	135.0
1971-1972	17,961	12,537	11,004	8,400	789	722	137.7
1972-1973	15,891	11,108	9,282	7,400	633	580	140.5
1973-1974	14,042	9,550	8,470	6,600	886	810	135.0
1974-1975	11,584	8,110	5,643	4,400	438	610	118.2
1975-1976	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	126.6

NA Not available.

¹Value of canned fruit and juices and byproducts shipped out-of-State and sold within State, as estimated by the Bank of Hawaii. Excludes fresh market sales.

²24 #2½ can, 45-lb. cases.

³24 #2½ can, 42½-lb. cases.

Source: The Pineapple Growers Association of Hawaii, *Pineapple Fact Book/Hawaii 1973* (January 1973), p. 18, and records; Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (annual), and records.

**Table 307.—EMPLOYMENT AND EARNINGS IN THE PINEAPPLE INDUSTRY:
1970 TO 1974**

(Includes both field and cannery employment and earnings.)

Year	Full-time equivalent employment	Total wages and salaries (dollars)	Earnings per full-time equivalent employee (dollars)
1970	8,087	51,582,000	6,378
1971	7,404	51,195,757	6,915
1972	7,110	48,527,957	6,825
1973	5,759	42,613,741	7,400
1974	4,894	37,649,653	7,693

Source: The Pineapple Growers Association of Hawaii, *Pineapple Fact Book/Hawaii 1973* (January 1973), pp. 4 and 7; Hawaii Employers Council, unpublished estimates for 1972-1974.

Table 308.—SUGAR PRODUCTION: 1958 TO 1975

Year	Cane land (acres)		Cane used for sugar (short tons)		Sugar produced (short tons)		Average New York raw sugar price cwt. (dollars)	Average daily earnings of workers (dollars) ¹	Field worker man-hours per ton (raw value)
	Total area	Harvested area	Total	Per acre	Converted to 96° raw value	Equivalent refined			
1958	221,683	84,136	7,552,750	89.77	764,953	714,925	6.27	12.78	18.02
1959	222,588	110,371	9,416,225	85.31	974,632	910,891	6.24	12.84	16.90
1960	224,617	103,584	8,613,317	83.15	935,744	874,546	6.31	13.18	16.72
1961	227,027	108,320	9,595,342	88.58	1,092,481	1,021,033	6.30	14.11	13.90
1962	228,926	108,600	9,812,580	90.36	1,120,011	1,046,762	6.45	14.96	13.76
1963	231,321	107,436	10,033,969	93.39	1,100,768	1,028,777	8.20	16.68	13.56
1964	233,145	110,759	10,495,175	94.76	1,178,770	1,101,678	6.90	17.60	11.76
1965	235,576	109,600	10,737,507	97.97	1,217,667	1,138,033	6.75	18.40	10.82
1966	237,499	111,005	10,969,925	98.82	1,234,121	1,153,409	6.99	19.76	10.50
1967	239,813	111,837	11,045,949	98.74	1,191,042	1,113,148	7.28	21.35	10.64
1968	242,476	113,525	11,279,920	99.36	1,232,182	1,151,597	7.52	21.62	9.98
1969	242,216	113,232	10,839,272	95.73	1,182,414	1,105,060	7.75	23.26	9.44
1970	238,997	113,816	10,457,377	91.88	1,162,071	1,086,000	8.08	24.24	9.50
1971	232,278	115,810	10,685,019	92.26	1,229,976	1,149,510	8.52	26.08	9.04
1972	229,611	108,456	9,929,068	91.55	1,118,883	1,045,708	9.10	29.09	9.22
1973	226,580	108,189	9,645,452	89.15	1,128,529	1,054,723	10.30	30.86	9.20
1974	224,227	95,826	9,082,684	94.76	1,040,742	972,677	29.43	32.92	9.32
1975	221,426	105,125	9,485,299	90.23	1,107,199	1,034,788	22.47		

NA Not available

¹ Cash wage only, excluding the value of employee benefits.

Source: Hawaiian Sugar Planters' Association, *HSPA Sugar Manual 1975*, pp. 8-11, and records.

Table 309.—VALUE OF SALES AND GOVERNMENT PAYMENTS FOR PINEAPPLE AND SUGAR PRODUCTION: 1958 TO 1975

Year	Pineapple (\$1,000,000)		Sugar (\$1,000)		
	Canned fruit and juices ¹	Fresh market sales ²	Value of production ³		Government payments
			Raw sugar 96°	Commercial molasses	
1958	128.8	1.3	93,371	4,593	7,430
1959	127.0	1.3	118,609	4,303	9,293
1960	117.8	1.6	113,618	4,768	8,779
1961	116.2	1.3	130,912	5,564	9,965
1962	113.4	1.6	142,102	7,224	10,177
1963	122.0	1.7	171,309	10,417	10,019
1964	124.1	2.8	149,415	5,217	10,563
1965	123.2	3.5	160,089	5,592	10,760
1966	124.5	3.2	170,957	8,558	10,831
1967	130.5	2.8	172,421	7,945	10,570
1968	125.0	2.5	182,455	6,621	10,861
1969	123.0	2.4	171,498	7,501	10,463
1970	135.0	3.6	180,680	7,061	10,261
1971	137.7	3.7	196,253	6,669	10,722
1972	140.5	4.9	176,550	8,052	9,667
1973	135.0	7.4	203,788	18,370	9,510
1974	118.2	8.9	659,227	17,390	8,646
1975	126.6	10.1	354,250	11,500	—

¹Value of canned fruit and juices and byproducts shipped out-of-State and sold within State, as estimated by Bank of Hawaii.

²Value FAS shipping point for outshipments, delivered wholesalers local sales.

³Beginning with 1972, point of delivery changed from refinery to mill.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (annual) and records.

DISTRIBUTION AND SERVICES

This section presents statistics relating to retail and wholesale trade; hotels; and selected personal, business, automotive, repair, and amusement services.

These activities have undergone rapid growth in recent decades. Retail sales increased from \$522 million in 1958 to \$1,083 million in 1967 and \$1,865 million in 1972. Wholesale sales rose from \$618 million to \$1.54 billion in the same 14-year period. Hotels, amusements, and other services reported receipts of \$683 million in 1972, compared with \$295 million in 1967 and only \$101 million in 1958. General excise and use tax base data for more recent years indicate continued increases; between 1972 and 1975, the retailing tax base rose 53 percent, the wholesaling base by 52 percent, and the base for services by 59 percent. Major retail concentrations included Ala Moana Center (\$219 million in sales in 1972), Waikiki (\$169 million), and downtown Honolulu (\$65 million). The 23 department stores on Oahu reported sales of \$329 million in 1975, triple their 1967 volume. In addition to civilian outlets, there are 54 commissaries, exchanges, and clubs maintained by the armed forces; these facilities had sales of \$216 million in 1975.

Growth has been especially rapid for hotels. The number of units in the State rose from 5,500 in 1958 to 18,200 in 1967 and 42,600 in February 1976. There were 314 hotels, motels and apartment-hotels in the State on the latter date, including 188 on the Neighbor Islands. Occupancy rates averaged 78.3 percent in Waikiki and 68.3 percent on the Neighbor Islands during 1975. The average daily room rate was \$26.56 in 1974. The hotel payroll in 1974 totaled \$115.6 million, compared with \$21.1 million ten years earlier.

The major source for these data is the United States Census of Business, most recently conducted in 1972. Statistics on the retailing, wholesaling, and services tax bases are available from the Hawaii State Department of Taxation. Data on hotel room counts, occupancy and other characteristics are published by the Hawaii Visitors Bureau and the firm of Harris, Kerr, Forster and Company. The *Statistical Abstract of the United States: 1975*, Section 29, presents similar data for the nation as a whole.

**Table 310.—RETAIL TRADE, WHOLESALE TRADE, AND SELECTED SERVICES:
1958 TO 1972**

(Coverage varies somewhat from year to year)

Year	Retail trade		Wholesale trade		Selected services ¹	
	Establishments	Sales (\$1,000)	Establishments	Sales (\$1,000)	Establishments	Receipts (\$1,000)
1958	4,760	521,877	793	618,155	3,070	101,142
1963	4,578	751,411	974	735,205	3,431	163,094
1967	5,212	1,083,458	1,030	1,013,813	4,057	294,828
1972	6,392	1,864,985	1,336	1,538,429	6,348	683,201
ESTABLISHMENTS WITH PAYROLL						
1963	3,354	725,977	974	735,205	1,837	153,272
1967	3,537	1,041,540	1,030	1,013,813	1,947	278,556
1972	4,491	1,819,883	1,336	1,538,429	3,031	648,164

¹Includes hotels; personal services; miscellaneous business services; automobile repair, services, and garages; miscellaneous repair services; and motion pictures and other amusement and recreation services.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1958*, Bulletins BC58-RA52, BC58-SA52, and BC58-WA52; *U.S. Census of Business: 1967*, Bulletins BC67-RA13, BC67-SA13, and BC67-WA13; *U.S. Census of Business: 1972*, Reports RC72-A-12, WC72-A-12, and SC72-A-12.

Table 311.—GENERAL EXCISE TAX BASE FOR TRADE AND SERVICE ACTIVITIES: 1958 TO 1975
(In thousands of dollars)

Year reported ¹	Retailing	Services ²	Theater, amusement, broadcasting, etc.	Wholesaling
1958	664,973	135,730	19,305	282,734
1959	756,003	165,402	21,174	320,194
1960	846,729	188,752	21,940	354,598
1961	859,563	203,354	21,911	359,725
1962	920,956	228,420	22,654	386,135
1963	928,895	231,777	22,919	396,462
1964	998,510	240,909	25,095	435,707
1965	1,097,826	260,693	27,681	482,563
1966	1,184,736	276,833	29,425	547,031
1967	1,271,932	305,691	30,924	570,678
1968	1,423,835	358,852	36,203	651,512
1969	1,670,288	451,814	39,220	747,204
1970	1,895,089	504,191	43,588	854,660
1971	2,030,170	523,824	48,503	918,425
1972	2,213,704	578,260	53,108	1,002,214
1973	2,560,799	697,419	60,079	1,220,818
1974 ³	2,959,201	783,771	66,557	1,374,819
1975	3,378,817	919,912	74,561	1,527,057

¹Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

²Includes both business and professional services but excludes hotels, theater, amusement, broadcasting, and intermediary services.

³Wholesaling figure revised.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release).

Table 312.—RETAIL TRADE, BY KIND OF BUSINESS AND GEOGRAPHIC AREA: 1972

Geographic area and kind of business	All establishments		Establishments with payroll				
	Number	Sales (\$1,000)	Number	Sales (\$1,000)	Payroll (\$1,000)		Paid employees, mid-March
					Entire year	First quarter	
Retail trade, total	6,392	1,864,985	4,491	1,819,883	270,112	63,935	59,887
GEOGRAPHIC AREA							
City and Co. of Honolulu	4,733	1,508,305	3,303	1,475,981	223,910	52,900	49,150
Honolulu	3,487	1,160,092	2,547	1,136,921	179,533	42,563	39,002
Kailua	186	57,128	128	55,924	7,441	1,822	1,739
Kaneohe	146	47,760	89	46,853	5,847	1,557	1,282
Pearl City	103	34,531	47	33,596	4,023	925	965
Wahiawa	141	29,724	88	28,459	4,226	1,023	970
Waipahu	163	87,160	118	86,186	10,505	2,503	2,205
Remainder of county	507	91,910	286	88,042	12,335	2,507	2,987
Hawaii County	763	167,199	540	161,508	22,253	5,298	4,957
Hilo	396	118,378	304	116,012	16,316	3,784	3,476
Remainder of county	367	48,821	236	45,496	5,937	1,514	1,481
Kauai County	362	73,458	254	70,038	9,243	2,290	2,183
Lihue	110	36,577	88	35,884	5,265	1,221	1,040
Remainder of county	252	36,881	166	34,154	3,978	1,069	1,143
Maui County	534	116,023	394	112,356	14,706	3,447	3,597
Maui	479	108,333	359	104,813	13,677	3,199	3,334
Kahului	80	37,897	67	37,767	4,291	994	970
Lahaina	143	25,704	117	25,038	4,001	922	999
Waituku	128	28,257	94	27,319	3,494	829	804
Remainder of island	128	16,475	81	14,689	1,891	454	561
Molokai	39	5,826	26	5,597	797	188	191
Lanai	13	1,669	8	(D)	(D)	(D)	(D)
Island not reported	3	195	1	(D)	(D)	(D)	(D)
KIND OF BUSINESS							
Bldg. mat., hardware, garden	126	34,572	81	33,692	5,199	1,331	756
General merchandise stores	261	334,702	194	332,101	47,524	10,358	9,977
Food stores	774	414,771	569	404,552	38,625	9,421	7,817
Automotive dealers	246	269,794	192	268,298	30,545	7,324	3,602
Gasoline service stations	480	106,688	427	104,217	13,729	3,269	4,086
Apparel and accessory stores	579	107,766	504	105,667	16,814	3,867	3,765
Furniture, home furnishings	409	83,545	290	80,315	12,113	2,810	1,937
Eating and drinking places	1,418	261,375	1,255	258,337	74,450	17,956	21,634
Drug and proprietary stores	107	90,117	96	89,491	8,982	2,296	1,641
Miscellaneous retail stores	1,992	161,655	883	143,213	22,131	5,303	4,672

D Withheld to avoid disclosure.

Source: U.S. Bureau of the Census, *Census of Retail Trade, 1972, Hawaii, RC72-A-12*, and special tabulation of data by island for Maui County.

Table 313.—MERCHANDISE LINE SALES OF RETAIL ESTABLISHMENTS: 1967

Merchandise line	The State		Oahu	
	Establishments	Sales (\$1,000)	Establishments	Sales (\$1,000)
All lines	3,537	1,041,540	2,644	869,784
Groceries, other foods	807	217,420	540	166,248
Meals, snacks	1,047	107,012	815	96,349
Alcoholic drinks	454	35,627	350	32,782
Packaged alcoholic beverages	392	22,913	244	18,700
Cigars, cigarettes, tobacco	613	14,601	406	11,862
Cosmetics, drugs, cleaners	501	42,223	317	37,655
Men's, boys' clothing, exc. footwear	382	39,779	227	34,507
Women's, girls' clothing, exc. footwear	493	75,472	317	67,150
All footwear	286	17,719	187	15,746
Curtains, draperies, dry goods	252	23,298	133	19,878
Major appl., radio, TV, musical inst.	264	35,400	172	30,177
Furniture, sleep equip., floor cov.	164	19,978	105	17,323
Kitchenware, home furnishings	306	15,728	196	14,090
Jewelry, optical goods	323	17,195	221	15,241
Sporting, recreation equipment	176	9,577	112	8,587
Hardware, gardening equipment	251	11,890	132	9,365
Lumber, building materials	129	15,515	72	8,175
Automobiles, trucks	100	128,359	72	106,807
Auto fuels, lubricants	477	57,175	337	47,018
Auto tires, batteries, access.	479	28,426	354	21,789
Farm equipment machinery	16	1,766	6	1,462
Hay, grain, feed, farm supplies	103	7,278	36	4,952
All other merchandise	764	57,334	519	49,484
Nonmerchandise receipts	1,074	39,479	828	34,188
Miscellaneous merchandise	—	376	—	248

Source: U.S. Bureau of the Census, *Census of Business, 1967. Retail Trade. Merchandise Line Sales. Hawaii*, BC67-MLS-13, pp. 3 and 12.

Table 314.—DEPARTMENT STORES, FOR OAHU: 1958 TO 1975

Source and year	Number of department stores, end of year	Annual sales ¹ (\$1,000)
Census data:		
1958	7	30,629
1963	13	71,776
1967	15	131,843
1972	15	205,619
Survey data:		
1967	(NA)	100,795
1968	(NA)	117,200
1969	(NA)	133,057
1970	(NA)	172,644
1971 ²	19	223,361
1972	22	248,986
1973	22	281,790
1974	23	304,721
1975	23	328,992

NA Not available.

¹Survey data for 1967-1969 are not directly comparable to survey data for later years.

²Number of stores as of February 1972.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1958*, BC58-RA52; *U.S. Census of Business: 1963*, BC63-RA13; *U.S. Census of Business: 1967*, BC67-RA13; *U.S. Census of Retail Trade: 1972*, RC72-A-12; *Current Business Reports, Monthly Retail Trade, Sales and Accounts Receivable* (monthly); and records.

Table 315.—SHOPPING CENTERS: 1958 TO 1974

Year (Dec. 31)	Number of stores			Gross leasable area (1,000 square feet)		
	State total	Oahu	Other islands	State total	Oahu	Other islands
1958	250	187	63	844	653	191
1959	382	319	63	1,666	1,475	191
1960	382	319	63	1,666	1,475	191
1961	406	319	87	1,746	1,475	271
1962	444	339	105	1,861	1,551	310
1963	497	392	105	2,104	1,794	310
1964	530	425	105	2,259	1,947	310
1965	592	455	137	2,509	2,134	375
1966	719	557	162	3,565	3,025	539
1967	742	580	162	3,771	3,232	539
1968	772	603	169	4,014	3,448	566
1969	786	617	169	4,043	3,477	566
1970	938	739	199	4,742	3,999	743
1971	970	743	227	4,987	4,201	786
1972	1,212	931	281	5,789	4,837	953
1973	1,425	993	432	6,498	5,091	1,407
1974	1,510	1,032	478	6,672	5,208	1,464

Source: Bank of Hawaii, Department of Business Research, records.

Table 316.—CHARACTERISTICS OF SELECTED SHOPPING CENTERS: 1976

Island and name of center	Location	Year opened	Site area (acres)	Building area (1,000 square feet)	Parking spaces	Number of stores
Oahu:¹						
Ala Moana Center	Honolulu	1959	50	1,380	7,500	155
Kahala Mall	Honolulu	1954	20	417	1,500	60
Koko Marina S.C.	Honolulu	1963	15	256	859	84
Pearl City S.C.	Pearl City	1965	15	244	900	36
Pearlridge Center	Aiea	1972	59	1,200	4,950	140
Hawaii:²						
Hilo Mall S.C.	Hilo	1970	14	220	950	33
Maui:²						
Kaahumanu Center	Kahului	1973	25	230	1,400	50
Kahului S.C.	Kahului	1951	25	104	1,000	32
Maui Mall	Kahului	1971	25	172	1,400	40
Kauai:²						
Lihue S.C.	Lihue	1966	9	142	551	24

¹Includes centers with more than 200,000 square feet of building area.

²Includes centers with more than 100,000 square feet of building area.

Source: Chamber of Commerce of Hawaii, *Shopping Centers in Hawaii* (May 1976).

Table 317.—MAJOR RETAIL CENTERS ON OAHU: 1972

Center ¹	Number of retail stores	Retail sales (\$1,000)	Payroll, entire year (\$1,000)	Paid employees, March 12
Oahu, total	4,235	1,489,602	221,329	48,605
Honolulu, total	3,215	1,144,892	177,097	38,482
Honolulu central business district	353	65,471	12,254	2,771
Ala Moana Center	224	218,844	39,137	7,738
Waikiki	597	169,084	26,804	6,420
Kahala Mall	60	41,625	5,284	1,374
Dillingham Blvd.	14	20,094	2,530	678
Kailua Shopping Center	105	44,641	6,120	1,427
Waipahu and Westgate Shopping Centers ...	42	33,768	4,125	1,040
Pearlridge Center	32	18,606	2,880	476

¹For boundaries, see source.

Source: U.S. Bureau of the Census, *Census of Retail Trade, 1972*, RC72-C-12 (1974).

Table 318.—COMMISSARIES, EXCHANGES, AND CLUBS OPERATED BY THE ARMED FORCES: 1974 AND 1975

Type of operation	Number of establishments, Dec. 31, 1975	Annual sales (\$1,000)		Civilian employment, Dec. 31	
		1974 ¹	1975	1974 ¹	1975
Total	54	158,481	215,947	3,584	4,339
Commissaries	6	45,682	67,459	395	533
Exchanges	15	101,127	129,495	2,118	2,709
Clubs	33	11,672	18,993	1,071	1,097

¹Revised from 1975 edition, table 294.

Source: Department of the Air Force, Headquarters, 15th Air Base Wing (PACAF); Department of the Army, Headquarters, U.S. Army Support Command, Hawaii; Departments of the Army and Air Force, Headquarters, Army and Air Force Exchange Service, Pacific; U.S. Marine Corps, Headquarters, Marine Corps Bases, Pacific; Department of the Navy, Headquarters, U.S. Naval Base, Pearl Harbor, and Naval Air Station, Barbers Point.

Table 319.—WHOLESALE TRADE, BY TYPE OF OPERATION, KIND OF BUSINESS, AND GEOGRAPHIC AREA: 1972

Geographic area, type of operation, and kind of business	Number of establishments	Sales (\$1,000)	Inventories, end of year (\$1,000)	Operating expenses (\$1,000)		Paid employees, week including March 12
				Total	Payroll	
Wholesale trade, total	1,336	1,538,429	169,425	220,877	122,302	14,518
GEOGRAPHIC AREA						
City and County of Honolulu	1,071	1,318,371	145,732	(NA)	105,742	12,117
City of Honolulu	991	1,262,298	138,923	(NA)	101,991	11,683
Rest of Oahu	80	56,073	6,809	(NA)	3,751	434
Hawaii County	138	129,677	15,441	(NA)	11,061	1,537
Kauai County	40	30,254	2,847	(NA)	1,965	316
Maui County	87	60,127	5,405	(NA)	3,534	548
Lanai	1	(D)	(D)	(NA)	(D)	(D)
Maui	82	(D)	(D)	(NA)	(D)	(D)
Molokai	4	(D)	(D)	(NA)	(D)	(D)
TYPE OF OPERATION						
Merchant wholesalers	1,067	1,001,772	138,582	176,237	95,660	12,025
Manufacturers' sales branches	143	417,674	28,096	35,341	22,362	1,914
Merchandise agents and brokers	126	118,983	2,747	9,299	4,280	579
KIND OF BUSINESS						
Durable goods	679	594,150	90,699	118,167	69,210	7,805
Motor vehicles, parts, supplies	89	96,427	13,602	21,523	12,357	1,506
Furniture, home furnishings	45	29,964	4,146	5,195	2,688	301
Lumber, other const. materials	85	116,389	18,727	23,053	12,808	1,676
Sporting, recreational goods	42	(D)	(D)	(D)	(D)	(D)
Metals, minerals, exc. petroleum	12	24,438	1,988	3,219	1,526	128
Electrical goods	85	97,149	12,877	12,685	8,120	837
Hardware, plumbing, heating	52	42,089	9,195	8,707	4,264	514
Machinery, equipment	202	121,736	21,661	30,758	19,831	2,006
Miscellaneous durable goods	67	(D)	(D)	(D)	(D)	(D)
Nondurable goods	657	944,279	78,726	102,710	53,092	6,713
Paper and paper products	42	33,578	5,101	7,654	4,684	535
Drugs, drug proprietaries	36	(D)	(D)	(D)	(D)	(D)
Apparel, piece goods	52	(D)	(D)	(D)	(D)	(D)
Groceries	265	388,655	23,996	44,171	21,650	2,929
Farm product raw materials	5	(D)	(D)	(D)	(D)	(D)
Chemicals	21	(D)	(D)	(D)	(D)	(D)
Petroleum	42	224,070	10,683	(NA)	3,058	290
Beer, wine, alcoholic beverages	26	65,201	7,979	8,009	3,579	393
Miscellaneous nondurable goods	168	89,223	9,987	17,208	8,866	1,219

D Withheld to avoid disclosure.

NA Not available.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade: 1972, Area Series, Hawaii*, WC72-A-12, tables 1 and 4, and special tabulation of data by island for Maui County.

Table 320.—SELECTED SERVICES, BY KIND OF BUSINESS AND GEOGRAPHIC AREA: 1972

Geographic area and kind of business	All establishments		Establishments with payroll			
	Number	Receipts (\$1,000)	Number	Receipts (\$1,000)	Payroll (\$1,000)	Paid employees, March
Selected services, total	6,348	683,201	3,031	648,164	216,310	39,743
GEOGRAPHIC AREA						
City and County of Honolulu	5,023	543,334	2,443	515,326	175,070	31,470
City of Honolulu	3,975	485,768	2,064	463,278	157,337	27,224
Rest of Oahu	1,048	57,566	379	52,048	17,733	4,246
Hawaii County	651	63,812	271	60,074	19,664	3,847
Kauai County	252	25,855	123	24,661	7,882	1,643
Maui County	422	50,200	194	48,103	13,694	2,783
Lanai	6	97	1	(D)	(D)	(D)
Maui	378	49,214	183	47,327	13,485	2,706
Molokai	34	808	8	656	179	62
Island not reported	4	81	2	(D)	(D)	(D)
KIND OF BUSINESS						
Hotels, motels, camps	224	241,832	192	241,279	75,945	15,324
Hotels	187	230,972	168	230,620	72,677	14,479
Motels	33	10,634	22	10,659	3,268	845
Camps and trailer parks	4	226	2			
Personal services	1,675	53,390	745	46,490	18,623	4,730
Laundry, cleaning	227	21,950	145	20,696	8,568	2,142
Beauty and barber shops	897	18,572	474	15,692	7,072	1,592
Funeral service, crematories	24	3,764	21	3,728	869	158
Other personal services	527	9,104	105	6,374	2,114	838
Business services	1,763	120,075	658	109,609	40,206	7,444
Advertising	101	24,170	41	23,457	3,299	338
Services to dwellings, bldgs.	305	18,741	158	17,821	8,973	2,183
Other business services	1,357	77,164	459	68,331	27,934	4,923
Automotive repair, services	633	77,671	390	74,251	18,341	2,986
Automotive repair shops	461	31,526	249	28,485	9,083	1,317
Automotive rental, parking, wash ..	172	46,145	141	45,766	9,258	1,669
Miscellaneous repair services	439	20,244	180	17,239	5,776	829
Amusement, recreation services	849	71,556	407	66,940	22,583	5,244
Motion picture theaters	66	12,152	59	11,982	2,305	762
Other amusement, recreation	783	59,404	348	54,958	20,278	4,482
Dental laboratories	33	2,309	22	2,150	1,115	160
Legal services	333	35,149	218	33,180	8,093	885
Architect., engineer., land-survey ..	399	60,955	219	57,026	25,628	2,141

D Withheld to avoid disclosure.

Source: U.S. Bureau of the Census, *Census of Selected Service Industries: 1972, Area Series, Hawaii, SC72-A-12*, tables 1 and 5, and special tabulation of data by island for Maui County.

Table 321.—HOTEL UNITS, OCCUPANCY RATES, EMPLOYMENT, AND PAYROLL: 1958 TO 1975

Year	Number of hotel units ¹			Percent occupied ²		Hotel employment ³	Payroll ⁴ (\$1,000)
	State total	Oahu	Neighbor islands	Waikiki	Neighbor islands		
1958	5,494	4,454	1,040	78.9	(NA)	3,611	9,859
1959	6,802	5,657	1,145	88.3	(NA)	3,669	10,944
1960	9,522	8,118	1,404	75.3	(NA)	4,235	13,364
1961	10,193	8,720	1,473	70.1	(NA)	4,666	14,227
1962	10,915	9,098	1,817	74.2	65.5	4,629	15,158
1963	11,403	9,203	2,200	77.4	66.0	5,621	19,070
1964	12,903	10,031	2,872	74.5	68.0	5,834	21,080
1965	14,827	11,083	3,744	82.1	68.2	6,308	23,438
1966	16,820	12,520	4,300	83.7	67.1	7,316	28,173
1967	18,235	13,004	5,231	90.0	72.8	8,944	34,927
1968	21,243	15,138	6,105	89.2	75.2	10,783	46,730
1969	25,822	18,209	7,613	81.3	69.3	12,546	58,212
1970	30,323	21,217	9,106	74.1	64.8	13,613	66,924
1971	35,349	24,612	10,737	58.9	63.5	15,550	78,222
1972	35,653	24,441	11,212	70.0	66.4	17,619	93,915
1973	37,319	24,969	12,350	81.5	70.2	18,857	107,525
1974	39,558	25,352	14,206	82.0	69.4	19,139	115,599
1975	40,691	25,699	14,992	78.3	68.3	19,885	128,659

NA Not available.

¹Month unspecified for 1958 and 1959; December, 1960 to 1965; September, 1966; December, 1967; November, 1968; and October, 1969 and later years.

²Annual averages.

³Annual averages, for workers covered by the Hawaii Employment Security Law.

⁴Wage and salary payments to workers covered by the Hawaii Employment Security Law.

Source: Hawaii Visitors Bureau, *Visitor Plant Inventory* (periodic), *Annual Research Report* (annual), and records; Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii* (annual).

Table 322.—HOTELS AND RELATED FACILITIES, BY GEOGRAPHIC AREA: 1970 TO 1976

Geographic area	Visitor plants ¹			Units		
	Feb. 1970	Feb. 1975	Feb. 1976	Feb. 1970	Feb. 1975	Feb. 1976
State total	275	294	314	26,923	39,632	42,648
Oahu	152	126	126	18,449	25,352	25,851
Waikiki ²	124	99	100	16,590	21,812	22,117
Hotels	55	64	64	13,825	19,980	20,294
Apt.-hotels	63	32	33	2,488	1,664	1,655
Other ³	6	3	3	277	168	168
Rest of Oahu	28	27	26	1,859	3,540	3,734
Other islands	123	168	188	8,474	14,280	16,797
Hawaii	41	49	52	3,166	5,348	6,045
Kauai	31	36	40	2,565	3,102	3,520
Maui	48	80	92	2,643	5,731	7,007
Molokai	2	2	3	89	88	214
Lanai	1	1	1	11	11	11

¹Hotels, apartment-hotels, motels, cottages, etc.

²Includes Diamond Head and Kahala.

³Motels, cottages, etc.

Source: Hawaii Visitors Bureau, *Visitor Plant Inventory* for months specified.

**Table 323.—HOTEL UNITS, 1975 AND 1976, AND OCCUPANCY RATES, 1974 AND 1975,
BY GEOGRAPHIC AREA**

Geographic area	Number of units			Percent occupied ¹	
	Feb. 1975 (existing)	February 1976		1974	1975
		Existing	Planned ²		
State total	39,632	42,648	11,928	(NA)	(NA)
Oahu	25,352	25,851	4,617	(NA)	(NA)
Waikiki and Kahala ³	21,812	22,117	4,467	82.0	78.3
Ala Moana	1,681	1,681	—	} (NA)	(NA)
Central Honolulu	130	129	—		
Airport	492	702	—		
Leeward Oahu	655	620	—		
Windward Oahu	582	602	150		
Hawaii	5,348	6,045	3,224	61.2	59.9
Hilo and Honokaa	1,850	2,167	—	60.6	57.3
Volcano	38	38	—	} 77.5	74.3
Ka'u	13	13	200		
North and South Kohala	392	404	3,000		
North and South Kona	3,055	3,423	24		
Maui	5,731	7,007	1,595	74.6	72.3
Wailuku and Kahului	355	370	60	80.3	78.7
Lahaina to Napili	4,252	4,631	600	77.4	74.9
Kihei and Maalaea	1,015	1,900	845	} 58.5	58.4
Kula, Makawao, and Paia	23	19	90		
Hana	86	87	—		
Kauai	3,102	3,520	1,810	78.1	77.2
Kapaa and Wailua	1,586	1,554	795	} 77.9	79.0
Lihue	605	712	4		
Poipu and Kukuiula	557	730	—	80.7	74.0
Kalaheo	20	20	—	} 63.0	55.5
Kokee	12	12	—		
Hanalei	322	492	1,011		
Molokai	88	214	682	(NA)	(NA)
Lanai	11	11	—	(NA)	(NA)

NA Not available.

¹Annual averages.

²Under construction or announced for future construction. Includes 1,871 to be completed in 1976, 1,546 in 1977, 772 in 1978, and 7,739 indefinite.

³Occupancy data limited to Waikiki and Diamond Head.

Source: Hawaii Visitors Bureau, *1974 Annual Research Report*, pp. 25-28; *Visitor Plant Inventory, February 1976*; and records.

Table 324.—OPERATIONS OF SELECTED RESORT HOTELS: 1967 TO 1974

Year	Average number of rooms	Percentage of occupancy	Guests per occupied room	Average daily rate (dollars)		Total sales and income per guest day (dollars)	Gross operating profit (percent)
				Per room	Per guest		
1967	281	87.0	1.81	22.38	12.37	23.12	28.4
1968	269	84.6	1.87	23.85	12.72	23.08	28.7
1969	298	75.6	1.87	23.98	12.84	22.65	30.4
1970	356	72.6	1.88	25.74	13.71	24.61	27.9
1971	409	67.1	1.88	24.28	12.93	23.44	25.1
1972	595	72.3	1.90	21.83	11.49	21.17	25.1
1973	595	80.1	1.91	23.64	12.36	22.67	30.2
1974	566	82.6	1.88	26.56	14.10	25.78	31.9

Source: Harris, Kerr, Forster & Company, *Trends in the Hotel-Motel Business* (annual).

Table 325.—CHARACTERISTICS OF HOTELS AND MOTELS: 1972

Subject	Hotels, motels, motor hotels, and tourist courts	Hotels			Motels, motor hotels, and tourist courts
		All hotels	25 or more guestrooms	Fewer than 25 guestrooms	
ALL ESTABLISHMENTS					
Number of establishments	220	187	(NT)	(NT)	33
Receipts from customers (\$1,000)	241,606	230,972	(NT)	(NT)	10,634
ESTABLISHMENTS WITH PAYROLL					
Number of establishments	190	168	144	24	22
Guestrooms	31,381	29,440	29,032	408	1,941
Receipts from customers (\$1,000)	(D)	230,620	228,713	1,907	(D)
Guestroom rentals	142,456	126,244	124,337	(V)	6,911
Meals and nonalcoholic beverages	67,279	65,067	65,067	(V)	2,212
Alcoholic beverages	27,950	26,912	26,912	(V)	1,038
Packaged liquor, wine, and beer	182	182	182	(V)	—
Other merchandise	4,047	4,034	4,034	(V)	13
Other sources	(D)	8,181	8,181	(V)	(D)
Payroll, entire year (\$1,000)	(D)	72,677	72,410	267	(D)
Payroll, first quarter (\$1,000)	(D)	17,966	17,893	73	(D)
Paid employees for week incl., March 12	(D)	14,479	14,379	100	(D)

(D) Withheld to avoid disclosure.

(V) Insufficient coverage.

(NT) Not tabulated.

Source: U.S. Bureau of the Census, *Census of Selected Service Industries, 1972, Hotels, Motels, Trailing Parks, and Camps* (SC72-S-2, December 1975), tables 1 and 2.

Table 326.—TRAVEL AGENCIES, TOUR OPERATORS, AND RELATED SERVICES: 1972

Subject	Number of establishments	Receipts ¹ (\$1,000)	Payroll (\$1,000)		Paid employees for week including March 12
			Entire year	First quarter	
Total	203	20,902	8,954	1,977	1,434
With payroll	177	20,659	8,954	1,977	1,434
Without payroll	26	243			
ESTABLISHMENTS WITH PAYROLL					
Kind of business:					
Travel agencies	136	13,310	5,893	1,327	998
Tour operators ²	32	6,893	2,829	598	392
Other services ³	9	456	232	52	44
Location:					
Oahu	155	18,292	(NA)	(NA)	(NA)
Other islands	22	2,367	(NA)	(NA)	(NA)

NA Not available.

¹For Oahu establishments with payroll, source of receipts was as follows: commissions and other receipts from the retail sale of passenger transportation and lodging, \$11,682,000; tour operation, \$6,504,000; other travel related services, \$106,000. Total operating expenses for these establishments were \$15,867,000.

²Establishments primarily engaged in arranging and assembling tours (wholesaling), usually for sale through travel agents.

³Establishments primarily engaged in arranging passenger transportation such as ticket offices (not operated by transportation companies) for airlines, buses, ships, etc.

Source: U.S. Bureau of the Census, *Census of Selected Service Industries, 1972, Arrangement of Passenger Transportation* (SC72-S-6, December 1975), tables 1 and 4.

Table 327.—NUMBER, 1941 TO 1975, AND GROSS SALES, 1970 TO 1975, OF LIQUOR LICENSEES, FOR OAHU

Year	All types ¹	Club	Manu- facturer	Dispen- ser	Caba- ret	Retail	Whole- sale	Vessel
LICENSES IN EFFECT²								
1941	477	11	5	207	—	216	34	—
1945	379	12	6	152	—	185	21	—
1950	547	14	5	214	—	283	27	—
1955	600	14	5	252	6	301	20	—
1960	629	15	8	269	14	305	18	—
1965	704	14	7	313	20	330	20	—
1970	797	14	6	415	19	321	17	5
1974	922	13	5	488	36	352	18	10
1975	966	12	5	508	41	366	19	15
GROSS SALES (\$1,000)³								
1970	132,764	1,038	11,611	48,598	6,385	25,754	39,327	51
1974	187,536	1,357	4,035	73,210	11,401	41,366	55,872	294
1975	210,935	1,519	4,719	78,072	13,092	47,890	65,154	490

¹Includes agent (4 in 1941, 3 in 1945, 4 in 1950, 2 in 1955, and none thereafter).

²December 7, 1945, December 31, 1945 to 1960; June 30, 1965 to 1975.

³Years ended June 30.

Source: *Forty-third Annual Report of the Liquor Commission of the City and County of Honolulu, State of Hawaii, Fiscal Year Ending June 30, 1975*, p. 11, and underlying data.

Table 328.—LIQUOR AND TOBACCO TAX BASES: 1970 TO 1975

(Wholesale value, in thousands of dollars. Excludes sales on military bases.)

Year ¹	Liquor tax base	Tobacco tax base
1970	40,509	15,565
1971	43,535	16,617
1972	47,077	15,643
1973	54,917	19,887
1974	60,724	21,573
1975	69,210	22,878

¹Calendar year in which reported; data accordingly refer in general to liquor and tobacco sales for 12-month periods ended November 30.

Source: Hawaii State Department of Taxation, "Liquor Tax Base, Collections and Permits; Tobacco Tax Base, Collections and Licenses" (annual release).

FOREIGN AND INTERSTATE COMMERCE

This section includes data on the flow of goods, services, and capital between Hawaii and the rest of the world, with particular emphasis on trade and investment involving foreign countries.

Imports to Hawaii from foreign nations rose from \$86 million in 1964 to \$582 million in 1974. Exports to foreign countries amounted to only \$41 million in 1958, but by 1974 exceeded \$113 million. (These figures, it should be noted, refer to merchandise imports for consumption and exports of domestic merchandise through the Honolulu Customs District. They do not necessarily represent exports of commodities originating in Hawaii, nor imports for direct consumption within the State.)

Trade with the Mainland United States has similarly risen since the 1950's. Merchandise received from the Mainland increased from \$498 million in 1963 to \$1.6 billion in 1973. Merchandise exported to the Mainland rose from \$308 million in 1963 to \$382 million in 1973. Merchandise exported to the Mainland rose from \$308 million in 1963 to \$382 million in 1973.

Among the foreign nations, Hawaii's leading trading partners in 1974 were Indonesia for imports and Japan for exports. Imports from Indonesia amounted to \$147 million, or 25 percent of the total, while exports to Japan reached \$61 million, or 54 percent of all foreign exports. The Indonesian imports included \$130.8 million for crude oil.

The Honolulu Foreign Trade Zone received merchandise valued at \$16 million in 1975. Merchandise forwarded was valued at \$14 million.

Hawaii residents had out-of-State assets estimated at \$2,676 million in 1971. Assets of non-residents in the State at the same time amounted to approximately \$3,439 million.

Ninety-four Island firms were owned by the Japanese as of 1972. Initial investment in these businesses totaled \$24.2 million.

Sources for statistics on interstate and foreign commerce include the U.S. Bureau of the Census (for foreign trade), the Bank of Hawaii (for interstate trade), Foreign-Trade Zone No. 9, and a 1973 study by the University of Hawaii Economic Research Center on *The Economic and Social Impact of Foreign Investment in Hawaii*.

Comparable data for the nation as a whole appear in Section 30 of *Statistical Abstract of the United States: 1975*.

Table 329.—IMPORTS AND EXPORTS: 1958 TO 1975
(In millions of dollars)

Calendar year	Imports			Exports		
	Total	From Main-land U.S.	From other areas ¹	Total	To Main-land U.S.	To other areas
1958	459.5	426.1	33.4	253.2	236.2	17.0
1959	520.8	486.7	34.1	276.0	258.1	17.9
1960	566.1	519.1	47.0	263.8	243.5	20.3
1961	573.6	515.5	58.1	281.7	258.9	22.8
1962	548.4	480.1	68.3	294.4	265.5	28.9
1963	571.9	497.9	74.0	338.2	307.8	30.4
1964	652.9	567.1	85.8	324.4	283.4	41.0
1965	711.0	615.1	95.9	331.8	296.7	35.1
1966	794.0	688.8	105.2	351.1	310.6	40.5
1967	942.5	822.4	120.1	372.7	325.3	47.4
1968	1,025.4	886.7	138.7	378.1	329.1	49.0
1969	1,196.4	1,029.1	167.3	368.1	321.7	46.4
1970	1,361.5	1,194.1	167.4	391.0	339.8	51.2
1971	1,416.9	1,201.4	215.5	412.0	365.7	46.3
1972	1,447.5	1,220.0	227.5	410.6	350.2	60.4
1973	1,868.4	1,563.5	304.9	454.6	381.8	72.8
1974	2,471.7	1,866.2	605.5	932.2	817.0	115.2
1975	(NA)	(NA)	757.6	(NA)	(NA)	95.7

NA Not available.

¹Merchandise imports for consumption. Data refer to imports through the Honolulu Customs District, and may include merchandise destined for other areas. Similarly, imports entered through other customs districts and destined for Hawaii are excluded.

²Merchandise exports, including merchandise of foreign origin. Data refer to exports through the Honolulu Customs District, and may include merchandise originated in other areas. Similarly, exports originated in Hawaii but shipped from other customs districts are excluded.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, 1946-1965* and *Extracts from FT 990, Dollar Value of U.S. Exports and Imports Through Customs District of Hawaii, Calendar Years 1966-1974*, and records; Bank of Hawaii, *Hawaii '68* (p. 45), *Hawaii '75* (p. 45), and *Hawaii '76* (p. 45).

Table 330.—IMPORTS AND EXPORTS, BY CONTINENT AND COUNTRY, FOR THE HONOLULU CUSTOMS DISTRICT: 1973 AND 1974

(Value, in dollars, of U.S. imports entered for consumption and exports of domestic merchandise through the Honolulu Customs District. The Honolulu Customs District includes Honolulu and Pearl Harbor, Honolulu International Airport, Hilo, Kahului, and Nawiliwili-Port Allen. These data include all trade through the Honolulu District, and thus may include imports intended for consumption on the Mainland or exports originated on the Mainland.)

Continent and country	Imports for consumption		Exports of domestic merchandise	
	1973 ¹	1974	1973	1974
All countries	272,646,776	581,672,420	72,175,572	113,056,122
Africa	137,699	18,127,314	35,510	1,474
Asia (including Mid East)	188,946,526	483,751,448	40,303,380	79,836,680
Hong Kong	11,374,236	13,600,760	992,390	4,345,474
Indonesia	31,311,958	146,808,186	472,842	216,271
Japan	88,283,603	107,863,318	21,475,603	61,123,985
Korea, Rep. of	972,240	4,008,071	787,299	1,046,165
Peoples' Rep. of China	353,132	748,374	0	0
Republic of China (Taiwan)	9,614,008	17,409,903	12,541,750	735,035
Other countries	47,037,349	193,312,836	4,033,496	12,369,750
Canada	17,590,065	12,786,796	888,962	1,275,609
Europe	18,647,293	21,061,600	6,002,747	1,874,466
France	1,710,533	1,450,901	960,669	413,003
Germany, Fed. Rep.	10,563,271	11,928,785	1,651,614	587,573
United Kingdom	2,605,848	1,826,827	770,558	318,988
Other countries	3,767,641	5,855,087	2,619,906	554,897
Latin America	6,296,801	19,704,272	90,377	978,289
Pacific	27,067,375	26,240,990	24,854,596	29,089,604
Australia	9,651,795	8,008,481	18,464,474	21,365,729
New Zealand	11,097,555	9,277,787	2,276,471	2,763,557
Other countries	6,318,025	8,954,722	4,113,651	4,960,319

¹Total includes \$13,961,017 of crude petroleum imported in November or December 1973, not identified by country of origin. Source: U.S. Bureau of the Census, *U.S. Imports of Merchandise for Consumption and General Imports of Merchandise—Customs District 32 (IA 254)* and *U.S. Exports District of Exportation by Country of Destination... 32, Honolulu, Hawaii (EA 663)* for 1973 and 1974 (special tabulations).

Table 331.—IMPORTS AND EXPORTS, BY COMMODITY, FOR THE HONOLULU CUSTOMS DISTRICT: 1973 AND 1974

(In dollars. The Honolulu Customs District includes Honolulu and Pearl Harbor, Honolulu International Airport, Hilo, Kahului, and Nawiliwili-Port Allen. These data include all trade through the Honolulu District, and thus may include imports intended for consumption on the Mainland or exports originated on the Mainland.)

Commodity classification ¹	1973	1974
IMPORTS FOR CONSUMPTION		
All commodities	272,646,776	581,672,420
Animal and vegetable products	42,428,936	42,404,347
Wood and paper; printed matter	19,226,570	13,289,327
Textile fibers and textile products	10,832,510	11,231,922
Chemicals and related products (including petroleum)	103,329,332	340,722,622
Non-metallic products and minerals	5,309,079	5,647,802
Metals and metal products	69,458,906	142,580,399
Specified products and miscellaneous	20,370,102	23,691,696
Special classification provisions	1,379,076	1,773,088
Special statistical reporting numbers	312,265	331,217
EXPORTS		
All commodities	72,175,572	113,056,122
Food and live animals	10,856,547	4,997,088
Beverages and tobacco	45,424	67,271
Crude materials—inedible	4,718,376	5,664,013
Mineral fuels, lubricants and related	1,679,534	1,145,260
Oils, fats, and waxes—animal and vegetable	692,561	345,088
Chemicals	1,398,259	2,108,810
Manufactured goods	957,252	2,666,379
Machinery and transport equipment	45,527,037	87,353,251
Miscellaneous manufactured articles not elsewhere classified	6,230,149	7,886,809
Commodities not classified	70,433	822,153

¹One-digit breakdown from U.S. Tariff Schedule (for imports) and Schedule B (for exports).

Source: U.S. Bureau of the Census, U.S. Foreign Trade Statistics, U.S. Imports, 1973, and 1974 and U.S. Exports, 1973 and 1974 special tabulations.

Table 332.—OPERATIONS OF FOREIGN-TRADE ZONE NO. 9, HONOLULU: 1973 TO 1975
(Years ended June 30)

Subject	1973	1974	1975
Area of primary zone in square feet, June 30	218,276	235,766	235,766
Firms using zone during year	140	139	148
Continuously	17	21	82
Merchandise received: Value (\$1,000)	11,803	12,598	15,553
Weight (short tons)	5,693	6,001	7,092
Merchandise forwarded: Value (\$1,000)	11,574	12,796	14,275
Weight (short tons)	5,596	6,112	6,288
Occupancy (annual average percent)	78	73	78
Total income (\$1,000)	324	411	536
Total expenses (\$1,000)	317	381	489
Net income (\$1,000)	7	30	48
Assets, June 30 (\$1,000)	1,275	1,345	1,474

Source: *Annual Report, Foreign-Trade Zone No. 9, Honolulu, Hawaii* for 1973, 1974 and 1975.

Table 333.—BALANCE OF INDEBTEDNESS: 1950 TO 1971
(In millions of dollars)

Year	Assets of Hawaii residents out of State	Assets of non-residents in Hawaii
1950	457	413
1955	728	924
1960	1,244	1,167
1965	2,296	2,483
1971	2,676	3,439

Source: H. Robert Heller and Emily E. Heller, *The Economic and Social Impact of Foreign Investment in Hawaii* (Economic Research Center, University of Hawaii, December 1973), p. 16.

Table 334.—JAPANESE FIRMS IN HAWAII: 1961 TO 1972

Year (Dec. 31)	Number of firms	Total capital (dollars)	Increase in capital (dollars)
1961	12	11,660,600	...
1962	14	11,750,600	90,000
1963	17	11,894,600	144,000
1964	21	12,990,600	1,096,000
1965	21	12,990,600	—
1966	30	13,218,600	228,000
1967	32	13,338,600	120,000
1968	35	13,532,100	193,500
1969	39	13,614,100	82,000
1970	47	13,935,100	321,000
1971	61	16,572,252	2,637,152
1972	94	24,186,252	7,614,000

Initial equity capital	Number of firms, 1972	Number of employees	Number of firms, 1972
Total	94	Total	94
\$10,000 or less	19	1 to 10	39
\$10,001 to \$50,000	20	11 to 20	13
\$50,001 to \$100,000	16	21 to 30	13
\$100,001 to \$500,000	11	31 to 40	8
\$500,001 to \$1,000,000	6	41 to 50	5
\$1,000,001 to \$5,000,000	4	51 to 100	3
\$5,000,001 or more	1	101 or more	6
Unknown	17	Unknown	7

Source: H. Robert Heller and Emily E. Heller, *The Economic and Social Impact of Foreign Investment in Hawaii* (Economic Research Center, University of Hawaii, December 1973), pp. 61 and 64.

BIBLIOGRAPHY

This volume is the eleventh in a series published by the Hawaii State Department of Planning and Economic Development and its predecessor agencies. The first were *Statistical Abstract of Hawaii, 1962* and a separate printing of the time-series from this edition called *Historical Statistics of Hawaii, 1778 to 1962*. Both versions were prepared by Robert C. Schmitt and issued by the Department of Planning and Research in 1962. After a four-year hiatus, updated versions titled *The State of Hawaii Data Book* were published by the Department of Planning and Economic Development in 1967, 1968, and annually beginning in 1970. The 1967 and 1968 editions were compiled by Nancy C. Fowler for the DPED Information and Public Services Office. The 1970 and succeeding editions were prepared by Robert C. Schmitt and Lynn Y. S. Zane of the Research and Economic Analysis Division. All volumes issued prior to the present edition are now out of print, but copies can be consulted in the DPED Library, Hawaii State Library, University of Hawaii and community college libraries, Municipal Reference Library, and other collections throughout the State.

Additional information regarding specific statistical sources can be found in the introductory statements to each section of the *Data Book*, in footnotes and source references to the various tables, and in other DPED publications. Three of these DPED reports cover statistical sources in considerable detail: *Statistics in Hawaii: 34 Papers Prepared for the Hawaii Statistical Reporting System Workshop, February 18-20, 1970, at Waikiki* (1970), *Proceedings of the Conference on Socio-Environmental Indicators, March 15-17, 1971, Honolulu, Hawaii* (1971), and *Inventory of Hawaii Planning Information* (1973). The first two are the reports of statistical symposia organized by Dr. Richard Y. P. Joun. The third is a 164-page reference work prepared for the Hawaii Urban Planning Information Center by Nancy Fowler under the direction of Dr. Joun, containing detailed geographic and subject-matter indexes and source listings. These reports are now out of print, but copies can be consulted in most Hawaii libraries.

Privately published works of general statistical reference include *Hawaii Facts and Figures* and *All About Hawaii, Combined with Thrum's Hawaiian Almanac and Standard Guide*. Both have been issued at annual or irregular intervals for many years.

Hawaii Facts and Figures is a publication of the Chamber of Commerce of Hawaii. First issued in 1935 as *Business Statistics*, it was renamed *General Information About Honolulu, Hawaii, U.S.A. and the Territory* in 1938 and was given its present title in 1946. Since then it has appeared at annual or biennial intervals. The most recent version is the 1976 edition, with statistics through 1975; copies are available from the Chamber for \$1.00.

The current edition of *All About Hawaii* is the ninety-first, published in 1974 by SB Printers, Inc., at \$2.95. *All About Hawaii* began in 1928 as a tourist guide published by the Honolulu Star-Bulletin. Late in 1940 it was combined with the *Hawaiian Almanac and Annual*, which had appeared regularly since its founding by Thomas G. Thrum in 1875. Issued annually at first, this

series has in recent years appeared at much more widely spaced intervals.

Two other privately published reports containing useful statistics are the annual economic reviews of the two largest banks in the State. The current editions are *Hawaii '75*, published by the Bank of Hawaii in August 1975, and *Hawaii in 1975*, issued by the First Hawaiian Bank as a supplement to its monthly *Economic Indicators* for April 1976.

The County of Hawaii, Department of Research and Development, has published its own *Data Book 1975* presenting 105 pages of statistics for the Big Island.

The major official source for general statistical information during the Territorial period was the *Report of the Governor of Hawaii to the Secretary of the Interior*, issued annually (sometimes with variant titles) from 1900 to 1959. No comparable work was published by either the Kingdom or Republic of Hawaii, although Thrum's *Hawaiian Almanac and Annual* served much the same function.

Further information on the historical development of statistics in Hawaii is given in two articles by Robert C. Schmitt, "Hawaii's Statistical Reporting and Data Processing System," *State Government*, Vol. 38, No. 2, Spring 1965, pp. 100-103, and "From Umi to UNIVAC: Data Processing in Hawaii, 1500-1965," *Seventy-Fourth Annual Report of the Hawaiian Historical Society for the Year 1965* (1966), pp. 17-28.

Persons interested in comparisons between Hawaii and other States or the nation as a whole should consult the *Statistical Abstract of the United States* and its companion volume, the *County and City Data Book*. The *Abstract* is an annual publication of the U.S. Bureau of the Census, initiated in 1878. The current edition is the 96th, dated 1975; copies are available for \$10.50 (cloth) or \$8.00 (paper) from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The *County and City Data Book*, most recently issued for 1972, is sold by the same agency for \$12.50. Both volumes are on the shelves of most libraries.

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