

THE STATE OF HAWAII
DATA BOOK

1975

A STATISTICAL ABSTRACT

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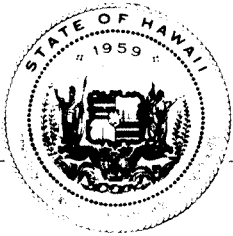
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STATE OF HAWAII.
DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT.
HONOLULU, HAWAII

NOVEMBER, 1975



DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

Kamamalu Building, 250 South King St., Honolulu, Hawaii • Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

GEORGE R. ARIYOSHI
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Deputy Director

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 1975, is the ninth 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.

Many Federal, State, County and private organizations cooperated in the preparation of this report. These agencies are credited in the source references to the tables to which they contributed. Their assistance is gratefully acknowledged.

Hideto Kono

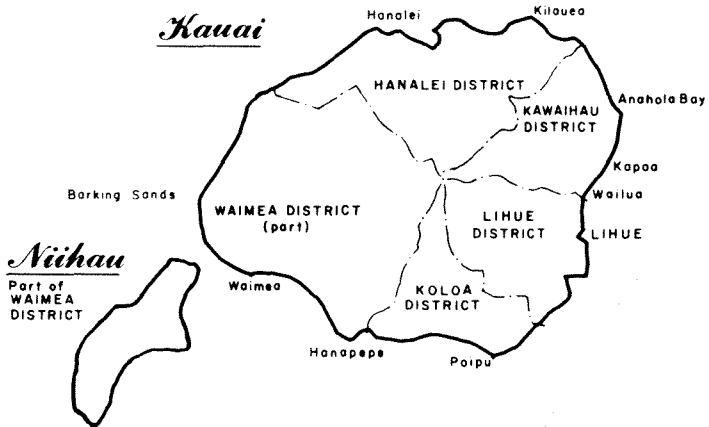
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The State of Hawaii Data Book is an annual publication of the Department of Planning and Economic Development, prepared in the Research and Economic Analysis Division, headed by Dr. Richard Y. P. Joun. The 1975 edition was prepared by Robert C. Schmitt, State Statistician, with the assistance of Lynn Y.S. Zane, Research Statistician.

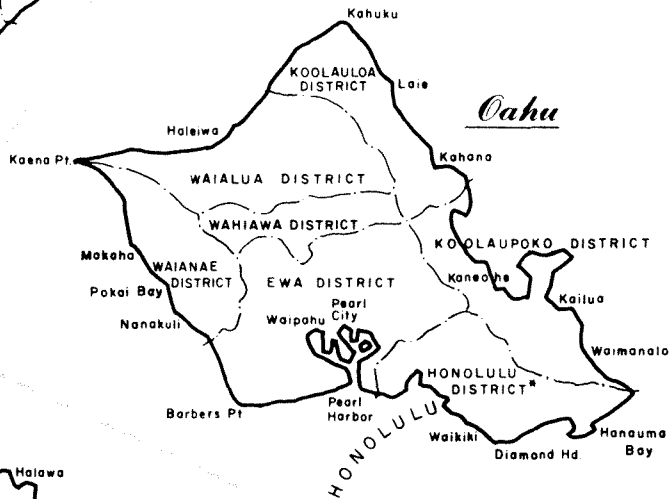
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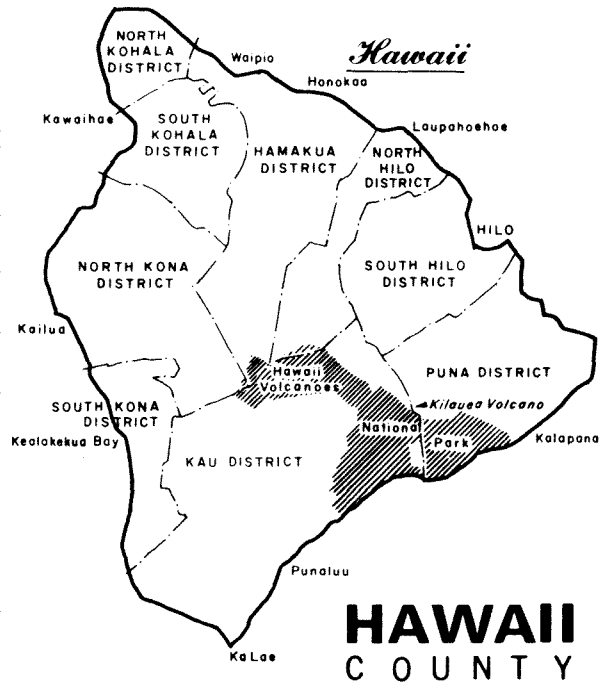
Niihau
Part of WAIMEA DISTRICT

KAUAI COUNTY

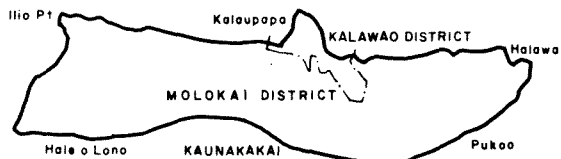
HONOLULU CITY & COUNTY



*Honolulu District includes Northwestern Hawaiian Islands

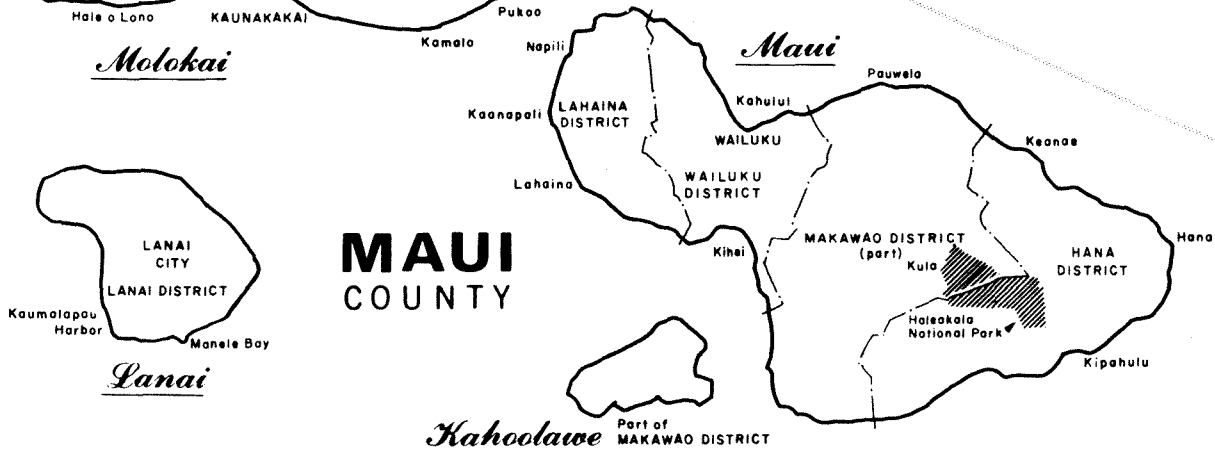


HAWAII COUNTY



Molokai

MAUI COUNTY



STATE OF
HAWAII



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	×	25.4	= millimeters	Millimeters	×	0.039	= inches
Feet	×	0.305	= meters	Meters	×	3.281	= feet
Yards	×	0.914	= meters	Meters	×	1.094	= yards
Miles	×	1.609	= kilometers	Kilometers	×	0.621	= miles
Square inches	×	6.452	= sq centimeters	Sq centimeters	×	0.155	= sq inches
Square feet	×	0.093	= sq meters	Square meters	×	10.764	= sq feet
Square yards	×	0.836	= sq meters	Square meters	×	1.196	= sq yards
Acres	×	0.405	= hectares	Hectares	×	2.471	= acres
Cubic inches	×	16.387	= cu centimeters	Cu centimeters	×	0.061	= cu inches
Cubic feet	×	0.028	= cu meters	Cu meters	×	35.315	= cu feet
Cubic yards	×	0.765	= cu meters	Cu meters	×	1.308	= cu yards
Quarts (lq)	×	0.946	= liters	Liters	×	1.057	= quarts (lq)
Gallons	×	0.004	= cu meters	Cu meters	×	264.172	= gallons
Ounces (avdp)	×	28.350	= grams	Grams	×	0.035	= ounces (avdp)
Pounds (avdp)	×	0.454	= kilograms	Kilograms	×	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) or hectare (ha)	=	10,000 m ²	= 2.471 acres
Sq mile (Sq mi)	= 27,878,400 sq ft or 3,097,600 sq yd or 640 acres	=	2.59 km ²	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) = .00000001 m ³	=	0.00006 cu in.
Cu foot (cu ft)	=	1,728 cu in.	Cu centimeter (cm ³) = .000001 m ³	=	0.061 cu in.
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 = 0.015 grain, avdp/t
			Centigram (cg)	=	.01 g = 0.154 grain, avdp/t
			Decigram (dg)	=	.1 g = 1.543 grains, avdp/t
Ounce (oz. avdp)	=	28.350 grams	Gram (g)		= 0.035 oz. avdp
Pound (lb. avdp) ²	=	16 ounces	Dekagram (dkg)	=	10 g = 0.353 oz. avdp
Hundredweight (cwt)	=	100 pounds			or 0.322 oz. t
Ton, short (tn)	=	2,000 pounds	Hectogram (hg)	=	100 g = 3.527 oz. avdp
Ton, long	=	2,240 pounds			or 3.215 oz. t
Troy Weight ³			Kilogram (kg) ⁵	=	1,000 g = 2.205 lb. avdp
					or 2.679 lb. t
			Metric ton	=	1,000 kg = 1.012 short tons
Grain	=	0.065 gram			or 0.984 long tons
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 = 1.101 liters
Fluid ounce (fl oz)	=	29.573 ml			
Pint (pt)	=	16 fl oz	Bushel (bu) ²	=	64 pints = 35.238 liters
		= 0.473 liter			or 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 = 0.034 fl oz (liquid) = 0.002 pt (dry)
Centiliter (cl)	=	.01 liter = 0.338 fl oz (liquid) = 0.018 pt (dry)
Liter (l) ¹	=	1.057 qt (liquid) = 0.908 qt (dry)
Hectoliter (hl)	=	100 liters = 26.418 gal (liquid) = 2.838 bu (dry)

¹Defined as 1.000028 cubic decimeters.

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

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-1974 indicate a population of 846,900. This total includes approximately 54,600 members of the armed forces and 68,300 of their dependents. It excludes an average of 63,000 visitors who were present in 1974, while including an average of 7,700 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 81.6 percent of the 1974 total lived on Oahu, giving that island a density in excess of 1,230 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 1974, approximately 123,800 persons (excluding military personnel and their dependents) moved to the State, while 91,000 moved away. The in-migrants included 95,300 persons from the Mainland and 28,500 from foreign countries, chiefly the Philippines.

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 section 1 and 3 of *Statistical Abstract of the United States: 1974*.

Table 1.—POPULATION OF THE STATE OF HAWAII, ISLAND OF OAHU, AND CITY OF HONOLULU: 1778 TO 1974

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	1974: July 1	846,900	691,200	342,300
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 1974, 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; 1974 from Hawaii State Department of Planning and Economic Development, Statistical Report 106 (February 24, 1975), table 2, and Hawaii State Census Tract Committee, Report CTC-28 (February 28, 1975), 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 1974

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	Other civilians			
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	37,300	10,300	796,900
July 1	774,300	53,000	721,200	57,800	663,400	36,900	10,000	801,100
1971	795,700	50,800	744,900	62,200	682,700	40,800	9,400	827,100
1972	816,100	52,000	764,200	66,200	698,000	50,300	8,600	857,800
1973	841,200	58,100	783,000	70,300	712,700	59,400	9,800	890,800
1974	846,900	54,600	792,300	68,300	724,000	63,000	7,700	902,200

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, 1974* (Statistical Report 106, February 24, 1975).

Table 4.—ESTIMATED POPULATION, 1970 TO 1974, AND DENSITY, 1974, BY COUNTY

Subject	State total	City and County of Honolulu	Other counties						
			Total	Hawaii County	Kauai County ¹	Maui County ²			
						Total	Lanai	Maui	Molokai
Total resident population:³									
1970: April 1	769,913	630,528	139,385	63,468	29,761	46,156	2,204	38,691	5,261
July 1	774,300	633,200	141,000	64,400	30,000	46,600	2,200	39,100	5,300
1971: July 1	795,700	648,700	147,000	67,900	30,900	48,200	2,200	40,700	5,400
1972: July 1	816,100	665,600	150,600	68,600	31,400	50,600	2,200	43,200	5,100
1973: July 1	841,200	685,700	155,500	71,600	32,100	51,800	2,300	44,200	5,300
1974: July 1	846,900	691,200	155,700	72,200	31,600	51,900	2,200	44,500	5,200
Civilian resident population:⁴									
1970: April 1	714,771	575,719	139,052	63,328	29,627	46,097	2,204	38,632	5,261
July 1	721,200	580,600	140,700	64,200	29,900	46,500	2,200	39,100	5,300
1971: July 1	744,900	598,200	146,700	67,700	30,800	48,200	2,200	40,600	5,400
1972: July 1	764,200	613,900	150,200	68,500	31,200	50,500	2,200	43,200	5,100
1973: July 1	783,000	627,900	155,100	71,400	32,000	51,800	2,300	44,200	5,300
1974: July 1	792,300	636,900	155,400	72,100	31,500	51,800	2,200	44,500	5,200
Total de facto population:⁵									
1970: April 1	796,900	647,800	149,100	67,100	32,800	49,200	2,200	41,700	5,300
July 1	801,100	651,800	149,300	67,200	32,500	49,600	2,200	42,000	5,400
1971: July 1	827,100	669,400	157,700	71,400	34,000	52,300	2,200	44,600	5,400
1972: July 1	857,800	693,200	164,700	73,200	35,300	56,200	2,300	48,700	5,200
1973: July 1	890,800	720,500	170,300	76,400	36,100	57,800	2,300	50,100	5,400
1974: July 1	902,200	729,700	172,500	77,700	35,800	59,000	2,200	51,500	5,300
De facto density, 1974:									
Per square mile	140.4	1,224.9	29.6	19.3	57.8	50.2	15.8	70.7	20.2
Per square kilometer	54.2	472.9	11.4	7.4	22.3	19.4	6.1	27.3	7.8

¹Includes Niihau (237 inhabitants on April 1, 1970 and 240 as of February 1, 1975).

²County totals include Kahoolawe (uninhabited). County totals and Molokai data include Kalawao County (197 inhabitants in 1974).

³Includes armed forces and their dependents. Includes residents temporarily absent and excludes visitors present.

⁴Includes military dependents but excludes armed forces. Includes residents temporarily absent and excludes visitors present.

⁵Includes armed forces and their dependents and visitors present; excludes residents temporarily absent.

Source: Hawaii State Department of Planning and Economic Development, *The Population of Hawaii, 1974* (Statistical Report 106, February 24, 1975).

Table 5.—RESIDENT POPULATION OF COUNTIES AND DISTRICTS: 1960 TO 1973
(Includes military personnel and dependents; excludes visitors present.)

County and district	April 1, 1960	April 1, 1970	July 1, 1973
The State	632,772	769,913	841,175
Honolulu	500,409	630,528	685,717
Honolulu	294,194	324,871	345,067
Koolaupoko	60,238	92,219	100,004
Koolauloa	8,043	10,562	10,362
Waialua	8,221	9,171	9,675
Wahiawa	34,595	37,329	40,765
Waianae	16,452	24,077	25,401
Ewa	78,666	132,299	154,443
Hawaii	61,332	63,468	71,551
Puna	5,030	5,154	6,460
South Hilo	31,553	33,915	37,973
North Hilo	2,493	1,881	1,990
Hamakua	5,221	4,648	4,965
North Kohala	3,386	3,326	3,491
South Kohala	1,538	2,310	2,620
North Kona	4,451	4,832	6,261
South Kona	4,292	4,004	4,075
Ka'u	3,368	3,398	3,716
Maui and Kalawao	42,855	46,156	51,783
Hana	1,073	969	1,030
Makawao	10,409	9,979	11,480
Wailuku	19,391	22,219	24,879
Lahaina	4,844	5,524	6,809
Lanai	2,115	2,204	2,323
Molokai	4,744	5,089	5,262
Kalawao	279	172	
Kauai	28,176	29,761	32,124
Waimea	7,057	7,569	7,944
Koloa	7,012	6,851	7,510
Lihue	6,297	6,766	7,296
Kawaihau	6,498	7,393	8,072
Hanalei	1,312	1,182	1,302

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, memorandum dated May 6, 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, 1974* (Report SB-A10, January 27, 1975), table 1.

CENSUS TRACT MAP ISLAND OF OAHU

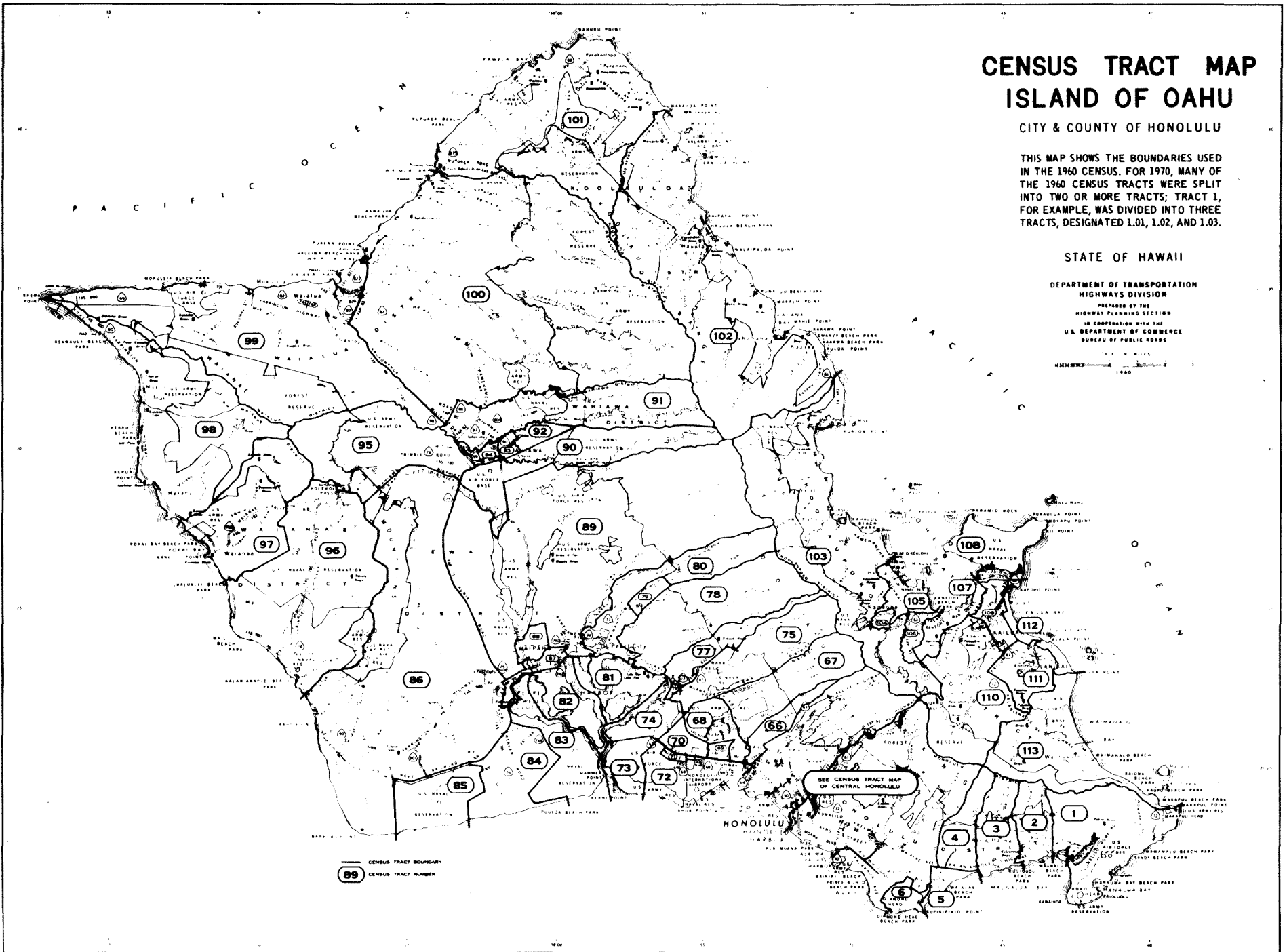
CITY & COUNTY OF HONOLULU

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

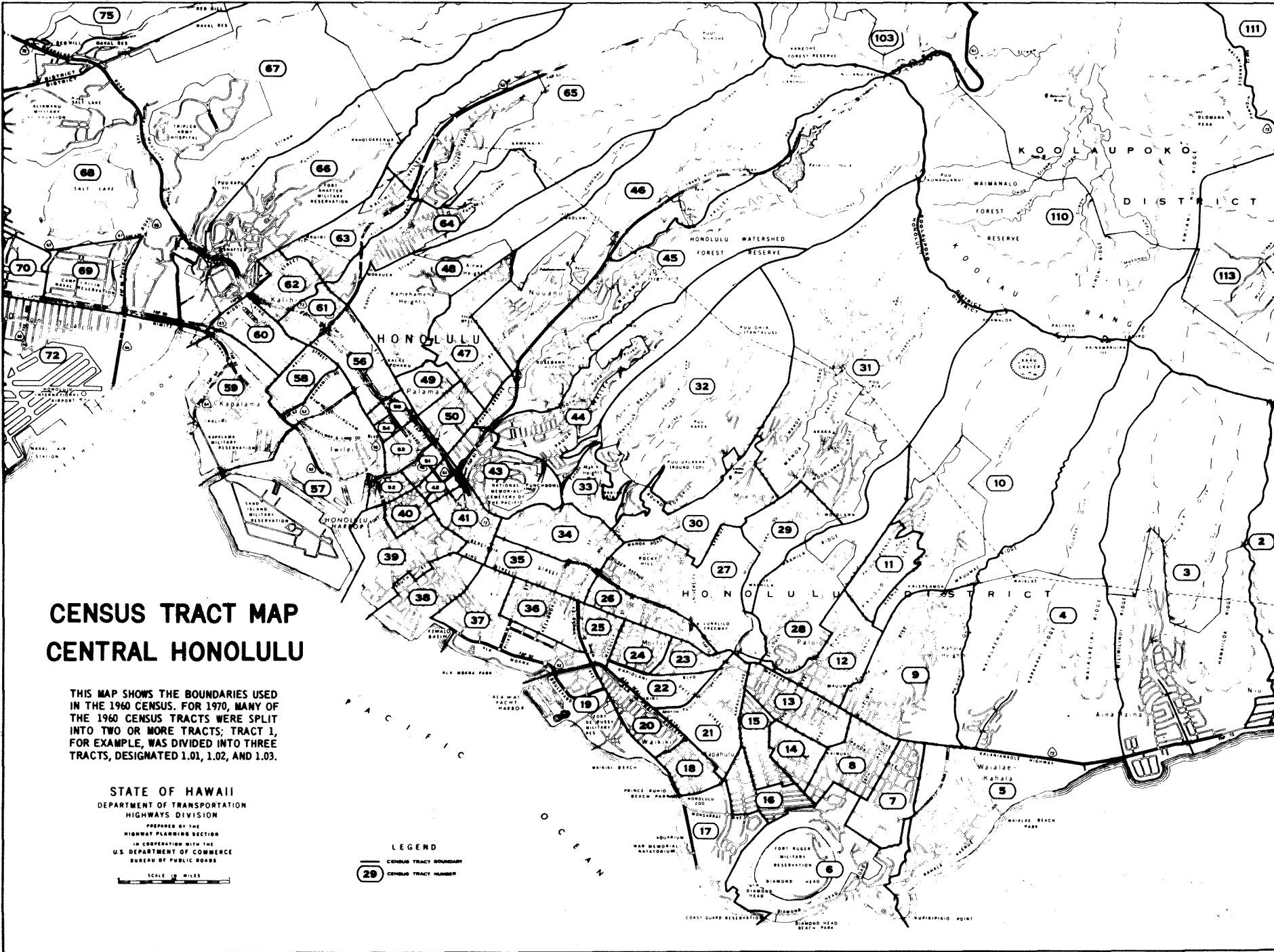
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PREPARED BY THE
HIGHWAY PLANNING SECTION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

NUMBER 1960



— CENSUS TRACT BOUNDARY
89 CENSUS TRACT NUMBER

SEE CENSUS TRACT MAP
OF CENTRAL HONOLULU



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 1974

Census tract	Area ¹ (acres)	Resident population		Persons per acre, 1974 ²	Employment (by place of work), 1970 ³	Housing units	
		April 1, 1970	July 1, 1974 ²			April 1, 1970 ⁴	July 1, 1974 ²
Oahu ⁵	383,345	630,528	691,168	1.8	245,890	174,742	202,292
Honolulu ⁵	56,590	324,871	342,259	6.0	142,776	103,189	114,731
1	7,458	12,572	20,012	2.7	533	3,498	5,829
2	2,210	5,123	5,284	2.4	166	1,356	1,453
3	2,842	6,485	6,313	2.2	473	1,710	1,729
4	2,366	4,469	5,786	2.4	162	1,190	1,602
5	708	5,253	5,094	7.2	1,654	1,835	1,846
6	812	2,025	1,960	2.4	646	575	578
7	240	3,794	3,707	15.4	344	994	1,008
8	223	4,599	4,433	19.9	289	1,237	1,256
9	688	10,679	10,444	15.2	785	3,239	3,290
10	1,951	3,650	3,623	1.8	66	894	922
11	190	4,586	4,571	24.0	293	1,023	1,060
12	280	7,888	7,637	27.3	660	2,148	2,160
13	231	5,146	4,931	21.3	1,661	1,589	1,583
14	122	2,990	2,898	23.8	68	848	854
15	139	4,345	4,177	30.0	317	1,261	1,260
16	151	4,783	4,595	30.4	323	1,392	1,387
17	331	2,559	2,540	7.7	1,119	1,523	1,568
18	102	4,060	4,268	41.8	1,328	2,379	2,602
19	377	4,479	4,786	12.7	12,668	2,770	3,078
20	123	4,585	4,982	40.5	4,759	2,991	3,382
21	300	3,347	3,710	12.4	1,177	1,211	1,396
22	152	3,796	6,165	40.6	241	1,493	2,521
23	89	4,195	4,917	55.2	814	1,654	2,001
24	107	5,878	5,879	54.9	1,109	2,143	2,226
25	107	4,242	4,088	38.2	775	1,630	1,631
26	164	5,163	5,532	33.7	4,099	1,815	2,040
27	625	8,714	7,017	11.2	6,182	2,491	2,694
28	624	4,316	4,166	6.7	1	1,161	1,163
29	259	1,591	1,554	6.0	196	394	404
30	410	4,966	4,963	12.1	218	1,561	1,623
31	2,275	8,433	8,418	3.7	203	2,179	2,260
32	1,468	1,218	1,224	0.8	21	360	376
33	148	1,145	1,123	7.6	44	285	290
34	274	14,913	16,928	61.8	492	7,331	8,684
35	185	4,308	5,859	31.7	7,255	1,925	2,725
36	180	5,570	5,739	31.9	7,259	2,628	2,813
37	408	1,349	1,297	3.2	18,551	746	744
38	254	837	768	3.0	16,550	279	258
39	292	397	337	1.2	13,829	119	97
40	71	100	96	1.4	24,924	53	53
41	163	4,097	4,177	25.6	7,763	1,903	2,015

Table 7.—AREA, POPULATION, AND HOUSING UNITS, FOR OAHU, BY CENSUS TRACTS: 1970 AND 1974 (continued)

Census tract	Area ¹ (acres)	Resident population		Persons per acre, 1974 ²	Employment (by place of work), 1970 ³	Housing units	
		April 1, 1970	July 1, 1974 ²			April 1, 1970 ⁴	July 1, 1974 ²
42	58	1,162	1,120	19.3	1,425	642	642
43	327	5,628	6,117	18.7	649	1,970	2,226
44	822	5,142	6,009	7.3	310	1,466	1,488
45	1,924	4,780	5,061	2.6	313	1,387	1,529
46	1,708	4,377	4,278	2.5	240	1,170	1,189
47	327	5,500	5,421	16.6	1,547	1,481	1,517
48	863	6,608	6,362	7.4	944	1,734	1,748
49	101	3,292	3,151	31.2	514	994	987
50	134	3,973	3,928	29.3	2,079	1,264	1,301
51	45	0	0	0	304	0	0
52	44	1,405	1,331	30.2	4,192	974	960
53	87	482	1,591	18.3	351	468	1,604
54	20	1,862	1,616	80.8	137	364	364
55	53	1,975	2,009	37.9	326	545	578
56	231	5,768	5,444	23.6	1,382	1,434	1,404
57	1,033	2,749	2,575	2.5	14,721	1,028	992
58	126	3,163	3,669	29.1	1,502	969	1,169
59	520	4,449	4,145	8.0	9,034	1,231	1,190
60	179	6,711	6,297	35.2	1,817	1,698	1,651
61	114	3,262	3,253	28.5	673	739	766
62	153	6,818	6,561	42.9	398	1,603	1,602
63	293	6,796	6,539	22.3	413	1,372	1,371
64	440	6,680	6,490	14.8	160	1,422	1,435
65	2,802	4,011	3,906	1.4	61	904	914
66	1,423	3,424	3,906	2.7	4,987	679	714
67	4,856	9,819	10,630	2.2	1,799	2,387	2,619
68	1,714	7,500	11,224	6.5	7,067	1,908	2,966
69	256	3,694	5,048	19.7	95	1,235	1,324
70	700	4,899	5,017	7.2	401	1,304	1,386
71	266	1,402	0	0	0	370	0
72	3,074	3,864	3,510	1.1	14,798	634	634
114	1,798	31	53	0.2	—	0	0
Rest of Oahu	326,755	305,657	348,909	1.1	103,114	71,553	87,561
73	1,465	10,564	12,140	8.3	10,170	1,557	2,152
74	1,180	9,086	7,963	6.7	28,907	756	755
75	5,903	11,424	10,792	1.8	1,293	2,506	2,487
76	163	2,934	3,155	19.4	104	727	811
77	2,199	9,632	9,722	4.4	1,378	2,347	2,461
78	9,162	5,695	9,611	1.0	938	1,740	3,300
79	647	762	674	1.0	4	2	2
80	4,851	24,329	27,836	5.7	2,316	5,821	6,970
81	1,061	3,535	3,211	3.0	860	614	659
82	1,780	0	0	0	147	0	0

Table 7.—AREA, POPULATION, AND HOUSING UNITS, FOR OAHU, BY CENSUS TRACTS: 1970 AND 1974 (continued)

Census tract	Area ¹ (acres)	Resident population		Persons per acre, 1974 ²	Employment (by place of work), 1970 ³	Housing units	
		April 1, 1970	July 1, 1974 ²			April 1, 1970 ⁴	July 1, 1974 ²
83	3,172	4,759	8,925	2.8	80	1,200	2,343
84	4,211	7,801	7,730	1.8	1,565	1,932	1,988
85	3,671	3,187	3,822	1.0	3,380	574	853
86	32,063	8,340	10,100	0.3	5,426	2,016	2,538
87	962	12,705	13,991	14.5	1,974	3,080	3,527
88	688	3,429	3,686	5.4	865	806	900
89	32,783	14,117	24,156	0.7	3,372	3,778	7,425
90	7,705	2,783	3,453	0.4	1,201	498	692
91	8,276	3,410	3,198	0.4	1,876	614	614
92	754	6,637	6,593	8.7	501	1,736	1,793
93	304	4,875	5,042	16.6	1,770	1,469	1,580
94	414	6,048	6,215	15.0	648	1,778	1,898
95	8,039	13,576	16,957	2.1	11,348	2,547	3,084
96	16,965	13,654	14,038	0.8	1,580	2,856	3,058
97	7,667	6,020	7,959	1.0	1,047	1,565	2,153
98	13,877	4,403	4,492	0.3	297	1,212	1,283
99	23,415	7,346	7,879	0.3	1,944	2,045	2,280
100	47,119	1,825	1,820	0.03	760	515	534
101	19,379	3,497	4,265	0.2	748	1,117	1,423
102	24,014	7,065	6,902	0.3	696	1,769	2,013
103	17,225	10,909	14,580	0.8	414	2,809	3,902
104	277	618	286	1.0	0	7	7
105	1,450	12,494	14,162	9.8	2,152	3,065	3,614
106	790	8,332	8,282	10.5	795	2,005	2,070
107	1,488	6,086	6,412	4.3	491	1,682	1,842
108	2,718	7,860	9,006	3.3	6,767	1,212	1,529
109	1,115	14,622	14,619	13.1	1,645	3,773	3,918
110	7,345	3,957	4,218	0.6	397	953	1,055
111	2,479	13,355	15,764	6.4	2,163	3,281	4,027
112	864	7,209	7,201	8.3	230	2,101	2,180
113	7,115	6,777	8,052	1.1	865	1,488	1,841

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 Tract Committee, *Population and Housing Unit Estimates for Oahu Census Tracts, 1970-1974* (Report CTC-28, February 28, 1975); unpublished estimates of employment by place of work supplied by the Hawaii State Department of Transportation, Advance Transportation Planning Office.

Table 8.—POPULATION CENTERS AND MEDIANS: 1920 TO 1974

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
1974	Likeliike Hwy. at Kalihi Stream	4,000 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 Tract Committee, *Population and Housing Unit Estimates for Oahu Census Tracts, 1970-1974* (Report CTC-28, February 28, 1975), 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 Water Resources Regional Study, forthcoming report.

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 AND 1974

Age	April 1, 1970	July 1, 1974 ¹	Percent distribution		Percent change, 1970-1974 ¹
			1970	1974 ¹	
All ages	769,913	847,000	100.0	100.0	10.0
Under 5 years	70,951	74,000	9.2	8.7	4.3
5 to 17 years	204,243	208,000	26.5	24.6	1.8
18 to 44 years	312,502	351,000	40.6	41.4	12.3
45 to 64 years	138,234	161,000	18.0	19.0	16.5
65 years and over	43,983	53,000	5.7	6.3	20.5
14 years and over	554,702	633,000	72.0	74.7	14.1
18 years and over	494,719	565,000	64.3	66.7	14.2
21 years and over	450,251	506,000	58.5	59.7	12.4

¹Provisional estimate.

Source: U.S. Bureau of the Census, "Estimates of the Population of States, by Age: July 1, 1973 and 1974," *Current Population Reports, Population Estimates and Projections*, Series P-25, No. 539, January 1975.

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: 1973
(Excludes persons in institutions or military barracks, or on Niihau.)

Ethnic stock	Total		Armed forces	Military dependents	Other civilians
	Number	Percent			
All groups	812,091	100.0	34,906	83,520	693,666
Unmixed	620,616	76.4	34,381	76,011	510,225
Caucasian	238,159	29.3	29,611	63,445	145,104
Japanese	223,130	27.5	764	1,651	220,716
Chinese	34,558	4.3	164	327	34,068
Filipino	79,664	9.8	1,717	4,660	73,287
Hawaiian	10,063	1.2	41	41	9,981
Korean	6,521	0.8	—	368	6,153
Negro	5,846	0.7	1,717	3,720	409
Puerto Rican	4,190	0.5	82	123	3,986
Samoan	6,786	0.8	41	245	6,500
Other unmixed ¹	11,698	1.4	245	1,431	10,022
Mixed	191,475	23.6	525	7,509	183,441
Part Hawaiian	134,230	16.5	327	2,739	131,164
Non Hawaiian	57,245	7.0	198	4,770	52,276

¹Includes persons not reporting their ethnic stock.

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation. Totals and sub-totals are 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 1975

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

NA Not available.

¹Nationalities over 450 in 1975 included United Kingdom (2,516), Canada (1,659), Germany (717), Vietnam (471), Thailand (454), and U.S. Trust Territories (1,094).

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		56,122	(NA)
Other relative of head	87,858	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 1974

Subject	Number
Total households:	
July 1, 1974 (provisional)	239,000
July 1, 1973	234,000
April 1, 1970 (census)	203,088
April 1, 1960 (census)	153,064
Change, 1970 to 1974	+36,000
Percent	+17.9
Average annual percent of change:	
1970 to 1974	+4.2
1960 to 1970	+2.8
Husband-wife households:	
July 1, 1974 (provisional)	166,000
July 1, 1973	166,000

Source: U.S. Bureau of the Census, "Estimates of the Number of Households for States: July 1, 1973 and 1974," *Current Population Reports, Population Estimates and Projections*, Series P-25, No. 544, April 1975.

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, International Meditation Society, 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 1974

Subject	April 1, 1960 to March 31, 1970			April 1, 1970 to June 30, 1974		
	Civilian population	Military dependents	Other civilians	Civilian population	Military dependents	Other civilians
Net change	+133,937	+1,801	+132,136	+77,500	+6,500	+71,000
Natural increase	126,161	42,351	83,810	48,900	15,000	33,900
Percent	94.2	—	63.4	63.1	...	47.7
Births	163,762	43,908	119,854	66,400	15,700	50,700
Deaths	37,601	1,557	36,044	17,500	700	16,800
Military separations						
less inductions	-4,120	—	-4,120	+4,400	—	+4,400
Net in-migration	+11,896	-40,550	+52,446	+24,200	-8,500	+32,800
Percent	8.9	—	39.7	31.2	...	46.2
In-migrants ¹	(NA)	(NA)	192,541	(NA)	(NA)	123,800
From U.S.	(NA)	(NA)	156,025	(NA)	(NA)	95,300
Aliens	(NA)	(NA)	36,516	(NA)	(NA)	28,500
Out-migrants ¹	(NA)	(NA)	140,095	(NA)	(NA)	91,000

NA Not available.

¹Excludes 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, 1974* (Statistical Report 106, February 24, 1975), table 4, p. 7.

Table 23.—INTENDED RESIDENTS ARRIVING IN HAWAII FROM THE MAINLAND UNITED STATES: 1958 TO 1974

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

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 1974

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	
1958	1,407	(¹)	91	484	(¹)	(¹)	832	1,220
1959	1,616	153	153	435	(¹)	(¹)	875	1,111
1960	1,619	229	101	360	(¹)	(¹)	929	2,377
1961	1,762	218	123	349	(¹)	530	542	1,668
1962	2,048	240	109	348	(¹)	776	575	1,534
1963	1,767	210	121	314	(¹)	569	553	1,629
1964	1,623	249	96	281	(¹)	455	542	1,542
1965	1,721	312	92	261	(¹)	447	609	1,319
1966	3,070	273	322	344	(¹)	1,352	779	1,625
1967	3,825	135	327	382	(¹)	2,147	834	1,902
1968 ²	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

¹Included with "other countries."²Data for Korea and Japan cover only the six-month period ended December 31, 1967.Source: U.S. Department of Justice, Immigration and Naturalization Service, *Annual Report* for 1958-1974 and records.**Table 25.—RESIDENCE ONE YEAR EARLIER, BY MILITARY STATUS: 1972**

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

Based on a sample survey of 21,924 persons.)

Place of residence 1 year earlier	Total	Armed forces	Military dependents	Other civilians
Total	787,051	33,127	80,403	673,521
Same house	614,395	15,555	42,148	556,692
Different house, same island	101,067	7,968	14,469	78,629
Different island	6,415	132	331	5,952
Different state	41,132	7,384	16,977	16,772
Different country	10,852	2,088	2,878	5,886
Under 1 year old	13,190	—	3,599	9,590

Source: Hawaii State Department of Health and Department of Planning and Economic Development, *Population Characteristics of Hawaii, 1972* (October 1974), p. 7.

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 70.46 years for males and 77.18 years for females in 1969-1971, about twice the 1884-1885 average of 36.5 years. The crude death rate in 1973 was only 5.4, half the 1930 level. Deaths under one year of age per 1,000 live births dropped from 82.3 in 1930 to 13.7 in 1973. Diseases of the heart have accounted for a third of all deaths in recent years; cancer, for one-fifth. The 1973 crude birth rate was 18.3, compared with 31.6 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 6,117 fetal deaths in 1973, including 4,534 elective abortions. Marriages numbered 9,776 in 1973, with about 15 percent accounted for by nonresidents. Divorces reached a 1973 total of 4,170. 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 2,347 physicians and surgeons, 740 dentists, 5,823 professional nurses, and 408 pharmacists in 1975. The most common communicable disease reported to authorities in 1973 was influenza, with 6,911 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: 1974* contains similar data for the nation as a whole.

Table 26.—BIRTHS AND DEATHS: 1958 TO 1974
(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	15,525	4,600	18.3	5.4	(NA)	(NA)	16.2

NA Not available.

¹Includes armed forces.

²20 weeks gestation and over. Includes elective abortions.

³Under 1 year of age.

⁴For earlier years, see source; also, *The State of Hawaii Data Book 1974*, p. 41.

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

Table 27.—BIRTHS, DEATHS, AND BIRTH AND DEATH RATES, BY MILITARY STATUS: 1973 AND 1974
(Place of occurrence basis)

Military status	De facto population		Live births		Deaths		Birth rate ¹		Death rate ¹	
	1973	1974 ²	1973	1974 ²	1973	1974 ²	1973	1974 ²	1973	1974 ²
Total population	890,800	902,200	15,358	15,372	4,579	4,584	17.2	17.0	5.1	5.1
Armed forces	58,100	54,600	—	—	70	49	0	0	1.2	0.6
Civilians	832,700	847,600	15,358	15,372	4,509	4,535	18.4	18.1	5.4	5.4
Military dependents	70,300	68,300	3,739	3,698	169	164	53.2	54.1	2.4	2.4
Other civilians	762,400	779,300	11,619	11,674	4,340	4,371	15.2	15.0	5.7	5.6
Armed forces and dependents	128,400	122,900	3,739	3,698	239	213	29.1	30.1	1.9	1.7

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 106*. Births and deaths from Hawaii State Department of Health, *Statistical Report*, 1973, and records.

Table 28.—CHARACTERISTICS OF BIRTHS AND DEATHS: 1963 TO 1973
(Place of occurrence basis)

Subject	1963	1972	1973
LIVE BIRTHS			
Number	17,744	15,413	15,358
Percent on Oahu	85.7	81.8	81.7
Males per 100 females	105.4	106.1	104.5
Percent attended by M.D. in hospital	99.3	99.2	99.2
Percent with prenatal visit in first 3 months	45.5	64.7	66.4
Percent of mixed race ¹	39.8	42.0	42.8
Median age of mother (years)	25.5	25.1	25.0
Percent first births to mother	27.1	39.4	38.3
Median weight of single births (grams)	3,204	3,253	3,260
Percent of births plural	1.9	1.4	1.9
Percent of births premature (under 2,500 grams)	9.5	7.9	7.0
Percent with one or more congenital malformations	0.9	1.1	1.1
CIVILIAN DEATHS			
Number	3,643	4,430	4,509
Percent on Oahu	73.1	74.6	74.7
Males per 100 females	168.0	157.1	155.3
Median age (years)	63.7	66.6	67.2
Disposition (percent): Burial	56.1	51.7	51.4
Cremation	37.3	38.1	37.7
Removal	6.5	9.3	9.8
Other	0.2	0.9	1.1
INFANT AND FETAL DEATHS			
Infant deaths, under 1 year	399	270	210
Infant deaths per 1,000 live births:			
Under 1 day	12.2	9.1	7.4
Under 1 week	17.1	12.3	10.4
Under 1 month	18.3	13.8	11.1
Under 1 year	22.5	17.5	13.7
Fetal deaths, total	1,194	6,162	6,117
Per 1,000 deliveries	63	286	283
Fetal deaths, 20 or more weeks gestation	211	352	252
Elective abortions	9	4,547	4,534
Per 1,000 live births	0.5	295	295

¹Includes Part Hawaiian. Base excludes births with unknown parentage.

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

Table 29.— DEATHS, BY CAUSE: 1933 TO 1973

Cause of death ¹	Number, 1973	Percent distribution			Rate per 100,000 population		
		1973	1963	1933	1973	1963	1933
All causes	4,320	100.0	100.0	100.0	519.1	527.8	950.1
Diseases of the heart	1,414	32.7	32.7	12.9	169.9	172.8	122.4
Malignant neoplasms	909	21.1	17.5	7.4	109.2	92.4	70.3
Cerebrovascular diseases	451	10.4	8.2	5.2	54.2	43.3	49.0
All accidents	264	6.1	6.2	6.1	31.7	33.0	57.8
Influenza and pneumonia	175	4.1	3.4	11.2	21.0	17.7	106.8
Certain causes in early infancy	132	3.1	7.9	6.1	15.9	41.6	58.3
Diabetes mellitus	114	2.6	2.5	1.6	13.7	13.3	15.1
Suicides	87	2.0	2.3	1.7	10.5	11.9	16.2
Cirrhosis of liver	73	1.7	1.4	0.7	8.8	7.6	7.0
Bronchitis, emphysema, and asthma	62	1.4	1.4	...	7.4	7.3	...
Congenital anomalies	59	1.4	2.2	1.7	7.1	11.6	16.4
Other diseases of arteries	45	1.0	1.3	...	5.4	7.0	...
Other external causes	40	0.9	...	...	4.8	...	...
Symptoms and ill-defined conditions	38	0.9	...	...	4.6	...	...
Homicide	36	0.8	0.3	0.7	4.3	1.5	6.3
All other causes	421	9.8	12.7	44.7	50.6	66.8	424.5

¹The leading causes of death in 1973, listed in order of deaths for that year.

Source: *Statistical Report, Department of Health, State of Hawaii, 1973*, p. 22.

**Table 30.—ACCIDENTS AND NATURAL DISASTERS CAUSING FIVE OR MORE DEATHS:
1779 TO 1974**

Category or year	All disasters		Worst disaster	
	Number	Deaths	Year or category	Deaths
All categories, 1779-1974	127	5,744	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	101	2,088	1830	250
Marine	52	1,509	1830	250
Air	42	539	1955	66
Railroad or 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	9	376	Marine	250
1850 to 1899	20	488	Marine	210
1900 to 1949	55	3,769	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

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 updated to December 31, 1974.

Table 31.—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) 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

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 32.—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 33.—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	668	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 34.—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 35.—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
Peridontal 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 36.—SPECIFIED COMMUNICABLE DISEASES: 1963 TO 1973

Disease	Cases			Deaths		
	1963	1972	1973	1963	1972	1973
All reportable diseases	14,480	13,592	18,812	160	36	20
Chickenpox	2,449	2,059	1,547	—	—	—
Gonorrhea	332	2,080	2,408	—	—	—
Hepatitis, infect. & serum	35	374	154	3	4	1
Influenza	1,316	1,402	6,911	4	3	4
Leprosy	22	45	44	1	1	—
Measles (Rubeola)	3,623	95	22	—	—	—
Measles, German (Rubella)	78	61	30	—	—	—
Mumps	2,598	316	283	—	—	—
Salmonellosis	320	560	540	1	—	—
Scarlet fever, other strep.	2,796	5,728	5,973	—	—	—
Syphilis	143	100	110	3	3	—
Tuberculosis	375	315	303	19	13	11
All others	393	457	487	129	12	4

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

**Table 37.—PHYSICIANS, DENTISTS, NURSES, AND PHARMACISTS LICENSED IN HAWAII:
1973-1975**

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 May 23, 1975, there were 740 licensed dentists, 5,823 licensed registered nurses, and 408 licensed pharmacists; the 1975 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 38.—MARRIAGES AND DIVORCES: 1958 TO 1974
(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 ²	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	4.8	81.3	38.6
1973	9,776	4,170	11.6	5.0	84.7	40.6
1974	9,700	4,111	11.5	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.

²For earlier years, see source; also, *The State of Hawaii Data Book 1974*, p. 50.

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 1958-1973; and records.

**Table 39.—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 1974-1975 totaled 211,702, or almost double the 1940 figure. There were 225 public schools with 7,711 classroom teachers and 176,844 students (about five-sixths of the total). There were also 120 private schools, with 34,858 pupils. Some 45,600 students attended colleges and universities in the State in 1974, half of them on the Manoa Campus of the University of Hawaii. Eighty-seven percent of the children 5 and 6 years old were in school in 1970 (compared with 34 percent in 1910), and 53 percent in the 18- and 19-year old group were enrolled (compared with 14 percent sixty years earlier). Among adults, the illiteracy rate dropped from 35 percent in 1900 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 1.8 million books, film reels, phonorecords, and other collections in 1974, with an annual circulation of 4.0 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: 1974* presents comparable data for the nation as a whole.

Table 40.—PUBLIC AND PRIVATE SCHOOLS, TEACHERS, ENROLLMENT, AND GRADUATES: 1958 TO 1974

School year ¹	Schools		Teachers		Enrollment or membership			High school graduates	
	Public	Private	Public	Private	Total	Public	Private	Public	Private
1958-1959 ²	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	(NA)	(NA)

NA Not available.

¹December through 1971, September thereafter.

²For earlier years, see *The State of Hawaii Data Book 1974*, p. 53.

Source: Hawaii State Department of Education, records.

Table 41.— PUPIL MEMBERSHIP, SEPTEMBER 1974, AND AVERAGE DAILY ATTENDANCE AND MEMBERSHIP, 1973-1974, FOR PUBLIC AND PRIVATE SCHOOLS

Subject	All schools	Public schools	Private schools
Pupil membership, all counties ¹	211,702	176,844	34,858
City and County of Honolulu	170,681	139,765	30,916
County of Hawaii	18,876	17,316	1,560
County of Maui	13,847	12,212	1,635
County of Kauai	8,298	7,551	747
Pupil membership, all grades ¹	211,702	176,844	34,858
Nursery	2,740	—	2,740
Kindergarten	15,207	12,664	2,543
1	14,658	12,307	2,351
2	14,489	12,265	2,224
3	14,994	12,807	2,187
4	15,547	13,312	2,235
5	16,091	13,850	2,241
6	16,636	14,315	2,321
7	16,808	13,997	2,811
8	16,438	13,788	2,650
9	16,747	14,077	2,670
10	16,377	13,865	2,512
11	14,949	12,630	2,319
12	13,954	11,643	2,311
Specials	5,604	4,861	743
Others	463	463	—
Average daily attendance, 1973-74	(NA)	160,892	(NA)
Average daily membership, 1973-74	(NA)	176,494	(NA)
Current expenditures, 1973-74 (\$1,000)	(NA)	267,250	(NA)
Per ADA (dollars)	(NA)	1,619	(NA)
Per ADM (dollars)	(NA)	1,476	(NA)

NA Not available.

¹As of September 20, 1974.

Source: Hawaii State Department of Education, records.

Table 42.—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 43.—EXPENDITURES, AVERAGE SALARIES, AND DAYS OF SCHOOL, FOR PUBLIC ELEMENTARY AND SECONDARY EDUCATION: 1925 TO 1974

Year ¹	Expenditures (dollars)		Cost per pupil ² (dollars)	Average annual salary of teachers (dollars)	Number of days of school
	Current operations	Capital outlay			
1925	2,754,452	727,664	68.88	1,560	170
1930	5,147,296	440,375	68.47	1,773	176
1935	4,751,855	155,664	56.80	1,605	173
1940	7,033,958	473,699	76.37	1,793	171
1945	12,118,032	582,897	149.21	3,481	173
1950	15,924,639	659,076	177.62	3,347	170
1955	25,070,972	3,613,805	220.87	4,422	166
1960	46,641,819	6,439,864	332.37	5,802	168
1965	69,119,765	18,643,073	435.29	6,060	169
1970	146,753,192	37,564,333	818.19	9,591	179
1971	179,070,294	34,539,101	988.54	10,424	177½
1972	183,830,422	35,269,593	1,007.10	10,459	178½
1973	184,118,840	31,618,093	1,014.02	10,883	174
1974	221,923,654	33,618,196	1,257.40	11,968	176

¹Data for 1950 and later years are for fiscal years.

²Based on average daily membership.

Source: Hawaii State Department of Education, records.

**Table 44.—ENROLLMENT AND DEGREES AND DIPLOMAS CONFERRED, FOR THE UNIVERSITY OF HAWAII AT MANOA
AND HILO COLLEGE: 1958-59 TO 1974-75**

School year	Fall enrollment, UH Manoa ¹				Fall enrollment, Hilo College ¹	Degrees, diplomas and certificates conferred, UH Manoa					Degrees, diplomas and certificates, Hilo College	
	Total	Under-graduate	Graduate	Unclassified ²		Assoc. degrees	Bachelor's degrees	Master's degrees	Doctor's degrees	Other ³	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	...	...	...	...	...	...	...

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

²Includes students with no data on student level.

³Certificates in Dental Hygiene, professional diplomas, etc.

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

Table 45.—ENROLLMENT AND DIPLOMAS CONFERRED, FOR COMMUNITY COLLEGES: 1964-1965 TO 1974-1975

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	14,707	2,523	3,001	5,236	535	1,148	953	1,311	1,186	560
1973-1974	15,699	2,731	3,476	5,237	819	1,261	934	1,241	1,318	412
1974-1975	17,172	3,266	3,597	5,678	1,010	1,378	965	1,278	(NA)	(NA)

NA Not available.

¹Fall semester enrollment. Early admittees, concurrent registrants and continuing education students included through 1971-1972 and excluded thereafter.

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 46.—COLLEGES AND UNIVERSITIES: 1974

Institution	Location	Enrollment in credit courses, Fall 1974 ¹			Degrees awarded, 1974				
		Total	Under-graduate	Graduate	Associate	Bachelors	Masters	Doctors	Other ²
University of Hawaii, total		41,079	35,768	4,059	1,403	3,406	1,165	109	693
Univ. of Hawaii at Manoa	Honolulu ..	21,526	16,215	4,059	85	3,260	1,165	109	281
Univ. of Hawaii at Hilo	Hilo	3,391	3,391	—	139	146	—	—	83
Hilo College	Hilo	1,860	1,860	—	—	146	—	—	—
Hawaii Community College ³	Hilo	1,531	1,531	—	139	—	—	—	83
Community colleges ³		16,162	16,162	—	1,179	—	—	—	329
Honolulu Community College ³ ...	Honolulu ..	3,306	3,306	—	...	—	—	—	—
Kapiolani Community College ³ ..	Honolulu ..	3,654	3,654	—	...	—	—	—	—
Leeward Community College ³	Pearl City ..	5,816	5,816	—	...	—	—	—	—
Windward Community College ³ ..	Kaneohe ..	1,046	1,046	—	...	—	—	—	—
Kauai Community College ³	Lihue	1,031	1,031	—	...	—	—	—	—
Maui Community College ³	Kahului ...	1,309	1,309	—	...	—	—	—	—
Private institutions, total		4,541	4,526	15	20	547	—	—	—
Brigham Young Univ.-									
Hawaii Campus	Laie	917	902	15	—	157	—	—	—
Chaminade College of Honolulu ...	Honolulu ..	2,158	2,158	—	12	326	—	—	—
Hawaii Loa College	Kaneohe ..	217	217	—	—	40	—	—	—
Hawaii Pacific College	Honolulu ..	1,161	1,161	—	—	24	—	—	—
U.S. International Univ.-									
Maunaolu Campus ³	Makawao ..	88	88	—	8	—	—	—	—

¹Data for University of Hawaii system limited to regular credit program. Manoa total includes 1,225 unclassified students and 27 with status unreported.

²Professional diplomas (256), certificates in dental hygiene (25), and certificates of achievement (412).

³Two-year program.

Source: University of Hawaii, Management Systems Office, *Facts About the University of Hawaii* (December 1974); data supplied by private institutions.

Table 47.—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 48.—YEARS OF SCHOOL COMPLETED BY PERSONS 25 YEARS OLD AND OVER: 1972

(Excludes persons in institutions or military barracks, or on Niihau. Based on a sample survey of 11,348 persons.)

Years of school completed	Number	Percent
Persons 25 years old and over	405,787	100.0
8 years or less	79,608	19.6
9 to 11 years	45,268	11.2
12 years	144,167	35.5
13 to 15 years	54,794	9.5
16 years	38,657	9.5
17 years or more	30,926	7.6
Not reported	12,368	3.0

Source: Hawaii State Department of Health and Department of Planning and Economic Development, *Population Characteristics of Hawaii, 1972* (Population Report, No. 2, October 1974), p. 9.

Table 49.—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," *HLA Journal*, Vol. XXIX, No. 2, December 1972.

Table 50.—COLLECTIONS AND CIRCULATION FOR THE HAWAII STATE AND UNIVERSITY OF HAWAII LIBRARY SYSTEMS: 1974

System and branch or campus	Number of volumes: June 30, 1974	Other collections: June 30, 1974	Circulation: year ended June 30, 1974
Hawaii State system	1,473,353	356,972	3,984,706
State Library Branch ¹	285,303	333,154	476,247
Library for Handicapped	39,980	—	31,889
Oahu Public Library ²	701,462	15,892	2,321,600
Hawaii Public Library	205,565	3,666	566,346
Kauai Public Library	107,217	2,019	295,138
Maui Public Library	133,826	2,241	293,486
University of Hawaii system	1,561,517	—	601,568
Manoa	1,344,918	—	452,850
Hilo College	61,429	—	16,963
Community Colleges	155,170	—	131,755
Honolulu	26,986	—	45,533
Kapiolani	22,882	—	6,638
Leeward	39,473	—	34,339
Windward	8,201	—	6,668
Hawaii	6,814	—	3,947
Kauai	15,925	—	10,115
Maui	34,889	—	24,515

¹Main branch, 478 South King Street, Honolulu.

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

Source: Hawaii State Department of Education, Office of Library Services, records; University of Hawaii, Office of the Vice President for Business Affairs, records.

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 1974 numbered 51,451, or twice as many as in 1966. The rate per 100,000 population has increased from 2,271 in 1960 to 6,075 in 1974. More than 84 percent of the 1974 total occurred on Oahu. For the State as a whole, major offenses known to police in 1974 included 72 murders, 104 cases of negligent manslaughter, 229 rapes, 997 robberies, 514 aggravated assaults, 15,223 burglaries, 29,311 cases of larceny, and 4,993 auto thefts. The value of property reported stolen on Oahu alone in 1973 exceeded \$7.6 million; only 12.8 percent was recovered. For the State as a whole, 20.7 percent of the major offenses and 65.3 percent of the minor offenses were cleared by arrest or otherwise. Fifty-five percent of the persons arrested for major crimes and 29 percent of those arrested for lesser offenses were less than eighteen years of age. Over one-fourth of the juveniles were counseled and released, and only a small number were committed to the State Youth Correctional Facility. Inmates of the State correctional institutions averaged 381 during 1974, compared with 653 a decade earlier. The State Supreme Court, five circuit courts, and twenty-seven district courts handled 593,000 cases in 1974, double the case load a decade earlier. Filings in the Federal District Court included 313 civil cases, 167 criminal cases, and 415 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: 1974*, Section 5.

Table 51.—CRIMINAL JUSTICE: 1970

Subject	Amount
All criminal justice activities: ¹	
Agencies, January 1970	96
State courts	46
Other state criminal justice agencies	35
Local criminal justice agencies	15
Full-time equivalent employees, October 1970	2,960
State	1,054
Local	1,946
Payroll, October (\$1,000)	2,464
State	755
Local	1,709
Expenditures, fiscal 1970 (\$1,000)	35,910
Current expenditures	34,465
Capital outlays	1,445
Jails:	
Number, 1970	4
Inmate population, March 15, 1970	97
Cells, 1970	90
Operating costs, fiscal 1969 (\$1,000)	614
State prisons:	
Admissions, 1970	188
Departures, 1970	120
Population, Dec. 31, 1970	228
First releases with sentences of 1 year or longer, 1970	94
Deaths from suicide or homicide, 1968:	
Suicide	57
Firearm and explosive	20
Hanging, strangulation, suffocation	18
Other causes	19
Homicide	22
Assault by firearm and explosive	15
Other means	7
Offenses known to police, 1971: all "index crimes"	28,170
Violent crime	1,830
Property crime	26,340
Children's cases disposed of by juvenile courts, 1971:	
Judicial	3,616
Nonjudicial	5,122

¹Police protection activities, judicial activities, prosecution activities, indigent defense activities, correctional activities, and other criminal justice activities.

Source: U.S. Department of Justice, Law Enforcement Assistance Administration, National Criminal Justice Information and Statistics Service, *Sourcebook of Criminal Justice Statistics, 1973* (August 1973).

Table 52.—ACTUAL MAJOR (PART 1) OFFENSES KNOWN TO THE POLICE, BY COUNTY: 1958 TO 1974

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	5,321	36,779	1,626	993	1,803
1971	42,952	5,398	37,459	1,867	1,326	2,300
1972	37,091	4,545	31,594	2,047	1,195	2,255
1973	41,850	4,975	35,275	2,612	1,596	2,367
1974	51,451	6,075	43,572	3,031	1,732	3,116

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

**Table 53.—ACTUAL MAJOR OFFENSES KNOWN TO POLICE, FOR THE CITY AND COUNTY OF HONOLULU:
1958 TO 1974**

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

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

Table 54.—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 1974

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 55.—ACTUAL OFFENSES KNOWN TO POLICE, BY COUNTY, AND OFFENSES CLEARED BY ARREST OR OTHERWISE: 1974

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	104,497	85,940	5,808	3,259	9,490	45,306	43.4
Part I offenses	51,451	43,572	3,031	1,732	3,116	10,653	20.7
1A Murder; non-neg. manslaughter	72	62	6	3	1	41	56.9
1B Manslaughter (negligent)	104	84	5	8	7	48	46.2
2 Rape	229	190	14	13	12	121	52.8
3 Robbery	997	951	21	7	18	334	33.5
4 Aggravated assault	514	301	54	120	39	270	52.5
5 Burglary	15,223	13,040	876	557	750	2,288	15.0
6 Larceny	29,311	24,269	1,952	958	2,140	2,027	6.9
Over \$200	(NA)	3,821	786	(NA)	324	(NA)	(NA)
\$50 to \$200	(NA)	6,362					
\$5 to \$50	(NA)	9,780	1,166	(NA)	1,816	(NA)	(NA)
Under \$5	(NA)	4,306					
7 Auto theft	4,993	4,675	103	66	149	1,060	21.2
Part II offenses ²	53,046	42,368	2,777	1,527	6,374	34,653	65.3
8 Other assaults	6,287	4,970	327	414	576	4,671	74.3
9 Arson	191	180	11	—	—	30	15.7
10 Forgery; counterfeiting	551	333	113	30	75	288	52.3
11 Fraud	927	623	114	38	130	588	63.4
12 Embezzlement		21	1				
13 Stolen property, reg.	51	16	11	—	24	46	90.2
14 Vandalism	5,922	5,381	541	—	—	888	15.0
15 Weapons	663	571	56	2	34	557	84.0
16 Prostitution	536	531	3	2	—	480	89.6
17 Sex offenses	449	324	24	25	76	207	46.1
18 Drug laws	1,895	938	425	3	529	1,351	71.3
19 Gambling	435	333	20	21	61	399	91.7
20 Offenses against family	314	54	17	237	6	38	12.1
21 Driving intoxicated	3,236	2,375	178	143	540	3,211	99.2
22 Liquor laws	452	295	21	—	136	443	98.0
24 Disorderly conduct	2,137	1,778	102	46	211	1,956	91.5
25 Vagrancy	23	—	—	23	—	3	13.0
26 All other offenses	28,795	23,645	631	543	3,976	19,343	67.2
27 Curfew	13	—	13	—	—	13	100.0
28 Runaway	169	—	169	—	—	141	83.4

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 56.—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 57.—VALUE OF PROPERTY REPORTED STOLEN AND VALUE OF STOLEN PROPERTY RECOVERED (EXCLUSIVE OF AUTOMOBILES), FOR THE CITY AND COUNTY OF HONOLULU: 1958 TO 1974

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

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

Table 58.—FEDERAL DISTRICT COURT CASES: 1958 TO 1974

Year ended June 30	Civil cases		Criminal cases		Bankruptcy cases				
	Filings	Terminations	Filings (incl. transfers)	Terminations	Total	Commenced			Terminated
						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

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 59.—STATE JUDICIARY CASELOAD: 1958 TO 1974
(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 .....	...	...	...	...	...	...
Misdemeanors or Part II .....	...	...	...	...	...	...
Other proceedings .....	...	...	1,754	1,816	2,189	2,247
Family Courts	(4)	...	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 ⁵	152,296	...	150,736	202,491	195,287	273,966
Civil cases .....	...	...	...	...	...	...
Traffic cases .....	...	...	...	...	...	...
Other violations .....	...	...	...	...	...	...
Criminal cases .....	...	...	...	...	...	...
Felonies or Part I .....	...	...	...	...	...	...
Misdemeanors or Part II .....	...	...	...	...	...	...
Other proceedings .....	...	...	...	...	...	...

(Continued on next page)

Table 59.—STATE JUDICIARY CASELOAD: 1958 TO 1974 (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	471	438	513	162	585	668
Misdemeanors or Part II	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 .....	...	...	...	...	...	...
Felonies or Part I .....	...	...	...	...	...	...
Misdemeanors or Part II .....	...	...	...	...	...	...
Other proceedings .....	...	...	...	...	...	...

(Continued on next page)

Table 59.—STATE JUDICIARY CASELOAD: 1958 TO 1974 (continued)

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

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

²Year ended June 30.

³Data for 1960 exclude naturalization cases.

⁴Included with District Courts proper.

⁵Data for 1960 limited to District Courts of the First Circuit.

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

Table 60.—STATE JUDICIARY CASES FILED, BY TYPE OF ACTION: 1974
(Year ended June 30)

Court and type of action	Number	Court and type of action	Number
Supreme Court, total	419	District Court, total	580,462
Primary cases	178	Civil	13,832
Appeals	172	Regular	12,280
Original proceedings	6	Small claims	1,552
Supplemental proceedings	241	Traffic	530,107
Circuit Court Proper, total	9,324	Moving—arrest and citation	148,925
Primary proceedings	8,687	Non-moving	41,447
Civil actions	3,556	Parking	339,735
Probate proceedings	1,592	Other violations	17,751
Guardianship proceedings	487	Criminal actions	18,772
Miscellaneous proceedings	1,046	Part I offenses	3,198
Criminal actions	2,006	Part II offenses	15,574
Part I offenses	762		
Part II offenses	1,244		
Supplemental proceedings	637		
Family Courts, total	16,420		
Primary proceedings, referrals	14,258		
Marital actions, proceedings	5,786		
Adoption proceedings	904		
Paternity proceedings	57		
Miscellaneous proceedings	256		
Criminal actions	25		
Adults' referrals	691		
Children and minors' referrals	6,539		
Supplemental proceedings	2,162		

Source follows next table.

Table 61.—STATE JUDICIARY CASE TERMINATIONS, BY TYPE: 1974
(Year ended June 30)

Court and type of termination	Number	Court and type of termination	Number
Supreme Court, total	383	District Court, total	568,594
Opinion filed	99	Felonies	1,641
Dismissal motion granted	8	Stricken or discharged	578
Withdrawn or discontinued	38	By commitment to Grand Jury	986
Other disposition	238	By commitment to Circuit Court	77
		Misdemeanors	15,491
Circuit Court Proper, total	7,686	By discharge or dismissal	3,780
No service	529	By nolle prosequi	986
No answer	350	Stricken	1,214
No statement of readiness	17	By bail forfeiture	971
Dismissal: Notice of	329	By commitment to Circuit Court	531
Stip. for	1,108	By conviction	8,009
By judge	92	Civil cases	12,831
Nonjury: Trial	242	By discontinuance or dismissal	3,443
Trial not completed	27	By default or confession	8,774
Jury: Verdict	224	By trial	614
Trial not completed	40	Traffic and other violations	538,631
Hearings: No trial held	1,065	By discharge or dismissal	10,353
Contested	82	By nolle prosequi	3,231
Uncontested	1,529	Stricken	47,136
Others	2,052	By bail forfeiture	415,787
		By commitment to Circuit Court	19
Family Courts, total	16,310	By conviction	62,105
Nolle prosequi	10		
Dismissal	1		
Nonjury: Trial	9		
Trial not completed	7		
Jury: Verdict	2		
Trial not completed	—		
Hearings: No trial held	62		
Contested	1,464		
Uncontested	8,517		
Counseling service	3,468		
Others	2,770		

Source of tables 60 and 61: *The Judiciary State of Hawaii Annual Report, July 1, 1973 to June 30, 1974.*

**Table 62.—AVERAGE NUMBER OF INMATES IN CORRECTIONAL INSTITUTIONS:
1958 TO 1974**

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

NA Not available.

¹Years ended June 30.

²Calendar years.

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 63.—INMATE MOVEMENT FOR HAWAII STATE CORRECTIONAL FACILITIES: YEAR ENDED JUNE 30, 1974

Subject	Hawaii State Prison	Diagnostic Center	Conditional Release Centers		Kulani Honor Camp	Maui Community Correctional Facility ¹	Youth Correctional Facility	
			Kamehameha	Laumaka			Boys	Girls
Committed	—	56	—	—	5	176	123	28
Returned from parole	35	—	—	—	—	—	56	12
Transfers in	65	20	14	11	46	18	—	—
Transfers out	45	75	6	4	17	—	—	—
Continue on parole	1	—	—	—	—	—	32	7
Paroled	81	—	1	3	17	5	75	14
Discharged	5	6	—	—	1	174	80	22
Died	3	—	—	—	—	—	—	—
Average population	194.3	13.1	12.8	16.4	51.8	13.2	61.6	16.6
Population, end of period	184	7	15	18	54	8	55	14
Capacity, end of period	448	30	15	15	200	20	200	

¹Formerly Maui County Jail, transferred to Corrections Division in July 1973. Movements include misdemeanors (173 committed, 6 transferred in, 172 discharged, 4.1 average population) as well as felons (3 committed, 12 transferred in, 5 paroled, 2 discharged, 9.1 average population).

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

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: 32 out of 35 major Oahu beaches were rated "A" in 1973 (coliform not exceeding 50 per 100 ml.), only three 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: 1974*, Section 6.

Table 64.—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 ²	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 65.—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, *Hawaii, the Natural Environment* (1974), pp. 9 and 13.

Table 66.—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	Kawaikini	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 67.—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 68.—VOLCANIC ERUPTIONS: 1790 TO 1974

(Includes eruptions over 200 days in duration, 15 square miles in area, or 200,000,000 cubic yards in volume; the most recent eruption of record for each volcano; and all eruptions since 1968.)

Volcano and date of outbreak	Duration (days)	Area (square miles)	Volume (cubic yards)
Haleakala:			
c. 1790	(NA)	2.2	35,000,000
Hualalai:			
1800-1801	(NA)	17.7	410,000,000
Mauna Loa:			
1843: Jan. 9	90	20.2	250,000,000
1855: Aug. 11	450	12.2	150,000,000
1859: Jan. 23	300	32.7	600,000,000
1873: Apr. 20	547	(NA)	(NA)
1880: Nov. 1	280	24.0	300,000,000
1887: Jan. 16	10	11.3	300,000,000
1899: July 4	19	16.2	200,000,000
1919: Sept. 29	Short	9.2	350,000,000
1950: June 1	23	35.0	600,000,000
Kilauea:			
1840: May 30	26	6.6	281,000,000
1919: Feb. 7	294	1.6	34,500,000
Dec. 21	221	5.0	62,000,000
1967: Nov. 5	251	0.25	110,000,000
1968: Aug. 22	5	0.01	50,000
Oct. 7	15	0.8	9,000,000
1969: Feb. 22	6	2.3	22,000,000
May 24	875	19.3	240,000,000
1971: Aug. 14	< 1	0.8	13,000,000
Sept. 24	5	1.5	10,000,000
1972: Feb. 4	455	13.5	162,000,000
1973: May 5	< 1	0.05	1,300,000
May 7	187	0.2	3,200,000
Nov. 10	30	0.6	3,900,000
Dec. 12	222	3.1	39,000,000
1974: July 19	3	1.2	13,000,000
Sept. 19	< 1	0.4	14,200,000
Dec. 31	< 1	2.9	19,500,000

NA Not available.

Source: Gordon A. Macdonald and Agatin T. Abbott, *Volcanoes in the Sea* (University of Hawaii Press, 1970), pp. 50, 53, 56-57, and 74-75; D. W. Peterson, R. L. Christianson, W. A. Duffield, R. T. Holcomb, and R. I. Tilling, "Recent Activity of Kilauea Volcano, Hawaii," *Bulletin Volcanologique* (in press); and unpublished data from the U.S. Geological Survey, Hawaiian Volcano Observatory. Correct to December 31, 1974.

**Table 69.—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

Source: Augustine S. Furumoto, N. Norby Nielsen, and William R. Phillips, *A Study of Past Earthquakes, Isoseismic Zones of Intensity and Recommended Zones for Structural Design for Hawaii* (University of Hawaii, Center for Engineering Research, June 15, 1972), pp. 16-19; Hawaii Institute of Geophysics, records. Correct to April 9, 1975.

**Table 70.—TSUNAMIS WITH RUN-UP OF 2 METERS (6.6 FEET) OR MORE:
1946 TO 1975
(Correct to April 9, 1975)**

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

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.

Table 71.—WATER USE: 1950 TO 1970
(In millions of gallons per day, unless otherwise specified.)

Subject	1950	1960	1965	1970
Water withdrawn ¹	1,270	1,500	2,000	2,700
Ground water	610	600	820	920
Fresh	(NA)	580	780	910
Saline	(NA)	21	37	13
Surface water	660	860	1,200	1,700
Fresh	(NA)	600	670	850
Saline	(NA)	260	500	860
Reclaimed sewage	(NA)		—	66
Withdrawn for irrigation	1,120	920	1,160	1,280
Conveyance losses	(NA)	100	200	220
Used for hydroelectric power	580	(NA)	360	330
Fresh water consumed	(NA)	410	580	810
Per capita use (gallons per day)	2,500	2,500	2,800	3,500

NA Not available.

¹Excludes water used for hydroelectric power. Irrigation conveyance losses included in 1965 and 1970, excluded in 1960, and not specified in 1950.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States* for 1950 (Circular 115, May 1951), 1960 (Circular 456, 1961), 1965 (Circular 556, 1968), and 1970 (Circular 676, 1972).

Table 72.—AVERAGE DAILY WATER CONSUMPTION FROM COUNTY WATERWORKS: 1958 TO 1974
(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	135.6	67.2	44.4	8.99	4.66	10.45
1974	133.6	65.6	43.0	9.32	5.04	10.69

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 1963-1974, and records; Hawaii County Department of Water Supply, records; Kauai County Department of Water, records; Maui County Department of Water Supply, records.

Table 73.—WATER QUALITY DATA FOR OAHU BEACHES: 1950 TO 1973

Beach	Coliform per 100 milliliters (logarithmic average)					
	1950	1960	1970	1971	1972	1973
Ala Moana Park ¹	177.0	11	3	8	12	6
Fort De Russy	19.2	7	11	15	17	13
Kuhio Beach	4.0	6	25	43	14	20
Hanauma Bay	3.9	2	16	7	3	9
Kailua Beach	6.4	6	15	14	6	7
Punaluu Park	6.3	157	8	74	19	33
Haleiwa Park	12.6	81	7	11	12	7
Waianae Park	1.7	3	13	32	9	5
Ewa Beach	2.4	9	4	6	13	16

¹Diamond Head side.

Source: *Annual Report, Department of Health, State of Hawaii, Statistical Supplement, 1950-1973.*

Table 74.—DAILY REFUSE, FOR OAHU: 1970
(Excludes agricultural and military refuse.)

Kind of refuse	Tons
Total refuse	2,236
Combustible:	
Paper	635
Trimings	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 75.—SUSPENDED PARTICULATE MATTER,
FOR HONOLULU: 1957 TO 1974**

(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

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

Table 76.—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 77.—AEROMETRIC SURVEY DATA FOR SPECIFIED LOCATIONS: 1974

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	16	31	25	19	13	25	16	29	12	13
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	0.6	—	—	—	—	—	—	—	—	—
Photochemical oxidants ³	6	—	—	—	—	—	—	—	—	—
Maximum:										
Particulate matter ³	87	155	161	132	74	127	121	561	59	110
Sulfur dioxide ³	44	80	32	14	—	16	179	—	14	< 5
Nitrogen dioxide ³	95	75	95	24	—	95	41	—	23	86
Carbon monoxide, 1 hr. ⁴	30.5	—	—	—	—	—	—	—	—	—
Photochemical oxidants ³	122	—	—	—	—	—	—	—	—	—
Annual average:										
Particulate matter ³	35	60	58	47	31	63	70	136	26	37
Sulfur dioxide ³	10	5	5	< 5	—	5	30	—	< 5	< 5
Nitrogen dioxide ³	37	37	25	< 20	—	41	< 20	—	< 20	< 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 78.—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 79.—NOISE COMPLAINTS RECEIVED BY THE HONOLULU POLICE
DEPARTMENT: 1973 AND 1974**

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

Source: Honolulu Police Department, records.

Table 80.—CLIMATIC DATA FOR SELECTED PLACES

VRE

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	70.6	75.8	53	94	136.62	38
Haw'n Volcanoes Nat. Park Hdq.	3,971	57.9	63.5	37	85	100.69	—
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	13.25	—
Kahului Airport	48	71.7	79.0	48	95	16.33	70
Lahaina	45	71.2	77.7	52	93	14.53	—
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	72.4	79.4	52	92	21.89	69
Honolulu Federal Building ⁴	12	71.9	78.4	57	88	23.96	65
Waikiki ⁵	10	71.9	80.6	51	93	28.90	
Manoa (HSPA)	500	69.4	75.2			158.41	
Kaneohe MCAS	10	72.9	79.1	58	90	43.88	
Kahuku	25	70.6	77.8	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	70.7	78.4	50	90	43.00	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	

¹Temperature data are for Mahukona.

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

³Temperature data refer to Puunene Airport.

⁴Temperature sensors are 87 feet above the ground.

⁵Located at Honolulu Zoo. Available only from 1965. The rainfall average shown is thought to be above the long-term average.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service Pacific Region, data supplied March 13, 1973.

Table 81.—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 82.—TEMPERATURE AND RAINFALL, FOR SPECIFIED LOCATIONS: 1960 TO 1974

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

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

Table 83.—TREES ALONG STREETS OR IN PARKS UNDER THE JURISDICTION OF THE CITY AND COUNTY OF HONOLULU: 1960 TO 1974

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

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 Recreation, Conservation and Beautification Division, records.

Table 84.—HAWAII AUDUBON SOCIETY BIRD COUNTS OF THE HONOLULU AREA: 1958 TO 1974

(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: annual average, 1970-74
1958	34	7,457	Endemic species:	
1959	34	4,076	Hawaiian Stilt	112
1960	34	4,656	Hawaiian Coot	69
1961	39	3,954	Amakihi	42
1962	39	2,969		
1963	35	7,963	Indigenous species:	
1964	34	10,139	Red-footed Booby	1,463
1965	46	11,820+	Great Frigatebird	614
1966	51	12,557		
1967	51	22,641	Introduced species:	
1968	49	11,024	Common Mynah	2,567
1969	53	13,236	Barred Dove	1,468
1970	51	10,454	House Sparrow	1,373
1971	50	13,218	Cattle Egret	759
1972	52	14,559		
1973	48	9,574	Migratory species:	
1974	44	10,263	Pacific Golden Plover	564

¹Endemic birds averaging more than 40 individuals, indigenous birds more than 200, introduced birds more than 600 and migratory species and stragglers more than 200. 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 1975.

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, such as farms, forests, parks, or military land, is given elsewhere.

Out of 4,050,176 acres on the six largest islands of the State, only 155,705 are in urban use. The largest uses are grazing (1,150,534 acres), forest reserve (1,190,954), and *pali* or other barren land (503,308). Approximately half of the 55,000 acres in Honolulu were unused open space when last surveyed in 1969; the second largest category at that time was residential use, with over 8,300 acres. For the State as a whole, the Land Use Commission has zoned 147,500 acres as "urban," 1,986,400 as "conservation," 1,968,700 as "agricultural," and 8,900 as "rural." Approximately 9 percent of the land in the State is owned by the Federal government, 38 percent by State government, 46 percent by major private owners (those with 1,000 or more acres), and less than 7 percent by small landowners.

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 State totals ranging from 355,800 acres to 396,500. Recent statistics on military land use are likewise confusing, going as high as 175,000 acres and as low as 56,000.

Reports of the Hawaii State Department of Land and Natural Resources, Department of Taxation, Department of Transportation, and Land Use Commission, the Land Study Bureau of the University of Hawaii, and the Congressional Committee on Government Operations 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: 1974*.

Table 85.—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
Forests	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	—	—	—	—
Unlevelled 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), feed 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 86.—LAND USE SUMMARY, FOR OAHU: 1969

Land use	Area (in acres)		
	Oahu	Honolulu	Rest of Oahu
Total area ¹	381,934.85	54,738.26	327,196.59
Residential ²	22,676.00	8,309.47	14,366.53
Industrial	6,304.94	2,622.62	3,682.32
Commercial	1,645.23	1,024.57	620.66
Hotel	97.87	90.73	7.14
Public buildings	5,226.08	2,372.90	2,853.18
Public open spaces	7,795.17	2,660.40	5,134.77
Highways and streets	8,495.00	3,718.00	4,777.00
Agriculture	88,739.90	1,004.95	87,734.95
Military	47,650.43	5,394.53	42,255.90
Unused open space ²	193,304.23	27,540.09	165,764.14

¹Differs somewhat from measurement by the Bureau of the Census (379,328 for Oahu, 53,504 for Honolulu, and 325,824 for the rest of Oahu).

²Not directly comparable to 1964 data in *State of Hawaii Data Book 1970*, table 39, p. 36; for 1969, large parcels containing both residential and vacant areas were divided and reported separately.

Source: Hawaii State Department of Transportation, Advance Transportation Planning Office, 1969 land use files.

Table 87.—LAND USE FOR THE NEIGHBOR ISLANDS: 1971-1972
(In acres)

Land use	All Neighbor Islands	Hawaii County (Dec. 1971)	Maui County (Spring 1972)			Kauai County (May 1972)	
			Maui and Kahoolawe	Lanai	Molokai	Kauai	Niihau
All uses ¹	3,653,759	2,501,132	490,234	89,071	168,256	357,978	47,088
Residential	40,814	14,326	17,292	256	2,963	5,968	9
Manufacturing	2,246	538	774	—	754	177	3
Mfg. services and warehousing ²	7,799	1,147	657	54	54	5,880	7
Commercial ³	784	387	233	13	38	113	—
Services ⁴	64,559	29,962	30,986	80	810	2,336	385
Social and cultural ⁵	2,711	935	1,302	15	93	361	5
Recreation ⁶	89,003	64,878	18,778	89	34	5,224	—
Agriculture	1,144,195	683,045	197,900	15,020	37,199	167,650	43,381
Transportation ⁷	14,570	12,332	776	165	24	1,273	—
Unused open spaces ⁸	2,287,079	1,693,582	221,534	73,380	126,289	168,996	3,298

¹Data differ somewhat from corresponding figures in other tables. Totals independently rounded.

²Includes 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 streets.

Source: Hawaii State Department of Planning and Economic Development, Hawaii Urban Planning Information Center, *Hawaii County Land Inventory Report: 1971 (1974)*, *Kauai County Land Inventory Report: 1972 (1974)*, and *Maui County Land Inventory Report: 1972 (1974)*.

**Table 88.—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 89.—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).

² Totals 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 90.—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 91.—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 92.—LAND OWNERSHIP OR TENURE, BY ISLAND: JUNE 30, 1968

Island	Ownership or tenure (in acres)				
	Total area	Federal government ¹	State government ²	Major private owners	Other owners ³
State total	4,128,263	355,769	1,584,715	1,917,560	270,219
Hawaii	2,584,320	241,858	1,106,126	1,052,583	183,753
Maui	466,439	26,478	204,895	221,223	13,843
Kahoolawe	28,800	28,800	—	—	—
Lanai	89,280	8	—	87,832	1,440
Molokai	167,104	78	53,019	110,444	3,563
Oahu	388,928	56,241	64,810	221,820	46,057
Kauai	354,112	2,306	153,305	176,953	21,548
Niihau	46,720	—	—	46,705	15
Other islands ⁴	2,560	—	2,560	—	—

¹Includes fee simple and ceded land.

²Includes State land managed by the County governments and various State agencies, and Hawaiian Homes Commission lands.

³Land owned by private landowners with less than 1,000 acres in fee simple and County land acquired by purchase or gift in the name of the Counties.

⁴Kaula, Lehua, and the Northwestern Hawaiian Islands.

Source: Hawaii State Department of Land and Natural Resources, *Report to the Governor, 1971-1972*, p. 50.

Table 93.—FEDERALLY OWNED PROPERTY IN HAWAII: 1960 TO 1972

Subject	June 30, 1960	June 30, 1970	June 30, 1972			
			All agencies	Defense ¹	Civil agencies ¹	
					National Park Service	Others
Number of installations	167	160	159	3	3	153
Land, total (acres)	234,074.1	396,900.7	396,493.8	174,945.7	218,318.0	3,230.1
Urban	23,530.2	57,202.3	10,511.0	(NA)	(NA)	(NA)
Rural	210,543.9	339,698.4	385,982.8	(NA)	(NA)	(NA)
Buildings:						
Number	11,506	11,479	11,305	10,661	171	473
Floor area (1,000 sq. ft.)	(NA)	(NA)	59,781	58,120	234	1,427
Cost, total (\$1,000)	877,162	1,115,240	1,178,743	1,118,546	8,690	51,507
Land	21,910	40,083	46,078	36,543	1,453	8,082
Buildings	407,478	545,140	584,752	562,419	1,457	20,876
Structures and facilities	447,774	530,017	547,913	519,584	5,780	22,549

NA Not available.

¹Corps of Engineers included with civil agencies.

Source: Committee on Governmental Operations, U.S. House of Representatives, *Federal Real and Personal Property Inventory Report* (biennial).

Table 94.—ESTIMATED PRESENT-DAY VALUE OF FEDERAL REAL PROPERTY DONATED OR ACQUIRED AT NO COST TO THE FEDERAL GOVERNMENT, FOR HAWAII: 1972

Agency	Number of installations	Acreage	Est. present-day land value (\$1,000)
Total	51	3,811	3,795
Defense	12		
Army	(NA)	41	614
Navy	(NA)	9	45
Air Force	(NA)	3,040	1,482
Corps of Engineers	(NA)	5	583
National Park Service	1	181	217
Coast Guard	38	595	854

Source follows next table.

Table 95.—REAL PROPERTY LEASED TO THE FEDERAL GOVERNMENT IN HAWAII: 1972

Subject	Amount
Number of leases	253
Land in acres, total	48,601.8
Urban	35.9
Rural	48,565.9
Number of locations	175
Floor area in square feet	521,196
Annual rental	\$2,571,257

Source of tables 94 and 95: Committee on Government Operations, U.S. House of Representatives, Ninety-third Congress, First Session, *Federal Real and Personal Property Inventory Report as of June 30, 1972* (GPO, August 1973).

Table 96.—ACREAGE, HOMES, AND WAITING LIST FOR LAND UNDER THE JURISDICTION OF THE DEPARTMENT OF HAWAIIAN HOME LANDS, BY ISLAND: 1973 AND 1974

Island	Acres ¹	Homes, June 30		Application waiting list, June 30	
		1973	1974 ²	1973	1974
State total	189,878	2,069	2,197	3,328	3,826
Hawaii	110,970	396	437	309	341
Maui	29,075	59	89	78	185
Molokai	26,794	298	295	172	201
Oahu	5,069	1,233	1,291	2,673	2,988
Kauai	17,967	83	85	87	111

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 1973 and 1974.

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 become a major Island activity in recent decades. The number of visitors staying overnight or longer in Hawaii has grown from 564,000 in 1964 to 2,786,000 in 1974. During the same time, visitor expenditures rose from \$205 million to \$1.1 billion. Average length of stay, excluding eastbound and layover visitors, was 10.7 days in 1974 and expenditure per visitor day averaged \$46.20. 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 250,000 annual visitors include fifteen National or State parks, the U.S.S. Arizona Memorial, Honolulu Zoo, Sea Life Park, Mormon Temple Grounds, Polynesian Cultural Center, and Waikiki Aquarium. Over 171,000 Hawaii residents traveled to the Mainland in 1972 and half of them were absent more than 14 days. Ten theatrical groups on Oahu reported over 1,020 performances of 79 productions, with a combined audience of 253,000 for the 1973-1974 season. During the same period, the Honolulu Symphony Orchestra gave 119 concerts, with a total attendance of 177,000. 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, County park and recreation departments, and other organizations. An extensive summary of these statistics, *Hawaii Tourism Data Book: 1969*, was published by the Department of Planning and Economic Development. National statistics are given in Section 7 of *Statistical Abstract of the United States: 1974*.

Table 97.—MODE OF TRAVEL AND VISITOR STATUS OF PASSENGERS ARRIVING IN HAWAII: 1958 TO 1974

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

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, 1952-1974, Revised Visitor Statistics, 1964-1970* (July 1971), as corrected, and records.

Table 98.—VISITOR ARRIVALS, AVERAGE VISITOR CENSUS, AND VISITOR EXPENDITURES: 1958 TO 1974

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	205
Adjusted:³						
1964	563,925	460,290	103,635	16,017	14,881	205
1965	686,928	567,218	119,710	17,318	16,006	225
1966	835,456	686,886	148,570	21,030	19,383	280
1967	1,124,818	893,103	231,715	27,690	24,958	380
1968	1,314,571	1,015,844	298,727	32,496	28,945	440
1969	1,527,012	1,181,029	345,983	37,438	33,328	525
1970	1,798,591	1,377,756	420,835	38,132	33,217	570
1971	1,818,944	1,430,325	388,619	40,829	36,444	645
1972	2,244,377	1,782,737	461,640	50,344	45,299	755
1973	2,630,952	2,067,861	563,091	59,425	53,254	890
1974	2,786,489	2,184,620	601,869	63,456	56,860	1,070

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 99.—RESIDENCE OF OVERNIGHT AND LONGER VISITORS TO HAWAII: 1960 TO 1974

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

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

²Includes Europe (40,000 in 1974), 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 100.—CHARACTERISTICS OF WESTBOUND VISITORS TO HAWAII: 1958 TO 1974

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

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, 1952-1974, Revised Visitor Statistics, 1964-1970* (July 1971), and records.

**Table 101.—FAMILY INCOME, TRIP CHARACTERISTICS, AND OPINIONS OF VISITORS TO HAWAII:
1971 TO 1974**

Subject	1971	1972	1973	1974
Number of respondents in sample	5,384	5,393	6,042	6,014
Family income before taxes (percent) ¹	100.0	100.0	100.0	100.0
Under \$5,000	3.6	2.6	2.5	1.7
\$5,000 to \$7,499	8.1	5.6	5.4	4.2
\$7,500 to \$9,999	13.7	8.1	8.5	6.9
\$10,000 to \$14,999	26.4	23.0	21.8	19.5
\$15,000 to \$24,999	29.4	33.9	33.3	35.0
\$25,000 and over	18.8	26.7	28.5	32.8
Median income (dollars)	14,700	18,100	18,600	20,100
Using travel agent (percent)	61.6	68.6	73.0	76.8
Use of prepaid package tour (percent)	100.0	100.0	100.0	100.0
Yes	19.7	37.4	43.0	40.1
Partly	21.4	16.4	17.8	22.0
No	58.9	46.2	39.2	37.9
Islands visited (percent):				
Oahu only	37.8	33.7	34.7	31.7
Hawaii	41.1	43.8	44.7	44.5
Maui	43.0	48.4	46.8	47.5
Kauai	41.5	43.9	42.9	41.6
Hawaii compared with other vacation areas				
visited (percent)	100.0	100.0	100.0	100.0
Far superior	39.2	36.6	38.6	38.3
Above average	50.4	51.8	50.4	50.9
Average	9.3	10.4	9.8	9.7
Below average	0.8	1.1	1.0	1.0
Quite inferior	0.2	0.1	0.2	0.1

¹Data for 1971 are revised.

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

Table 102.—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 103.—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	(NA)	(NA)	(NA)	(NA)	1,702,124
1976	(NA)	(NA)	(NA)	(NA)	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.

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

**Table 104.—PASSPORTS ISSUED AND RENEWED BY
THE HONOLULU PASSPORT AGENCY: 1960 TO 1974**

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

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

Table 105.—CHARACTERISTICS OF HAWAII RESIDENTS RETURNING FROM THE MAINLAND UNITED STATES: 1961 TO 1974

Subject	1960-1961	1967	1972	1974
Number returning	41,450	130,995	171,772	154,154
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	1.36
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, *1974 Annual Research Report* (1975), pp. 6 and 9.

Table 106.— 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 107.—ATTENDANCE AT MUSEUMS, STATE MONUMENTS, AND SIMILAR ATTRACTIONS: 1973-1974

Island and attraction	Year ended—	Attendance	Island and attraction	Year ended—	Attendance
OAHU			HAWAII		
Bernice P. Bishop Museum:			Hulihee Palace	Dec. 31, 1974	33,555
Exhibition halls	June 30, 1974	138,219	Kamuela Museum	Dec. 31, 1974	22,961
Planetarium	June 30, 1974	71,554	Lava Tree State Monument	June 30, 1974	42,000
Falls of Clyde Maritime Mus.	June 30, 1974	48,532	Lyman House Mem. Museum	Dec. 31, 1974	16,385
Heritage Theater	June 30, 1974	31,339			
Foster Botanical Gardens	Dec. 31, 1974	116,388			
Honolulu Academy of Arts	Dec. 31, 1974	135,872			
Honolulu Zoo	Dec. 31, 1974	1,089,657			
Iolani Palace State Monument ¹	June 30, 1974	193,000			
Mission Houses Museum	Dec. 31, 1974	23,583	MAUI		
Mormon Temple Grounds, Laie	Aug. 31, 1974	361,347	Baldwin Home Miss. Mus.	Dec. 31, 1974	29,724
Pacific Submarine Museum	Dec. 31, 1974	46,888	Hale Hoikeike ³	Dec. 31, 1974	—
Paradise Park	Dec. 31, 1970	247,389	Hale Kii-Pihana State Mon.	June 30, 1974	11,000
Polynesian Cultural Center	Dec. 31, 1974	700,000	Hale Pa'i Printing Museum	Dec. 31, 1974	1,721
Tropic Lightning Museum,					
Schofield ²	Dec. 31, 1974	12,500			
Queen Emma's Summer Palace	Dec. 31, 1974	6,831			
Royal Mausoleum State Mon.	June 30, 1974	29,000			
Sea Life Park	Dec. 31, 1974	530,000	KAUAI		
Ulu Mau Village	Dec. 31, 1974	35,000	Hanalei Museum	Dec. 31, 1971	7,000
U.S.S. Arizona Memorial	Dec. 31, 1974	1,049,454	Kokee Natural History Museum ...	Dec. 31, 1974	64,013
Waikiki Aquarium	Dec. 31, 1974	299,300	Kauai Museum	June 30, 1974	18,117
Wahiawa Botanic Park	Dec. 31, 1974	22,532	Waioli Mission	Dec. 31, 1974	1,526
Waimea Falls Park	Dec. 31, 1974	60,757			

¹Decline since preceding year largely attributable to closing for restoration of throne room.

²Estimates for earlier years now thought to have been too high.

³Closed for restoration.

Source: Hawaii State Department of Land and Natural Resources, *Report to the Governor, 1973-1974*, p. 88; information compiled from museums and other attractions by the Hawaii State Department of Planning and Economic Development.

Table 108.—PARKS: 1958 TO 1974

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	7,707

¹Authorized 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 Olaa Forest Tract (9,654 acres), included in earlier years.

²Years ended June 30.

³Except 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 109.—NATIONAL, STATE, AND COUNTY PARKS: 1973-1974

National park	Acreage (Dec. 31, 1974)		Total visits	
	Federal	Non-Federal	1973	1974
Hawaii Volcanoes National Park ¹	210,462	9,883	1,260,508	1,613,050
Haleakala National Park	21,330	5,954	373,361	441,251
City of Refuge National Historical Park	181	—	391,724	241,880
Puukohola Heiau National Historical Site ²	34	66	—	2,495

County	State parks				County parks: Dec. 31, 1974		
	Number of areas: June 30, 1974	Acreage: June 30, 1974		Visits, years ended June 30 (in thousands)		Number of areas	Acreage
		Total	Developed	1973	1974		
Total	53	16,629.4	533.9	13,271	12,907	535	7,707
Hawaii	14	2,028.2	219.8	2,353	2,985	117	1,646
Maui ³	11	420.8	47.0	1,803	1,937	66	621
Honolulu	17	6,277.3	104.7	3,833	3,241	297	4,905
Kauai	11	7,903.1	162.4	5,282	4,744	55	535

¹Acreage excludes 9,654 acres of Olaa Forest Tract, included in data for earlier years.

²Attendance data not available before July 15, 1974.

³County park data refer to December 31, 1973.

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

Table 110.—SELECTED RECREATIONAL ACTIVITIES: 1960 TO 1974

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	Attendance	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

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 111.—ATTENDANCE AT BASEBALL, BASKETBALL, AND FOOTBALL
HOME GAMES: 1961 TO 1974**

Season	Baseball: Hawaii Islanders ¹		Univ. of Hawaii basketball team ²		Univ. of Hawaii football team ³	
	Home games	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

¹The 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. 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 112.—OUTDOOR RECREATION FACILITIES AND RESOURCES, BY ISLAND: 1971-1974

Facility	Six islands	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
Golf courses: ¹							
9-hole	10	2	2	1	2	2	1
18-hole	26	7	4	—	—	13	2
27-hole	1	—	—	—	—	—	1
Tennis: ²							
Locations	65	14	8	1	3	30	9
Courts	191	28	28	2	6	90	37
Small-craft moorage: ³							
Catwalks and piers	1,037	17	44	23	2	908	43
Other facilities	780	221	110	—	29	377	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 July 1974. Excludes the 8 Air Force, Army and Navy courses, all on Oahu.

²As of July 1974. Includes all public courts, and private and hotel courts open to the public. Excludes 6 hotel locations (18 courts) open only to guests.

³Capacity as of December 1974.

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, 1974); Hawaii State Department of Transportation, Harbors Division, records; Hawaii State Department of Planning and Economic Development, *Hawaii Shoreline* (1965), p. 7; Surfing Education Association, *The 1971 Statewide Surfing Site Survey*, Vol. 1, p. 93.

Table 113.—PERFORMING ARTS: 1973-1974 SEASON

Theater group		No. of productions	No. of performances	Total attendance
Theater groups reporting		79	1,020	252,761
Brigham Young University-Hawaii Campus		5	25	9,400
Chaminade College of Honolulu		7	24	1,300
Commedia Repertory Company		10	208	7,037
Hawaii Loa College		2	6	550
Hawaii Performing Arts Company		14	366	72,868
Honolulu Community Theatre		6	65	22,531
Honolulu Theatre for Youth		6	166	96,630
U.S. Army Support Command, Hawaii, Recreation Services Theater Guild		8	38	7,780
University Theatre, University of Hawaii		17	90	30,665
Windward Theatre Guild		4	32	4,000
Music group	Ave. number of orchestra personnel	No. of performances ¹	Total attendance ¹	Operating expenses (dollars)
Honolulu Symphony Orchestra	80	119	177,000	1,439,486
Ensemble Players Guild .....	...	34	8,000	22,056
Honolulu Chamber Music Series .....	...	7	2,236	(NA)

NA Not available.

¹Excludes demonstration concerts by small symphony ensembles in schools.

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

Table 114.—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 115.—LICENSED DOGS, BY COUNTY: 1930 TO 1974

Year	State total ¹	City and County of Honolulu	County of Hawaii	County of Kauai ²	County of Maui
1930	2,108	825	918	...	365
1940	5,380	3,976	633	...	771
1950	39,033	27,557	8,215	...	3,261
1960	33,859	23,101	6,289	...	4,469
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

*Includes 6,025 on Maui, 374 on Molokai, and 160 on Lanai.

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 1974 reached \$1,629 million, more than triple the level reported ten years earlier. The 1974 total included \$957 million in U.S. taxes, \$651 million in State taxes, and \$21 million in County licenses and fees. Individual income taxes accounted for 83 percent of Federal collections and 23 percent of State collections in Hawaii in 1974. State revenue receipts totaled \$895 million, chiefly from the General Excise and Use Tax (\$245 million) and Federal grants-in-aid (\$225 million). The largest expenditure item in the State accounts for 1974 was education, with \$396 million (out of \$899 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 doubled between 1968 and 1974. Public bonded debt outstanding at the end of 1974 exceeded \$1.2 billion. Average government employment reported for 1974 was 78,900, about 45 percent over the 1964 average. The 1974 total included 31,000 Federal workers, 35,900 persons employed by the State, and 11,900 persons on County payrolls.

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: 1974*, Sections 8 and 9.

Table 116.—FEDERAL, STATE, AND COUNTY TAX COLLECTIONS: 1958 TO 1974

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	1,390	608,051	480,690	16,916
1972	1,162,700	1,425	632,583	512,047	18,070
1973	1,327,151	1,578	735,359	571,689	20,104
1974	1,628,961	1,923	956,636	650,855	21,470

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 106).

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

Table 117.—FEDERAL, STATE, AND COUNTY TAX COLLECTIONS, BY SOURCE: 1964 TO 1974
(Years ended June 30. In thousands of dollars.)

Source	1964	1969	1973	1974
Total, all levels	493,311	922,122	1,327,152	1,628,961
Federal collections	293,453	526,624	735,359	956,636
Indiv. income and employment	225,116	410,939	615,636	791,451
Corp. income and excess profits	52,416	81,138	86,199	134,620
Other sources	15,921	34,547	33,524	30,565
State collections	191,235	379,881	571,689	650,855
General excise and use	71,099	137,236	210,926	244,555
Fuel	16,058	23,917	29,787	29,649
Liquor	3,816	7,025	10,229	11,414
Public service companies	7,262	10,841	18,335	21,167
Corporate income	7,053	13,749	12,888	18,166
Indiv. income, net income	34,680	86,501	134,931	151,734
Real property	34,272	70,296	105,845	121,864
Unemployment compensation	9,374	13,325	24,008	25,168
Other sources	7,621	16,991	24,740	27,138
County collections	8,623	15,617	20,104	21,470
Motor vehicle weight	5,454	9,173	11,698	12,543
Other sources	3,169	6,444	8,406	8,927

Source: Tax Foundation of Hawaii, *Government in Hawaii, 1975*, pp. 18 and 34.

Table 118.—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 119.—STATE REVENUE RECEIPTS: 1973 AND 1974
(Years ended June 30. In thousands of dollars.)

Source of revenues	1973: all funds	1974		
		All funds	General fund	Special fund
Total	781,430	895,314	686,931	208,383
Tax revenues	455,734	518,928	474,074	44,854
General excise	210,912	244,599	244,599	—
Specific excises	65,148	70,646	51,014	19,632
Individual income	134,930	151,734	151,734	—
Corporate income	12,889	18,166	18,166	—
Unemployment compensation	23,938	25,069	—	25,069
Other taxes, licenses, permits	7,916	8,713	8,561	152
Fines, forfeits, and escheats	3,287	3,802	3,651	151
Federal grants-in-aid	200,660	224,789	164,163	60,626
Revenues from other agencies	732	3,854	3,167	687
Rents, royalties, land income	5,700	5,954	3,867	2,087
Sales of real property	1,202	2,267	—	2,267
Earnings: general departments	40,397	46,923	19,579	27,344
Earnings: public service enterp.	31,983	36,894	—	36,894
Repayment advances to other civil div.	7,749	11,348	—	11,348
Repayment debt costs: counties	2,124	2,214	2,214	—
Interest earned	13,945	23,334	13,395	9,939
Miscellaneous	17,918	15,006	2,821	12,186

Source: Tax Foundation of Hawaii, *Government in Hawaii, 1975*, p. 17.

Table 120.—STATE OPERATING EXPENDITURES, BY FUNCTION: 1964 TO 1974
(Years ended June 30. In thousands of dollars.)

Functions	1964	1969	1973	1974
Total	227,148	480,625	783,166	898,884
General government: Control	3,593	9,630	12,072	12,828
Staff	9,085	21,686	26,826	29,150
Public safety: Police and fire	67	86	365	219
Other protection	22,933	19,836	29,206	34,973
Highways	14,770	45,013	15,673	16,166
Natural resources	9,384	15,231	15,801	10,564
Health and sanitation	4,360	7,406	11,518	16,904
Hospitals and institutions	12,433	20,930	43,326	42,131
Public welfare	14,804	37,615	106,856	118,154
Education: Higher	26,887	72,842	109,146	115,539
Public schools	55,267	119,301	160,410	182,470
Libraries and other	1,948	3,796	7,338	8,367
Recreation	505	2,174	3,573	4,351
Utilities and other enterprises	9,379	21,542	35,590	39,240
Debt service	11,940	25,460	48,674	62,583
Retirement and pension	10,505	22,528	34,772	47,096
Employees' health and life insurance	1,905	4,579	6,362	8,131
Salary adjustments	262	—	—	—
Unemployment compensation	12,887	12,098	42,651	45,240
Grants-in-aid to counties	—	12,442	15,767	19,448
Urban redevelopment, housing	3,509	2,994	3,744	12,594
Miscellaneous	725	3,436	5,944	11,472
Cash capital improvements	—	—	47,551	61,265

Source: Tax Foundation of Hawaii, *Government in Hawaii, 1975*, p. 41.

**Table 121.—OPERATING REVENUES, BY SOURCE, AND OPERATING EXPENDITURES,
BY OBJECT, FOR COUNTIES: 1974**
(For year ended June 30. In thousands of dollars.)

Subject	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
OPERATING REVENUES				
Total	176,488	26,565	12,181	20,842
Real property taxes	96,625	13,276	4,118	7,842
Other taxes	20,131	2,342	1,367	1,923
Licenses, fees, and permits	6,067	691	212	595
Departmental earnings	8,527	1,598	1,049	1,895
State grants	9,892	5,091	3,199	3,981
Federal grants	28,657	3,442	1,136	1,675
Other sources	6,589	123	1,099	2,931
OPERATING EXPENDITURES				
Total	170,263	23,516	10,882	16,370
General government	16,840	2,903	1,949	2,204
Police and fire	38,564	6,387	2,930	4,247
Other protection	7,245	1,764	306	520
Highways	10,306	2,560	1,510	1,802
Health and sanitation	14,735	747	303	424
Recreation	11,874	2,103	778	1,145
Interest	8,206	1,222	(NA)	1,073
Bond redemption	12,416	1,268	919	646
Employee retirement	10,744	2,193	700	1,619
Urban redevelopment	9,995	—	—	—
Miscellaneous	8,511	794	1,293	1,474
Cash cap. improvement	20,825	1,576	195	1,215

NA Not available.

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

Table 122.—GENERAL EXCISE AND USE TAX BASE AND COLLECTIONS: 1964, 1973 AND 1974

Source of revenue	Tax base (\$1,000)			Tax collections (\$1,000)		
	1964	1973	1974	1964	1973	1974
Total	2,932,626	8,248,289	9,512,496	73,195	230,228	264,738
Retailing	998,510	2,560,799	2,959,201	34,760	102,422	118,341
Services	240,909	697,419	783,771	8,408	27,894	31,343
Contracting	302,913	904,629	1,027,195	10,594	36,185	41,090
Theater, amuse., etc.	25,095	60,079	66,557	876	2,402	2,662
Interest	25,651	52,734	75,456	896	2,109	3,014
Commissions	48,921	151,882	154,205	1,704	6,075	6,168
Hotel rentals	235,907	264,519	319,109	8,241	10,581	12,764
Other rentals		496,928	574,237		19,877	22,969
Consumption	33,214	—	—	1,162	—	—
Use (4%)	—	87,248	104,028	—	3,490	4,161
All others	31,004	86,949	101,250	1,064	3,478	4,040
Public utility airlines	1,411	—	—	49	—	—
Insurance solicitors	9,486	22,056	22,050	142	441	441
Sugar processing	148,103	213,095	415,257	1,135	1,065	2,076
Pineapple canning	109,808	123,597	103,686	836	618	518
Producing	56,392	95,912	99,165	276	480	496
Manufacturing	178,830	356,023	375,591	920	1,780	1,878
Blind vendors	283	1,681	2,289	1	8	11
Wholesaling	435,707	1,220,818	1,414,899	2,183	6,105	7,075
Services (intermediary)	17,265	35,097	41,523	88	175	208
Compensating	33,218	—	—	167	—	—
Use (½%)	—	816,823	873,027	—	4,084	4,365
Payment of est. tax	—	—	—	—	-4	133
Disaster refunds	—	—	—	-575	—	—
Penalties and interest	—	—	—	265	961	987

¹General excise, consumption, and compensating tax.

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

Table 123.—REAL PROPERTY TAX VALUATIONS: 1965 AND 1974
(In thousands of dollars)

Subject	Jan. 1, 1965: State total	July 1, 1974, by county				
		State total	Honolulu	Maui	Hawaii	Kauai
Number of parcels	208,339	302,987	149,521	28,474	111,463	13,529
Assessor's gross valuation	4,574,005	12,642,408	10,021,322	912,808	1,262,846	445,432
Land	2,752,196	6,677,996	5,113,155	504,638	786,048	274,155
Improvement	1,821,809	5,964,412	4,908,167	408,170	476,798	171,277
Exemptions	1,795,749	4,274,731	3,614,633	206,014	362,023	92,061
Federal	631,701	983,228	966,885	2,179	9,903	4,261
State	411,965	1,226,831	978,810	49,197	176,737	22,087
County	232,250	387,504	335,115	28,785	15,123	8,481
Hawaiian Homes Commission	4,909	14,340	4,889	2,666	6,074	711
Homes, fee	225,920	837,241	591,312	86,308	115,119	44,502
Homes, leasehold	48,843	274,001	267,594	1,777	3,717	913
Public utilities	56,214	87,646	73,847	5,631	6,911	1,257
All other ¹	183,947	463,940	396,181	29,471	28,439	9,849
Assessor's net taxable valuation	2,778,256	8,367,677	6,406,689	706,794	900,823	353,371
Net taxable valuation ²	2,749,162	8,316,444	6,372,731	693,942	900,304	349,467
Amounts to be raised	48,233	129,047	97,950	9,915	16,115	5,067

¹Religious, charitable, educational, hospital, etc.

²After allowance for appeals (1,612 in 1965 and 1,267 in 1974).

Source: Hawaii State Department of Taxation, annual releases and records.

**Table 124.—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 125.—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 126.—STATE INCOME TAX RETURNS ON INCOME RECEIVED DURING 1972,
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	321,669	3,071,919	1,977,779	126,422
Taxable returns	257,035	2,946,053	1,942,768	124,439
\$500, under \$1,000	5,801	5,203	619	14
\$1,000, under \$2,000	22,331	32,746	13,063	330
\$2,000, under \$3,000	16,434	40,922	22,131	723
\$3,000, under \$4,000	14,371	50,093	30,137	1,215
\$4,000, under \$5,000	14,152	63,652	39,833	1,822
\$5,000, under \$6,000	14,831	81,332	52,788	2,649
\$6,000, under \$8,000	26,023	181,959	112,727	5,868
\$8,000, under \$10,000	23,931	215,472	130,373	7,103
\$10,000, under \$15,000	51,383	636,434	403,446	23,325
\$15,000, under \$20,000	32,546	562,082	369,306	23,189
\$20,000, under \$25,000	17,334	384,540	264,699	18,011
\$25,000, under \$30,000	8,134	220,774	155,265	11,097
\$30,000, under \$50,000	7,394	269,094	195,426	15,179
\$50,000, under \$75,000	1,515	90,221	68,113	5,863
\$75,000, under \$100,000	440	37,596	29,110	2,655
\$100,000, under \$150,000	262	31,409	23,999	2,256
\$150,000 and over	153	42,523	31,732	3,138
Nontaxable returns	44,568	55,089	—	—
Loss	892	-6,636	—	—
Under \$500	18,559	4,511	—	—
\$500, under \$1,000	12,943	8,772	—	—
\$1,000, under \$2,000	5,268	7,702	—	—
\$2,000, under \$3,000	2,750	6,675	—	—
\$3,000, under \$4,000	1,525	5,345	—	—
\$4,000, under \$5,000	869	3,792	—	—
\$5,000 and over	1,762	18,292	—	—
Nonresident returns	20,066	70,777	35,010	1,983

¹The median adjusted gross income for taxable returns was \$9,218 (\$4,553 for single returns and \$14,358 for joint returns); for taxable and non-taxable returns combined, it was \$7,462 (\$3,284 for single returns and \$13,515 for joint returns).

²Totals and subtotals exclude losses.

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns 1972, Individuals* (February 1975), pp. 5 and 16.

**Table 127.—FEDERAL OUTLAYS IN HAWAII, BY AGENCY AND FUNCTION:
FISCAL 1974**

Agency and function	Outlay (\$1,000)
Total outlays	1,643,890
Agency:	
Dept. of Agriculture	33,784
Dept. of Commerce	5,863
Dept. of Defense	943,622
Dept. of Health, Education and Welfare	285,049
Dept. of Housing and Urban Development	6,110
Dept. of the Interior	7,865
Dept. of Justice	9,186
Dept. of Labor	22,534
Dept. of State	7,399
Dept. of Transportation	92,061
Treasury Dept.	61,877
Civil Service Commission	57,403
Environmental Protection Agency	16,351
Postal Service	28,073
Veterans Administration	48,251
Other agencies	18,464
Function:	
Dept. of Defense—military	943,622
Farm income stabilization	10,004
Pollution control and abatement	16,351
Air transportation	27,396
Water transportation	17,566
Ground transportation	47,087
Postal service	28,073
Elementary and secondary education	17,683
Development of health resources	13,054
Providing or financing medical services	44,270
Retirement and disability	202,002
Public assistance	74,284
Income security for veterans	19,733
Veterans education, training, and rehabilitation	23,204
Interest on the public debt	26,418
General revenue sharing	26,915
Other functions	106,228

Source: U.S. Office of Economic Opportunity, *Federal Outlays in Hawaii, Fiscal Year 1974*, FIXS-74-12.

Table 128.—FEDERAL AID: 1970 TO 1974
(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
TYPE OF AID: 1974	
Dept. of Agric.: Food stamp program	14,504
Dept. of Health, Educ., and Welfare:	
School assistance in federally affected areas	19,416
Public assistance: Maintenance	25,155
Medical	17,608
Dept. of Transp.: Highway trust fund	39,921
Dept. of Treasury: Revenue sharing	26,915
All other programs	101,789

Source: U.S. Department of the Treasury, *Federal Aid to States, Fiscal Year 1974*.

Table 129.—PUBLIC BONDED DEBT OF STATE AND COUNTY GOVERNMENTS: 1949 TO 1974
(As of December 31. In millions of dollars.)

Year	Total outstanding	Governmental unit and funds charged with debt service costs	Amount outstanding Dec. 31, 1974		
			Total	Issued by State	Issued by counties
1949	39.5	Total, State and counties	1,274.4	1,011.1	263.4
1950	63.9				
1951	69.2	State:			—
1952	84.0	General Fund	548.1	548.1	—
1953	96.8	Highway Fund	94.3	94.3	—
1954	102.2	Airport Fund	25.3	25.3	—
1955	106.7	Harbor Fund	14.5	14.5	—
1956	143.2	Dwell. Unit Revolv. Fund	50.0	50.0	—
1957	184.8	Airport revenues ¹	224.5	224.5	—
1958	214.4	Harbor revenues ¹	26.8	26.8	—
1959	273.8	All others	21.7	21.7	—
1960	285.6	City and County of Honolulu:			
1961	306.8	General Fund	121.1	3.9	117.2
1962	312.7	Highway Fund	21.8	—	21.8
1963	386.5	Water Fund	21.1	—	21.1
1964	423.6	Water revenues ¹	21.9	—	21.9
1965	454.1	Others	12.6	—	12.6
1966	412.3	County of Maui:			
1967	472.9	General Fund	19.8	0.2	19.6
1968	533.8	Others ²	3.4	—	3.4
1969	631.3	County of Hawaii:			
1970	742.0	General Fund	33.1	1.6	31.5
1971	925.5	Others ²	0.6	0.0	0.5
1972	1,080.4	County of Kauai:			
1973	1,219.4	General Fund	13.1	0.2	12.9
1974	1,274.4	Others	0.8	0.0	0.8

¹Revenue bonds.

²Includes revenue bonds.

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

Table 130.—FEDERAL, STATE, AND COUNTY EMPLOYMENT: ANNUAL AVERAGES, 1958 TO 1975

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	36,000
1973	78,030	31,640	3,290	6,050	11,250	11,050	35,250	11,140	51,000
1974	78,890	31,010	3,280	5,720	11,210	10,810	35,930	11,940	(NA)
1975 ²	82,800	30,400	(NA)	(NA)	(NA)	(NA)	40,200	12,200	(NA)

NA Not available.

¹Excludes Naval personnel aboard ships.

²April.

Source: Hawaii State Department of Labor and Industrial Relations, *Labor Force Estimates* (annual, 1958-1969), *State of Hawaii Labor Force Statistics* (annual, 1970-1973), and records; U.S. Department of Commerce, Bureau of Economic Analysis, unpublished data on armed forces ashore.

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 \$111.6 million in fiscal 1974, compared with \$46.6 million in 1970, \$9.3 million in 1960, \$8.1 million in 1950, and \$1.1 million in 1940. Per capita welfare costs, based on the estimated civilian population, rose from \$2.86 in 1940 to \$16.50 in 1960 and \$143 in 1974. About 59 percent of the 1974 total came from State funds and the remainder from the Federal government. The monthly average number of persons served by major welfare programs in 1974 was 63,807, or 7.6 percent of the population of the State at the beginning of the year. The average monthly payment per recipient for public assistance was \$238. Among workers receiving unemployment compensation in 1974, weekly benefits averaged \$71.86. More than 82,000 Hawaii residents were receiving Social Security benefits as of the end of 1973, and almost 52,000 were enrolled for Medicare. There were also 7,971 State and County government pensioners in 1974. The Aloha United Way spent \$5.2 million on Oahu during that year.

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 Employees' Retirement System, and the Aloha United Way. Section 10 of the *Statistical Abstract of the United States: 1974* presents comparable Mainland data.

Table 131.—SOCIAL WELFARE COSTS: 1958 TO 1974

Year ended June 30	Total costs		By source of funds		By expenditure category		
	Amount (\$1,000)	Per capita (dollars) ¹	Federal (\$1,000)	State (\$1,000)	Administration (\$1,000)	Medical payments ² (\$1,000)	Money payments (\$1,000)
1958	8,193	15.61	3,813	4,380	1,100	563	6,530
1959	8,578	15.59	3,992	4,586	1,143	581	6,854
1960	9,329	16.50	4,032	5,297	1,363	1,158	6,808
1961	9,489	16.29	4,090	5,398	1,339	1,277	6,873
1962	11,618	19.43	5,118	6,500	1,736	2,699	7,183
1963	12,697	21.00	5,897	6,800	1,667	3,100	7,931
1964	14,381	23.10	6,472	7,909	2,089	4,206	8,085
1965	14,673	23.41	6,404	8,269	2,146	4,356	8,171
1966	19,955	30.68	8,034	11,921	2,580	6,390	10,985
1967	23,704	36.44	10,869	12,835	2,642	7,396	13,666
1968	29,565	45.05	12,941	16,624	2,951	10,297	16,318
1969	35,706	52.71	15,167	20,539	3,272	12,948	19,486
1970	46,566	66.36	20,396	26,170	3,730	16,421	26,415
1971	67,645	93.79	27,769	39,876	5,483	23,926	38,236
1972	94,212	126.48	38,143	56,069	6,324	34,278	53,610
1973	107,237	140.33	43,107	64,130	6,757	35,542	64,938
1974	111,627	142.56	45,782	65,845	7,933	39,096	64,598

¹Based on civilian population at beginning of fiscal year; for example, per capita costs for fiscal 1960 are based on estimated civilian population as of July 1, 1959.

²Expenditures by the Department of Public Welfare or Department of Social Services and Housing. Beginning in 1944, the Department's program was limited to payment of hospital care, dental care and burial, and county departments were authorized to provide medical care. In 1952 responsibility for medical care was transferred to the Department of Health 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 Indigents was established under the Department of Social Services, and the Department of Health and County departments were no longer responsible.

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

Table 132.—PERSONS SERVED AND AVERAGE PAYMENTS, FOR PROGRAMS ADMINISTERED BY THE HAWAII STATE DEPARTMENT OF SOCIAL SERVICES AND HOUSING: 1958 TO 1974, 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

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 beginning January 1, 1974.

²Gross obligation basis.

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

Table 133.—PUBLIC ASSISTANCE PAYMENTS AND RECIPIENTS: 1973 AND 1974
(Years ended June 30)

Program	Total payments (\$1,000)		Recipient cases (monthly average)		Average monthly payment (dollars)	
	1973	1974	1973	1974	1973	1974
All programs	65,168	63,661	23,907	24,621	227	238
Old age assistance ¹	3,786	2,065	2,953	3,120	107	110
Aid to the blind ¹	139	74	86	88	135	139
Aid to disabled ¹	4,139	2,365	2,328	2,636	148	149
Aid to families with dependent children ²	42,536	44,920	12,334	13,126	281	285
Child welfare foster care	1,068	908	584	548	152	138
General assistance	13,500	11,564	5,622	5,103	200	189
Supplementary Security payments	—	1,765	—	—	—	—

¹Assisted through the Federal Social Security Administration, with State supplements beginning January 1, 1974. Data on cases and average payments based on first six months.

²Includes AFDC unemployed parent and AFDC foster care.

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

Table 134.—SOCIAL SECURITY RECIPIENTS AND BENEFITS: 1958 TO 1973

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

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 135.—MEDICARE ENROLLMENT AND REIMBURSEMENTS: 1966 TO 1973

Year	Hospital and/or medical insurance		Hospital insurance		Supplementary medical insurance	
	Number of persons enrolled, July 1	Amount reimbursed (dollars)	Number of persons enrolled, July 1	Amount reimbursed (dollars)	Number of persons enrolled, July 1	Amount reimbursed (dollars)
1966 ¹	37,443	....	37,307	....	35,888	....
1967 ²	39,170	11,528,000	39,051	8,738,000	37,068	2,790,000
1968	41,510	12,006,000	41,289	8,503,000	40,223	3,503,000
1969	43,350	13,638,000	43,020	9,865,000	42,062	3,773,000
1970	45,232	14,318,000	44,737	10,233,000	44,033	4,085,000
1971	47,563	15,194,000	46,939	10,521,000	46,224	4,673,000
1972	49,653	20,005,000	48,884	12,277,000	48,130	7,728,000
1973	51,837	23,884,000	50,940	15,455,000	50,322	8,429,000

¹Services benefits began July 1, 1966. Reimbursements during July-December 1966 included with reimbursements for 1967.

²Reimbursement data refer to 18-month period, July 1966–December 1967.

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

Table 136.—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	51	151.17	37,014	93	67.57	16.0	30.2
1974	(NA)	(NA)	13,900	(NA)	(NA)	45,208	98	71.86	16.2	35.3
1975	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	104	(NA)	(NA)	(NA)

NA Not available.

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

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

³Regular benefits only.

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

Table 137.—HAWAII STATE EMPLOYEES RETIREMENT SYSTEM: 1960 TO 1974

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

¹June 30 before 1963.

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

Source: Hawaii State Employees' Retirement System, *48th Annual Report, June 30, 1973* (Publication No. 45), p. 17, and records.

Table 138.—ALOHA UNITED WAY REVENUE AND EXPENDITURES, FOR OAHU: 1967 TO 1974

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

¹Before adjustment for uncollective 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, 1967-1974*.

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 58,600 officers and enlisted men (including 13,200 aboard ships homeported in Hawaii) and over 68,300 military dependents in the Islands as of July 1, 1974. 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 almost half of the current total. The importance of national defense in Hawaii can be further measured by total expenditures (\$898,000,000), civilian employment (more than 20,000), veterans in civil life (93,000), military personnel receiving retired or retainer pay (6,900 men, receiving \$42 million), federally-connected pupils in public schools (42,900), military housing (16,600 units), and land controlled by the armed forces (223,000 acres).

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 Tract Committee, and the Honolulu Redevelopment Agency. 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: 1974* presents data on national defense and veterans affairs for other States and the entire nation.

Table 139.—ARMED FORCES AND DEPENDENTS: 1958 TO 1974
(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

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 140.—MILITARY PERSONNEL, DEPENDENTS, AND FAMILIES: 1959 TO 1975
(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
ISLAND: 1974						
Oahu	126,047	58,180	45,020	13,160	67,867	28,909
French Frigate Shoals	26	26	26	—	—	—
Kure Atoll	29	29	29	—	—	—
Hawaii	375	165	149	16	210	76
Kauai	350	138	138	—	212	87
Maui	52	17	4	13	35	10
Molokai	3	3	3	—	—	—
SERVICE: 1974						
Air Force	22,934	7,947	7,947	—	14,987	7,706
Army	38,471	17,600	17,600	—	20,871	8,192
Coast Guard	2,933	1,289	806	483	1,644	564
Marine Corps	14,807	7,782	7,782	—	7,025	3,138
Navy	47,737	23,940	11,234	12,706	23,797	9,482

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 141.—DEFENSE EXPENDITURES: 1971 TO 1974
(In millions of dollars)

Service and expenditure category	1971	1972	1973	1974
Total expenditures	708.8	744.2	840.8	897.9
By service:				
Air Force	121.7	112.7	102.2	107.5
Army	221.8	236.8	309.8	353.8
Coast Guard	14.2	14.1	15.4	15.8
Navy and Marines	351.1	380.6	413.4	420.7
By expenditure category:				
Military payroll	291.3	309.0	335.5	381.3
Civilian payroll	244.8	250.8	257.5	271.0
Supplies, equipment & services	172.6	184.4	247.8	245.6

Source: Quarterly reports from each branch of the armed forces.

**Table 142.—MILITARY AND CIVIL FUNCTION PRIME
CONTRACT AWARDS: 1962 TO 1974**
(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

NA Not available.

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

Table 143.—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. gov't. 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 144.—MISCELLANEOUS STATISTICS ON THE ARMED FORCES: 1971 TO 1974

Subject	1971	1972	1973	1974
Hawaii residents on active duty, June 30	13,600	11,600	10,200	10,810
National Guard strength, June 30	4,510	4,803	4,822	4,859
Hawaii Air National Guard	1,569	1,574	1,539	1,493
Hawaii Army National Guard	2,941	3,229	3,283	3,366
Veterans in civil life, June 30 ¹	90,000	91,000	92,000	93,000
War veterans	(NA)	(NA)	79,000	80,000
Vietnam era	(NA)	(NA)	29,000	31,000
Korean conflict	(NA)	(NA)	21,000	20,000
World War II	(NA)	(NA)	33,000	32,000
World I	(NA)	(NA)	2,000	2,000
Service Feb. 1955—Aug. 1964 only	(NA)	(NA)	13,000	13,000
Military personnel receiving retired or retainer pay as of June 30, all services	3,819	5,891	6,403	6,895
Annual rate (\$1,000)	18,270	28,644	34,285	42,006
Civilian employment, annual average	21,520	21,190	20,590	20,200
Air Force	3,430	3,380	3,290	3,280
Army	6,020	5,990	6,050	5,720
Navy	12,070	11,820	11,250	11,210
Federally-connected pupils in public schools, Fall	51,143	47,928	45,144	42,933
Housing units operated by the armed forces, July 1	14,872	14,875	15,344	16,570
Owned by the armed forces	14,085	14,031	14,507	15,860
Leased from private owners	787	844	837	710

NA Not available.

¹Data for 1971 and 1972 are 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 Tract Committee, *The Geographic Distribution of Government Housing in Hawaii* (annual).

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, 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 stood at 293,000 in May 1970 and 338,000 five years later, an increase of 15 percent. The unemployment rate averaged 7.6 percent in 1974, with county levels ranging from 7.2 to 9.5 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 (70,000 in 1970, almost half of them in federal jobs), services (82,000), retail trade (50,000), and manufacturing (31,000). Wage and salary levels are high: the average annual earnings of private wage and salary workers under the Hawaii Employment Security Law reached \$7,857 in 1973 (twice the 1959 average), and in some categories exceeded \$12,000. Average weekly hours ranged from 29.0 (for hotels) to 41.3 (for communications and utilities). Labor union membership was estimated at 131,000 in 1973. Work stoppages in 1973 numbered 11, and involved 9,600 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: 1974*.

Table 145.—EMPLOYMENT STATUS: ANNUAL AVERAGES, 1958 TO 1975

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	359,100	331,930	(³)	27,160	7.6
1975, May	361,000	337,600	(³)	23,400	6.5

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 146.—EMPLOYMENT STATUS, BY COUNTY AND ISLAND: ANNUAL AVERAGES, 1970 TO 1974

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	359,100	290,000	31,890	14,260	22,950	20,050	2,900
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
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	27,160	20,880	2,940	1,170	2,170	1,670	500
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	9.2	8.2	9.5	9.3	17.4

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

Table 147.—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 148.—LABOR FORCE CHARACTERISTICS, BY COUNTY: 1970

Counties	Nonwork- er-worker ratio	Percent in labor force					Employed persons				Persons who worked in 1969— Percent worked 50 to 52 weeks
		Female, 16 years and over	Married women, husband present		Male		Civilian labor force— Percent unem- ployed	Percent in manu- fac- turing indus- tries	Percent in white- collar occupa- tions	Percent govern- ment 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
Maui	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 149.—EMPLOYMENT, BY CLASS OF WORKER AND INDUSTRY: ANNUAL AVERAGES, 1973 AND 1974(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 145 and 146.)

Industry and class of worker	State totals		Counties or islands: 1974			
	1973	1974	Oahu	Hawaii County	Kauai County	Maui County
Nonagricultural, wage or salary	327,990	333,010	283,090	22,720	10,300	16,900
Construction	26,750	28,030	24,040	1,670	680	1,650
Manufacturing	24,150	22,790	17,120	2,520	1,170	1,980
Durable goods	4,760	4,620	4,140	150	30	300
Food processing	11,360	10,190	5,850	1,830	1,000	1,500
Sugar	4,160	3,680	(D)	1,260	920	(D)
Pineapple	(D)	(D)	(D)			(D)
Other food proc.	(D)	(D)	(D)	570	70	(D)
Other nondurable goods	8,030	7,980	7,120	540	140	180
Transp., comm., utilities	25,190	25,390	21,450	1,560	1,140	1,250
Trades	80,940	82,730	70,690	5,850	2,290	3,900
Wholesale	16,470	16,370	14,330	1,330	210	500
Retail	64,470	66,360	56,360	4,520	2,080	3,400
Finance, insur., real estate	21,810	23,060	20,990	800	350	910
Services and miscell.	71,120	72,120	60,110	5,510	2,440	4,060
Hotels	18,960	19,190	12,670	3,190	1,170	2,160
Other services, misc.	52,160	52,930	47,440	2,320	1,270	1,900
Government	78,030	78,890	68,700	4,810	2,240	3,150
Federal	31,640	31,010	30,070	390	340	220
Air Force	3,290	3,280	3,200		90	
Army	6,050	5,720	5,660	40		20
Navy	11,250	11,210	11,160		50	
Other federal	11,050	10,810	10,060	350	200	200
State	32,250	35,930	29,500	3,070	1,260	2,100
Local	11,140	11,940	9,130	1,350	650	820
Agricultural, wage or salary	10,770	9,310	2,340	2,710	1,230	3,020
Sugar	5,560	4,440	(D)	1,480	1,120	(D)
Pineapple	(D)	(D)	(D)			(D)
Other agricultural	(D)	(D)	(D)	1,230	110	(D)
Self-employed and other ¹	26,110	26,150	18,010	4,560	1,260	2,320
Labor disputes	670	2,180	820	560	340	460

(D) Figure withheld to avoid disclosure.

¹Includes unpaid family workers and domestics.

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

**Table 150.—NON-GOVERNMENTAL EMPLOYMENT AND PAYROLLS COVERED BY
THE HAWAII EMPLOYMENT SECURITY LAW: 1958 TO 1973**
(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

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

Table 151.—EMPLOYMENT AND PAYROLLS COVERED BY HAWAII EMPLOYMENT SECURITY LAW AND UNEMPLOYMENT COMPENSATION FOR FEDERAL EMPLOYEES, BY INDUSTRY AND COUNTY: 1973

County and industry	Number of employers, December	Average employment	Total wages (dollars)	Average annual wage (dollars)
All counties (excluding government)	15,340	257,775	2,026,157,701	7,861
City and County of Honolulu	12,179	211,948	1,703,638,090	8,038
Hawaii County	1,499	20,109	147,841,355	7,352
Kauai County	606	9,692	65,137,631	6,721
Maui County	1,056	16,026	109,540,625	6,835
All industries (including government)	15,346	336,026	2,849,171,862	8,479
Agriculture, forestry, fisheries ¹	253	10,434	79,478,400	7,617
Sugar	19	5,534	45,548,005	8,232
Pineapple	5	2,620	17,724,767	6,765
Other	229	2,280	16,205,628	7,108
Mining and contract construction	1,508	26,827	339,458,956	12,654
Manufacturing	710	24,768	202,475,915	8,175
Pineapple canning	4	3,980	23,971,245	6,022
Sugar mill	21	4,105	38,507,266	9,381
Other food processing	170	3,779	28,887,232	7,644
Other manufacturing	515	12,904	111,110,172	8,611
Transportation	534	16,150	167,375,609	10,364
Communications	55	6,657	74,216,333	11,148
Utilities	25	2,643	34,328,872	12,984
Wholesale trade	1,352	16,640	158,882,854	9,548
Retail trade	3,686	64,343	336,327,096	5,227
Finance, insurance, real estate	1,977	20,722	182,238,282	8,794
Services	5,223	68,556	451,129,362	6,580
Nonclassifiable establishments	17	35	246,022	7,029
Government	6	78,251	823,014,161	10,517
Federal	1	31,648	380,279,863	12,016
State	1	35,462	329,569,385	9,292
County	4	11,141	113,164,913	10,156

¹Includes workers insured under the self-financed program.

Source: Hawaii State Department of Labor and Industrial Relations, *Employment and Payrolls in Hawaii, 1973* (October 1974).

**Table 152.—MEDIAN EARNINGS OF PERSONS IN THE EXPERIENCED CIVILIAN LABOR FORCE,
BY SELECTED OCCUPATION GROUPS AND SEX: 1960 AND 1970**

Sex and occupation	1960 ¹	1970 ²		
		State total	Oahu	Other islands
Male, with earnings ³	4,353	8,055	8,518	6,638
Professional, managerial, and kindred	6,691	11,624	11,866	10,145
Craftsmen, foremen, and kindred	5,060	8,996	9,370	7,542
Operatives, including transport	3,569	6,445	6,694	6,029
Laborers, except farm	3,074	5,122	5,332	4,627
Farmers and farm managers	3,192	6,838	8,269	5,865
Farm laborers and farm foremen	2,949	5,247	5,452	5,182
Female, with earnings ³	2,407	4,208	4,307	3,789
Clerical and kindred workers	3,164	4,776	4,799	4,641
Operatives, including transport	1,840	3,338	3,404	2,969

¹Earnings in 1959, in dollars, of persons 14 years old and over in 1960.

²Earnings in 1969, in dollars, of persons 16 years old and over in 1970.

³Includes persons in other occupation groups, not shown separately.

Source: *U.S. Census of Population: 1960*, Final Report PC(1)-13C, table 68; *U.S. Census of Population: 1970*, Final Report PC(1)-C13, tables 57 and 79.

Table 153.—HOURS AND EARNINGS IN SPECIFIED INDUSTRIES: ANNUAL AVERAGES, 1964 TO 1974

Industry	Ave. weekly earnings (dollars)			Average weekly hours			Ave. hourly earnings (dollars)		
	1964	1973	1974	1964	1973	1974	1964	1973	1974
Contract construction	137.25	257.04	274.78	37.5	37.8	37.9	3.66	6.80	7.25
Manufacturing	82.18	158.00	167.45	38.4	40.0	39.4	2.14	3.95	4.25
Food and kindred products	76.33	142.21	157.87	37.6	40.4	40.9	2.03	3.52	3.86
Communication and utilities	127.10	211.25	227.98	41.0	41.1	41.3	3.10	5.14	5.52
Trade ¹	72.42	113.91	118.90	35.5	33.7	33.4	2.04	3.38	3.56
Wholesale trade	93.22	152.80	161.24	39.5	38.2	38.3	2.36	4.00	4.21
Retail trade ¹	61.79	99.21	103.96	33.4	31.9	31.6	1.85	3.11	3.29
Finance	90.79	118.40	128.20	—	—	—	—	—	—
Hotels	64.13	88.13	95.99	33.4	28.8	29.0	1.92	3.06	3.31
Laundries	53.80	83.77	89.11	36.6	35.8	35.5	1.47	2.34	2.51

¹Excludes eating and drinking establishments.

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

Table 154.—AVERAGE PAY RATES FOR SELECTED JOB CLASSIFICATIONS IN PRIVATE INDUSTRY: 1958 TO 1974

Survey date	Monthly rates (dollars)				Hourly rates (dollars)		
	Junior typist	Clerk stenographer	Secretary	Civil engineer (entry level)	Carpenter	Electrician	Auto mechanic
1958	226	291	343	475	1.96	1.99	2.00
1959	232	301	355	556	2.03	2.10	2.11
1960	234	313	368	488	2.23	2.26	2.27
1961	244	318	373	481	2.32	2.41	2.37
1962	257	321	380	524	2.40	2.51	2.42
1963	255	335	391	560	2.43	2.54	2.49
1964	266	347	408	582	2.63	2.73	2.64
1965	319	358	429	592	2.76	2.90	2.77
1966	294	377	449	601	2.91	3.07	2.98
1967	304	386	470	708	3.10	3.27	3.18
1968	327	423	487	668	3.20	3.43	3.32
1969	357	450	522	768	3.44	3.67	3.53
1970	372	474	547	866	3.57	3.98	3.79
1971	396	500	578	881	3.92	4.17	4.18
1972	430	527	606	885	4.29	4.62	4.57
1973	453	548	639	878	4.51	4.86	4.78
1974	493	597	672	...	4.89	5.35	5.13

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

Table 155.—LABOR TURNOVER RATES FOR MANUFACTURING (EXCEPT PINEAPPLE CANNING): 1961 TO 1974

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

¹Number of additions per 100 employees.

²Number of terminations per 100 employees.

Source: Hawaii State Department of Labor and Industrial Relations, *Hawaii-Honolulu Area Manpower Review 1973-1974* (October 1973), p. 15, and records.

Table 156.—CHILD LABOR CERTIFICATES ISSUED: 1974

Age	Both sexes	Male	Female
18 years old and under	16,190	8,309	7,881
13 years old and under	1,034	158	876
14 and 15 years old	3,454	1,648	1,806
16 to 18 years old	11,702	6,503	5,199

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

Table 157.—INDUSTRIAL ACCIDENTS, DEATHS, AND INSURANCE PAYMENTS: 1958 TO 1974

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	69.12	40	5.2	12,528
1971	34,561	61.66	21	2.6	16,665
1972	34,901	60.60	45	5.5	18,773
1973	36,277	61.35	61	7.3	19,548
1974	37,646	(NA)	72	(NA)	18,341

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 158.—MEMBERSHIP IN LABOR UNIONS AND EMPLOYEE ASSOCIATIONS: 1964 TO 1972

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

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 159.—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	5,066	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 160.—WORK STOPPAGES: 1960 TO 1974

Year	Number of stoppages begun in year	Workers involved ¹	Man-days idle during year	Percent of estimated 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	(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, *Analysis of Work Stoppages, 1970* (Bulletin 1727, 1972), *Work Stoppages in... (Selected Final Tabulations)* (annual), 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 1972 exceeded \$4,700,000,000, or about twice the 1964 total. The major sources of income to Hawaii in 1974 were defense expenditures (\$898 million), pineapple production (\$124 million), sugar production (\$736 million), and visitor expenditures (\$1.1 billion). Personal income in 1974 was \$4.97 billion, compared with \$1.90 billion only ten years earlier, and per capita personal income was \$5,882, more than twice the 1964 level. The median annual income of families in 1969 ranged from \$9,643 in Maui County to \$12,035 on Oahu. Top wealthholders in Hawaii—those with gross assets of \$60,000 or more—numbered 11,323 in 1962 and 36,470 in 1969. Total assets of this group in the latter year amounted to \$6.3 billion, 38 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 1976.

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: 1974*, Section 13.

Table 161.—DIRECT INCOME FROM MAJOR EXPORT INDUSTRIES: 1958 TO 1974
(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	1,455	179.0	125.4	625.9	525
1970	1,516	187.8	138.6	639.4	550
1971	1,698	202.9	141.4	708.8	645
1972	1,829	184.7	145.4	744.2	755
1973	2,095	222.2	142.4	840.9	890
1974	2,769	676.6	124.3	897.9	1,070

¹Direct visitor expenditures in Hawaii, exclusive of transpacific transportation and expenditures of carriers and crews.
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, *1974 Annual Research Report*, p. 1.

Table 162.—GROSS STATE PRODUCT: 1958 TO 1972
(Estimates are provisional and subject to revision.)

Year	Millions of dollars
1958	1,403.2
1959	1,584.9
1960	1,814.4
1961	1,903.8
1962	1,990.1
1963	2,075.4
1964	2,274.0
1965	2,423.9
1966	2,691.9
1967	2,922.1
1968	3,269.6
1969	3,655.9
1970	4,093.5
1971	4,331.1
1972	4,731.8

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 163.—PERSONAL INCOME, TOTAL AND PER CAPITA: 1958 TO 1974

Year	Total personal income (millions of dollars)	Disposable personal income (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	4,592	3,792	5,539	4,574
1974	5,105	4,176	6,042	4,942

NA Not available.

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

Source: U.S. Department of Commerce, tables supplied Sept. 1975.

Table 164.—PERSONAL INCOME BY MAJOR SOURCES: 1971 TO 1973
(In millions of dollars)

Item	1971	1972	1973
INCOME BY PLACE OF WORK			
Total labor and proprietors income ¹	3,125	3,397	3,762
BY TYPE			
Wage and salary disbursements	2,778	3,025	3,344
Other labor income	118	135	148
Proprietors income	228	236	269
Farm	36	30	55
Nonfarm	192	206	215
BY INDUSTRY			
Farm	105	102	131
Nonfarm	3,020	3,295	3,631
Private	1,963	2,144	2,382
Manufacturing	215	224	223
Durables	46	50	56
Nondurables	169	174	167
Mining	(D)	(D)	(D)
Contract construction	303	328	387
Wholesale and retail trade	473	520	572
Finance, insurance, and real estate	178	195	218
Banking	37	39	44
Other finance, insurance, and real estate	142	156	174
Transportation, communications and public utilities ...	268	290	316
Highway freight and warehousing	27	29	32
Other transportation	125	139	161
Communication and public utilities	116	121	124
Services	514	574	649
Hotels and other lodging places	100	117	133
Personal services and private households	43	45	46
Business and repair services	83	91	101
Amusement and recreation	22	26	31
Professional, social and related services	266	295	338
Other industries	(D)	(D)	(D)
Government	1,058	1,151	1,250
Federal, civilian	353	364	380
Federal, military	329	389	450
State and local	376	398	420

(Continued on next page)

Table 164.—PERSONAL INCOME BY MAJOR SOURCES: 1971 TO 1973 (continued)
(In millions of dollars)

Item	1971	1972	1973
DERIVATION OF PERSONAL INCOME BY PLACE OF RESIDENCE			
Total labor and proprietors income by place of work	3,125	3,397	3,762
<i>Less:</i> Personal contributions for social insurance by place of work	150	159	190
Net labor and proprietors income by place of work	2,975	3,238	3,571
<i>Plus:</i> Residence adjustment	—	—	—
Net Labor and proprietors income by place of residence	2,975	3,238	3,571
<i>Plus:</i> Dividends, interest, and rent	495	529	587
<i>Plus:</i> Transfer payments	302	365	424
Personal income by place of residence	3,772	4,132	4,582

D Not shown to avoid disclosure of confidential information. Data are included in totals.

¹Consists of wage and salary disbursements, other labor income, and proprietors' income.

Source: U.S. Department of Commerce, Bureau of Economic Analysis. *Survey of Current Business*, August 1974, Part 1, pp. 42-43.

Table 165.—PERSONAL INCOME, TOTAL AND PER CAPITA, BY COUNTIES: 1950 TO 1973

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	1,677.0	1,389.1	138.0	61.4	88.5
1965	2,028.4	1,698.1	151.4	72.1	106.8
1966	2,224.7	1,861.9	166.7	79.4	116.7
1967	2,440.4	2,050.4	178.5	86.8	124.7
1968	2,729.3	2,310.6	189.9	92.8	136.0
1969	3,087.0	2,628.4	206.7	100.3	151.6
1970	3,522.5	3,002.4	236.4	110.4	173.3
1971	3,772.6	3,193.8	267.2	122.5	189.1
1972	4,132.5	3,512.8	284.7	129.9	205.1
1973	4,582.2	3,887.2	318.3	148.4	228.4
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	3,015	2,456	2,498	2,407
1966	3,192	3,302	2,749	2,793	2,646
1967	3,447	3,569	2,954	3,034	2,802
1968	3,796	3,955	3,107	3,183	3,060
1969	4,155	4,356	3,276	3,339	3,265
1970	4,624	4,833	3,682	3,690	3,730
1971	4,819	5,023	3,937	3,962	3,919
1972	5,136	5,371	4,149	4,138	4,057
1973	5,525	5,768	4,448	4,619	4,411

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 166.—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 167.—ANNUAL INCOME OF FAMILIES AND UNRELATED INDIVIDUALS: 1972
(Excludes persons in institutions or military barracks, or on Niihau. Based on a sample survey of 5,233 families and 1,278 unrelated individuals.)

Annual income before taxes	Families and unrelated indiv.	Families			Unrelated individuals
		Total	Military	Civilian	
All levels	233,880	187,737	28,381	159,356	46,143
Less than \$5,000	34,021	17,239	1,904	15,335	16,782
\$5,000 to \$9,999	66,443	53,224	15,606	37,618	13,219
\$10,000 to \$14,999	48,380	42,956	5,535	37,421	5,424
\$15,000 to \$24,999	44,563	42,205	3,540	38,665	2,358
\$25,000 or more	14,618	13,646	307	13,339	972
Income not reported	25,853	18,466	1,488	16,978	7,387
Median income (dollars)	10,367	11,650	8,698	12,437	5,982

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

**Table 168.—FAMILY INCOME POVERTY GUIDELINES:
APRIL 30, 1975**

(In dollars. These family income levels are poverty thresholds used by the Community Services Administration, effective April 30, 1975, to determine eligibility for Federal programs for the poor.)

Family size	Nonfarm family	Farm family
1	2,990	2,540
2	3,930	3,340
3	4,870	4,140
4 ¹	5,810	4,940
5	6,750	5,740
6 ²	7,690	6,540

¹Corresponding levels for four-person families were \$5,050 and \$4,300 on the Mainland and \$6,310 and \$5,360 in Alaska.

²For larger families, add \$940 for each additional member in a non-farm family and \$800 for each additional member in a farm family.

Source: Community Services Administration, "CSA Income Poverty Guidelines (Revised)," CSA Instruction 6004-1g, March 26, 1975, attachment A.

Table 169.—POVERTY STATUS IN 1969 OF FAMILIES AND PERSONS: 1970

(Based on Federal definitions of poverty. Excludes inmates of institutions, members of the Armed Forces living in barracks, college students in dormitories, and unrelated individuals under 14 years of age.)

Subject	Number	Subject	Number
ALL INCOME LEVELS		INCOME LESS THAN POVERTY LEVEL	
Families	170,729	Families	13,046
Percent receiving public assistance income	3.8	Percent of all families	7.6
Mean size of family	3.98	Mean family income	\$1,910
With related children under 18 years	113,860	Mean income deficit	\$1,692
Mean number of related children under 18 years	2.42	Percent receiving public assistance income	17.5
Families with female head	15,971	Mean size of family	3.96
With related children under 18 years	11,380	With related children under 18 years	9,697
With related children under 6 years	5,127	Mean number of related children under 18 years	2.91
Percent of heads in labor force	42.5	Families with female head	5,180
Family heads	170,729	With related children under 18 years	4,822
Percent 65 years and over	8.7	With related children under 6 years	2,927
Civilian male family heads under 65 years	120,327	Percent of heads in labor force	23.3
Percent in labor force	94.2	Family heads	13,046
Unrelated individuals	55,588	Percent 65 years and over	17.7
Percent receiving public assistance income	4.0	Civilian male heads under 65 years	4,790
Percent 65 years and over	16.4	Percent in labor force	65.5
Persons	734,874	Unrelated individuals	16,833
Percent receiving Social Security income	5.8	Percent of unrelated individuals	30.3
Percent 65 years and over	5.8	Mean income	\$774
Percent receiving Social Security income	73.2	Mean income deficit	\$1,086
Households	193,104	Percent receiving public assistance income	7.6
In owner occupied housing units	86,107	Percent 65 years and over	27.1
Mean value of unit	\$36,806	Persons	68,543
In renter occupied housing units	106,997	Percent of all persons	9.3
Mean gross rent	\$125	Percent receiving Social Security income	12.6
Percent lacking some or all plumbing facilities	5.0	Percent 65 years and over	12.3
		Percent receiving Social Security income	76.1
		Related children under 18 years	27,834
		Percent living with both parents	46.2
		Households	20,754
		Percent of all households	10.7
		In owner occupied housing units	4,970
		Mean value of unit	\$31,339
		In renter occupied housing unit	15,784
		Mean gross rent	\$106
		Percent lacking some or all plumbing facilities	14.0

Source: U.S. Census of Population: 1970, Final Report PC(1)-C13, table 58.

Table 170.—TOP WEALTHHOLDERS: 1962 AND 1969

(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
Number of top wealthholders	11,323	36,470
Total assets	1,908	6,327
Debts and mortgages ¹		
Number	9,909	29,301
Amount	231	1,090
Net worth	1,677	5,236
Real estate		
Number	10,104	30,133
Amount	802	2,440
Bonds		
Number	4,611	13,477
Amount	66	120
Corporate stock		
Number	9,164	25,452
Amount	697	1,204
Cash		
Number	10,994	31,062
Amount	137	695
Notes and mortgages		
Number	2,190	11,572
Amount	30	331
Life insurance equity		
Number	8,296	24,123
Amount	36	86
Noncorporate business assets		
Number .....	...	5,599
Amount .....	...	57
Other assets		
Amount	139	...

¹"Debts" in 1962.

Source: U.S. Internal Revenue Service, *Statistics of Income—1962, Personal Wealth* (1967), pp. 55-56, and *Statistics of Income—1969, Personal Wealth* (1973), pp. 57-58.

Table 171.—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.

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 March 1975, the Honolulu all-items consumer price index stood at 151.4, with the 1967 level equal to 100. The index had increased 9.9 percent in the preceding 12 months, 20.2 percent since March 1973, and 62.4 percent since March 1964. Prices have risen most rapidly since 1967 for food (up 73.6 percent) and least for public transportation (up 23.9 percent). A "moderate" or "intermediate" budget for a four-person family living on Oahu was estimated at \$17,019 as of the Autumn of 1974. This family budget was 19 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 food away from home.

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 *The Consumer Price Index*, 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 1974. These data were compiled and published by the U.S. Bureau of Labor Statistics. Similar comparisons go back to 1847, 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 Farmers: Family Living and Farm Production, 1970-71*, issued by the Hawaii State Department of Agriculture in January 1973.

Data on prices and living costs are summarized in *Statistical Abstract of the United States: 1974*, Section 14.

**Table 172.—CONSUMER PRICE INDEX (ALL ITEMS COMBINED), FOR HONOLULU:
 QUARTERLY, 1958 TO 1975
 (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	141.8	137.7	141.2	145.3	148.2
1975		151.4	153.6		

Source: Hawaii State Department of Labor and Industrial Relations, unpublished revised indexes for 1958-1963; U.S. Bureau of Labor Statistics, *The Consumer Price Index* (monthly) and records.

**Table 173.—CONSUMER PRICE INDEXES, BY COMMODITY GROUPS, FOR HONOLULU:
ANNUAL AVERAGES, 1964 TO 1974
(1967=100)**

Group	1964	1969	1971	1972	1973	1974
All items	92.9	108.5	118.9	122.8	128.3	141.8
Food	93.0	108.4	118.1	123.2	135.2	158.7
Food at home	93.2	107.3	115.0	120.5	133.8	159.2
Cereals and bakery products	92.3	102.1	104.9	106.1	117.9	175.5
Meats, poultry, and fish	90.3	107.5	116.4	124.7	146.5	159.0
Dairy products	92.4	106.5	114.1	118.3	127.8	150.6
Fruits and vegetables	96.3	113.3	125.3	130.6	134.7	153.4
Other foods at home	97.4	106.4	112.5	117.3	127.1	157.6
Food away from home	92.0	111.6	126.9	130.8	139.0	156.6
Housing	90.5	109.6	120.3	124.3	128.8	138.6
Shelter ¹	86.6	112.6	125.1	129.6	135.1	142.4
Rent	94.1	109.3	124.0	127.7	133.1	142.9
Homeownership ²	82.1	114.6	125.8	130.9	136.5	142.2
Fuel and utilities ³	99.7	100.2	107.2	110.1	112.2	127.7
Gas and electricity	100.6	100.2	104.2	104.9	106.9	135.9
Household furnishings and operation	97.4	105.2	111.9	114.5	117.3	132.1
Apparel and upkeep ⁴	95.6	109.4	117.6	120.5	124.1	133.3
Men's and boys'	99.0	110.3	111.5	113.9	116.7	127.5
Women's and girls'	92.4	108.3	121.5	124.3	126.2	130.7
Footwear	94.3	106.6	115.1	115.3	120.8	132.1
Transportation	97.5	107.2	120.6	123.0	123.9	135.1
Private	96.7	108.7	122.6	124.8	125.5	137.8
Public	101.5	99.3	109.4	112.9	114.9	120.3
Health and recreation	92.7	108.1	118.3	121.2	124.1	134.3
Medical care	88.9	113.2	124.7	127.5	133.3	147.0
Personal care	96.3	104.5	117.3	120.4	122.7	137.2
Reading and recreation	96.8	106.6	117.1	121.8	122.7	134.3
Other goods and services ⁵	89.8	106.3	113.2	113.9	116.5	118.5

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, *The Consumer Price Index* (monthly) and records.

Table 174.—AVERAGE RETAIL PRICES OF FOOD, FOR HONOLULU: 1970 TO 1975
(In cents)

Food and unit	1970, ave. ¹	1971, ave.	1972, ave.	1973, ave.	1974, ave.	1975, May
Cereals and bakery products:						
Flour, white, all purpose 5 lb.	74.9	75.5	78.5	90.4	126.8	130.9
Rice, short grain 10 lb.	144.7	142.4	146.9	176.8	351.0	342.9
Bread, white lb.	29.7	29.3	30.2	33.8	47.2	51.7
Meats, poultry and fish:						
Steak, round, U.S. Choice lb.	128.5	135.2	143.8	171.0	193.1	195.8
Rib roast, U.S. Choice lb.	143.6	151.5	164.7	171.7	196.8	193.8
Chuck roast, U.S. Choice lb.	79.8	80.5	90.2	110.4	120.5	117.0
Hamburger lb.	86.5	85.7	79.6	108.5	125.7	117.2
Beef liver lb.	86.9	89.5	91.3	101.2	116.1	114.9
Veal cutlets lb.	...	...	180.8	208.5	...	...
Pork chops lb.	152.9	147.0	147.7	173.7	184.4	195.7
Ham, whole, smoked lb.	85.4	77.1	79.2	105.8	124.4	132.4
Bacon lb.	108.9	93.8	100.6	135.9	148.2	177.6
Frying chicken, whole or cut-up lb.	68.4	70.0	72.1	90.4	91.2	93.6
Mahimahi, fresh or frozen lb.	89.4	115.6	158.1	138.8	127.9	197.8
Dairy products:						
Milk, fresh, vit. D, grocery ½ gal.	67.0	70.9	74.7	82.1	94.5	104.1
Milk, evaporated 14½-oz. can	21.9	22.6	23.3	25.4	32.0	34.4
Butter lb.	95.5	97.3	96.5	97.5	101.0	106.1
Fruits and vegetables:						
Apples, all purpose lb.	37.6	38.8	37.4	40.1	45.2	52.1
Bananas lb.	26.3	27.6	29.7	29.8	32.1	37.5
Papayas lb.	21.8	29.7	34.6	33.4	35.3	39.8
Potatoes 10 lb.	193.0	189.1	195.0	215.4	295.2	263.0
Onions, yellow lb.	19.4	20.4	22.3	26.8	26.6	35.4
Cabbage lb.	12.0	17.7	17.9	18.4	22.2	22.3
Tomatoes lb.	47.3	53.5	56.6	56.9	62.5	72.1
Peas, green #303 can	32.9	34.4	36.2	37.2	41.3	50.1
Tomatoes #2½ can	40.1	41.2	41.7	42.6	50.7	62.8
Dried beans lb.	26.4	30.4	35.9	42.4	97.8	63.1
Other foods at home:						
Eggs, grade A, large dozen	76.2	65.9	72.5	94.1	97.0	87.0
Margarine lb.	38.1	40.9	43.1	43.9	67.7	77.5
Sugar, white 5 lb.	68.3	72.2	76.1	82.0	184.7	201.1
Coffee 1-lb. can	103.7	111.1	112.5	121.1	144.6	156.4
Chicken soup 10½-oz. can	21.1	21.0	21.0	21.0	24.7	25.6

¹For earlier years, see *The State of Hawaii Data Book 1974*, p. 119.

Source: U.S. Bureau of Labor Statistics, *Estimated Retail Food Prices by City* (monthly and annual).

Table 175.—COMPARATIVE FAMILY BUDGETS FOR HONOLULU: 1966 TO 1974

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
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

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).

Table 176.—ANNUAL BUDGETS FOR THREE LEVELS OF LIVING FOR A FOUR-PERSON FAMILY ON OAHU: AUTUMN 1974

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	11,383	17,019	25,572	124	119	123
Total consumption	8,796	12,543	17,540	120	115	117
Food	3,328	4,150	5,285	120	117	119
At home	2,979	3,588	4,288	124	119	120
Away from home	349	562	997	97	104	114
Housing ²	2,517	4,070	6,319	143	126	129
Shelter ³	2,023	3,259	4,697	153	131	140
Renter costs ⁴	2,023	2,546	3,724	153	149	138
Homeowner costs ⁵ .....	...	3,496	4,869	...	127	141
Housefurnishings & operations	494	811	1,453	114	109	103
Transportation ⁶	695	1,307	1,739	108	112	114
Automobile owners	987	1,307	1,739	115	106	114
Clothing	767	1,062	1,502	101	98	95
Personal care	262	345	488	113	111	111
Medical care ⁷	778	782	815	105	105	105
Other family consumption ⁸	449	827	1,392	106	105	107
Other items ⁹	460	721	1,242	111	109	112
Social security & disability payments	667	772	772	121	99	98
Personal income taxes	1,460	2,983	6,018	160	148	154

¹Among the 40 metropolitan areas for which separate indexes were reported, Honolulu ranked second in total budget cost at all three levels, exceeded only by Anchorage.

²Housing includes shelter, house furnishings and household operations. The higher budget also includes an allowance for lodging away from Oahu.

³The average cost 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, *Autumn 1974 Urban Family Budgets and Comparative Indexes for Selected Urban Areas* (release, April 9, 1975).

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 includes 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 outnumbered males, persons of Japanese ancestry outnumbered Caucasians, and Democrats were more numerous than Republicans. The State Legislature, in contrast, was predominantly male, Japanese, and Democratic.

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.

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. National statistics appear in the *Statistical Abstract of the United States: 1974*, Section 15.

Table 177.—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 178.—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 179.—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 180.—POPULATION OF VOTING AGE AND PERCENT VOTING: NOVEMBER 1960 TO 1974
 (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, 1974:	
1962	390,000	...	49.9	18 to 24 years	125,000
1964	404,000	51.3	56.9	25 to 44 years	228,000
1966	417,000	...	49.9	45 to 64 years	164,000
1968	439,000	53.8	55.3	65 years and over	54,000
1970	473,000	...	44.0		
1972	536,000	50.4	51.3	Status, 1974:	
1974	571,000	...	45.4	Aliens	56,000
				Institutionalized ¹	1,000
				Citizens, noninstitutional	514,000
				Military and dependents ...	88,000
				Civilians ²	426,000

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 1974," *Current Population Reports*, Series P-25, No. 526, September 1974; U.S. Immigration and Naturalization Service, records; Hawaii State Department of Health, *Statistical Report, 1972*, p. 164; Hawaii State Hospital, records; Hawaii State Department of Social Services and Housing, Corrections Division, records; Hawaii State Department of Planning and Economic Development, *Statistical Report 104* (August 20, 1974), p. 3; Office of the Lieutenant Governor, *Result of Votes Cast, General Election, Tuesday, November 5, 1974, State of Hawaii*.

Table 181.—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	—
COUNTRIES:								
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 182.—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 183.—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 184.—LEGISLATIVE BILLS AND RESOLUTIONS, BY DISPOSITION: 1970 TO 1975

Action	1970	1971	1972	1973	1974	1975
House bills:						
Carried over ¹	1,105	—	1,543	—	1,915	—
Introduced	903	1,635	985	2,043	1,054	1,990
Passed	120	92	116	128	176	137
Vetoed	6	7	5	9	7	5
Became law	114	85	111	119	169	132
Senate bills:						
Carried over ¹	1,002	—	1,192	—	1,227	—
Introduced	873	1,315	791	1,319	840	1,733
Passed	94	123	103	92	80	70
Vetoed	1	2	7	3	6	2
Became law	93	121	96	89	74	68
House resolutions:						
Introduced	412	446	430	534	528	831
Approved	273	251	190	207	232	377
House concurrent resolutions:						
Introduced	126	106	58	123	77	149
Approved	38	25	15	17	16	35
Senate resolutions:						
Introduced	359	350	344	318	320	455
Approved	273	242	239	182	237	237
Senate concurrent resolutions:²						
Introduced	83	60	60	68	58	152
Approved	46	24	24	25	28	31

¹From the preceding year.

²At the special session of 1974, two Senate resolutions were adopted.

Source: Legislative Reference Bureau, records.

SECTION 15

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 164 branches, 11 savings and loan associations with 82 branches, three trust companies, and 229 industrial loan or small loan licensees in Hawaii as of June 30, 1974. Deposits in Island banks reached \$2.6 billion in 1974, compared with \$1.6 billion in 1970 and \$673 million in 1960. Assets of savings and loan associations stood at \$1.5 billion in 1974, double their 1970 level and seven 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 1974 amounted to \$1.2 million, the lowest total since 1903. The all-time high was \$25.4 million in 1961. Approximately 74,000 Hawaii residents held shares in U.S. public corporations or investment companies in 1970.

Life insurance in force in Hawaii at the end of 1973 amounted to \$9.4 billion, double the figure reported seven years earlier and four times the 1959 coverage. For all 517 insurance companies doing business in the Islands, Hawaii premiums amounted to \$317 million in 1973 and losses, claims, and benefits paid came to only \$132 million. Oahu fire losses amounted to \$6.4 million in fiscal 1974. Persons covered by prepaid health insurance plans as of January 1971 numbered 787,000—685,000 on a group basis and 102,000 on an individual basis—but these totals were not adjusted for duplication.

By mid-1974, almost 23,000 corporations and partnerships were registered to do business in Hawaii: 14,666 local (“domestic”) corporations, 2,604 out-of-State (“foreign”) corporations, and 5,679 partnerships. Business units with one or more employees as of the first quarter of 1972 numbered 13,640, including 349 with 100 or more employees. During fiscal 1974, 2,016 new local corporations were formed and 259 existing local corporations were dissolved or merged. Business receipts of corporations exceeded \$6.1 billion in 1972; business receipts of proprietorships in 1971 amounted to \$612 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: 1974*.

Table 185.—BANKS: 1958 TO 1974

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	20,219,856

NA Not available.

Source: Hawaii State Department of Regulatory Agencies, Bank Examination Division, semi-annual consolidated statements and records.

Table 186.—SAVINGS AND LOAN ASSOCIATIONS, TRUST COMPANIES, AND LOAN COMPANIES: 1958 TO 1974

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

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 187.—ASSETS AND LIABILITIES OF BANKS AND SAVINGS AND LOAN ASSOCIATIONS:
DECEMBER 31, 1960 TO 1974**
(In thousands of dollars)

Subject	1960	1965	1970	1973	1974
BANKS					
Total assets	813,618	1,155,117	1,917,915	2,743,189	2,918,309
Loans and discounts	400,109	667,133	1,163,467	1,724,736	1,848,039
U.S. govt. and other securities	248,905	282,558	449,642	599,849	642,007
Cash and due from banks	143,400	144,138	215,527	312,117	296,898
Fixed assets	12,105	27,476	43,846	48,664	50,557
Other assets	9,099	33,812	45,433	57,823	80,807
Total liabilities and capital	813,618	1,155,117	1,917,915	2,743,189	2,918,309
Demand deposits	275,452	373,402	608,810	865,425	870,450
Time and other deposits	467,844	632,113	1,088,352	1,584,471	1,682,393
Other liabilities	12,275	62,838	84,695	85,188	145,769
Capital	58,047	86,734	136,057	208,105	219,697
SAVINGS AND LOAN ASSOCIATIONS					
Total assets	210,993	482,067	778,909	1,404,652	1,523,316
Mortgage loans	185,034	423,603	678,688	1,231,323	1,344,025
Other loans	4,713	8,750	14,212	28,085	31,756
Investments	10,082	17,418	46,471	88,946	91,592
Fixed assets	2,693	8,361	16,282	21,639	29,732
Cash on hand and in banks	7,940	19,687	12,134	14,147	7,274
Other assets	531	4,248	11,122	20,513	18,937
Total liabilities	210,993	482,067	778,909	1,404,652	1,523,316
Withdrawal shares	175,040	364,036	576,044	1,040,026	1,131,276
Withdrawable deposits & invest. certificates	277	14,034	49,868	40,003	39,344
Reserves	15,728	27,898	37,346	43,089	47,218
Surplus and undivided profits	977	5,718	22,061	47,747	53,521
Other liabilities	18,971	70,381	93,590	233,787	251,957

Source: Hawaii State Department of Regulatory Agencies, Bank Examination Division, tabular releases.

Table 188.—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 189.—MARKET VALUE OF STOCKS AND BONDS TRADED ON THE HONOLULU STOCK EXCHANGE: 1958 TO 1974

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		
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 190.—HAWAII RESIDENTS HOLDING SHARES IN U.S. PUBLIC CORPORATIONS OR INVESTMENT COMPANIES: 1959 TO 1970

Year	Shareowners
1959	13,000
1962	18,000
1965	39,000
1970	74,000

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).

Table 191.—INSURANCE BUSINESS TRANACTED IN HAWAII: 1958 TO 1973

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	241	1,935,643	9,433,897	120,229	47,980

¹Transacting life insurance business during the year. Includes fraternal benefit societies.

Source: *Report of the Insurance Commissioner of Hawaii* (annual).

Table 192.—INSURANCE: 1973

Class of insurance	Premiums (\$1,000)	Losses, claims, and bene- fits paid (\$1,000)	Subject	Amount (\$1,000)
Total	316,897	132,102	Life insurance	
Life, excluding annuities	119,947	47,956	Written or transferred	1,935,643
Fraternal	281	24	In force, Dec. 31	9,433,897
Fire, marine, casualty & misc.	195,261	83,733	Premiums received	120,229
Accident and health	31,200	14,783	Claims and benefits paid	47,980
Fire	9,824	4,380		
Allied lines	4,874	443		
Homeowners multiple peril	12,005	3,789	Insurance other than	
Priv. pass. auto liability	43,014	17,839	life	
Comm. auto liability	12,218	5,671	Direct premiums written	196,668
Priv. pass. auto phys. damage	18,716	7,936	Direct premiums earned	189,965
Comm. auto phys. damage	3,061	1,451	Direct losses paid	84,122
Workmen's compensation	27,380	14,434	Direct losses incurred	101,607
Liability other than auto	15,546	4,591		
Glass	314	123		
Burglary and theft	1,066	201		
Boiler and machinery	361	167		
Fidelity and surety	5,867	5,533		
Ocean marine	2,586	818		
Inland marine	4,006	1,449		
All other	3,222	125		
Surplus lines	1,407	389		

Subject	Insurance companies authorized in Hawaii (\$1,000) ¹			
	All companies	Domestic	Foreign	Alien
Assets	275,448,936	164,136	271,108,373	4,176,426
Liabilities exc. capital and surplus	244,593,688	114,814	240,822,468	3,656,406
Policyholder's surplus inc. capital	30,855,248	49,323	30,285,905	520,020
Capital	1,968,090	11,869	1,935,972	20,250
Investments in Hawaii, total	1,354,145	55,517	1,262,278	36,350
Mortgage loans (principal indebtedness)	707,292	26,343	661,985	18,963
Collateral loans (amount loaned)	1,134	799	335	—
State and county bonds ²	153,990	4,204	149,240	547
Utilities, stocks and bonds ²	137,200	7,031	114,077	16,092
Industrials, etc., stocks and bonds ²	320,290	14,531	305,012	748
Real estate ³	34,238	2,609	31,629	—
Balances in Hawaii banks	15,869	11,934	3,935	—

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 1974* pp. 7, 8, 16, 20-37.

Table 193.—PERSONS COVERED BY PREPAID HEALTH PLANS: JANUARY 1971
(Not adjusted for duplication)

Plan	Group basis			Individual basis		
	Total	Subscribers	Dependents	Total	Subscribers	Dependents
Hawaii Medical Service						
Association ¹	353,007	128,776	224,231	28,236	20,218	8,018
Kaiser ¹	78,252	28,309	49,943	8,855	4,932	3,923
Commercial carriers:						
Hospital	90,006	35,585	54,421	34,704	19,836	14,868
Surgical	83,817	33,938	49,879	20,587	10,358	10,229
Medical	80,158	32,083	48,075	9,336	5,064	4,272

¹Provides hospital, surgical, and medical coverage.

Source: Stefan A. Riesenfeld, *Prepaid Health Care in Hawaii* (University of Hawaii, Legislative Reference Bureau, Report No. 2, 1971), table I(a).

Table 194.—FIRES, BY COUNTY: 1958 TO 1974

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

NA Not available.

¹For reporting counties.²Years ended June 30, 1968 and thereafter.

Source: Hawaii State Department of Regulatory Agencies, Fire Marshal Division, records.

Table 195.—FIRE LOSSES RECORDED BY THE HONOLULU FIRE DEPARTMENT: 1958 TO 1974

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

¹Calendar years 1958-1960; years ended June 30, 1962 forward.Source: Honolulu Fire Department, *Annual Report* for 1958-1974 and records.

Table 196.—REGISTERED CORPORATIONS AND PARTNERSHIPS: 1958 TO 1975
(Excludes eleemosynary corporations)

Year	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	Registered	Dissolved or cancelled	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	247	16,226	260	81	2,783	1,151	344	5,798

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 197.—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 198.—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 199.—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 200.—PROPRIETORSHIPS: 1961 TO 1971

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

Source: Hawaii State Department of Taxation, *Hawaii Income Patterns—Proprietorships* (biennial report).

Table 201.—TOTAL REVENUES AND OPERATING PROFITS OF MAJOR HAWAII CORPORATIONS: 1973 AND 1974

Corporation	Total revenues			Operating profits ¹		
	1974 (\$1,000)	1973 (\$1,000)	Percent change	1974 (\$1,000)	1973 (\$1,000)	Percent change
Amfac, Inc.	1,145,362	881,368	30.0	55,923	27,022	107.0
Dillingham Corp.	770,470	609,570	26.4	17,517	13,747	27.4
Castle & Cooke	753,131	694,949	8.4	42,661	26,876	58.7
Alexander & Baldwin	347,664	170,247	104.2	70,901	15,873	346.7
C. Brewer & Co.	321,777	191,458	68.1	35,210	7,874	347.2
Pacific Resources	228,600	74,863	205.4	1,300	2,410	-46.1
Hawaiian Telephone ²	144,545	136,245	6.1	18,204	15,669	16.2
Hawaiian Electric	142,217	119,757	18.8	16,934	14,965	13.2
Hawaii Corp. ³	139,315	129,800	7.3	-1,485	83	...
Amelco Corp. ⁴	130,548	124,309	5.0	-2,881	-4,367	...
Hawaiian Airlines ⁵	52,200	45,738	14.1	2,200	1,312	67.7
Maui Land & Pine	36,252	28,351	27.9	2,831	1,074	163.6
Crown Corp. ⁵	36,000	34,842	3.3	-400	-103	...
Aloha Airlines	34,873	30,602	14.0	1,051	1,817	-42.2

¹Minus sign (-) signifies net loss or decline.

²Wholly owned by General Telephone & Electronics.

³Calendar years; fiscal year ends March 31.

⁴Fiscal years ended September 30.

⁵Estimated.

Source: Kit Smith, "Amfac Still Isle's Biggest Firm," *Honolulu Advertiser*, March 12, 1975, p. F-7.

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, 545,000 telephones, 32 radio stations, 12 television stations, and seven daily newspapers.

Electricity sales exceeded 4.8 billion kilowatt-hours in 1973, or 7,500 per residential customer. Manufactured gas sales totaled 34.5 million therms.

The liquid fuel tax base for 1974 was approximately 825 million gallons, compared with 883 million in 1973 and 250 million in 1960. The 1974 total included 270 million gallons of gasoline, 464 million of aviation fuel, and 87 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. Forty-eight Hawaii residents were granted patents in 1973, 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 Commission, 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: 1974*, Section 18, 19, and 20.

Table 202.—POSTAL SERVICE: 1958 TO 1974

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

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 203.—TELEPHONE SERVICE: 1958 TO 1974

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

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 204.—TELEPHONE SERVICE, BY ISLAND: 1974

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu, except DATS ¹	DATS ¹	Kauai
Telephones in service ²	544,718	47,681	30,297	781	2,102	413,712	30,647	19,498
Residence main stations ²	239,923	21,297	14,121	557	1,320	193,596	...	9,032
Business main stations ²	64,408	5,192	3,553	103	290	37,096	15,861	2,313
Local calls:								
Originating ³	1,438,211,295	...	...	...	...	...	...	...
Completed ³	1,078,658,471	...	...	...	...	...	...	...
Interisland calls:								
Completed ⁴	4,564,049	1,054,319	821,752	...	...	2,239,536	...	448,442
Paid ³	4,494,314	...	...	...	...	...	...	...
Transpacific paid calls:								
Hawaii originating ⁴	4,775,288	261,557	283,269	...	...	4,112,160	...	118,302
Incoming and outgoing ³	8,619,719	...	...	...	...	...	...	...

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 205.—TELEGRAPH MESSAGES: 1970 TO 1974

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

Source: Federal Communications Commission, Common Carrier Bureau, records.

Table 206.—PAID CIRCULATION OF DAILY AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 1958 TO 1974

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

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 207.—COMMERCIAL AND EDUCATIONAL RADIO AND TELEVISION BROADCAST STATIONS ON THE AIR: 1958 TO 1975

Year (as of January 1)	Commercial			Educational	
	AM	FM	TV	FM	TV
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

Source: Federal Communications Commission, records; FCC data cited in *Statistical Abstract of the United States, 1959-1970*.

Table 208.—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 209.—CABLE TELEVISION SUBSCRIBERS: DECEMBER 31, 1970 TO 1974

Year (Dec. 31)	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1970 ¹	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

¹Earliest year available. The first CATV company in Hawaii began operation on Oahu in April 1961. State regulation of CATV was provided for by Act 112, S.L.H. 1970, effective June 19, 1970.

Source: Hawaii State Department of Regulatory Agencies, CATV Division, records.

Table 210.—POSTAGE, TELEPHONE, AND TELEGRAPH RATES, AND NEWSPAPER PRICES: 1955 TO 1975
(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

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 211.—ELECTRIC UTILITIES: 1959 TO 1974

Year	Customers, Dec. 31		1,000 KWH sold			Average annual use (KWH)		Average rate (\$/KWH)		Installed capacity (KW)
	Residential	Other	Total	Residential	Other	Residential	Other	Residential	Other	
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

Source: Hawaii State Public Utilities Division, *Historical Data, Gas and Electric Utilities, State of Hawaii, 1959 to 1968* (unpaged), and records.

Table 212.—ELECTRIC UTILITIES, BY ISLAND: 1973 AND 1974

Island	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	
State total, 1973	210,740	35,515	4,867,850	1,581,855	3,285,995	7,506	92,524	.03077	.02367	1,266,600
Oahu	162,180	25,141	4,189,397	1,305,505	2,883,892	8,050	114,709	.02812	.02094	1,068,400
Hawaii	21,660	4,887	302,472	122,930	179,542	5,675	36,739	.04290	.04003	96,429
Maui and Lanai	15,782	3,243	227,064	95,766	131,298	6,068	40,487	.04181	.04558	46,149
Kauai	9,720	1,817	131,566	48,272	83,294	4,966	45,841	.04805	.04449	47,900
Molokai	1,398	427	17,351	9,382	7,969	6,711	18,662	.04006	.06430	7,722
State total, 1974	219,633	36,268	5,113,906	1,635,978	3,477,928	7,449	95,895	0.03493	0.02704	1,419,892
Oahu	168,525	25,518	4,393,616	1,348,168	3,045,448	8,000	119,345	0.03063	0.02309	1,209,400
Hawaii	22,612	4,958	319,618	129,913	189,705	5,745	38,262	0.05424	0.05106	102,300
Kauai	10,275	1,949	135,590	49,686	85,904	4,836	44,076	0.06048	0.05780	39,900
Molokai	1,411	435	16,830	9,139	7,691	6,477	17,681	0.05866	0.08424	7,722
Maui	16,145	3,236	242,916	95,581	147,335	5,920	45,530	0.05315	0.05630	46,149
Lanai	665	172	5,336	3,491	1,845	5,249	10,727	0.05452	0.06942	—

Source: Hawaii State Department of Regulatory Agencies, Public Utilities Division, records.

Table 213.—GAS UTILITIES: 1959 TO 1974

(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
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

Source: Hawaii State Public Utilities Division, *Historical Data, Gas and Electric Utilities, State of Hawaii, 1959 to 1968* (unpaged), and records.**Table 214.—GAS UTILITIES, BY ISLAND: 1973 AND 1974**

(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, 1973	31,142	4,639	34,540	8,931	25,609	287	5,520	0.37518	0.23121
Oahu	28,813	4,329	32,610	8,041	24,569	279	5,675	0.36957	0.22818
Hawaii	1,889	272	1,646	787	859	417	3,157	0.42026	0.28056
Maui	342	38	263	82	181	239	4,773	0.45772	0.40777
Kauai	98	—	21	21	—	216	—	0.51149	—
State total, 1974	30,620	4,608	34,363	8,096	26,267	264	5,700	0.68361	0.52267
Oahu	28,206	4,249	32,166	7,522	24,644	267	5,800	0.69045	0.52766
Hawaii	1,896	315	1,857	458	1,399	242	4,442	0.60258	0.44249
Maui	353	44	302	78	224	222	5,087	0.53817	0.47526
Kauai	165	—	38	38	—	231	—	0.60748	—

Source: Hawaii State Department of Regulatory Agencies, Public Utilities Division, records.

Table 215.—TYPICAL RESIDENTIAL UTILITY MONTHLY RATES, BY ISLAND: JANUARY 1975

Utility and usage	Oahu	Hawaii ¹	Kauai	Maui	Molokai	Lanai
Water:						
¼ inch meter, 5,000 gal. . . .	4.25	3.75	5.50	4.05	4.05	3.55
¼ inch meter, 10,000 gal. . .	6.10	5.75	8.00	6.10	6.10	5.25
¼ inch meter, 20,000 gal. . .	9.80	9.75	13.00	10.20	10.20	8.65
1½ inch meter, 50,000 gal. . .	26.00	24.00	35.00	25.25	25.25	22.00
Electricity:						
100 kilowatt-hours	7.51	10.30	8.60	8.78	11.76	9.31
250 kilowatt-hours	14.09	18.26	17.15	16.90	20.64	17.57
500 kilowatt-hours	22.64	28.52	29.60	28.23	33.42	29.13
Gas:						
10 therms	9.62	6.46	6.35	5.44	...	...
25 therms	19.88	12.51	13.06	11.25	...	...
50 therms	36.92	21.86	23.99	20.68	...	...
100 therms	71.37	40.86	46.03	39.72	...	...
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.

²Plus 7 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 216.—LIQUID FUEL TAX BASE: 1958 TO 1974
(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	395,525	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

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" and "Comparison of Liquid Fuel Tax Collections & Distribution for Two Years" (annual reports).

Table 217.—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 218.—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 219.—PATENTS GRANTED TO HAWAII RESIDENTS: 1959 TO 1973

Year	Patents	Year	Patents	Year	Patents
1959	20	1965	13	1971	36
1960	13	1966	25	1972	25
1961	26	1967	19	1973	48
1962	28	1968	22		
1963	20	1969	40		
1964	20	1970	46		

Source: *Annual Report of the Commissioner of Patents* (annual).

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 231,000 in 1960 to 404,000 in 1970 and 484,000 in 1974. Vehicle miles rose during the same period from 2.0 billion to 3.9 billion. Hawaii residents purchased 41,900 new passenger cars in 1973 and scrapped or shipped out approximately 15,300. By the end of 1974, 509,000 licensed drivers had access to more than 3,600 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 50.5 million in 1974. Registered bicycles numbered 34,530 in 1970 and 107,826 in 1974.

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 1974, the two scheduled airlines and a number of air taxis reported 5.2 million interisland passengers, four times their 1964 total.

Similar growth is evident in transpacific travel. Although surface passenger arrivals dropped from 54,000 in 1959 to 6,000 in 1974, air passengers increased during the same 15-year span from 224,000 to 3.0 million. Between 1936 and 1975, sharp declines occurred in both scheduled flight time between California and Hawaii (from 20 to 5 hours) and minimum round-trip fare (from \$712 to \$239). Overseas cargo received in the State in 1973 amounted to 44,000 tons by air and 8.2 million tons by ship.

Undocumented State-registered vessels as of December 31, 1974, numbered 11,843, compared with 3,081 in 1960. Median length was 16 feet, and almost four-fifths were stored on land. There were also 707 documented vessels in the State in 1974, more than triple the 1960 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: 1974*, Sections 21 and 22.

Table 220.—SIGNALIZED INTERSECTIONS, PUBLIC OFF-STREET PARKING SPACES, AND PARKING METERS: DECEMBER 31, 1974

Island	Signalized intersections ¹			Public off-street parking spaces	Parking meters in use
	Total	Under State control	Under County control		
State total	453	140	313	3,247	6,271
Hawaii	19	1	18	234	792
Maui	11	11	—	245	—
Lanai	—	—	—	—	—
Molokai	—	—	—	—	—
Oahu	418	128	290	2,768	5,479
Kauai	5	—	5	—	—

¹For earlier years, see the 1974 *Data Book*, table 211, p. 208.

Source: City and County of Honolulu Department of Transportation Services; Departments of Public Works of the Counties of Hawaii, Kauai, and Maui.

Table 221.—MOTOR VEHICLE REGISTRATION, FUEL CONSUMPTION, AND VEHICLE MILES: 1958 TO 1974

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	484,448	420,443	64,005	279,996	578	3,919.9	8,092

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.

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

Table 222.—VEHICLE REGISTRATION AND USE, DRIVERS LICENSES IN FORCE, AND STREET AND HIGHWAY MILEAGE, BY COUNTIES: 1974

Subject	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Motor vehicles registered	484,448	372,241	50,626	22,560	39,021
Passenger cars	420,443	330,755	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 vehicles	66	59	—	7	—
Other vehicles registered:					
Trailers, semi-trailers	15,629	9,727	2,754	1,548	1,600
Motorcycles, motor scooters	9,940	7,962	784	365	829
Highway fuel consumption (1,000 gal.)	279,996	216,837	30,455	11,979	20,725
Per motor vehicle (gallons)	578	583	602	531	531
Vehicle miles (millions)	3,919.9	3,035.7	426.4	167.7	290.1
Per vehicle (miles)	8,092	8,155	8,422	7,433	7,436
Drivers licenses in force, Dec. 31	508,774	409,626	43,861	20,292	34,495
Mileage in public sts. and hwy., Dec. 31	3,659.44	1,229.72	1,370.77	319.73	739.22
Paved	3,269.83	1,193.46	1,161.17	296.62	618.58
Unpaved	389.61	36.26	209.60	23.11	120.64
De facto population per motor vehicle ¹	1.86	1.96	1.53	1.59	1.51
Motor vehicles per mile of street or hwy.	132.4	302.7	36.9	70.6	52.8

¹Based on provisional estimates in DPED Statistical Report 106 (Feb. 24, 1975), table 2.
Source: Hawaii State Department of Transportation, Highways Division, records.

Table 223.—TAXIS, BY COUNTY: 1960 TO 1974

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

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 224.—REGISTERED BICYCLES, BY COUNTIES: 1960 TO 1974

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

¹Excludes Kauai before 1971.

²Records before 1971 lost in fire.

³Includes Maui (5,461 in 1974), Molokai (416), and Lanai (293).

Source: Compiled by Hawaii State Department of Planning and Economic Development from County Finance Departments.

Table 225.—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 226.—COMPONENTS OF CHANGE IN PASSENGER MOTOR VEHICLE REGISTRATION:
1963 TO 1974**

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.....	3,780	30,932	27,152	(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 227.—NEW MOTOR VEHICLE REGISTRATIONS, BY COUNTY: 1974

Kind of motor vehicle	State total	City & Co. of Honolulu	Hawaii County	Kauai County	Maui County
Passenger cars	33,560	26,592	3,023	1,188	2,757
Domestic	18,337	13,731	2,048	678	1,880
Chevrolet	4,932	3,740	558	177	457
Dodge	2,559	1,643	498	114	304
Ford	3,686	2,369	550	231	536
Plymouth	2,077	1,798	120	42	117
Pontiac	1,173	1,083	33	23	34
Other makes	3,910	3,098	289	91	432
Foreign	15,223	12,861	975	510	877
Datsun	3,853	3,347	84	155	267
Toyota	5,211	4,232	658	170	151
Volkswagen	3,494	2,756	187	159	392
Other makes	2,665	2,526	46	26	67
Trucks	5,345	3,499	846	328	672
Domestic	3,893	2,492	653	227	521
Foreign	1,452	1,007	193	101	151

Source: Motor Vehicle Registrations—Hawaii, A Division of Cardinal Mailing Services, Ltd., monthly tabulations.

**Table 228.—MOTOR VEHICLE DEATHS AND TRAFFIC DEATHS, INJURIES, AND MAJOR ACCIDENTS:
1959 TO 1974**

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.....	123	129	10,022	14,855

¹Traffic and non-traffic deaths combined. Non-traffic motor vehicle deaths include those occurring on military bases or 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, Summary and Analysis*, (annual) and records; Hawaii State Department of Health, records.

Table 229.—BUS SERVICE, FOR OAHU: 1955 TO 1974

(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	Senior citizens	Free transfers	School subsidy	Chartered service ³
1970 ⁴	141	4,611,357	30,434,906	20,667,713	2,866,354	—	—	6,741,359	—	159,480
1971 ⁵	108	2,986,724	19,413,259	12,845,695	1,855,745	—	1,994,747	2,675,414	41,658	—
1972 ⁶	143	4,964,044	31,031,764	16,572,443	5,459,399	93,225	3,614,840	5,188,814	81,108	21,935
1973 ⁷	315	7,973,393	36,741,009	18,791,719	7,044,095	293,682	4,163,482	6,338,452	77,926	31,653
1974 ⁸	333	11,670,774	50,519,626	25,348,211	10,418,417	107,035	5,521,982	9,001,152	87,236	35,593

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 230.—INTERISLAND AND TRANSPACIFIC REVENUE PASSENGERS, BY MODE OF TRAVEL: 1958 TO 1974

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

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 231.—AIRPORTS, BY CONTROL, AND AIRCRAFT OPERATIONS AT SPECIFIED AIRPORTS: 1955 TO 1974

Year	Number of airports				Aircraft operations		
	Total	State	Military	Private	Hilo: Lyman Field	Honolulu Intern'l Airport	Kahului Airport
1955	(NA)	12	(NA)	(NA)	44,509	195,591	30,814
1960	39	13	6	20	34,548	253,742	47,503
1965	46	13	6	27	44,559	288,288	64,603
1970	50	14	6	30	52,183	300,629	77,451
1971	50	14	6	30	56,167	294,874	76,768
1972	50	14	6	30	50,333	297,861	75,467
1973	50	14	6	30	48,138	309,144	75,478
1974	50	14	6	30	47,715	305,724	75,186

NA Not available

Source: *FAA Statistical Handbook of Aviation* (annual); Hawaii State Department of Transportation, Airports Division, records.

Table 232.—AIR CARGO AND AIR MAIL: 1958 TO 1974
(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

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 233.—PASSENGERS, CARGO, AND MAIL, BY AIRPORT: 1974

Airport	Passengers ¹		Cargo (1,000 lb.)		Mail (1,000 lb.)	
	In	Out	In	Out	In	Out
OVERSEAS						
Total	3,009,769	2,964,992	96,393	79,054	21,528	16,185
Honolulu	2,878,244	2,816,136	90,295	56,031	21,528	15,932
Hilo (Lyman)	129,228	148,540	6,098	23,023	—	253
Kahului	2,297	316	—	—	—	—
Other airports	—	—	—	—	—	—
INTERISLAND						
Total	5,174,914	5,174,914	79,576	79,576	16,594	16,594
Honolulu	2,013,984	2,046,021	24,682	47,709	3,425	12,713
Hilo (Lyman)	556,608	543,302	12,097	19,126	4,158	1,102
Upolu	1,015	881	—	—	—	—
Waimea-Kohala	49,064	46,921	740	2,205	234	125
Ke-ahole	404,635	404,335	5,130	2,298	1,231	383
Kahului	1,048,124	1,031,449	20,575	5,481	4,212	1,430
Hana	7,615	8,117	2	—	—	—
Kaanapali	29,322	30,027	776	87	—	—
Molokai	69,453	68,514	1,417	624	332	69
Kalaupapa	3,835	3,835	288	36	28	10
Lanai	20,917	20,417	1,160	146	147	33
Lihue	968,894	969,964	12,709	1,842	2,827	729
Other airports	1,448	1,131	—	22	—	—

¹Revenue and non-revenue, including Military Airlift Command (MAC). Excludes overseas passengers in transit (885,122, all through Honolulu International Airport).

Source: Hawaii State Department of Transportation, Airports Division, *Air Traffic Monthly Summary*, and records.

Table 234.—AIR FARES AND FLIGHT TIMES FOR SPECIFIED INTERISLAND AND TRANS-PACIFIC FLIGHTS: 1930 TO 1975

Year (as of Jan. 1)	Honolulu-Hilo by Hawaiian Airlines				Honolulu-San Francisco by Pan American World Airways			
	Aircraft	1-way fare ¹	Round trip fare ¹	Time ²	Aircraft	1-way fare ¹	Round trip fare ¹	Time ²
1930	S-38	30.00	60.00	1:40	—	—	—	—
1935	S-38	30.00	45.00	1:40	—	—	—	—
1940	S-43	23.00	41.40	1:25	B-314	278.00	556.00	17:30
1945	DC-3	20.70	37.26	1:20	B-314	319.70	575.00	17:30
1950	DC-3	15.53	31.05	1:20	B-377	184.00	331.20	9:25
1955	CV-340	16.50	33.00	1:02	B-377	137.50	275.00	9:25
1960	CV-340	19.36	38.72	1:02	B-707	133.08	266.16	4:55
1965	Viscount ...	20.10	40.19	0:53	B-707	100.03	200.06	4:55
1970	DC-9	25.20	50.40	0:42	B-707	85.03	170.05	4:55
1971	DC-9	26.00	52.00	0:42	B-747	88.28	176.56	4:55
1972	DC-9	26.00	52.00	0:42	B-747	101.32	202.64	5:02
1973	DC-9	26.00	52.00	0:41	B-747	103.04	206.08	5:02
1974	DC-9	26.64	53.27	0:41	B-747	112.63	225.26	5:02
1975	DC-9	27.38	54.76	0:41	B-747	119.38	238.76	5:02

¹Least expensive regular fare, including tax and security charge, 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), as updated.

Table 235.—STATE COMMERCIAL HARBORS: 1975

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	174	230
Kawaihae	40	35	1,500	1,450	1,015	8	73
Maui:							
Kahului	35	35	2,400	2,050	2,300	148	184
Molokai:							
Kaunakakai	23	23	1,500	600	687	5	288
Oahu:							
Honolulu:							
Main	40	35	3,300	1,520	17,000	2,280	3,074
Kapalama			3,400	1,000			
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,140	49	104
Port Allen	35	35	1,500	1,200	1,200	24	41

Source: Hawaii State Department of Transportation, Harbors Division, *Hawaii State Commercial Harbors* (undated leaflet) and records.

Table 236.—DOCUMENTED AND NUMBERED REGISTERED VESSELS: 1960 TO 1974

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

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, and August 22, 1974.

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 237.—UNDOCUMENTED STATE-REGISTERED VESSELS: DECEMBER 31, 1974

Subject	Number	Subject	Number
Certificates outstanding	11,843	Type of vessel: ¹	
Length:		Cabin motorboat	1,126
Under 16 feet	5,835	Open motorboat	4,770
16 to less than 26 feet	4,960	Runabout	2,893
26 to less than 40 feet	844	Sail inboard	342
40 to 65 feet	150	Sail outboard	592
Over 65 feet	7	Sail only	1,663
Dealers or manufacturers	47	Motor vessel over 65 feet	7
Hull materials:		Other	403
Wood	3,442	Uses:	
Steel	28	Pleasure	10,753
Aluminum	348	Commercial fishing	582
Plastic	7,757	Charter fishing	9
Other	268	Commercial passenger	25
Propulsion:		Other commercial	32
Inboard	696	Livery	49
Outboard	7,411	Dealers or manufacturers	47
Inboard outboard	1,009	Youth group	38
Sail inboard	366	Government	233
Sail outboard	521	Other	65
Sail only	1,693	Island kept: ¹	
Other	147	Hawaii	1,161
Type of storage: ¹		Kauai	864
On water	2,392	Lanai	48
On land	9,404	Maui	579
		Molokai	196
		Oahu	8,948

¹Excludes dealers or manufacturers (47).

Source: Hawaii State Department of Transportation, Harbors Division, *Report of Undocumented Vessel Registration* (annual).

Table 238.—SHIP ARRIVALS AT THE PORT OF HONOLULU: 1958 TO 1974

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

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 239.—VESSELS ARRIVING AT SPECIFIED HARBORS: 1973
(Excludes domestic fishing craft)

Harbor	Total inbound vessels	By type of vessel					By draft	
		Self propelled vessels			Non-self propelled vessels		18 feet and less	19 feet and more
		Pass. and dry cargo	Tanker	Towboat or tugboat	Dry cargo	Tanker		
All spec. harbors	18,635	9,669	319	4,879	3,662	106	(NA)	(NA)
Hilo	706	109	26	276	276	19	574	132
Kawaihae	330	12	9	158	151	—	309	21
Hana	—	—	—	—	—	—	—	—
Kahului	1,016	250	26	368	355	17	944	72
Kaumalapau	602	—	—	303	299	—	602	—
Kaunakakai	1,278	—	—	757	521	—	1,273	5
Kalaupapa	4	—	—	3	1	—	4	—
Honolulu	7,473	3,688	131	2,073	1,549	32	6,549	924
Other Honolulu area	1,241	746	—	261	234	—	(NA)	(NA)
Pearl Harbor	4,250	4,048	21	158	23	—	(NA)	(NA)
Barbers Point	325	—	90	171	36	28	235	90
Kailua (Kona) ¹	735	735	—	—	—	—	(NA)	(NA)
Nawiliwili	474	72	13	221	158	10	426	48
Port Allen	201	9	3	130	59	—	(NA)	(NA)

NA Not available.

¹Incorrectly shown in the source as Kailua (Oahu).

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 1973*, Part 4 (1974), pp. 105-107.

Table 240.—FREIGHT AND PASSENGER TRAFFIC FOR SPECIFIED HARBORS: 1958 TO 1973

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

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 241.—PASSENGER ARRIVALS AND DEPARTURES FOR HONOLULU HARBOR: 1969 TO 1974

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

¹Mostly between Kewalo Basin and Pearl Harbor.

Source: Department of the Army, Lower Mississippi Valley Division, Corps of Engineers, Waterborne Commerce Statistics Center.

Table 242.—OVERSEAS AND INTERISLAND SHIPPING: 1960 TO 1973

(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

Source: Hawaii State Department of Transportation, records.

Table 243.—FREIGHT TRAFFIC FOR SPECIFIED HARBORS: 1973
(Short tons)

Harbor and commodity ¹	Total	Foreign		Domestic			
		Imports	Exports	Coastwise ²		Internal receipts	Local
				Receipts	Shipments		
Hilo	1,041,647	21,697	33,209	602,743	383,749	249	—
Sugar	271,944	—	—	1,193	270,751	—	—
Kawaihae	385,850	—	—	77,163	308,671	16	—
Kahului	1,042,818	14,631	18,413	506,572	503,152	50	—
Sugar	273,459	—	5	1,336	272,118	—	—
Kaumalapau	305,555	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Fresh fruits and tree nuts	257,720	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kaunakakai	475,246	—	—	78,198	397,041	7	—
Fresh fruits and tree nuts	382,978	—	—	454	382,524	—	—
Kalaupapa	410	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu	8,188,466	1,617,312	142,374	4,168,145	2,255,322	39	5,274
Fresh fruits and tree nuts	740,997	1,131	304	673,040	66,522	—	—
Prep. fruit and vegetable juice	691,555	1,438	22,271	69,113	598,733	—	—
Molasses	282,277	—	15,838	108,978	154,490	—	2,971
Gasoline	336,590	9,831	13,827	273,139	39,793	—	—
Kerosene	1,248,974	1,020,861	3,066	218,661	6,386	—	—
Residual fuel oil	605,984	57,567	30,798	428,455	88,720	—	444
Fabricated metal products	346,997	12,283	40	129,961	204,713	—	—
Other Honolulu area (net)	277,826	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Sand, gravel, crushed rock	276,850	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Pearl Harbor	320,963	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Barbers Point	3,944,857	2,571,919	89,263	523,415	760,260	—	—
Crude petroleum	2,345,514	2,281,617	—	63,897	—	—	—
Distillate fuel oil	340,312	63,056	56,444	295	220,517	—	—
Residual fuel oil	893,340	87,507	32,819	439,439	333,575	—	—
Kailua (Kona) ³	338	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nawiliwili	495,448	8,585	—	202,668	284,168	27	—
Port Allen	93,829	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

¹Commodities under 250,000 tons not shown separately.

²Includes both interisland and interstate traffic.

³Incorrectly shown in the source as Kailua (Oahu).

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 1973, Part 4* (1974), pp. 33-41, as corrected.

Table 244.—BOATING ACCIDENTS: 1970 TO 1974

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

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.

There were 4,300 farms in Hawaii as of 1974, with a total area of 2,300,000 acres. Both figures have declined appreciably during the past decade. The value of crop sales in 1974 was \$516 million, more than triple the total for 1964. Livestock sales amounted to \$58 million, or 63 percent more than the 1964 level. Combined crop and livestock sales ranged from \$101 million in Kauai County to \$199 million on the Big Island. Major crops in 1974 were sugar (\$442 million in sales, up 389 percent over the decade), pineapple (\$41 million, or 15 percent over the 1964 total), and vegetables and melons (\$10 million). Diversified agriculture, defined as all crops other than sugar and pineapple, rose from \$15 million in 1964 to \$32 million in 1974, or approximately 117 percent. More than 480 farms sold \$6.3 million of flowers and nursery products in 1973, chiefly anthuriums and orchids. Important products of livestock farms as of 1974 included cattle (\$19 million in sales), milk (\$19 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 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 *United States Census of Agriculture* for 1969 and earlier years, 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: 1974*.

Table 245.—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. I, Part 50.

Table 246.—NUMBER OF FARMS, FARM ACREAGE, AND VALUE OF CROP AND LIVESTOCK SALES: 1958 TO 1974

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	221,670	115,800	40,300	22,517	43,053
1972	4,300	2,300	232,329	117,300	43,900	24,887	46,242
1973	4,300	2,300	265,411	141,900	39,600	27,642	55,269
1974	4,300	2,300	573,780	442,300	41,100	32,401	57,979
COUNTIES: 1974							
Hawaii	2,450	1,340	198,875	165,400		15,872	17,603
Honolulu	900	152	126,050	69,800	14,700	9,385	32,165
Kauai	400	282	101,090	96,700		2,176	2,214
Maui	550	520	147,765	110,400	26,400	4,968	5,997

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 247.—ACREAGE IN CROP AND PASTURE, NUMBER OF CROP FARMS, VOLUME OF CROP MARKETINGS, AND VALUE OF CROP SALES, BY COUNTY: 1964 AND 1974

Subject	State total		Counties, 1974			
	1964	1974	Hawaii	Kauai	Maui	Honolulu
Acreeage (1,000 acres):						
Sugarcane	233.1	224.2	98.7	45.7	46.3	33.5
Pineapples	64.9	57.0	—	—	41.5	15.5
Vegetables and melons	3.3	3.7	1.2	0.3	0.8	1.4
Fruits (excluding pineapples)	3.2	4.5	3.3	0.2	0.4	0.6
Coffee	4.7	2.9	2.9	—	—	—
Macadamia nuts	4.5	9.9	9.8	0.1	—	—
Miscellaneous crops	1.2	3.5	0.8	1.0	0.8	0.9
Number of crop farms:						
Sugar	822	527	516	5	3	3
Pineapples	87	20	—	—	18	2
Vegetables and melons	744	436	148	40	72	176
Fruits (excluding pineapples)	624	559	330	52	39	138
Coffee	860	760	760	—	—	—
Macadamia nuts	250	350	346	2	1	—
Taro	162	127	38	51	36	2
Flower and nursery	570	530	250	20	60	200
Volume of crop marketings:						
Sugar (unprocessed cane; 1,000 tons)	10,495	9,081	3,627	1,992	2,069	1,393
Pineapples (fresh equivalent; 1,000 tons)	955	704	—	—	515	189
Vegetables and melons (1,000 lb.)	53,905	58,154	19,418	2,678	17,108	18,950
Fruits (excluding pineapples; 1,000 lb.)	36,497	54,222	39,811	3,133	3,575	7,703
Coffee (parchment; 1,000 lb.)	9,947	2,800	2,800	—	—	—
Macadamia nuts (in shell; 1,000 lb.)	7,655	13,750	13,720	10	20	—
Taro (1,000 lb.)	9,275	8,835	2,110	5,350	1,335	40
Value of crop sales (\$1,000):						
Sugar (unprocessed cane)	90,500	442,300	165,400	96,700	110,400	69,800
Pineapples (fresh equivalent)	35,600	41,100	—	—	26,400	14,700
Vegetables and melons	5,114	10,017	2,865	650	2,588	3,914
Fruits (excluding pineapples)	2,152	6,554	4,752	402	338	1,062
Coffee (parchment)	3,025	1,120	1,120	—	—	—
Macadamia nuts (in shell)	1,194	3,986	3,979	7	—	—
Taro	564	900	220	535	141	4
Horticultural specialties	2,700	7,000	2,740	80	630	3,550
Forest products	100	180	144	10	14	12
Field crops (not estimated separately)	99	2,644	52	492	1,257	843

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual).

Table 248.—VEGETABLES, MELONS, FRUITS, NUTS, AND TARO: 1974

Crop ¹	Acreage harvested	Yield per acre (1,000 lb.)	Production (1,000 lb.)	Farm price (cents per lb.)	Value of sales (\$1,000)
Vegetables and melons:					
Sheep beans	100	10.0	1,000	43.8	438
Head cabbage	400	27.5	11,000	11.0	1,212
Sweet corn	483	2.9	1,391	19.1	266
Cucumbers	190	19.5	3,700	18.0	665
Chinese cabbage	264	21.4	5,653	9.2	520
Daikon	221	13.1	2,890	9.7	280
Green onions	85	11.4	965	43.4	419
Lettuce (head, semi-head)	450	12.4	5,600	17.0	952
Dry onions	91	13.2	1,197	21.0	251
Eggplant	44	24.2	1,064	25.6	272
Potatoes	295	15.8	4,650	6.7	310
Tomatoes	200	24.5	4,900	27.1	1,328
Watermelons	220	7.4	1,625	18.5	301
Watercress	37	52.8	1,954	23.6	461
Fruits:					
Bananas	610	10.8	6,600	13.1	865
Papayas ²	1,690	22.0	37,224	(³)	4,788
Macadamia nuts	5,760	2.4	13,750	29.0	3,986
Taro	460	(NA)	8,835	10.2	900

NA Not available.

¹Data shown for crops with sales in excess of \$250,000.

²Fresh weight basis.

³Fresh market, 13.9; processed, 3.1.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture, 1974* (Hawaii State Department of Agriculture, 1975).

**Table 249.—NUMBER OF LIVESTOCK FARMS, VOLUME OF LIVESTOCK MARKETINGS,
AND VALUE OF LIVESTOCK SALES, BY COUNTY: 1964 AND 1974**

Subject	State total		Counties, 1974			
	1964	1974	Hawaii	Kauai	Maui	Honolulu
Number of livestock farms:						
Cattle (incl. beef and dairy)	1,580	960	400	160	260	140
Hogs	1,040	580	105	60	125	290
Milk	210	100	35	10	25	30
Eggs	660	80	35	10	10	25
Broilers	39	15	—	2	1	12
Honey	42	20	3	4	4	9
Volume of livestock:						
Beef (1,000 lb. dressed weight)	26,242	28,070	17,512	2,035	6,286	2,237
Pork (1,000 lb. dressed weight)	8,624	7,953	1,235	379	1,421	4,918
Milk (million lb.)	131.0	137.4	(D)	(D)	(D)	114.3
Eggs (million)	187	207	20.2	7.1	10.7	168.8
Broilers and chickens (1,000 lb. ¹)	5,255	5,853	97	208	40	5,508
Honey (1,000 lb.)	315	320	185	41	70	24
Value of livestock sales (\$1,000):						
Cattle ²	9,703	18,536	11,513	1,263	4,190	1,390
Hogs ²	3,485	5,822	843	310	1,121	3,548
Milk	11,599	19,387	(D)	(D)	(D)	15,611
Eggs	8,462	11,385	1,324	487	627	8,947
Broilers and chickens	2,221	2,807	28	127	16	2,636
Others	137	222	119	27	43	33

D Withheld to avoid disclosure of individual operations.

¹Ready-to-cook weight.

²Excluded interfarm sales.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual).

Table 250.—FLOWERS AND NURSERY PRODUCTS, BY ISLAND: 1972 TO 1974

Area and year	Number of farms	Area					Wholesale value (\$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:								
1972	446	757	172	6,665	123	477	5,244	3,074
1973	486	778	385	7,067	136	470	6,674	3,678
1974	465	876	577	8,074	131	547	8,211	4,359
Islands, 1974:								
Hawaii	222	476	361	5,978	111	220	3,036	(NA)
Kauai	19	16	2	55	2	13	122	(NA)
Mauui	54	69	49	93	2	64	981	(NA)
Oahu	170	315	165	1,948	16	250	4,072	(NA)

Footnotes and source follow table 251.

Table 251.—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 of tables 250 and 251: Hawaii Crop and Livestock Reporting Service, *Hawaii Flowers and Nursery Products* (August 12, 1975).

Table 252.—MARKET SUPPLY OF SPECIFIED FOODS: 1964 TO 1974
(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
1964, total	100,493	8,534	57,068	48,838	7,201	131,000	80,882	17,028	16,555
Inshipments	50,413	6,794	57,068	24,175	7,201	—	45,948	11,773	972
From Hawaii	50,080	1,740	—	24,663	—	131,000	34,934	5,255	15,583
Percent	49.8	20.4	0	50.5	0	100.0	43.2	30.9	94.1
1973, total	126,164	10,257	72,853	55,074	7,476	136,400	97,114	31,116	18,504
Inshipments	70,115	6,017	72,853	34,856	7,476	—	58,064	25,085	1,204
From Hawaii	56,049	4,240	—	20,218	—	136,400	39,050	6,031	17,300
Percent	44.4	41.3	0	36.7	0	100.0	40.2	19.4	93.5
1974, total	129,122	9,939	61,320	62,483	(NA)	137,400	102,453	31,740	18,933
Inshipments	74,396	8,314	61,320	41,071	(NA)	—	66,430	25,885	1,633
From Hawaii	54,726	1,625	—	21,412	(NA)	137,400	36,023	5,855	17,300
Percent	42.4	16.3	0	34.3	(NA)	100.0	35.2	18.4	91.4

NA Not available.

¹Chiefly rice (59,510 in 1974).

²Excludes pineapple, fruits not estimated separately, and papaya outshipments to Mainland.

³Amount sold; excludes milk consumed on farms.

⁴Dressed weight.

⁵Ready-to-cook.

Source: Hawaii Crop and Livestock Reporting Service, *Statistics of Hawaiian Agriculture* (Hawaii State Department of Agriculture, annual)

Table 253.—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 1.1 million acres of commercial forest in the State, most of it on the Big Island. Over 46,800 acres had been planted in eucalyptus and other species of trees by 1971. The volume of sawtimber reported in 1968 was 789 million board feet. Primary forest products harvested in 1969 had a value of \$331,000. Thirty-three forest and brushland fires burned 2,370 acres in 1974.

The commercial fish catch in fiscal 1974 was 14 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*.

The value of mineral production reached \$43 million in 1974, most of it in cement and stone. The previous all-time high was \$35 million, recorded in 1973.

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: 1974*, Sections 24, 25, and 26.

Table 254.—FOREST RESERVE, TREES PLANTED, AND FOREST FIRES: 1958 TO 1974

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	86	33	2,370

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 255.—AREA OF FOREST LAND, 1970, AND PLANTED FOREST, 1973, BY ISLAND
(In acres)

Island	Forest land, 1970		Area of planted forest, to 1973 ³
	Total ¹	Commercial ²	
State total	1,986,400	938,300	48,740
Niihau	31,100	—	—
Kauai	219,900	145,300	5,260
Oahu	205,300	124,400	7,179
Molokai	78,100	33,500	2,847
Lanai	43,900	4,500	512
Kahoolawe	15,800	—	—
Maui	239,800	63,400	10,644
Hawaii	1,152,500	567,200	22,298

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 256.—PRIMARY FOREST PRODUCTS HARVESTED: 1958 TO 1969

Subject	Total	Sawlogs	Craftwood	Veneer logs	Fuelwood	Posts	Treefern
Production¹:							
1958	—	405	510	—	1,300	65.0	100
1960	—	850	100	30	1,500	37.0	115
1963	—		913	—	847	22.0	118
1967 ²	—	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 257.—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'i-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 258.—COMMERCIAL FISHING: 1958 TO 1974

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

NA Not available.

Source: Hawaii State Department of Land and Natural Resources, *Report to the Governor, 1971-1972, pp. 43-44; Commercial Fish Landings for Fiscal Year—July, 1972 through June, 1973; Commercial Fish Landings for Fiscal Year—July, 1973 through June, 1974;* and records.

**Table 259.—COMMERCIAL FISH LANDINGS, BY SPECIES AND ISLAND:
YEAR ENDED JUNE 30, 1974**

Island and species	Pounds caught	Value (dollars)
Total landings	13,997,435	6,234,933
ISLAND		
Hawaii	1,551,815	891,671
Maui	981,043	247,549
Lanai	11,330	6,550
Molokai	21,202	13,398
Oahu	11,149,804	4,956,949
Kauai	282,241	118,816
SPECIES¹		
Sea catch, total ²	13,974,651	6,220,660
Aku (Skipjack)	10,261,257	3,168,291
Ahi (Yellowfin)	946,371	778,509
Akule	543,032	275,908
Ahi (Bigeye)	447,439	711,766
Opelu	190,144	138,836
Stripe Marlin	169,255	96,954
Opakapaka	136,482	121,576
Mahimahi	113,848	95,295
Hahalalu	94,737	53,014
Pacific Blue Marlin	89,009	18,413
Uku	77,170	56,601
Ono	71,228	29,819
Ulua	57,645	49,200
Ulaula Koa (Onaga)	46,564	79,314
Crab (Kona)	40,552	70,073
Pond catch, total	22,784	14,273

¹Shown separately for all species over 50,000 pounds or \$50,000.

²Includes species not shown separately.

Source: Hawaii State Department of Land and Natural Resources, Division of Fish and Game, *Commercial Fish Landings for Fiscal Year—July, 1973 through June, 1974* (September 1974).

Table 260.—COMMERCIAL LIMU HARVEST: 1963 TO 1974

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

Source: Hawaii State Department of Land and Natural Resources, Division of Fish and Game, records.

Table 261.—MINERAL OPERATIONS: 1909 TO 1967

Kind of operation and year	Establishments	Employees	Payroll (\$1,000)	Value added in mining (\$1,000)	Value of shipments and receipts (\$1,000)	Capital expenditures (\$1,000)
Mineral industries only:						
1958	20	421	1,724	4,550	5,847	704
1963	44	315	1,658	4,909	6,525	520
1967	12	200	1,600	5,000	5,500	1,800
Including operations in manufactures:						
1909	6	43	14	16	21	(NA)
1919	5	151	95	202	251	(NA)
1954	13	171	598	1,266	1,778	193
1958	24	445	1,820	4,887	6,207	704
1963	49	339	1,758	5,677	7,462	520
1967	18	(D)	(D)	(D)	(D)	(D)

D Withheld to avoid disclosing figures for individual companies.

NA Not available.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1963*, MIC63(2)-10, table 1, and *Census of Mineral Industries, 1967*, MIC67(2)-10, table 1.

Table 262.—MINERAL PRODUCTION: 1960 TO 1974
 (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 ²	490	8,095	42,714	16,600	23,336	2,778

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 26,027 building permits issued in 1974, with an estimated value of \$832 million. This total included \$498 million for new residential construction and \$192 million for hotels, commercial buildings, and industrial structures. The estimated value of construction put in place, as indicated by the contracting tax base, was \$905 million in 1973 and \$1,027 million in 1974. The value of land transfers reached an all-time peak of \$2,076 million, and mortgage loans outstanding amounted to \$2.8 billion. The April 1975 construction cost index for Honolulu was 170.5 for single-family residences and 173.0 for high-rise buildings, with the 1967 average equal to 100.

The number of housing units in the State increased from 91,000 in 1940 to 217,000 in 1970 and 263,000 in 1975. Owner occupied units numbered 56,000 in 1960 and 113,000 in 1974; the latter total included 82,500 on land owned in fee and 30,300 on leased land. Military and public housing accounted for 22,600 units as of 1974. Housing was in short supply throughout most of the past decade: on Oahu, the 1975 vacancy rate was only 2.3 percent, although 26 percent of all units turned over at least once during the year. The median selling price of new housing units completed on Oahu was \$41,500 in 1972 and \$46,500 in 1973. 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 Redevelopment Agency's *Redevelopment and Housing Research*, reports of county building departments, and the Bank of Hawaii's *Construction in Hawaii*. Mainland statistics appear in Section 27 of *Statistical Abstract of the United States: 1974*.

Table 263.—NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTY: 1958 TO 1974

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

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 264.—VALUE OF BUILDING PERMITS, BY COUNTY: 1965 TO 1974
(In thousands of dollars)

Category and year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
New residential buildings:					
1965	138,625	122,603	6,334	2,840	6,848
1966	154,298	138,183	6,915	2,981	6,219
1967	108,865	92,325	6,217	2,355	7,968
1968	193,430	164,941	11,683	5,077	11,729
1969	237,834	195,963	16,876	5,273	19,722
1970	217,532	170,983	21,139	8,007	17,403
1971	226,270	159,059	33,300	9,220	24,691
1972	296,689	207,513	38,178	19,061	31,937
1973	418,742	312,880	35,089	20,697	50,076
1974	498,146	342,142	46,658	18,965	90,381
Industrial and commercial buildings:¹					
1965	69,168	53,891	7,309	4,215	3,753
1966	89,740	75,181	6,501	1,377	6,681
1967	82,774	70,980	2,857	5,391	3,546
1968	146,048	124,771	8,638	6,615	6,024
1969	203,970	160,457	26,857	8,347	8,309
1970	175,351	133,056	23,626	1,672	16,997
1971	100,190	72,318	16,981	1,727	9,164
1972	80,172	53,705	11,670	2,362	12,435
1973	112,365	71,510	9,803	6,115	24,937
1974	191,767	143,588	20,403	9,819	17,955

¹Both new construction and additions, alterations, and repairs. Includes hotels.

Source: First Hawaiian Bank, *Economic Indicators Source Book* (August 1971), Series 43, 46, 47, 50, 51, 54, 55, and 58, and records.

**Table 265.—PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION AUTHORIZED BY PERMIT,
BY COUNTY: 1970 TO 1974**

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
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
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
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

¹Hawaii and Maui Counties estimated.

Source: Compiled from County building departments by Dept. of Planning and Economic Development.

Table 266.—NEW HOUSING COMPLETED, BY PRICE RANGE AND SALES STATUS, FOR OAHU: 1969 TO 1973

Price group and sales status	1969 ¹	1972 ²	1973				
			All types	New houses ¹	Townhouses		Multi-family condominium
					Planned unit	Condominium	
Units completed ..	2,927	4,880	6,682	1,515	514	2,333	2,320
Price group:							
Under \$20,000	12	—	—	—	—	—	—
\$20,000 to \$24,999	62	161	8	—	—	—	8
\$25,000 to \$29,999	380	953	549	—	—	449	100
\$30,000 to \$34,999	1,014	652	381	—	—	77	304
\$35,000 to \$39,999	} 1,459 }	482	1,607	—	—	640	967
\$40,000 to \$44,999		633	525	—	—	97	428
\$45,000 to \$49,999		610	898	207	39	483	169
\$50,000 and over		1,389	2,714	1,308	475	587	344
Median (dollars)	34,978	41,517	46,509	(³)	(³)	40,026	38,868
Sales status:							
Sold before const. starts ...	2,407	2,957	3,596	992	288	1,217	1,099
Speculative	520	1,923	3,086	523	226	1,116	1,221
Sold by end of year	454	1,645	2,479	352	184	831	1,112
Unsold	66	278	607	171	42	285	109
Percent unsold	12.7	14.5	19.7	32.7	18.6	25.5	8.9

¹Limited to single-family houses in subdivisions with five or more completions during the year.

²Single-family houses and units in multi-family structures.

³More than \$50,000.

Source: Department of Housing and Urban Development, Federal Housing Administration, news releases.

Table 267.—GENERAL EXCISE TAX BASE FOR CONTRACTING AND RENTALS: 1958 TO 1974
(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

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 268.—HONOLULU CONSTRUCTION COST INDEX: 1965 TO 1975

Year	Index (1967 = 100) ¹	
	Single-family residence	High-rise building
1965	90.4	90.8
1966	95.6	95.8
1967	100.0	100.0
1968	106.7	105.2
1969	115.2	110.8
1970	118.0	117.9
1971	125.7	125.1
1972	135.2	133.6
1973	154.7	144.9
1974	164.6	163.7
1975, Apr.	170.5	173.0

¹Annual averages unless otherwise specified. Both series revised December 1974.

Source: First Hawaiian Bank, "Honolulu Construction Cost Indexes—revised," *Economic Indicators*, Dec. 1974, insert, and records.

**Table 269.—NUMBER OF DEEDS FILED AND RECORDED
AND APPROXIMATE VALUE OF LAND CONVEYED: 1958 TO 1974**

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

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 270.—REAL ESTATE MORTGAGE LOANS OUTSTANDING: JANUARY 1, 1940 TO 1974

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		
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 271.—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 272.—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 273.—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 274.—TENURE AND CONTROL OF HOUSING: 1958 TO 1975

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	224,592	72,086	21,732	109,374	15,089	6,311
1972	232,008	75,939	24,565	110,349	14,959	6,196
1973	240,453	78,878	26,776	113,645	15,071	6,083
1974	250,910	82,494	30,333	115,450	16,373	6,260
1975	263,147	(NA)	(NA)	(NA)	16,386	8,339
COUNTIES:						
1975						
Honolulu	209,309	(NA)	(NA)	(NA)	16,280	6,619
Hawaii	23,688	(NA)	(NA)	(NA)	25	641
Kauai	10,514	(NA)	(NA)	(NA)	66	379
Maui	19,636	(NA)	(NA)	(NA)	15	700

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 1969-1975, 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. 11-14.

Table 275.—POSTAL VACANCY SURVEYS OF OAHU: 1955 TO 1975

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

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 276.—POSTAL VACANCY SURVEYS OF THE NEIGHBOR ISLANDS: 1967 TO 1975

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
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
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

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 277.—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 278.—HAWAII HOUSING AUTHORITY OPERATIONS: 1970 TO 1974

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	190,492	84.94

¹As of June 30.

²Year ended June 30.

Source: Hawaii Housing Authority, 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 1964 and 1974, the general excise and use tax base increased 180 percent for sugar processing, dropped 6 percent for pineapple canning, and rose 110 percent for all other manufacturing. 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 1974 amounted to 1.04 million short tons, the smallest total since 1960. Because of a tripling in the raw sugar price per pound, however, the value of production far exceeded the 1973 total.

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: 1974*.

Table 279.—MANUFACTURING: 1958 TO 1972

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 ¹ 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	25,000	191.7	17,700	33.1	113.8	410.3	548.5	956.1	47.2

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.

Table 280.—MANUFACTURING, BY GEOGRAPHIC AREA: 1967 AND 1972

Standard metropolitan statistical area, county, and city	1972						
	Establishments		All employees		Production workers		
	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
STANDARD METROPOLITAN STATISTICAL AREA							
Honolulu	612	193	19.6	148.9	13.9	25.4	85.9
COUNTIES							
Hawaii	85	24	2.5	20.4	1.7	3.4	12.8
Honolulu	612	193	19.6	148.9	13.9	25.4	85.9
Kauai	28	8	.8	5.8	.6	1.1	4.0
Maui	48	13	2.1	16.5	1.6	3.3	11.0
CITIES WITH 450 OR MORE EMPLOYEES							
Ewa Beach and Barbers Point	8	6	.5	5.4	.4	.7	3.8
Hilo	57	11	.9	6.9	.6	1.1	3.9
Honolulu	534	169	17.1	126.6	12.2	22.3	72.6
Kahului	5	3	(D)	(D)	(D)	(D)	(D)
Waipahu	11	4	(D)	(D)	(D)	(D)	(D)

(Continued on next page)

Table 280.—MANUFACTURING, BY GEOGRAPHIC AREA: 1967 AND 1972 (continued)

Standard metropolitan statistical area, county, and city	1972 . . . Con.				1967	
	Value added by manu- facture (million dollars)	Cost of materials (million dollars)	Value of ship- ments (million dollars)	Capital expen- ditures, new (million dollars)	All employees (1,000)	Value added by manu- facture (million dollars)
Hawaii, total	410.3	548.5	956.1	47.2	25.4	326.2
STANDARD METROPOLITAN STATISTICAL AREA						
Honolulu	321.2	412.4	731.8	33.1	19.5	252.2
COUNTIES						
Hawaii	49.8	51.9	101.4	10.7	1.9	34.4
Honolulu	321.2	412.4	731.8	33.1	19.5	252.2
Kauai	13.0	28.9	42.0	1.4	1.2	20.6
Maui	26.3	55.3	80.9	2.1	2.8	19.0
CITIES WITH 450 OR MORE EMPLOYEES						
Ewa Beach and Barbers Point	15.9	30.8	46.4	11.9	(NA)	(NA)
Hilo E1	14.1	9.1	23.0	.6	.9	14.5
Honolulu E1	261.1	282.5	542.5	16.8	17.7	196.6
Kahului	(D)	(D)	(D)	(D)	(NA)	(NA)
Waipahu	(D)	(D)	(D)	(D)	(NA)	(NA)

Footnotes and source follow table 281.

Table 281.—MANUFACTURING, BY INDUSTRY GROUP AND INDUSTRY: 1967 AND 1972

Ind. code	Industry	1972							
		Establishments		All employees		Production workers			
		Total (number)	With 20 employ-ees or more (number)	Number ¹ (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	
	All industries, total	773	238	25.0	191.7	17.7	33.1	113.8	
20	Food and kindred products	209	70	11.9	87.8	8.8	17.0	56.7	
201	Meat products	E3	18	8	.4	2.7	.3	.5	1.8
2011	Meatpacking plants	E3	9	4	AA	(D)	(D)	(D)	(D)
202	Dairy products	11	5	BB	(D)	(D)	(D)	(D)	
2026	Fluid milk	7	3	BB	(D)	(D)	(D)	(D)	
203	Preserved fruits and vegetables	38	5	4.9	28.2	4.4	8.0	22.0	
2033	Canned fruits and vegetables	15	5	4.8	27.4	4.3	7.8	21.5	
204	Grain mill products	E1	8	6	.2	1.7	.1	.2	.9
205	Bakery products	18	8	.7	6.3	.4	.8	3.0	
2051	Bread, cake, and related products	14	6	.6	5.7	.3	.7	2.8	
206	Sugar, confectionery products	37	24	3.8	32.8	2.6	5.4	21.4	
2061	Raw cane sugar	18	18	3.4	29.5	2.3	4.8	19.4	
2062	Cane sugar refining	2	2	AA	(D)	(D)	(D)	(D)	
2065	Confectionery products	E1	17	4	BB	(D)	(D)	(D)	
208	Beverages	21	8	CC	(D)	(D)	(D)	(D)	
2086	Bottled and canned soft drinks	12	5	BB	(D)	(D)	(D)	(D)	
209	Misc. foods, kindred products	E1	56	6	.7	4.5	.5	1.1	3.1
2091	Canned and cured seafoods	5	2	BB	(D)	(D)	(D)	(D)	
2099	Food preparations, nec	E2	35	3	.3	2.3	.2	.4	1.4
23	Apparel, other textile products	E2	120	55	3.3	15.4	2.9	5.2	11.7
232	Men's and boys' furnishings	E2	13	8	BB	(D)	(D)	(D)	(D)
2321	Men's, boys' shirts, nightwear	E3	10	7	BB	(D)	(D)	(D)	(D)
233	Women's and misses' outerwear	E2	76	39	EE	(D)	(D)	(D)	(D)
2335	Women's and misses' dresses	E2	50	25	1.7	7.9	1.5	2.5	5.8
2339	Women's, misses' outerwear, nec	E1	24	13	CC	(D)	(D)	(D)	(D)
239	Misc. fabricated textile products	E7	21	5	.3	1.1	.3	.5	.8
24	Lumber and wood products	E2	38	12	.9	7.4	.7	1.3	5.4
243	Millwork, plywood, struc. membs.	E4	15	6	BB	(D)	(D)	(D)	(D)
2434	Wood kitchen cabinets	6	3	AA	(D)	(D)	(D)	(D)	
245	Wood buildings and mobile homes	2	2	BB	(D)	(D)	(D)	(D)	
2452	Prefabricated wood buildings	2	2	BB	(D)	(D)	(D)	(D)	
249	Miscellaneous wood products	E4	18	4	BB	(D)	(D)	(D)	(D)
2499	Wood products, nec.	E7	14	2	AA	(D)	(D)	(D)	(D)
25	Furniture and fixtures	E1	26	11	.7	5.1	.4	.7	2.4
251	Household furniture	E1	16	9	.6	4.3	.3	.6	2.0
2512	Upholstered household furniture	2	1	BB	(D)	(D)	(D)	(D)	
2515	Mattresses and bedsprings	E1	6	4	AA	(D)	(D)	(D)	(D)

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Table 281.—MANUFACTURING, BY INDUSTRY GROUP AND INDUSTRY: 1967 AND 1972 (continued)

Ind. code	Industry	1972						
		Establishments		All employees		Production workers		
		Total (number)	With 20 employees or more (number)	Number ¹ (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)
26	Paper and allied products	11	4	AA	(D)	(D)	(D)	(D)
27	Printing and publishing	117	21	2.5	22.8	1.3	2.2	11.4
2711	Newspapers	19	9	EE	(D)	(D)	(D)	(D)
275	Commercial printing	E1 67	9	.7	6.9	.5	.9	4.4
2751	Commercial printing, letterpress	E4 39	1	AA	(D)	(D)	(D)	(D)
2752	Commercial printing, lithographic	26	8	.5	5.3	.3	.6	3.3
28	Chemicals and allied products	E1 21	5	BB	(D)	(D)	(D)	(D)
284	Soaps, cleaners, toilet goods	7	4	AA	(D)	(D)	(D)	(D)
29	Petroleum and coal products	5	4	BB	(D)	(D)	(D)	(D)
2911	Petroleum refining	2	2	AA	(D)	(D)	(D)	(D)
30	Rubber, misc. plastics products ...	E4 11	5	AA	(D)	(D)	(D)	(D)
32	Stone, clay, glass products	42	13	1.1	12.3	.8	1.6	7.9
3241	Cement, hydraulic	2	2	AA	(D)	(D)	(D)	(D)
327	Concrete, gypsum, plaster products	23	10	CC	(D)	(D)	(D)	(D)
3272	Concrete products, nec	11	4	.2	2.6	.2	.4	1.9
3273	Ready-mixed concrete	6	4	BB	(D)	(D)	(D)	(D)
33	Primary metal industries	3	1	AA	(D)	(D)	(D)	(D)
331	Blast furnace, basic steel products	2	1	AA	(D)	(D)	(D)	(D)
3312	Blast furnaces and steel mills	1	1	AA	(D)	(D)	(D)	(D)
34	Fabricated metal products	33	10	CC	(D)	(D)	(D)	(D)
341	Metal cans, shipping containers	3	3	BB	(D)	(D)	(D)	(D)
3411	Metal cans	3	3	BB	(D)	(D)	(D)	(D)
344	Fabricated struc. metal products	E2 16	5	AA	(D)	(D)	(D)	(D)
35	Machinery, except electrical	E1 28	3	.4	3.4	.3	.5	2.4
355	Special industry machinery	3	2	AA	(D)	(D)	(D)	(D)
3551	Food products machinery	2	2	AA	(D)	(D)	(D)	(D)
37	Transportation equipment	E1 6	2	.2	2.1	.2	.3	1.4
373	Ship, boat building, repairing	5	2	AA	(D)	(D)	(D)	(D)
39	Misc. manufacturing industries ...	E5 55	9	.8	4.0	.7	1.2	2.0
399	Miscellaneous manufactures	E6 29	5	.6	2.4	.5	.8	1.1
3999	Manufacturing industries, nec	E5 17	4	CC	(D)	(D)	(D)	(D)
—	Administrative and auxiliary	22	14	.9	11.9	—	—	—

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Table 281.—MANUFACTURING, BY INDUSTRY GROUP AND INDUSTRY: 1967 AND 1972 (continued)

Ind. code	Industry	1972 . . . Con.				1967	
		Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
	All industries, total	410.3	548.5	956.1	47.2	25.4	326.2
20	Food and kindred products	215.4	308.3	513.0	19.4	14.2	185.4
201	Meat products E3	5.9	24.0	30.0	.1	BB	(D)
2011	Meatpacking plants E3	(D)	(D)	(D)	(D)	AA	(D)
202	Dairy products	(D)	(D)	(D)	(D)	CC	(D)
2026	Fluid milk	(D)	(D)	(D)	(D)	CC	(D)
203	Preserved fruits and vegetables	70.5	71.3	141.8	2.3	(NA)	(NA)
2033	Canned fruits and vegetables	69.0	69.4	138.4	(D)	6.8	67.2
204	Grain mill products E1	5.6	20.9	26.5	.2	.2	3.7
205	Bakery products	11.4	7.6	19.3	.5	.7	8.7
2051	Bread, cake, and related products	10.5	6.4	16.9	.5	.6	7.9
206	Sugar, confectionery products	76.7	136.5	202.7	(D)	(NA)	(NA)
2061	Raw cane sugar	67.1	110.4	177.5	19.5	3.8	71.3
2062	Cane sugar refining	(D)	(D)	(D)	(D)	(NA)	(NA)
2065	Confectionery products E1	(D)	(D)	(D)	(D)	BB	(D)
208	Beverages	(D)	(D)	(D)	(D)	.6	8.6
2086	Bottled and canned soft drinks	(D)	(D)	(D)	(D)	.5	5.4
209	Misc. foods, kindred products E1	9.4	13.3	22.7	.7	(NA)	(NA)
2091	Canned and cured seafoods	(D)	(D)	(D)	(D)	AA	(D)
2099	Food preparations, nec E2	5.5	5.5	11.0	.6	.3	2.9
23	Apparel, other textile products E2	29.6	17.4	46.4	.5	2.5	16.3
232	Men's and boys' furnishings E2	(D)	(D)	(D)	(D)	CC	(D)
2321	Men's, boys' shirts, nightwear E3	(D)	(D)	(D)	(D)	BB	(D)
233	Women's and misses' outerwear E2	(D)	(D)	(D)	(D)	EE	(D)
2335	Women's and misses' dresses E2	15.8	7.9	23.4	(D)	1.0	6.7
2339	Women's, misses' outerwear, nec E1	(D)	(D)	(D)	(D)	CC	(D)
239	Misc. fabricated textile products E7	2.0	2.5	4.5	(D)	(NA)	(NA)
24	Lumber and wood products E2	13.1	12.4	25.3	.6	(NA)	(NA)
243	Millwork, plywood, struc. membs. E4	(D)	(D)	(D)	(D)	(NA)	(NA)
2434	Wood kitchen cabinets	(D)	(D)	(D)	(D)	(NA)	(NA)
245	Wood buildings and mobile homes	(D)	(D)	(D)	(D)	(NA)	(NA)
2452	Prefabricated wood buildings	(D)	(D)	(D)	(D)	(NA)	(NA)
249	Miscellaneous wood products E4	(D)	(D)	(D)	(D)	(NA)	(NA)
2499	Wood products, nec. E7	(D)	(D)	(D)	(D)	(NA)	(NA)
25	Furniture and fixtures E1	7.9	11.1	18.4	1.0	CC	(D)
251	Household furniture E1	6.6	10.2	16.1	.9	(NA)	(NA)
2512	Upholstered household furniture	(D)	(D)	(D)	(D)	(NA)	(NA)
2515	Mattresses and bedsprings E1	(D)	(D)	(D)	(D)	(NA)	(NA)

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Table 281.—MANUFACTURING, BY INDUSTRY GROUP AND INDUSTRY: 1967 AND 1972 (continued)

Ind. code	Industry	1972 . . . Con.				1967	
		Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	Capital expenditures, new (million dollars)	All employees (1,000)	Value added by manufacture (million dollars)
26	Paper and allied products	(D)	(D)	(D)	(D)	AA	(D)
27	Printing and publishing	46.2	17.3	63.6	8.9	2.0	27.0
2711	Newspapers	(D)	(D)	(D)	(D)	1.2	17.8
275	Commercial printing E1	12.4	8.5	20.9	1.3	(NA)	(NA)
2751	Commercial printing, letterpress E4	(D)	(D)	(D)	(D)	(NA)	(NA)
2752	Commercial printing, lithographic	9.4	5.8	15.2	1.1	(NA)	(NA)
28	Chemicals and allied products E1	(D)	(D)	(D)	(D)	BB	(D)
284	Soaps, cleaners, toilet goods	(D)	(D)	(D)	(D)	(NA)	(NA)
29	Petroleum and coal products	(D)	(D)	(D)	(D)	BB	(D)
2911	Petroleum refining	(D)	(D)	(D)	(D)	AA	(D)
30	Rubber, misc. plastics products E4	(D)	(D)	(D)	(D)	(NA)	(NA)
32	Stone, clay, glass products	31.8	24.7	56.5	4.0	1.1	18.4
3241	Cement, hydraulic	(D)	(D)	(D)	(D)	AA	(D)
327	Concrete, gypsum, plaster products	(D)	(D)	(D)	(D)	.8	11.8
3272	Concrete products, nec	6.6	3.6	10.0	.1	AA	(D)
3273	Ready-mixed concrete	(D)	(D)	(D)	(D)	BB	(D)
33	Primary metal industries	(D)	(D)	(D)	(D)	AA	(D)
331	Blast furnace, basic steel products	(D)	(D)	(D)	(D)	AA	(D)
3312	Blast furnaces and steel mills	(D)	(D)	(D)	(D)	AA	(D)
34	Fabricated metal products	(D)	(D)	(D)	(D)	(NA)	(NA)
341	Metal cans, shipping containers	(D)	(D)	(D)	(D)	(NA)	(NA)
3411	Metal cans	(D)	(D)	(D)	(D)	BB	(D)
344	Fabricated struc. metal products E2	(D)	(D)	(D)	(D)	AA	(D)
35	Machinery, except electrical E1	4.8	3.6	7.7	.2	.5	5.5
355	Special industry machinery	(D)	(D)	(D)	(D)	AA	(D)
3551	Food products machinery	(D)	(D)	(D)	(D)	AA	(D)
37	Transportation equipment E1	2.7	2.5	5.2	(Z)	(NA)	(NA)
373	Ship, boat building, repairing	(D)	(D)	(D)	(D)	BB	(D)
39	Misc. manufacturing industries E5	6.9	4.8	11.9	.8	.5	2.0
399	Miscellaneous manufactures E6	3.8	2.7	6.5	.7	.3	1.1
3999	Manufacturing industries, nec E5	(D)	(D)	(D)	(D)	BB	(D)
—	Administrative and auxiliary	—	—	—	—	1.0	—

Footnotes and source on next page.

Note: The payroll and sales data for small establishments (generally single-unit companies with less than 10 employees) were obtained from administrative records of other government agencies instead of from a census report form. These data were then used in conjunction with industry averages to estimate the balance of the items shown in the table for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time the data were tabulated. The following symbols are shown where administrative records data were used and account for 10 percent or more of the figures shown:

E1—10 to 19 percent E3—30 to 39 percent E5—50 to 59 percent E7—70 to 79 percent E9—90 to 99 percent
 E2—20 to 29 percent E4—40 to 49 percent E6—60 to 69 percent E8—80 to 89 percent E0—100 percent

— Represents zero. (NA) Not available. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than half of the unit of measurement shown (under 50 thousand dollars or man-hours; under 50 employees).

¹General statistics for some producing areas are withheld to avoid disclosing figures for individual companies. However, for such areas with 150 employees or more, the number of establishments is shown and the employment size range is indicated by one of the following symbols:

AA—150 to 249 employees BB—250 to 499 employees CC—500 to 999 employees EE—1,000 to 2,499 employees FF—2,500 employees and over

Source of tables 280 and 281: U.S. Bureau of the Census, *U.S. Census of Manufactures, 1972*, MC72(3)-12.

Table 282.—GENERAL EXCISE TAX BASE FOR SUGAR PROCESSING, PINEAPPLE CANNING, AND MANUFACTURING: 1958 TO 1974
 (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	894,534	415,257	103,686	375,591

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 283.—HAWAIIAN PINEAPPLE PRODUCTION: 1958 TO 1974
(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	10,180	8,470	6,900	886	840	135.0

¹Value of canned fruit and juices and byproducts shipped out-of-State and sold within State, as estimated by the Bank of Hawaii.

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 284.—SUGAR PRODUCTION: 1958 TO 1974

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	95,820	9,082,684	94.76	1,040,742	972,677	29.43	(NA)	(NA)

NA Not available.

¹Cash wage only, excluding the value of employee benefits.

Source: Hawaiian Sugar Planters' Association. *HSPA Sugar Manual 1974*, pp. 6-9, and records.

Table 285.—VALUE OF SALES AND GOVERNMENT PAYMENTS FOR PINEAPPLE AND SUGAR PRODUCTION: 1958 TO 1974

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	115.0	9.3	659,227	17,390	8,646

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 \$1.5 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 1974, the retailing tax base rose 34 percent, the wholesaling base by 41 percent, and the base for services by 36 percent. Major retail concentrations included Ala Moana Center (\$219 million in sales in 1972), Waikiki (\$169 million), and downtown Honolulu (\$65 million).

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 39,600 in February 1975. There were 294 hotels, motels and apartment-hotels in the State on the latter date, including 168 on the Neighbor Islands. Occupancy rates averaged 82.0 percent in Waikiki and 69.4 percent on the Neighbor Islands during 1974. The average daily room rate was \$23.64 in 1973. The hotel payroll in 1973 totaled \$107.5 million, compared with \$19.1 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 base 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: 1974*, Section 29, presents similar data for the nation as a whole.

**Table 286.—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 287.—GENERAL EXCISE TAX BASE FOR TRADE AND SERVICE ACTIVITIES: 1958 TO 1974
(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	2,959,201	783,771	66,557	1,414,899

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.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Base" (annual tabular release).

Table 288.—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
Wailuku	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 289.—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 290.—DEPARTMENT STORES, FOR OAHU: 1958 TO 1974

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

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 291.—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 292.—CHARACTERISTICS OF SELECTED SHOPPING CENTERS: 1975

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	55
Koko Marina S.C.	Honolulu	1963	15	256	859	84
Pearl City S.C.	Pearl City	1965	15	244	900	36
Pearl Ridge Center	Aiea	1972	48	849	3,505	85
Windward City S.C.	Kaneohe	1958	15	161	774	35
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	170	1,400	40
Kauai:²						
Lihue S.C.	Lihue	1966	9	142	551	24

¹Includes centers with more than 150,000 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 1975).

Table 293.—RETAIL SALES IN MAJOR RETAIL CENTERS ON OAHU: 1948 TO 1972
(In thousands of dollars)

Geographic area or shopping center ¹	1948 ²	1954 ²	1958	1963	1967 ²	1972
Oahu	275,477	323,872	415,471	605,832	899,741	1,489,602
Honolulu	240,278	274,422	346,094	494,540	734,546	1,144,892
Central business district ³	67,173	63,771	64,059	55,321	55,138	65,471
Ala Moana Center .....	...	...	...	65,538	122,051	218,844
Pawaa ⁴ .....	...	...	26,443	...	...	...
Waikiki ⁵	14,824	...	31,881	45,897	84,005	169,084
Kahala Mall .....	...	...	4,152	...	15,984	41,625
Dillingham Blvd. ....	...	...	...	...	23,896	20,094
Remainder of Oahu	35,199	49,450	69,377	111,292	165,195	344,710
Kailua Shopping Center .....	...	...	8,835	22,630	22,769	44,641
Wahiawa business district .....	...	...	...	10,509	18,883	...
Pearl Ridge Shopping Center .....	...	...	...	...	...	18,606
Waipahu and Westgate Shopping Centers .....	...	...	...	...	...	33,768

¹For exact boundaries, see source.

²As later revised.

³Bounded by Nuuanu Stream, Beretania St., Richards St., Halekauwila St., and Honolulu Harbor.

⁴South Beretania St., from Piikoi St. to Kalakaua Ave.; Kalakaua Ave. from South Beretania St. to South King St.

⁵Bounded by Ala Wai Canal, Kapahulu Ave., and the ocean.

Source: Honolulu Redevelopment Agency, "Retail Trade and Substandard Housing in Honolulu Census Tracts," *Redevelopment and Housing Research*, No. 7, January 1957, pp. 21-28. U.S. Bureau of the Census, *1954 Census of Business*, Bull. CBD-47; *1958 Census of Business*, BC58-CBD36; *1963 Census of Business*, BC 63-MRC-43; *1967 Census of Business*, BC67-MRC-12; *1972 Census of Retail Trade*, RC72-C-12.

Table 294.—CHARACTERISTICS OF RETAIL ESTABLISHMENTS OPERATED BY THE ARMED FORCES: 1970 TO 1974

Branch of service and type of operation	Annual sales (\$1,000)					Civilian employment				
	1970 ¹	1971 ¹	1972	1973	1974 ²	1970 ³	1971 ³	1972 ⁴	1973	1974 ²
Total	75,761	78,737	136,088	144,857	107,326	2,325	2,197	3,563	4,124	2,492
By branch:										
Army	60,152	62,575	66,746	69,452	22,678	1,843	1,737	1,820	2,439	808
Air Force										
Marine Corps	15,609	16,162	18,346	19,337	19,057	482	460	485	508	465
Navy	(NA)	(NA)	50,996	56,068	65,591	(NA)	(NA)	1,258	1,177	1,219
By operation:										
Commissaries	14,117	15,532	37,618	41,017	45,682	57	59	440	392	395
Exchanges	53,201	54,544	87,702	92,014	49,972	2,046	1,946	2,830	2,626	1,026
Clubs	8,443	8,661	10,768	11,826	11,672	222	192	350	1,106	1,071

NA Not available.

¹Excludes Navy establishments.

²Excludes Army and Air Force Exchange.

³Excludes Air Forces club employment and all Navy employment.

⁴Excludes Air Force club employment.

Source: Data submitted to the Hawaii State Department of Planning and Economic Development by the Department of the Air Force, Hdq., 15th Air Base Wing (PACAF); Departments of the Army and Air Force, Hdq., Army and Air Force Exchange Service, Pacific; U.S. Marine Corps, Hdq., Marine Corps Bases, Pacific; and Hdq., U.S. Naval Base, Pearl Harbor.

**Table 295.—WHOLESALE TRADE, BY TYPE OF OPERATION, KIND OF BUSINESS,
AND GEOGRAPHIC AREA: 1972**

Geographic area, type of operation, and kind of business	Number of estab- lishments	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 296.—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 297.—HOTEL UNITS, OCCUPANCY RATES, EMPLOYMENT, AND PAYROLL: 1958 TO 1974

Year	Number of hotel units ¹			Percent occupied ²		Hotel employment ²	Payroll ³ (\$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

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, for workers covered by the Hawaii Employment Security Law.

³Wage 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 298.—HOTELS AND RELATED FACILITIES, BY GEOGRAPHIC AREA: 1970 TO 1975

Geographic area	Visitor plants ¹			Units		
	Feb. 1970	Feb. 1974	Feb. 1975	Feb. 1970	Feb. 1974	Feb. 1975
State total	275	280	294	26,923	38,675	39,632
Oahu	152	129	126	18,449	25,365	25,352
Waikiki ²	124	101	99	16,590	21,843	21,812
Hotels	55	60	64	13,825	18,793	19,980
Apt. hotels	63	40	32	2,488	3,012	1,664
Other ³	6	1	3	277	38	168
Rest of Oahu	28	28	27	1,859	3,522	3,540
Other islands	123	151	168	8,474	13,310	14,280
Hawaii	41	47	49	3,166	5,234	5,348
Kauai	31	35	36	2,565	2,868	3,102
Maui	48	66	80	2,643	5,109	5,731
Molokai	2	2	2	89	88	88
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 299.—HOTEL UNITS, 1974 AND 1975, AND OCCUPANCY RATES, 1973 AND 1974
BY GEOGRAPHIC AREA**

Geographic area	Number of units			Percent occupied ¹	
	Feb. 1974 (existing)	February 1975		1973	1974
		Existing	Planned ²		
State total	38,675	39,632	14,371	(NA)	(NA)
Oahu	25,365	25,352	4,398	(NA)	(NA)
Waikiki and Kahala ³	21,843	21,812	3,688	81.5	82.0
Ala Moana	1,629	1,681	—	} (NA)	(NA)
Central Honolulu	128	130	—		
Airport	491	492	210		
Leeward Oahu	675	655	400		
Windward Oahu	599	582	100		
Hawaii	5,234	5,348	3,869	62.3	61.2
Hilo and Honokaa	1,782	1,850	349	63.2	60.6
Volcano	37	38	—	} 70.1	77.5
Ka'u	13	13	150		
North and South Kohala	393	392	—		
North and South Kōna	3,009	3,055	3,370		
Maui	5,109	5,731	2,676	76.5	74.6
Wailuku and Kahului	397	355	—	82.9	80.3
Lahaina to Napili	3,784	4,252	1,458	78.4	77.4
Kihei and Maalaea	817	1,015	1,128	} 62.1	58.5
Kula, Makawao, and Paia	25	23	90		
Hana	86	86	—		
Kauai	2,868	3,102	2,570	75.9	78.1
Kapaa and Wailua	1,582	1,586	645	} 75.8	77.9
Lihue	618	605	170		
Poipu and Kuku'i'u'a	548	557	500	81.9	80.7
Kalaheo	17	20	—	} 59.0	63.0
Kokee	12	12	—		
Hanalei	91	322	1,255		
Molokai	88	88	808	(NA)	(NA)
Lanai	11	11	50	(NA)	(NA)

NA Not available.

¹Annual averages.

²Under construction or announced for future construction. Includes 2,387 to be completed in 1975, 3,926 in 1976, 750 in 1977, and 7,308 indefinite.

³Occupancy data limited to Waikiki and Diamond Head.

Source: Hawaii Visitors Bureau, *1973 Annual Research Report*, pp. 25-28; *Visitor Plant Inventory, February 1975*; and records.

Table 300.—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 301.—NUMBER AND GROSS SALES OF LIQUOR LICENSEES, FOR OAHU: 1950 TO 1974

Year ¹	All types	Dispensers	Cabarets	Retail stores	Tour vessels	Private clubs	Wholesalers	Manufacturers
NUMBER OF LICENSEES								
1950 ²	547	214	—	283	—	14	27	5
1960	629	269	14	305	—	15	18	8
1970	797	415	19	321	5	14	17	6
1971	832	431	22	330	10	14	19	6
1972	856	451	21	336	12	13	18	5
1973	897	480	26	346	9	13	18	5
1974	922	488	36	352	10	13	18	5
GROSS SALES (\$1,000)³								
1960 .....	...	22,056	...	...	...	...	...	...
1970	132,764	48,598	6,385	25,754	51	1,038	39,327	11,611
1971	144,728	51,072	6,692	28,761	120	1,082	45,237	11,764
1972	160,749	56,065	7,195	32,393	162	1,156	53,053	10,726
1973	173,983	66,811	9,726	35,837	241	1,247	53,205	6,915
1974	187,536	73,210	11,401	41,366	294	1,357	55,872	4,035

¹Calendar years, 1950 and 1960; fiscal years ended June 30, 1970 and thereafter.

²Total includes 4 miscellaneous licenses.

³Not available for dispensers and cabarets for 1950 and other types for 1960 or earlier.

Source: City and County of Honolulu Liquor Commission, records.

Table 302.—LIQUOR AND TOBACCO TAX BASES: 1970 TO 1974

(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

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 \$33 million in 1958 to \$582 million in 1974. Exports to foreign countries amounted to only \$17 million in 1958, but by 1973 exceeded \$73 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 \$426 million in 1958 to \$1.2 billion in 1972. Merchandise exported to the Mainland rose from \$236 million in 1958 to \$366 million in 1971 and \$350 million in 1972.

Among the foreign nations, Hawaii's leading trading partner in 1973 was Japan. Imports from Japan amounted to \$88 million, or 32 percent of the total, while exports to Japan reached \$21 million, or 30 percent of all foreign exports.

The Honolulu Foreign Trade Zone received merchandise valued at \$13 million in 1974.

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: 1974*.

Table 303.—IMPORTS AND EXPORTS: 1958 TO 1974
(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	(NA)	(NA)	272.6	(NA)	(NA)	73.1
1974	(NA)	(NA)	581.7	(NA)	(NA)	(NA)

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 centered 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 1966-1973*; Bank of Hawaii, *Hawaii '68* (p. 45) and *Hawaii '74* (p. 45).

Table 304.—IMPORTS AND EXPORTS, BY CONTINENT AND COUNTRY, FOR THE HONOLULU CUSTOMS DISTRICT: 1972 AND 1973

(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	
	1972	1973 ¹	1972	1973
All countries	227,498,785	272,646,776	58,644,633	72,175,572
Africa	48,168	137,699	147,967	35,510
Asia	164,911,236	188,946,526	35,757,570	40,303,380
Hong Kong	9,774,532	11,374,236	3,997,121	992,390
Indonesia	17,402,784	31,311,958	1,153,056	472,842
Japan	91,544,492	88,283,603	17,088,136	21,475,603
Korea, Rep. of	896,924	972,240	7,502,923	787,299
Peoples' Rep. of China	322,997	353,132	—	—
Rep. of China (Taiwan)	5,529,948	9,614,008	729,939	12,541,750
Other countries	39,439,559	47,037,349	5,286,395	4,033,496
Canada	14,041,644	17,590,065	778,215	888,962
Europe	13,191,161	18,647,293	10,151,287	6,002,747
France	784,653	1,710,533	2,600,988	960,669
Germany, Fed. Rep. of	7,701,298	10,563,271	3,377,672	1,651,614
United Kingdom	1,965,414	2,605,848	938,270	770,558
Other countries	2,739,796	3,767,641	3,234,357	2,619,906
Latin America	5,526,114	6,296,801	159,740	90,377
Pacific	29,780,462	27,067,375	11,649,854	24,854,596
Australia	13,381,328	9,651,795	7,670,645	18,464,474
New Zealand	8,420,802	11,097,555	823,116	2,276,471
Other countries	7,978,332	6,318,025	3,156,093	4,113,651

¹Includes \$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 Customs District of Exportation by Country of Destination...* 32. Honolulu, Hawaii (EA 663) for 1972 and 1973 (special tabulations).

Table 305.—IMPORTS AND EXPORTS, BY COMMODITY, FOR THE HONOLULU CUSTOMS DISTRICT: 1972 AND 1973

(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	1972	1973
IMPORTS FOR CONSUMPTION		
All commodities	227,498,785	272,646,776
Animal and vegetable products	39,821,627	42,428,936
Wood and paper; printed matter	14,559,882	19,226,570
Textile fibers and textile products	14,691,324	10,832,510
Chemicals and related products (including petroleum)	67,130,119	103,329,332
Non-metallic products and minerals	4,692,209	5,309,079
Metals and metal products	67,903,902	69,458,906
Specified products and miscellaneous	17,569,102	20,370,102
Special classification provisions	917,600	1,379,076
Special statistical reporting numbers	213,020	312,265
EXPORTS		
All commodities	58,644,633	72,175,572
Food and live animals	12,724,320	10,856,547
Beverages and tobacco	18,767	45,424
Crude materials—inedible	3,765,661	4,718,376
Mineral fuels, lubricants and related	1,094,685	1,679,534
Oils, fats and waxes—animal and vegetable	237,664	692,561
Chemicals	1,765,881	1,398,259
Manufactured goods	524,397	957,252
Machinery and transport equipment	34,172,778	45,527,037
Miscellaneous manufactured articles not elsewhere classified	4,312,345	6,230,149
Commodities not classified	28,135	70,433

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, 1972, and 1973 and U.S. Exports, 1972 and 1973 special tabulations.

Table 306.—OPERATIONS OF FOREIGN-TRADE ZONE NO. 9, HONOLULU: 1973 AND 1974

Subject	1973	1974
Area of primary zone in square feet, June 30	218,276	235,766
Firms using zone during year	140	139
Continuously	17	21
Merchandise received: Value (dollars)	11,802,749	12,598,347
Weight (short tons)	5,693	6,001
Merchandise forwarded: Value (dollars)	11,573,770	12,796,142
Weight (short tons)	5,596	6,112
Occupancy (annual average percent)	78	73
Total income (dollars)	323,866	410,939
Total expenses (dollars)	316,724	380,835
Net income (dollars)	7,142	30,104
Assets, June 30 (dollars)	1,275,333	1,344,644

Source: *Annual Report, Foreign-Trade Zone No. 9, Honolulu, Hawaii* for years ended June 30, 1973 and 1974.

Table 307.—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 308.—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 tenth 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 *Historical Statistics of Hawaii, 1778 to 1962*, both prepared by Robert C. Schmitt and issued by the Department of Planning and Research in 1962. Retitled *The State of Hawaii Data Book*, updated versions were published by DPED in 1967, 1968, 1970, 1971, 1972 and 1973. The 1967 and 1968 editions were the work of the DPED Information and Public Services Office, chiefly Nancy C. Fowler. The 1970 and later editions were prepared by Robert C. Schmitt and Lynn Y. S. Zane of the Research and Economic Analysis Division. All volumes issued prior to 1975 are now out of print, but copies can be seen in the DPED Library, Hawaii State Library, University of Hawaii Library, and in 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 were given only limited distribution, 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 1975 edition, with statistics through 1974; 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 in 1875 by Thomas G. Thrum. 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 volumes are *Hawaii '75*, published by the Bank of Hawaii in August 1975 and *Hawaii in 1973*, issued by the First Hawaiian Bank in November 1973.

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 95th, dated 1974; copies are available for \$10.20 (cloth) or \$6.85 (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 \$12.20. Both volumes are on the shelves of most libraries.

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