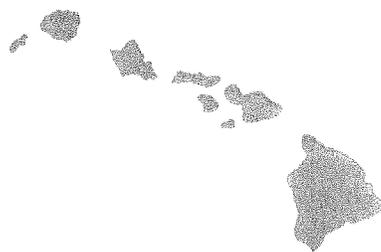
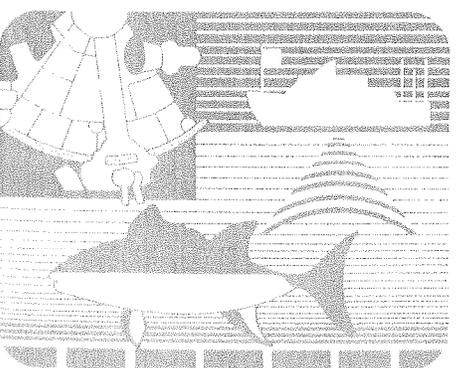
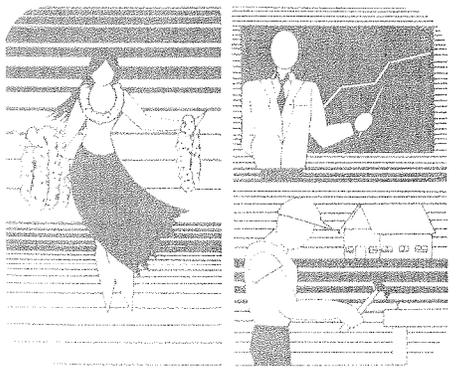
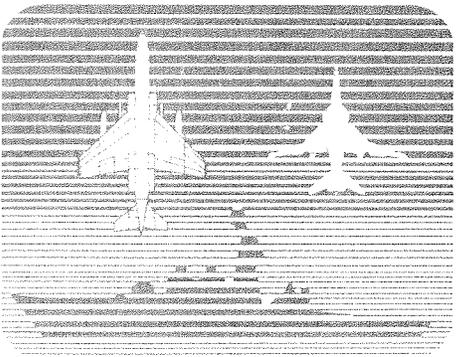
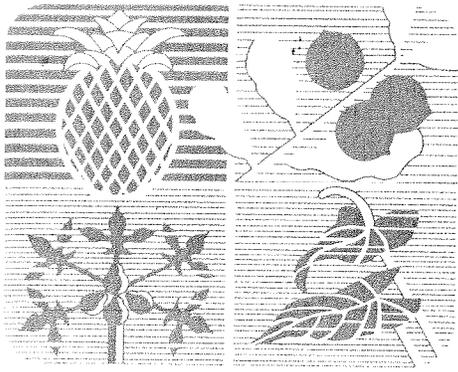
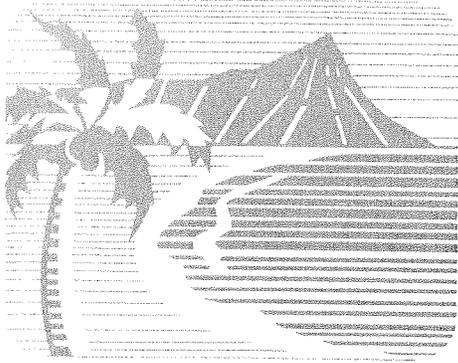


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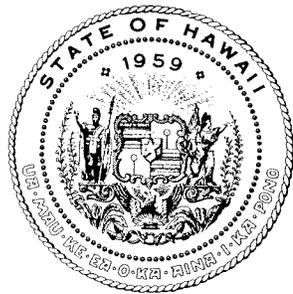
**DBEDT**

THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM  
STATE OF HAWAII

# QUARTERLY STATISTICAL & ECONOMIC REPORT



June 1996



This Quarterly Statistical and Economic Report has been prepared by the staff of the Research and Economic Analysis Division of the State Department of Business, Economic Development and Tourism (DBEDT). The report provides concise statistical information and analyses on Employment, Income and Prices, Taxes, Tourism, and Construction, as well as an overview of the four Hawaii State Counties.

This report was prepared under the direction of the division administrator, Dr. Pearl Imada Iboshi. Dr. Tu Duc Pham directly ran the project with able assistance from Ms. Heather Stanton and data provided by Mr. Greg Leong.

Technical notes and source descriptions have been kept to a minimum. However, the staff of the Research and Economic Analysis Division would be happy to respond to any inquiries of a technical nature that readers may have (586-2466). The information contained in this report reflects data received by the Research Division on or before March 1, 1996.

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## STATE OF THE ECONOMY

The first quarter of 1996 brought positive growth to the state of Hawaii, demonstrating that the recovery of Hawaii's economy is continuing. The latest data showed that the number of visitor arrivals increased 9.5 percent during the first quarter of 1996, as compared to the corresponding 1995 period (table D-2). This growth was the highest first quarter figure since 1989, and marks the fourth consecutive quarter of growth in visitor arrivals. The increase was largely due to the 18.2 percent growth of Eastbound visitors, primarily from Japan (table D-4). Westbound visitor arrivals also increased 4.4 percent in the first three months of 1996 relative to the same period in 1995 (table D-3). This is good news for Hawaii's economy, as the state has not seen positive growth from Westbound visitors since 1994.

It should be noted that part of the large increase in arrivals reflects the drop of 13.0 percent in Eastbound visitor arrivals in February 1995 as a result of the Kobe earthquake. The fact that February 1996 had 29 days, as compared to 28 days in February 1995, also contributed to the high tourism growth rate in the first two months of 1996. Adjusting for the "Kobe" and "leap year" impacts, DBEDT estimates that the number of visitor arrivals increased only 6.2 percent during the first three months of 1996, as compared to the same period in the previous year.

As a result of the growth in the number of visitors, the hotel occupancy rate averaged 82.1 percent in the first quarter of 1996, a 1.9 percentage point increase from the first quarter of 1995 (table D-7). This is the highest quarterly occupancy rate since the first quarter of 1990. Increases in hotel occupancy rates translated into increases in hotel receipts. Data from the Hawaii Department of Taxation indicates that the hotel

rental tax base continued to increase 8.3 percent in the first quarter of 1996, as compared to the corresponding 1995 period (table C-11). In the previous two years, the hotel rental tax base rose 6.6 percent in 1995 and 9.1 percent in 1994.

The Transient Accommodation Tax (TAT) revenues grew 25.6 percent in the first quarter of 1996 over the year earlier, continuing double-digit increases since the third quarter of 1994 (table C-6). Higher room rates and the expiration of tax exemptions for Kauai's hotels in January 1995 partly contributed to the increase in TAT in 1995. For the year 1995, TAT revenues were \$105.6 million, an increase of 22.1 percent from the 1994 figure.

Not only did tourism receipts grow, but the construction industry showed some improvement as well. The data indicated that the general excise tax base for contracting grew 6.2 percent during the first quarter of 1996 (table C-10). This growth is significant since it is the largest quarter of growth in the tax base since the third quarter of 1991. For 1995 as a whole, however, the general excise tax base for contracting fell 5.7 percent. This decline was mainly due to higher interest rates during the first half of 1995. The value of construction completed increased 6.0 percent in the first quarter of 1996 relative to the year earlier (table E-2). This follows a decline of 4.9 percent for 1995 as a whole.

Other measures show some weakness in construction activity. The value of building permits, an indicator of future private construction, declined 33.6 percent in the first quarter of 1996 as compared to the 1995 first quarter figure (table E-2). The decline is mainly due to a sharp drop in the number of housing units authorized (tables E-3 and E-4). On the other hand, data compiled by First Hawaiian Bank indicate that government

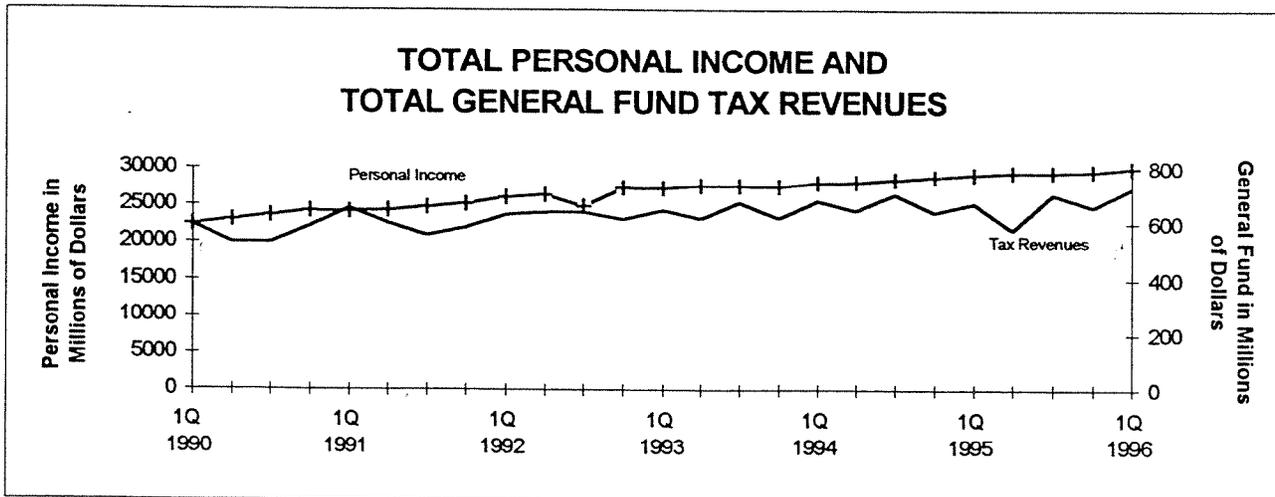
contracts awarded increased 8.8 percent during the first quarter of 1996 (table E-2).

The state's fiscal position continues to improve. General fund tax revenues increased by 8.0 percent from the first three months of 1995 to the first three months of 1996, following a 3.2 percent increase from the fourth quarter of 1994 to the fourth quarter of 1995 (table C-2). However, for the first six months of 1995, tax revenues distributed to the General Fund were lower than that of the same period in 1994, primarily because of a decline in net individual income tax collections. This was partly due to a change in the state withholding tax in 1994 that resulted in higher withholdings on wages, and subsequently, higher state income tax refunds in March-May 1995 when the Department of Taxation processed the 1994 income tax returns. DBEDT expects State General Fund tax revenues to continue to increase strongly in the second quarter of 1996 over the same period in 1995 for the following reasons: (1) tax revenues in the

second quarter of 1996 will reflect the strong increase in visitor arrivals in the first quarter of 1996, as there is always a time lag between visitor spending and tax collections; (2) as a result of a lower food tax credit and the elimination of the medical services tax credit, income tax refunds will be lower and payments with returns will be higher; and (3) because the state's largest taxpayers of the general excise tax were required to pay via electronic fund transfer effective April 1996, more taxes than usual were collected in April.

The largest source of general fund revenues, general excise and use tax revenues, grew at 6.5 percent in the first quarter of 1996 relative to the same period in 1995 (table C-3). For 1995, general excise and use tax collections were \$1,368.7 million, an increase of 2.9 percent from the 1994 figure.

The unemployment rate in the first three months of 1996 was 5.8 percent (table A-4). The annual unemployment rate was 5.8 percent in 1995 compared to 6.1 percent in



Source: Data compiled from tables B-2 (Personal Income) and C-2 (State General Fund Tax Revenues).

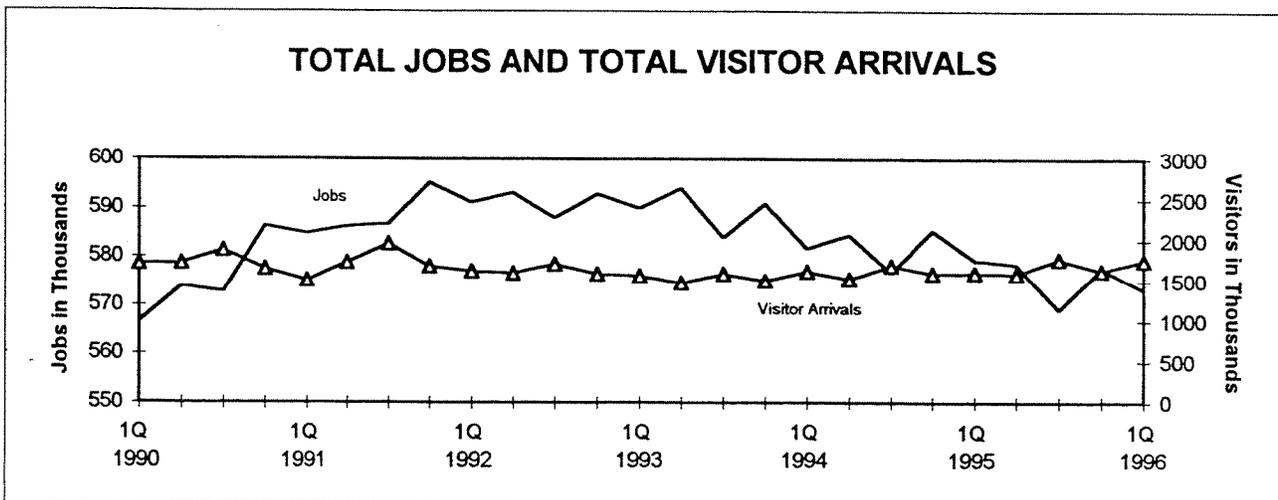
1994. Overall, the number of jobs declined 1.1 percent in the first quarter of 1996, continuing the decline since the 1992 fourth quarter (table A-5). As there is always some time lag between economic growth and growth in jobs, it is expected that the employment picture will improve as the visitor industry continues its current growth trend.

The number of jobs in the construction industry averaged 24,800 in the first quarter of 1996 (table A-7). The industry has lost more than 9,000 jobs since the 1991 third quarter peak of 34,000 jobs. The total number of jobs in state government continued to decline by 4.9 percent in the first three months of 1996 relative to the year-earlier quarter (table A-18). This was the third consecutive quarter of state government job decline. As estimated by the Hawaii Department of Labor and Industrial Relations, the number of state government jobs was 64,200 in the first quarter of 1996, as compared to 67,500 in the corresponding 1995 period. For all of 1995, state government jobs were 1.6 percent lower than in 1994—the first an-

nual decline since 1979.

The number of wage and salary jobs in agriculture increased 2.8 percent in the first quarter of 1996, after an increase of 2.4 percent in the fourth quarter of 1995 relative to the year earlier (table A-20). The 1995 fourth quarter was the first quarterly increase since the 1992 first quarter. The number of agriculture self-employed and non-paid family workers increased 0.2 percent in the first three months of 1996, following an increase of 7.1 percent from the 1994 fourth quarter to the 1995 fourth quarter (table A-21). Other sectors—including construction, manufacturing, wholesale and retail trade, and finance and real estate—experienced declines in jobs in the first quarter of 1996 relative to the corresponding period in the previous year (table 1).

Price inflation remains low. The Honolulu Consumer Price Index rose at a 2.2 percent rate in the second half of 1995 from the second half of 1994 (table B-9). This measure of inflation also stood at 2.2 percent for 1995 as a whole, the lowest rate since 1983.



Source: Data compiled from tables A-5 (Total Jobs) and D-2 (Total Visitor Arrivals).

Personal income continued to grow slightly faster than the Honolulu Consumer Price Index. The latest 1995 data indicate that personal income increased 2.8 percent from the fourth quarter of 1994 to the fourth quarter of 1995 (table B-1). As mentioned earlier, the inflation rate at the consumer level was only 2.2 percent in 1995. For 1995

as a whole, personal income increased 3.6 percent over the 1994 figure. Personal income growth was due mainly to an increase in dividends, interests, and rents (6.9 percent), and transfer payments (7.5 percent). Income derived from salaries and wages increased by only 1.8 percent, slightly less than the increase in consumer prices.

## OUTLOOK OF THE ECONOMY

The outlook for Hawaii's economy has not changed significantly since the publication of the March 1996 issue of the *Quarterly Statistical and Economic Report*. Hawaii's economic growth depends primarily on the health of the Japanese and U.S. economies, particularly the economy of the state of California. All national indicators show that the U.S. economy has landed softly. After an increase of 2.1 percent in 1995, Real Gross Domestic Product (GDP) increased by only 2.8 percent in the first quarter of 1996. The U.S. unemployment rate averaged 5.6 percent in the first quarter of 1996, the lowest rate since the first quarter of 1995.

The price index for GDP, which measures prices of all goods and services produced in the United States, increased at a rate of 2.5 percent in 1995. This relatively low rate of inflation follows a 2.1 percent increase in 1994, the lowest annual rate since 1964.

The Blue Chip national economic forecast, which represents the consensus of about 50 top national forecasters, anticipates a 1.9 percent real GDP growth in 1996 and a 2.1 percent real GDP growth next year. In contrast, although the recovery of the Japanese economy has been slow, the relatively high value of the yen has reinforced tourism from that country. The value of the yen is expected to stabilize at the level of 105 yen per U.S. dollar in the immediate future, rising from the low of about only 80 yen per dollar in April 1995. The Blue Chip consensus for Japan's economic growth is 1.8 percent as of April 1996. In 1997, Japan's economy is expected to expand 2.4 percent.

In real terms, the California economy is expected to grow 4.2 percent in 1996 and 4.7 percent in 1997. This acceleration in California's economy should translate into

increased visitors to Hawaii over time. Economic growth in other tourism markets such as Canada, Germany, Korea, and Australia are also moderately favorable.

The relatively positive conditions in our major visitor markets will translate into stronger economic growth for the state. As noted earlier, the number of visitor arrivals increased 9.5 percent in the first quarter of 1996 over the year earlier, following annual increases of 5.0 percent in 1994 and 2.5 percent in 1995. Although the "official" number of visitors in 1995 was still approximately 300,000 below the 1990 figure, the 1990 and 1995 tourism figures are not strictly comparable because of a change in estimation methodology. DBEDT expects that this recovery in the visitor industry will continue, and anticipates the number of visitor arrivals to increase between 5.0 and 7.0 percent from 1995 to 1996. There is a good possibility that the number of visitor arrivals to Hawaii will break the 7 million figure for the first time this year.

Construction value in current dollars declined 4.9 percent in 1995 (table E-2), mainly due to the winding down of the H-3 freeway project. Construction jobs also fell by 9.5 percent for that year, and 6.4 percent for the first quarter of 1996 (table A-7). It is expected that construction jobs will decline another 5.0 percent by the end of 1996.

DBEDT expects inflation, as measured by changes in the Honolulu Consumer Price Index, to remain at the current low level: about 2.0 to 2.5 percent in 1996 and 1997.

Overall, Real Gross State Product should grow 2.3 percent in 1996, and 2.6 percent in 1997. Although lower than the rates experienced before 1991 and in spite of the lag in construction, this growth suggests that the recovery of Hawaii's economy has finally begun.

## ACTUAL AND FORECASTED KEY ECONOMIC INDICATORS FOR HAWAII: 1995 TO 2000

<i>Economic Indicators</i>	<i>1995 (actual)</i>	<i>1996 (forecast)</i>	<i>1997 (forecast)</i>	<i>1998 (forecast)</i>	<i>1999 (forecast)</i>	<i>2000 (forecast)</i>
TOTAL POPULATION (in thousands)	1,186.8	1,198.7	1,210.7	1,222.8	1,235.0	1,247.3
VISITOR ARRIVALS (in thousands)	6,633.8	6,965.5	7,244.1	7,497.7	7,760.1	8,031.7
HONOLULU CPI-U (1982-84=100)	168.1	172.3	176.6	181.9	187.4	193.0
PERSONAL INCOME (in million dollars)	29,359.0	30,499.5	32,003.1	33,641.2	35,357.5	37,204.8
PERSONAL INCOME (in \$1987 million)	20,065.2	20,336.3	20,818.4	21,246.6	21,680.1	22,148.4
TOTAL JOBS (in thousands)	576.2	582.7	591.3	601.9	612.5	624.5
GROSS STATE PRODUCT (in million dollars)	32,723.7	34,229.0	35,940.4	37,845.3	39,813.2	41,963.2
REAL GROSS STATE PRODUCT (in \$1987 million)	23,297.8	23,837.8	24,467.0	25,013.3	25,547.6	26,142.9
GROSS STATE PRODUCT DEFLATOR (1987=100)	140.5	143.6	146.9	151.3	155.8	160.5
<b>Annual Percentage Growth</b>						
TOTAL POPULATION (in thousands)	0.7	1.0	1.0	1.0	1.0	1.0
VISITOR ARRIVALS (in thousands)	3.2	5.0	4.0	3.5	3.5	3.5
HONOLULU CPI-U (1982-84=100)	2.2	2.5	2.5	3.0	3.0	3.0
PERSONAL INCOME (in million dollars)	3.6	3.9	4.9	5.1	5.1	5.2
PERSONAL INCOME (in \$1987 million)	1.4	1.4	2.4	2.1	2.0	2.2
TOTAL JOBS (in thousands)	(1.0)	1.1	1.5	1.8	1.8	2.0
GROSS STATE PRODUCT (in million dollars)	2.4	4.6	5.0	5.3	5.2	5.4
REAL GROSS STATE PRODUCT (in \$1987 million)	0.5	2.3	2.6	2.2	2.1	2.3
GROSS STATE PRODUCT DEFLATOR (1987=100)	1.9	2.2	2.3	3.0	3.0	3.0

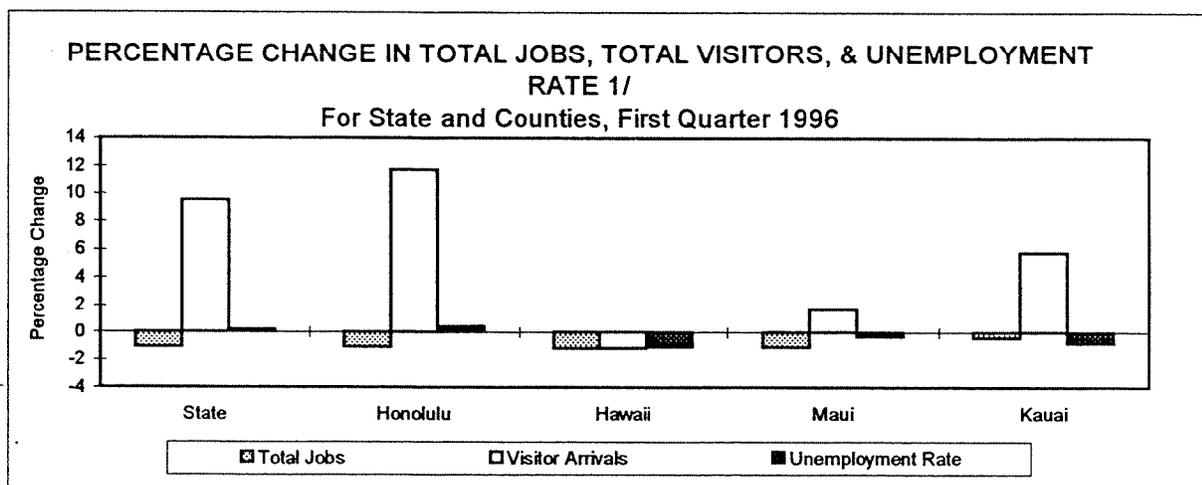
## COUNTY ECONOMIC CONDITIONS

The distribution of visitor arrival growth across counties was uneven in the first quarter of 1996. The total number of visitors increased 11.7 percent for Oahu, 5.8 percent in Kauai, and 1.7 percent for Maui, in the first three months of 1996 over the first three months of 1995 (tables 2, 4, and 5). However, the number of visitors to Hawaii County declined 1.2 percent (table 3). In contrast, growth in the hotel rental tax base favored the Neighbor Islands. Kauai and Maui experienced sharp increases in the first three months at 10.3 percent and 33.5 percent over the year-earlier period, respectively. For Oahu, the hotel rental tax base increased only 4.4 percent. For Hawaii County, the hotel rental tax base increased only 0.2 percent from the first quarter of 1995 to the first quarter of 1996.

The civilian unemployment rate for Hawaii and Kauai remained high at 8.9 percent and 11.5 percent in the first quarter of 1996, respectively. The Honolulu and Maui unemployment rates for the first three months of 1996 were only 4.7 percent and 6.9 percent,

respectively. The overall unemployment rate for the first quarter of 1996 declined in each of the four counties except for the county of Honolulu. Hawaii County experienced a 1.1 decline, while Maui and Kauai counties experienced a decline of less than 1.0 percent (0.3 and 0.8, respectively). Honolulu county, on the other hand, encountered a slight increase of 0.4 percent since the fourth quarter of 1995.

Data from the Hawaii Department of Labor and Industrial Relations indicate that the number of wage and salary jobs declined in all counties in the first quarter of 1996. From the first quarter of 1995 to the first quarter of 1996, the total number of jobs declined 1.1 percent for Oahu, 1.2 percent for Hawaii County, 1.1 percent for Maui, and 0.4 percent for Kauai. For 1995, Honolulu, Maui, and Hawaii lost jobs while the number of jobs in Kauai increased by 1.6 percent. As indicated in the previous section, job counts and unemployment rate data are expected to show improvement as the economy continues its current growth trend.



Note: 1/ Percentage change of unemployment rate represents absolute change.

Source: Research and Economic Analysis Division, DBEDT.

Table 1  
**SELECTED ECONOMIC ACTIVITIES: STATE**

SERIES	UNIT	1995 TOTAL		1st QUARTER 1996	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE	PERSONS	579,781	-0.5	585,236	1.2
Civilian Employment	PERSONS	545,798	-0.3	551,526	1.1
Civilian Unemployment	PERSONS	33,983	-3.8	33,711	3.3
UNEMPLOYMENT RATE	%	5.8	-0.3 1/	5.8	0.2 1/
TOTAL JOBS	JOBS	576,116	-1.0	573,100	-1.1
TOTAL NON-AGR. WAGE & SALARY	JOBS	532,676	-0.7	530,003	-1.0
Contract Construction	JOBS	26,416	-9.5	24,829	-6.4
Manufacturing	JOBS	16,930	-4.7	16,605	-1.0
Trans., Comm., Utilities	JOBS	40,698	-2.6	40,752	0.7
Trade	JOBS	135,636	1.8	134,703	-0.4
Retail	JOBS	114,136	2.1	113,371	-0.3
Finance, Insur., & Real Estate	JOBS	37,124	-3.4	37,049	-0.4
Services & Miscellaneous	JOBS	164,804	0.6	164,981	0.0
Hotels	JOBS	37,878	-0.4	38,727	1.6
Government	JOBS	111,068	-0.7	111,083	-2.8
State	JOBS	63,938	-1.6	64,193	-4.9
Federal	JOBS	30,696	-1.8	30,640	0.5
AGRICULTURE WAGES AND SALARIES	JOBS	7,286	-9.1	7,297	2.8
AGRICULTURE SELF-EMPLOYED	JOBS	3,829	0.1	3,672	0.2
NON-AGR. SELF-EMPLOYED	JOBS	32,325	-5.1	32,064	-3.0
STATE GENERAL FUND TAX					
REVENUES	\$1,000	2,614,713	-2.2	725,292	8.0
TRANS. ACCOM. TAX REVENUES 2/	\$1,000	105,617	22.1	34,193	25.6
GENERAL EXCISE & USE TAX BASE	\$1,000	45,577,000	2.4	12,323,000	3.8
Retailing Tax Base	\$1,000	15,051,000	3.3	4,206,000	7.0
Services Tax Base	\$1,000	5,351,079	1.5	1,372,411	0.1
Contracting Tax Base	\$1,000	3,133,511	-5.7	824,545	6.2
Hotel Rental Tax Base	\$1,000	1,776,525	6.6	518,041	8.3
Producing Tax Base	\$1,000	457,538	-2.1	124,210	1.5
VISITOR ARRIVALS	PERSONS	6,589,130	2.5	1,752,910	9.5
Westbound Visitors	PERSONS	3,933,110	-1.6	1,054,760	4.4
Eastbound Visitors	PERSONS	2,656,020	9.2	698,150	18.2
HOTEL OCCUPANCY RATES	%	76.9	0.0 1/	82.1	1.9 1/

Notes: 1/ Represents absolute change in rates rather than percentage change in rates.

2/ Tax exemption to providers of transient accommodations located in natural disaster areas sunsetted after 12/31/94 (Act 129, SLH 1993).

Source: Hawaii Dept. of Labor & Industrial Relations, Dept. of Taxation, Hawaii Visitors Bureau, and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

Table 2

## SELECTED ECONOMIC ACTIVITIES: CITY AND COUNTY OF HONOLULU

SERIES	UNIT	1995 TOTAL		1st QUARTER 1996	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE	PERSONS	420,837	-0.4	425,905	1.4
Civilian Employment	PERSONS	401,524	-0.3	405,843	1.0
Civilian Unemployment	PERSONS	19,313	-1.4	20,062	11.4
UNEMPLOYMENT RATE	%	4.6	-0.1 1/	4.7	0.4 1/
TOTAL JOBS	JOBS	431,751	-1.0	429,712	-1.1
TOTAL NON-AGR. WAGE & SALARY	JOBS	408,405	-0.8	406,526	-1.0
Contract Construction	JOBS	20,384	-8.9	19,039	-7.0
Manufacturing	JOBS	12,916	-3.4	12,700	-1.7
Trans., Comm., Utilities	JOBS	33,185	-2.3	33,270	1.0
Trade	JOBS	101,438	1.5	101,286	0.5
Retail	JOBS	83,571	1.8	83,474	0.7
Finance, Insur., & Real Estate	JOBS	30,482	-4.0	30,419	-0.6
Services & Miscellaneous	JOBS	120,476	0.5	120,183	-0.2
Hotels	JOBS	18,218	-0.7	18,525	1.1
Government	JOBS	89,524	-0.8	89,630	-3.1
State	JOBS	49,279	-1.8	49,535	-5.6
Federal	JOBS	28,931	-2.0	28,875	0.5
AGRICULTURE WAGES AND SALARIES	JOBS	1,964	-5.6	1,983	0.4
AGRICULTURE SELF-EMPLOYED	JOBS	742	-8.2	758	3.3
NON-AGR. SELF-EMPLOYED	JOBS	20,640	-5.6	20,445	-3.3
TRANS. ACCOM. TAX REVENUES	\$1,000	73,572	22.6	24,555	24.6
GENERAL EXCISE & USE TAX BASE	\$1,000	39,144,000	2.7	10,649,000	4.4
Retailing Tax Base	\$1,000	12,869,000	3.7	3,635,000	8.2
Services Tax Base	\$1,000	4,502,421	0.6	1,154,022	-0.8
Contracting Tax Base	\$1,000	2,600,670	-4.8	698,995	8.8
Hotel Rental Tax Base	\$1,000	1,280,551	6.5	368,805	4.4
Producing Tax Base	\$1,000	303,575	-3.7	80,193	7.4
VISITOR ARRIVALS	PERSONS	4,890,230	4.2	1,294,490	11.7
Westbound Visitors	PERSONS	2,328,140	-2.7	617,790	4.9
Eastbound Visitors	PERSONS	2,562,090	11.4	676,700	18.7
HOTEL OCCUPANCY RATES	%	81.9	1.0 1/	86.7	1.6 1/

Note: 1/ Represents absolute change in rates rather than percentage change in rates.

Source: Hawaii Dept. of Labor & Industrial Relations, Dept. of Taxation, Hawaii Visitors Bureau, and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

Table 3  
**SELECTED ECONOMIC ACTIVITIES: HAWAII COUNTY**

SERIES	UNIT	1995 TOTAL		1st QUARTER 1996	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE	PERSONS	64,295	-2.1	63,875	-0.4
Civilian Employment	PERSONS	57,718	-1.4	58,163	0.8
Civilian Unemployment	PERSONS	6,577	-7.6	5,712	-11.3
UNEMPLOYMENT RATE	%	10.2	-0.6 1/	8.9	-1.1 1/
TOTAL JOBS	JOBS	56,258	-2.2	55,869	-1.2
TOTAL NON-AGR. WAGE & SALARY	JOBS	46,856	-1.0	46,558	-1.5
Contract Construction	JOBS	2,525	-2.0	2,402	-1.2
Manufacturing	JOBS	1,739	-15.8	1,680	-5.2
Trans., Comm., Utilities	JOBS	2,570	-3.0	2,477	-6.1
Trade	JOBS	12,565	1.0	12,152	-4.7
Retail	JOBS	10,879	1.3	10,538	-4.4
Finance, Insur., & Real Estate	JOBS	2,318	-5.1	2,317	0.3
Services & Miscellaneous	JOBS	15,045	0.5	15,409	1.8
Hotels	JOBS	5,571	-0.6	5,916	4.4
Government	JOBS	10,093	-0.8	10,122	-1.2
State	JOBS	7,113	-1.1	7,135	-2.7
Federal	JOBS	885	2.2	881	1.9
AGRICULTURE WAGES AND SALARIES	JOBS	2,483	-15.4	2,517	8.4
AGRICULTURE SELF-EMPLOYED	JOBS	2,325	-1.1	2,215	-0.8
NON-AGR. SELF-EMPLOYED	JOBS	4,594	-6.9	4,579	-3.2
TRANS. ACCOM. TAX REVENUES	\$1,000	8,946	7.1	2,690	17.5
GENERAL EXCISE & USE TAX BASE	\$1,000	2,598,075	6.6	690,464	-0.5
Retailing Tax Base	\$1,000	878,688	5.2	235,850	-2.1
Services Tax Base	\$1,000	383,713	9.6	100,662	12.3
Contracting Tax Base	\$1,000	217,633	-4.0	55,526	14.2
Hotel Rental Tax Base	\$1,000	139,234	12.7	42,985	0.2
Producing Tax Base	\$1,000	102,349	4.1	30,840	-2.0
VISITOR ARRIVALS	PERSONS	1,066,130	-1.3	282,240	-1.2
Westbound Visitors	PERSONS	850,800	-1.8	236,980	0.0
Eastbound Visitors	PERSONS	215,330	0.9	45,260	-6.7
HOTEL OCCUPANCY RATES	%	60.7	-2.8 1/	70.4	2.7 1/

Note: 1/ Represents absolute change in rates rather than percentage change in rates.

Source: Hawaii Dept. of Labor & Industrial Relations, Dept. of Taxation, Hawaii Visitors Bureau, and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

Table 4  
**SELECTED ECONOMIC ACTIVITIES: MAUI COUNTY**

SERIES	UNIT	1995 TOTAL		1st QUARTER 1996	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE	PERSONS	66,222	0.2	66,594	0.8
Civilian Employment	PERSONS	61,387	-0.3	61,989	1.1
Civilian Unemployment	PERSONS	4,835	7.2	4,605	-3.0
UNEMPLOYMENT RATE	%	7.3	0.5 1/	6.9	-0.3 1/
TOTAL JOBS	JOBS	61,559	-1.0	61,152	-1.1
TOTAL NON-AGR. WAGE & SALARY	JOBS	53,910	-0.8	53,626	-1.0
Contract Construction	JOBS	2,022	-17.1	2,084	4.7
Manufacturing	JOBS	1,755	-3.8	1,706	6.9
Trans., Comm., Utilities	JOBS	3,424	0.5	3,507	3.5
Trade	JOBS	15,001	1.7	14,736	-2.5
Retail	JOBS	13,594	1.9	13,342	-2.7
Finance, Insur., & Real Estate	JOBS	2,940	1.5	2,905	-0.4
Services & Miscellaneous	JOBS	21,382	-1.3	21,343	-2.0
Hotels	JOBS	10,954	-3.6	10,955	-2.6
Government	JOBS	7,386	-0.1	7,344	-0.8
State	JOBS	4,977	-0.7	4,972	-2.3
Federal	JOBS	474	1.6	489	5.0
AGRICULTURE WAGES AND SALARIES	JOBS	1,883	-3.1	1,824	-0.1
AGRICULTURE SELF-EMPLOYED	JOBS	438	12.9	390	-2.5
NON-AGR. SELF-EMPLOYED	JOBS	5,328	-2.4	5,312	-1.7
TRANS. ACCOM. TAX REVENUES	\$1,000	19,974	12.2	5,861	20.2
GENERAL EXCISE & USE TAX BASE	\$1,000	2,804,017	-2.7	713,205	2.0
Retailing Tax Base	\$1,000	953,475	-1.3	244,062	2.4
Services Tax Base	\$1,000	332,348	6.5	82,251	0.2
Contracting Tax Base	\$1,000	188,497	-8.1	45,791	-12.1
Hotel Rental Tax Base	\$1,000	302,297	0.3	90,121	33.5
Producing Tax Base	\$1,000	36,475	5.7	8,933	-21.8
VISITOR ARRIVALS	PERSONS	2,291,850	-2.7	583,630	1.7
Westbound Visitors	PERSONS	1,855,740	-2.3	483,920	1.2
Eastbound Visitors	PERSONS	436,110	-4.0	99,710	4.6
HOTEL OCCUPANCY RATES	%	75.6	2.9 1/	81.8	2.0 1/

Note: 1/ Represents absolute change in rates rather than percentage change in rates.

Source: Hawaii Dept. of Labor & Industrial Relations, Dept. of Taxation, Hawaii Visitors Bureau, and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

Table 5  
**SELECTED ECONOMIC ACTIVITIES: KAUAI COUNTY**

SERIES	UNIT	1995 TOTAL		1st QUARTER 1996	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE	PERSONS	28,427	-1.3	28,863	2.7
Civilian Employment	PERSONS	25,169	2.0	25,531	3.6
Civilian Unemployment	PERSONS	3,258	-20.6	3,332	-3.3
UNEMPLOYMENT RATE	%	11.5	-2.8 1/	11.5	-0.8 1/
TOTAL JOBS	JOBS	26,537	1.6	26,303	-0.4
TOTAL NON-AGR. WAGE & SALARY	JOBS	23,505	2.3	23,292	-0.3
Contract Construction	JOBS	1,485	-17.0	1,304	-19.7
Manufacturing	JOBS	520	3.5	519	6.9
Trans., Comm., Utilities	JOBS	1,520	-13.5	1,498	-2.2
Trade	JOBS	6,632	8.0	6,530	-1.1
Retail	JOBS	6,092	9.2	6,017	-0.2
Finance, Insur., & Real Estate	JOBS	1,384	4.7	1,408	3.5
Services & Miscellaneous	JOBS	7,900	7.0	8,046	5.5
Hotels	JOBS	3,135	16.1	3,330	14.8
Government	JOBS	4,064	-0.5	3,988	-3.3
State	JOBS	2,568	-0.7	2,551	-3.8
Federal	JOBS	406	-3.7	395	-2.9
AGRICULTURE WAGES AND SALARIES	JOBS	956	-9.7	973	-0.2
AGRICULTURE SELF-EMPLOYED	JOBS	313	11.9	310	3.2
NON-AGR. SELF-EMPLOYED	JOBS	1,763	-2.3	1,728	-2.7
TRANS. ACCOM. TAX REVENUES	\$1,000	3,127	n/a 2/	1,085	n/a 2/
GENERAL EXCISE & USE TAX BASE	\$1,000	1,029,930	-6.6	271,087	-5.6
Retailing Tax Base	\$1,000	348,420	-3.2	90,532	-2.9
Services Tax Base	\$1,000	132,567	-0.1	35,475	-0.7
Contracting Tax Base	\$1,000	126,711	-19.5	24,235	-27.2
Hotel Rental Tax Base	\$1,000	54,447	40.0	16,129	10.3
Producing Tax Base	\$1,000	15,140	-20.6	4,241	-11.1
VISITOR ARRIVALS	PERSONS	911,020	4.3	225,970	5.8
Westbound Visitors	PERSONS	789,640	8.2	204,340	6.9
Eastbound Visitors	PERSONS	121,380	-15.7	21,630	-4.0
HOTEL OCCUPANCY RATES	%	65.5	-10.5 1/	69.1	4.3 1/

Notes: n/a = not available.

1/ Represents absolute change in rates rather than percentage change in rates.

2/ Tax exemption to providers of transient accommodations located in natural disaster areas sunsetted after 12/31/94 (Act 129, SLH 1993).

Source: Hawaii Dept. of Labor & Industrial Relations, Dept. of Taxation, Hawaii Visitors Bureau, and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

## LABOR FORCE AND JOBS

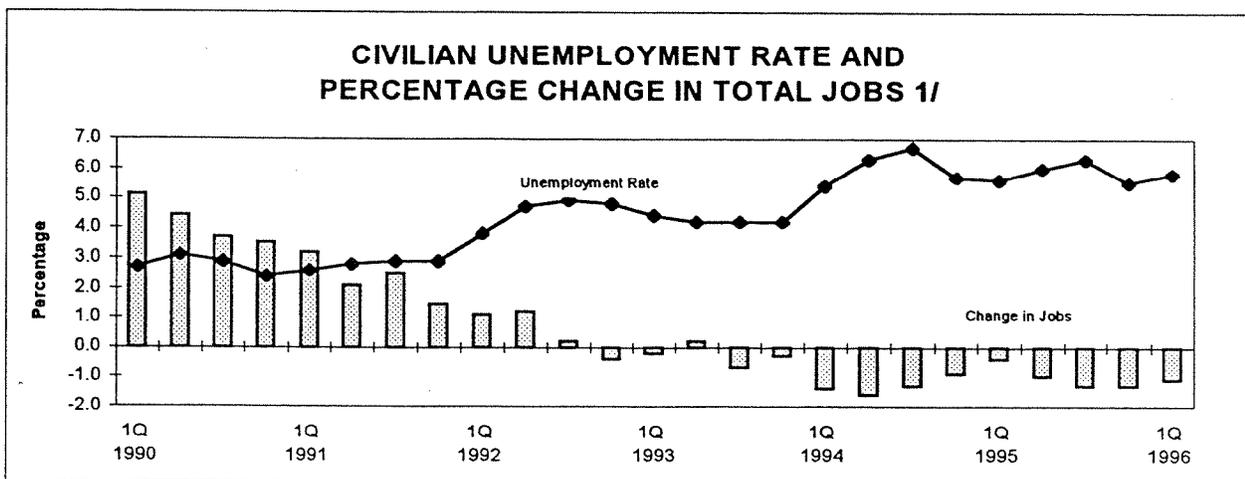
Data from the Hawaii Department of Labor and Industrial Relations (DLIR) is sending mixed messages about Hawaii's labor market. On the one hand, the number of employed persons increased 1.1 percent from the first quarter of 1995 to the first quarter of 1996 (table A-2). This was the first quarter of growth in excess of 1.0 percent since 1993. On the other hand, the total number of jobs actually declined 1.1 percent during that same period, continuing the slow loss of jobs in the economy since 1993 (table A-5). The first set of data is based on a household survey, employers' reports to the state, and state unemployment insurance reports. The second set of data is compiled from an industry survey. Because of measurement errors in the two data sets, some discrepancies will always exist. Although this data are preliminary and subject to change, the two trends may indicate that the number of people holding more than one job has decreased.

Construction jobs experienced a 6.4 percent decline since the first quarter of 1995 (table A-7). This is the slowest rate of decline since 1993. Manufacturing job losses

have also slowed. The first quarter of 1996 showed only a 1.0 percent decline, the slowest rate of quarterly job loss since the first quarter of 1989 (table A-8).

Retail and wholesale jobs also fell in the first quarter relative to the year earlier. Retail jobs decreased 0.3 percent since the first quarter of 1995 (table A-12). This is somewhat troubling since retail jobs have been increasing since the third quarter of 1994. Wholesale jobs declined 1.2 percent during the same time frame (table A-13). State government jobs also fell from 67,500 during the first quarter of 1995 to 64,200 during the first quarter of 1996 (table A-18). This was the third consecutive quarter of decline in state government jobs since 1973.

The unemployment rate averaged 5.8 percent in the first quarter of 1996, an absolute increase of 0.2 percent from the first quarter of 1995 (table A-4). This was mainly due to the 1.2 percent increase in the labor force during the first three months of 1996 relative to the same period last year (table A-1). This was the first quarterly increase in the labor force since the second quarter of 1993.



Note: 1/Percentage change in total jobs from same period one year ago.  
Source: Data compiled from Tables A-4 (Civilian Unemployment Rate) and A-5 (Total Jobs).

Table A-1  
**CIVILIAN LABOR FORCE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<i>In Thousands of Persons</i>					
1980	432.0	438.0	442.7	443.3	439.0
1981	449.1	451.0	451.3	452.6	451.0
1982	455.3	461.3	463.7	463.7	461.0
1983	469.0	474.0	472.8	472.2	472.0
1984	471.8	473.6	470.7	471.8	472.0
1985	475.3	477.2	478.5	485.0	479.0
1986	485.3	488.8	493.9	499.9	492.0
1987	505.9	513.0	516.2	520.8	514.0
1988	515.4	519.4	519.0	518.2	518.0
1989	519.4	526.7	521.9	528.0	524.0
1990	532.0	539.8	544.6	551.6	542.0
1991	568.7	573.0	576.1	577.1	573.7
1992	579.2	582.9	585.4	588.7	584.1
1993	587.0	588.0	585.1	583.8	586.0
1994	584.3	584.2	582.7	580.4	582.9
1995	578.1	582.6	580.1	578.3	579.8
1996	585.2	n/a	n/a	n/a	n/a
<i>Percentage Change from the Same Period in Previous Year</i>					
1980	3.3	3.9	5.1	4.7	4.3
1981	4.0	3.0	1.9	2.1	2.7
1982	1.4	2.3	2.7	2.5	2.2
1983	3.0	2.7	2.0	1.8	2.4
1984	0.6	-0.1	-0.4	-0.1	0.0
1985	0.7	0.7	1.6	2.8	1.5
1986	2.1	2.4	3.2	3.1	2.7
1987	4.3	4.9	4.5	4.2	4.5
1988	1.9	1.3	0.5	-0.5	0.8
1989	0.8	1.4	0.6	1.9	1.2
1990	2.4	2.5	4.4	4.5	3.4
1991	6.9	6.2	5.8	4.6	5.9
1992	1.8	1.7	1.6	2.0	1.8
1993	1.3	0.9	-0.1	-0.8	0.3
1994	-0.5	-0.7	-0.4	-0.6	-0.5
1995	-1.1	-0.3	-0.4	-0.4	-0.5
1996	1.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-2  
**CIVILIAN EMPLOYMENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	411.7	417.2	420.2	422.9	418.0
1981	426.4	427.2	427.4	427.1	427.0
1982	426.9	427.8	429.9	435.4	430.0
1983	438.6	440.0	444.1	445.3	442.0
1984	446.1	447.0	442.9	444.0	445.0
1985	449.2	450.4	449.8	458.6	452.0
1986	461.8	464.8	468.2	477.2	468.0
1987	484.2	492.2	494.7	504.9	494.0
1988	500.7	501.3	502.3	503.8	502.0
1989	505.2	512.2	511.8	514.8	511.0
1990	517.3	523.1	529.1	538.5	527.0
1991	553.9	557.1	559.4	560.6	557.8
1992	557.4	555.7	556.3	560.4	557.4
1993	560.6	563.0	560.6	559.4	560.9
1994	551.8	547.3	543.7	547.5	547.6
1995	545.5	547.7	543.6	546.5	545.8
1996	551.5	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	5.6	6.3	5.6	5.8	5.8
1981	3.6	2.4	1.7	1.0	2.2
1982	0.1	0.2	0.6	2.0	0.7
1983	2.7	2.8	3.3	2.3	2.8
1984	1.7	1.6	-0.3	-0.3	0.7
1985	0.7	0.8	1.6	3.3	1.6
1986	2.8	3.2	4.1	4.1	3.5
1987	4.9	5.9	5.7	5.8	5.6
1988	3.4	1.9	1.5	-0.2	1.6
1989	0.9	2.2	1.9	2.2	1.8
1990	2.4	2.1	3.4	4.6	3.1
1991	7.1	6.5	5.7	4.1	5.8
1992	0.6	-0.3	-0.6	0.0	-0.1
1993	0.6	1.3	0.8	-0.2	0.6
1994	-1.6	-2.8	-3.0	-2.1	-2.4
1995	-1.1	0.1	0.0	-0.2	-0.3
1996	1.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-3  
**CIVILIAN UNEMPLOYMENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	20.3	20.8	22.5	20.4	21.0
1981	22.8	23.8	24.0	25.5	24.0
1982	28.4	33.5	33.9	28.2	31.0
1983	30.5	33.9	28.7	26.9	30.0
1984	25.7	26.6	27.8	27.8	27.0
1985	26.1	26.8	28.7	26.4	27.0
1986	23.5	24.1	25.7	22.7	24.0
1987	21.7	20.8	21.6	15.9	20.0
1988	14.7	18.1	16.7	14.4	16.0
1989	14.2	14.5	10.1	13.3	13.0
1990	14.7	16.7	15.6	13.1	15.0
1991	14.8	15.9	16.7	16.5	16.0
1992	21.8	27.3	29.1	28.3	26.6
1993	26.4	25.0	24.5	24.4	25.1
1994	32.5	36.9	39.0	32.9	35.3
1995	32.6	34.9	36.6	31.8	34.0
1996	33.7	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	-28.0	-27.7	-4.0	-13.6	-19.2
1981	12.2	14.6	6.4	24.7	14.3
1982	24.9	40.6	41.2	10.9	29.2
1983	7.2	1.4	-15.2	-4.8	-3.2
1984	-15.5	-21.6	-3.0	3.4	-10.0
1985	1.4	0.7	3.0	-5.0	0.0
1986	-10.1	-10.2	-10.2	-14.0	-11.1
1987	-7.6	-13.4	-16.2	-30.0	-16.7
1988	-32.1	-13.0	-22.6	-9.2	-20.0
1989	-3.8	-20.3	-39.7	-7.9	-18.8
1990	3.4	15.2	54.4	-1.2	15.4
1991	0.9	-4.4	7.3	25.8	6.5
1992	47.7	71.4	74.3	71.4	66.7
1993	21.0	-8.4	-15.9	-13.7	-5.8
1994	23.1	47.5	59.3	34.8	40.8
1995	0.4	-5.3	-6.2	-3.3	-3.8
1996	3.3	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-4  
**CIVILIAN UNEMPLOYMENT RATE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Percent of the Civilian Labor Force					
1980	4.7	4.8	5.1	4.6	4.8
1981	5.1	5.3	5.3	5.6	5.3
1982	6.3	7.3	7.3	6.1	6.7
1983	6.5	7.2	6.1	5.7	6.3
1984	5.5	5.6	5.9	5.9	5.7
1985	5.5	5.6	6.0	5.4	5.6
1986	4.9	4.9	5.2	4.6	4.9
1987	4.3	4.0	4.2	3.0	3.9
1988	2.9	3.5	3.2	2.8	3.1
1989	2.7	2.7	1.9	2.5	2.5
1990	2.7	3.1	2.9	2.4	2.8
1991	2.6	2.8	2.9	2.9	2.8
1992	3.8	4.7	4.9	4.8	4.5
1993	4.5	4.2	4.2	4.2	4.3
1994	5.6	6.3	6.7	5.7	6.1
1995	5.6	6.0	6.3	5.5	5.8
1996	5.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-5  
**TOTAL JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	445.3	449.3	449.9	448.7	448.3
1981	449.6	452.3	450.8	446.8	449.9
1982	445.8	447.8	446.0	444.5	446.0
1983	449.5	452.0	457.2	456.3	453.7
1984	456.4	463.5	460.5	463.9	461.1
1985	465.9	470.4	475.1	481.3	473.2
1986	478.7	483.8	489.0	495.9	486.8
1987	491.6	504.0	508.0	516.2	504.9
1988	514.3	524.4	524.9	534.3	524.5
1989	539.2	550.0	552.4	566.5	552.0
1990	566.5	573.9	572.7	586.4	574.9
1991	584.8	586.2	586.8	595.2	588.2
1992	591.1	593.1	587.9	592.8	591.2
1993	589.9	594.1	584.0	590.9	589.7
1994	581.8	584.5	576.7	585.5	582.1
1995	579.3	578.5	569.0	577.6	576.1
1996	573.1	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	4.1	3.5	2.5	2.8	3.3
1981	1.0	0.7	0.2	-0.4	0.3
1982	-0.9	-1.0	-1.1	-0.5	-0.9
1983	0.8	0.9	2.5	2.7	1.7
1984	1.5	2.6	0.7	1.7	1.6
1985	2.1	1.5	3.2	3.8	2.6
1986	2.8	2.8	2.9	3.0	2.9
1987	2.7	4.2	3.9	4.1	3.7
1988	4.6	4.1	3.3	3.5	3.9
1989	4.9	4.9	5.2	6.0	5.3
1990	5.1	4.4	3.7	3.5	4.1
1991	3.2	2.1	2.5	1.5	2.3
1992	1.1	1.2	0.2	-0.4	0.5
1993	-0.2	0.2	-0.7	-0.3	-0.3
1994	-1.4	-1.6	-1.3	-0.9	-1.3
1995	-0.4	-1.0	-1.3	-1.3	-1.0
1996	-1.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-6

**NON-AGRICULTURAL WAGE AND SALARY JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	403.1	406.2	403.0	404.1	404.1
1981	406.3	406.9	403.4	402.7	404.8
1982	400.8	401.3	397.4	398.1	399.4
1983	403.6	403.4	407.4	410.5	406.2
1984	409.9	414.7	410.3	415.7	412.7
1985	420.0	423.7	426.9	432.4	425.7
1986	432.8	435.8	438.2	447.5	438.6
1987	451.9	459.0	458.4	470.5	460.0
1988	470.4	476.9	476.8	488.2	478.1
1989	495.4	503.1	504.0	519.3	505.5
1990	520.0	528.6	525.7	539.2	528.4
1991	537.9	537.3	536.1	545.2	539.1
1992	543.1	544.7	538.7	544.7	542.8
1993	540.1	543.4	532.3	539.8	538.9
1994	535.5	538.0	530.5	540.7	536.2
1995	535.5	535.8	525.4	534.0	532.7
1996	530.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	3.3	2.9	1.6	2.5	2.6
1981	0.8	0.2	0.1	-0.3	0.2
1982	-1.4	-1.4	-1.5	-1.1	-1.3
1983	0.7	0.5	2.5	3.1	1.7
1984	1.6	2.8	0.7	1.3	1.6
1985	2.4	2.2	4.0	4.0	3.2
1986	3.1	2.9	2.6	3.5	3.0
1987	4.4	5.3	4.6	5.2	4.9
1988	4.1	3.9	4.0	3.8	3.9
1989	5.3	5.5	5.7	6.4	5.7
1990	5.0	5.1	4.3	3.8	4.5
1991	3.4	1.6	2.0	1.1	2.0
1992	1.0	1.4	0.5	-0.1	0.7
1993	-0.6	-0.2	-1.2	-0.9	-0.7
1994	-0.9	-1.0	-0.3	0.2	-0.5
1995	0.0	-0.4	-1.0	-1.2	-0.7
1996	-1.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-7  
**CONSTRUCTION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	25.0	24.7	23.1	23.0	23.9
1981	23.0	22.3	21.8	20.5	21.9
1982	19.0	18.1	17.4	16.9	17.8
1983	18.1	17.8	17.9	17.5	17.8
1984	17.0	16.9	15.7	13.5	15.8
1985	16.0	17.0	17.9	17.8	17.2
1986	17.4	17.6	19.4	20.2	18.6
1987	20.6	21.2	21.5	21.5	21.2
1988	21.7	23.0	24.0	24.9	23.4
1989	26.5	28.6	30.2	31.5	29.2
1990	30.9	31.4	32.9	34.0	32.3
1991	33.4	33.8	34.0	33.0	33.5
1992	31.2	31.0	31.3	32.6	31.5
1993	32.7	32.7	32.5	31.5	32.3
1994	29.5	29.3	29.5	28.4	29.2
1995	26.5	26.2	26.5	26.4	26.4
1996	24.8	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	11.5	8.0	-4.2	-4.9	2.4
1981	-7.9	-9.9	-5.4	-11.0	-8.6
1982	-17.5	-18.8	-20.2	-17.4	-18.5
1983	-4.6	-1.7	2.8	3.5	-0.1
1984	-6.3	-4.8	-12.4	-22.7	-11.5
1985	-5.7	0.1	14.0	31.9	8.8
1986	8.7	3.5	8.4	13.2	8.5
1987	18.6	20.9	10.9	6.4	13.8
1988	5.1	8.5	11.6	15.9	10.4
1989	22.4	24.3	25.6	26.5	24.8
1990	16.6	9.9	9.2	7.8	10.7
1991	8.2	7.5	3.1	-3.0	3.8
1992	-6.7	-8.2	-7.7	-1.2	-6.0
1993	4.8	5.3	3.7	-3.3	2.6
1994	-9.9	-10.4	-9.1	-9.7	-9.8
1995	-10.0	-10.6	-10.1	-7.1	-9.5
1996	-6.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-8  
**MANUFACTURING JOBS**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Thousands of Persons					
1980	23.0	23.5	24.6	22.2	23.3
1981	22.4	23.8	23.9	21.8	23.0
1982	21.6	22.8	23.7	21.6	22.4
1983	22.0	22.3	23.5	21.7	22.4
1984	21.5	22.0	22.5	21.5	21.9
1985	21.4	22.0	22.4	22.0	21.9
1986	21.7	22.3	22.3	21.8	22.0
1987	21.8	21.9	22.0	21.8	21.9
1988	21.8	22.2	22.2	21.7	22.0
1989	21.6	21.4	21.6	21.4	21.5
1990	21.1	21.0	21.1	21.0	21.1
1991	20.6	20.4	20.6	20.3	20.5
1992	19.7	19.6	20.0	19.4	19.7
1993	19.3	19.2	19.3	18.7	19.1
1994	17.8	18.0	17.9	17.4	17.8
1995	16.8	16.9	17.1	16.9	16.9
1996	16.6	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-0.7	-2.2	-4.3	-2.2	-2.4
1981	-2.5	1.2	-2.6	-2.1	-1.5
1982	-3.6	-4.2	-1.0	-0.7	-2.4
1983	1.9	-2.4	-0.8	0.3	-0.3
1984	-2.1	-1.3	-4.1	-0.9	-2.1
1985	-0.7	-0.1	-0.6	2.2	0.2
1986	1.7	1.7	-0.4	-0.8	0.5
1987	0.3	-2.0	-1.2	0.1	-0.7
1988	-0.3	1.4	0.8	-0.4	0.4
1989	-0.7	-3.6	-2.9	-1.6	-2.2
1990	-2.4	-1.9	-2.0	-1.8	-2.0
1991	-2.5	-3.1	-2.5	-3.3	-2.8
1992	-4.4	-3.6	-3.0	-4.4	-3.8
1993	-2.0	-2.0	-3.3	-3.4	-2.7
1994	-7.5	-6.6	-7.7	-7.2	-7.3
1995	-5.9	-6.1	-4.0	-2.5	-4.7
1996	-1.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-9

**TRANSPORTATION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	21.4	21.4	21.4	21.8	21.5
1981	21.3	21.9	22.3	22.0	21.9
1982	21.3	21.4	21.1	20.9	21.2
1983	20.8	20.9	21.3	21.5	21.1
1984	21.5	22.0	22.3	22.6	22.1
1985	22.8	23.4	23.5	23.9	23.4
1986	24.1	24.4	24.5	25.1	24.5
1987	26.0	26.8	27.2	27.6	26.9
1988	27.5	27.8	27.7	28.1	27.8
1989	29.0	29.7	29.9	30.9	29.9
1990	30.8	31.4	31.9	33.2	31.8
1991	32.7	32.4	33.0	33.3	32.8
1992	32.9	33.0	33.1	32.6	32.9
1993	31.5	31.4	31.2	31.1	31.3
1994	31.9	32.3	31.6	31.7	31.9
1995	30.6	30.8	30.6	30.9	30.7
1996	30.8	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	1.1	1.5	1.6	1.7	1.5
1981	-0.7	2.6	4.1	1.2	1.8
1982	-0.1	-2.5	-5.3	-5.0	-3.3
1983	-2.0	-2.5	1.1	2.6	-0.2
1984	3.1	5.3	4.6	5.4	4.6
1985	6.0	6.6	5.4	5.4	5.8
1986	5.8	4.1	4.4	5.4	4.9
1987	8.0	9.8	11.0	9.8	9.7
1988	5.5	3.8	1.9	1.7	3.2
1989	5.6	6.9	7.6	10.1	7.6
1990	6.4	5.6	7.0	7.3	6.6
1991	6.1	3.3	3.2	0.2	3.1
1992	0.4	1.9	0.3	-1.9	0.2
1993	-4.1	-4.9	-5.6	-4.6	-4.8
1994	1.1	2.6	1.3	1.9	1.8
1995	-4.0	-4.6	-3.4	-2.7	-3.7
1996	0.6	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-10  
**COMMUNICATION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	7.0	7.1	7.2	7.2	7.1
1981	7.3	7.4	7.5	7.4	7.4
1982	7.5	7.4	7.5	7.5	7.5
1983	7.5	7.5	7.5	7.5	7.5
1984	7.5	7.6	7.4	7.4	7.5
1985	7.4	7.3	7.3	7.3	7.3
1986	7.1	7.1	7.1	7.1	7.1
1987	7.2	7.3	7.2	7.4	7.3
1988	7.6	7.5	7.5	7.6	7.6
1989	7.3	7.3	7.3	7.3	7.3
1990	7.3	7.4	7.4	7.4	7.4
1991	7.5	7.4	7.3	7.2	7.4
1992	7.0	7.0	6.9	6.8	6.9
1993	6.7	6.5	6.3	6.2	6.4
1994	6.3	6.2	6.2	6.3	6.3
1995	6.2	6.2	6.3	6.2	6.2
1996	6.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	6.0	5.6	5.1	4.9	5.4
1981	5.0	4.5	4.0	1.6	3.8
1982	2.2	0.1	0.5	1.9	1.2
1983	0.6	1.7	0.1	0.0	0.6
1984	-0.2	0.1	-1.1	-1.0	-0.6
1985	-1.3	-3.1	-1.4	-2.2	-2.0
1986	-4.8	-2.6	-3.3	-2.1	-3.2
1987	1.7	2.7	1.3	3.9	2.4
1988	6.3	2.8	4.5	2.2	3.9
1989	-4.6	-3.2	-2.7	-2.8	-3.3
1990	0.2	1.8	1.5	1.2	1.2
1991	2.6	-0.1	-1.3	-3.0	-0.4
1992	-6.9	-5.4	-6.1	-5.5	-6.0
1993	-3.4	-7.6	-8.4	-9.2	-7.1
1994	-5.8	-4.2	-1.9	2.2	-2.5
1995	-3.0	0.7	2.1	-1.4	-0.4
1996	0.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-11  
**UTILITIES JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	2.5	2.6	2.6	2.6	2.6
1981	2.6	2.6	2.6	2.6	2.6
1982	2.6	2.6	2.6	2.5	2.6
1983	2.4	2.4	2.4	2.4	2.4
1984	2.4	2.4	2.4	2.4	2.4
1985	2.4	2.5	2.5	2.5	2.5
1986	2.4	2.6	2.6	2.6	2.6
1987	2.6	2.6	2.7	2.7	2.6
1988	2.6	2.6	2.7	2.7	2.7
1989	2.7	2.8	2.8	2.8	2.8
1990	3.0	3.0	3.0	3.0	3.0
1991	3.0	3.1	3.1	3.2	3.1
1992	3.3	3.4	3.5	3.5	3.4
1993	3.5	3.6	3.6	3.6	3.5
1994	3.6	3.6	3.7	3.7	3.7
1995	3.7	3.8	3.8	3.8	3.8
1996	3.7	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	1.5	1.5	0.9	3.1	1.8
1981	1.4	0.8	2.7	1.5	1.6
1982	0.9	-1.4	-2.5	-3.5	-1.6
1983	-6.7	-5.2	-4.5	-3.5	-5.0
1984	-1.9	-1.0	-2.1	-2.0	-1.8
1985	1.7	2.5	4.2	3.9	3.1
1986	0.3	4.3	4.9	5.3	3.7
1987	6.7	2.7	2.3	1.3	3.2
1988	1.7	-0.1	1.4	1.8	1.2
1989	2.5	5.3	4.3	4.7	4.2
1990	9.9	9.2	7.2	4.2	7.6
1991	2.0	1.6	4.1	7.8	3.9
1992	9.7	9.8	10.1	9.7	9.8
1993	5.2	4.7	3.2	2.1	3.8
1994	3.0	2.4	2.0	4.7	3.0
1995	3.2	3.5	3.4	0.9	2.7
1996	0.6	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-12  
**RETAIL TRADE JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	86.2	86.0	87.0	87.5	86.7
1981	86.7	86.0	86.8	87.4	86.7
1982	86.5	86.3	86.3	86.2	86.3
1983	87.1	86.5	89.4	90.7	88.5
1984	89.8	91.4	92.8	95.8	92.4
1985	95.1	95.9	96.1	97.3	96.1
1986	96.6	96.5	99.3	101.2	98.4
1987	100.8	102.4	103.9	106.4	103.4
1988	104.7	106.8	107.0	108.5	106.7
1989	109.0	110.1	110.6	113.3	110.7
1990	112.0	113.0	113.7	115.2	113.5
1991	113.8	112.5	114.3	114.3	113.7
1992	113.6	113.2	113.7	112.4	113.2
1993	110.0	110.7	111.2	112.4	111.1
1994	110.3	110.1	111.8	114.9	111.8
1995	113.7	113.2	114.6	115.0	114.1
1996	113.4	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	2.2	2.1	2.4	3.0	2.4
1981	0.6	0.0	-0.2	-0.1	0.1
1982	-0.2	0.3	-0.6	-1.4	-0.5
1983	0.7	0.2	3.7	5.3	2.5
1984	3.0	5.6	3.8	5.5	4.5
1985	5.9	4.9	3.5	1.6	3.9
1986	1.5	0.6	3.4	4.0	2.4
1987	4.4	6.2	4.6	5.0	5.1
1988	3.9	4.3	2.9	2.0	3.3
1989	4.1	3.0	3.3	4.4	3.7
1990	2.7	2.7	2.8	1.7	2.5
1991	1.6	-0.4	0.5	-0.8	0.2
1992	-0.1	0.6	-0.5	-1.6	-0.4
1993	-3.2	-2.2	-2.2	0.0	-1.9
1994	0.3	-0.6	0.5	2.2	0.6
1995	3.0	2.8	2.6	0.1	2.1
1996	-0.3	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-13  
**WHOLESALE TRADE JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	18.5	18.7	18.7	18.5	18.6
1981	18.6	18.6	18.8	18.8	18.7
1982	18.8	18.7	18.5	18.1	18.5
1983	18.3	18.2	18.4	18.7	18.4
1984	18.7	19.0	19.0	19.1	19.0
1985	19.2	19.5	19.8	19.7	19.6
1986	19.1	19.4	19.7	19.9	19.5
1987	20.0	20.4	20.5	20.7	20.4
1988	20.2	20.5	21.1	21.1	20.7
1989	21.5	21.9	21.9	22.2	21.9
1990	21.9	22.3	22.8	22.9	22.5
1991	22.7	22.6	22.7	22.9	22.7
1992	22.7	22.6	22.4	22.4	22.5
1993	21.9	22.1	21.9	21.8	21.9
1994	21.5	21.5	21.6	21.5	21.5
1995	21.6	21.5	21.5	21.5	21.5
1996	21.3	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	3.3	2.8	1.4	-0.5	1.7
1981	0.4	-0.5	0.5	1.7	0.5
1982	1.0	0.7	-1.6	-3.8	-1.0
1983	-2.7	-2.9	-0.2	3.2	-0.7
1984	2.3	4.6	3.1	2.2	3.1
1985	2.9	2.6	4.1	3.1	3.2
1986	-0.6	-0.7	-0.3	1.4	0.0
1987	4.4	5.0	3.8	3.8	4.2
1988	1.0	0.8	3.0	2.0	1.7
1989	6.3	6.5	4.0	5.0	5.4
1990	2.2	2.0	4.1	3.5	3.0
1991	3.5	1.3	-0.6	0.0	1.0
1992	-0.1	0.0	-1.4	-2.2	-0.9
1993	-3.2	-2.1	-2.2	-2.8	-2.6
1994	-1.9	-2.6	-1.5	-1.4	-1.9
1995	0.3	-0.2	-0.4	-0.2	-0.1
1996	-1.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-14

**FINANCE, INSURANCE AND REAL ESTATE JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	33.4	32.8	32.7	32.4	32.8
1981	31.7	31.7	31.9	31.5	31.7
1982	32.0	31.7	31.3	31.2	31.5
1983	31.7	31.7	32.2	32.0	31.9
1984	31.9	31.9	31.9	31.7	31.9
1985	31.5	31.9	32.0	32.2	31.9
1986	32.6	32.8	33.4	33.8	33.2
1987	33.5	33.8	33.8	33.8	33.7
1988	34.0	34.3	34.6	34.8	34.4
1989	34.7	34.9	35.2	36.2	35.2
1990	35.9	36.8	37.3	37.3	36.8
1991	37.2	37.3	37.5	37.5	37.4
1992	37.2	37.7	38.3	38.6	37.9
1993	38.3	38.8	39.5	39.2	38.9
1994	38.7	38.6	38.5	37.9	38.4
1995	37.2	37.0	37.1	37.2	37.1
1996	37.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	11.0	5.9	1.5	-0.5	4.3
1981	-5.0	-3.4	-2.5	-2.8	-3.4
1982	0.8	-0.2	-2.0	-1.1	-0.6
1983	-0.9	0.1	2.9	2.7	1.2
1984	0.9	0.7	-1.0	-1.1	-0.1
1985	-1.5	-0.1	0.5	1.7	0.2
1986	3.6	2.7	4.4	5.0	3.9
1987	2.8	3.1	1.1	-0.1	1.7
1988	1.6	1.5	2.4	3.1	2.2
1989	1.9	1.9	1.6	3.9	2.3
1990	3.6	5.3	5.9	3.0	4.5
1991	3.7	1.3	0.6	0.6	1.5
1992	-0.2	1.3	2.0	2.8	1.5
1993	3.0	2.8	3.3	1.6	2.7
1994	1.1	-0.6	-2.6	-3.3	-1.4
1995	-3.9	-4.1	-3.5	-1.9	-3.4
1996	-0.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-15  
**SERVICES AND MISCELLANEOUS JOBS**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Thousands of Persons					
1980	97.4	98.5	98.4	99.4	98.5
1981	103.3	102.7	100.6	101.0	101.9
1982	102.1	100.9	100.5	101.4	101.2
1983	104.0	103.8	105.7	106.4	104.9
1984	107.5	108.7	107.1	108.5	107.9
1985	110.7	110.5	113.7	115.6	112.6
1986	117.3	118.4	118.8	120.4	118.7
1987	123.6	125.2	126.8	130.5	126.5
1988	130.8	131.3	133.6	137.3	133.3
1989	141.5	143.4	146.6	150.0	145.4
1990	152.4	153.3	154.9	157.0	154.4
1991	157.4	157.1	160.2	161.7	159.1
1992	162.9	163.1	164.8	163.4	163.6
1993	163.1	163.1	161.9	162.1	162.6
1994	162.6	163.4	164.2	165.3	163.9
1995	165.0	164.6	164.1	165.5	164.8
1996	165.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	1.9	3.5	3.9	3.7	3.2
1981	6.0	4.3	2.2	1.6	3.5
1982	-1.2	-1.7	-0.1	0.4	-0.7
1983	1.9	2.8	5.2	4.9	3.7
1984	3.5	4.7	1.4	2.0	2.9
1985	2.9	1.7	6.2	6.6	4.3
1986	6.0	7.1	4.5	4.1	5.4
1987	5.4	5.7	6.7	8.4	6.6
1988	5.8	4.9	5.4	5.2	5.3
1989	8.2	9.2	9.7	9.3	9.1
1990	7.7	6.9	5.6	4.6	6.2
1991	3.3	2.5	3.4	3.0	3.1
1992	3.5	3.8	2.9	1.0	2.8
1993	0.1	0.0	-1.8	-0.8	-0.6
1994	-0.3	0.2	1.4	2.0	0.8
1995	1.5	0.7	-0.1	0.1	0.6
1996	0.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-16  
HOTEL JOBS

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Thousands of Persons					
1980	24.8	25.2	24.7	25.0	24.9
1981	24.9	24.5	24.6	25.1	24.8
1982	26.7	26.7	26.3	26.4	26.5
1983	26.6	27.0	27.1	27.3	27.0
1984	28.2	28.4	27.9	28.5	28.3
1985	29.4	28.9	28.8	28.9	29.0
1986	29.1	29.2	29.6	29.2	29.2
1987	30.5	30.5	31.2	32.8	31.3
1988	33.7	33.5	34.4	35.7	34.3
1989	36.8	36.7	37.1	37.5	37.0
1990	37.6	38.5	38.8	40.2	38.8
1991	40.5	39.8	41.3	41.5	40.8
1992	41.5	41.3	40.8	40.2	41.0
1993	38.6	38.1	37.7	37.6	38.0
1994	37.7	37.9	38.1	38.3	38.0
1995	38.1	37.5	37.7	38.1	37.9
1996	38.7	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-0.7	5.4	4.3	4.2	3.3
1981	0.7	-2.6	-0.1	0.2	-0.4
1982	7.0	8.7	6.7	5.4	7.0
1983	-0.2	1.2	3.2	3.5	1.9
1984	6.1	5.3	2.8	4.2	4.6
1985	4.1	1.5	3.0	1.5	2.5
1986	-1.0	1.0	2.8	0.8	0.9
1987	4.8	4.7	5.5	12.5	6.9
1988	10.3	9.9	10.1	9.0	9.8
1989	9.4	9.3	8.0	4.9	7.9
1990	2.0	5.0	4.6	7.2	4.7
1991	7.8	3.5	6.4	3.4	5.2
1992	2.4	3.8	-1.2	-3.2	0.4
1993	-6.8	-7.9	-7.7	-6.6	-7.3
1994	-2.4	-0.6	1.2	2.1	0.1
1995	1.1	-1.0	-1.0	-0.5	-0.4
1996	1.6	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-17  
**FEDERAL GOVERNMENT JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	29.5	30.4	30.1	29.9	30.0
1981	29.9	30.2	30.5	30.9	30.4
1982	30.9	31.5	31.7	32.0	31.5
1983	32.1	32.2	32.1	32.1	32.1
1984	31.7	32.0	32.2	32.6	32.1
1985	32.3	32.3	32.4	32.5	32.4
1986	32.1	32.0	32.0	32.2	32.1
1987	32.0	32.7	32.9	33.4	32.8
1988	33.8	33.7	33.8	34.1	33.8
1989	33.8	33.9	34.0	34.2	34.0
1990	33.9	35.0	34.1	33.7	34.1
1991	33.4	33.5	34.4	34.1	33.9
1992	33.7	33.5	33.0	32.9	33.3
1993	31.8	32.0	31.9	31.7	31.8
1994	31.3	31.6	31.2	30.9	31.3
1995	30.5	30.8	30.8	30.7	30.7
1996	30.6	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	-0.1	2.5	1.5	-0.2	0.9
1981	1.3	-0.8	1.2	3.4	1.3
1982	3.3	4.5	3.9	3.5	3.8
1983	3.9	2.3	1.3	0.1	1.9
1984	-1.0	-0.9	0.3	1.6	0.0
1985	1.7	1.2	0.7	-0.3	0.8
1986	-0.4	-1.0	-1.3	-0.8	-0.9
1987	-0.3	2.2	3.0	3.6	2.1
1988	5.4	2.9	2.5	2.0	3.2
1989	0.2	0.7	0.6	0.4	0.5
1990	0.1	3.1	0.2	-1.5	0.5
1991	-1.3	-4.2	1.1	1.3	-0.8
1992	0.7	0.0	-4.0	-3.6	-1.8
1993	-5.6	-4.5	-3.6	-3.7	-4.3
1994	-1.4	-1.3	-2.0	-2.3	-1.7
1995	-2.7	-2.4	-1.3	-0.8	-1.8
1996	0.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-18

**STATE GOVERNMENT JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	46.1	47.1	41.2	46.3	45.2
1981	46.6	47.1	41.1	46.3	45.3
1982	46.4	47.3	41.8	47.0	45.6
1983	47.2	47.6	41.4	47.4	45.9
1984	47.8	48.2	42.3	47.8	46.5
1985	48.5	48.8	43.3	48.9	47.4
1986	49.8	50.2	44.5	50.0	48.6
1987	50.9	51.7	45.5	51.4	49.9
1988	52.4	53.5	47.8	53.7	51.8
1989	54.3	55.3	49.0	55.6	53.5
1990	56.9	59.9	51.3	60.2	57.1
1991	61.8	62.8	53.4	63.0	60.3
1992	64.4	65.7	55.5	64.8	62.6
1993	66.0	68.0	56.8	66.1	64.2
1994	66.5	68.2	58.0	67.3	65.0
1995	67.5	68.6	55.8	63.8	63.9
1996	64.2	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	5.3	3.1	0.8	8.0	4.3
1981	1.2	-0.2	-0.2	0.1	0.2
1982	-0.4	0.5	1.7	1.5	0.8
1983	1.5	0.5	-0.8	0.8	0.6
1984	1.4	1.4	2.2	0.9	1.4
1985	1.5	1.3	2.4	2.3	1.8
1986	2.6	2.7	2.8	2.3	2.6
1987	2.3	3.1	2.1	2.8	2.6
1988	2.8	3.4	5.1	4.6	3.9
1989	3.6	3.4	2.5	3.5	3.3
1990	4.8	8.3	4.8	8.1	6.6
1991	8.6	4.9	4.1	4.7	5.6
1992	4.2	4.5	3.9	2.8	3.8
1993	2.6	3.6	2.3	2.0	2.7
1994	0.7	0.2	2.2	1.8	1.2
1995	1.6	0.7	-3.9	-5.2	-1.6
1996	-4.9	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-19  
**LOCAL GOVERNMENT JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	13.2	13.2	16.1	13.1	13.9
1981	12.9	12.5	15.6	12.4	13.4
1982	12.2	12.5	15.2	12.7	13.2
1983	12.4	12.6	15.5	12.6	13.3
1984	12.5	12.7	14.7	12.9	13.2
1985	12.7	12.6	16.0	12.7	13.5
1986	12.6	12.7	14.4	12.9	13.1
1987	12.8	13.0	14.5	13.4	13.4
1988	13.4	13.5	14.8	13.7	13.9
1989	13.6	13.8	15.1	13.9	14.1
1990	13.9	14.1	15.2	14.4	14.4
1991	14.3	14.5	15.6	14.7	14.8
1992	14.7	14.9	16.2	15.3	15.3
1993	15.2	15.3	16.2	15.4	15.5
1994	15.4	15.4	16.3	15.4	15.6
1995	16.2	16.2	17.1	16.2	16.4
1996	16.3	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	-0.9	-0.7	1.7	13.3	2.9
1981	-2.3	-5.3	-3.3	-5.2	-4.0
1982	-4.9	-0.1	-2.5	2.0	-1.5
1983	1.7	0.3	2.2	-0.4	1.0
1984	0.6	0.8	-5.3	1.8	-0.8
1985	1.2	-0.1	8.6	-1.1	2.4
1986	-0.9	0.1	-9.8	1.6	-2.7
1987	1.7	2.7	0.3	3.6	2.0
1988	4.7	4.1	2.1	2.6	3.3
1989	1.6	1.9	2.1	0.9	1.6
1990	2.0	2.0	1.3	3.7	2.2
1991	3.2	3.0	2.0	2.4	2.6
1992	2.4	2.7	4.0	4.3	3.4
1993	3.4	2.6	0.0	0.6	1.6
1994	1.3	0.8	0.8	-0.2	0.7
1995	5.7	5.4	4.7	5.2	5.3
1996	0.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-20

**AGRICULTURE WAGE AND SALARY JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	10.0	10.9	11.6	10.7	10.8
1981	10.0	12.0	12.7	11.3	11.5
1982	9.9	11.4	12.5	11.3	11.3
1983	9.9	11.3	12.3	11.2	11.2
1984	9.6	11.1	11.9	10.6	10.8
1985	9.8	10.5	11.2	10.1	10.4
1986	9.8	9.9	10.8	10.0	10.1
1987	10.0	10.5	11.3	10.4	10.5
1988	9.7	9.7	10.5	10.0	10.0
1989	9.2	9.7	10.2	9.4	9.6
1990	8.8	9.4	10.4	9.5	9.5
1991	8.8	9.4	10.2	9.9	9.6
1992	9.2	9.3	9.7	9.0	9.3
1993	8.8	8.3	8.8	8.4	8.6
1994	8.0	8.0	8.5	7.6	8.0
1995	7.1	6.9	7.4	7.7	7.3
1996	7.3	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	4.6	0.5	-1.2	-0.9	0.6
1981	0.1	9.6	9.4	5.8	6.4
1982	-1.1	-4.7	-1.6	0.2	-1.9
1983	0.7	-1.0	-1.8	-1.1	-0.9
1984	-2.9	-1.9	-2.9	-5.4	-3.3
1985	1.8	-5.0	-5.9	-4.5	-3.6
1986	0.3	-5.7	-4.0	-1.2	-2.7
1987	1.6	5.7	4.7	3.6	3.9
1988	-2.5	-7.2	-6.9	-3.7	-5.2
1989	-5.2	-0.5	-3.4	-5.4	-3.6
1990	-4.3	-3.3	2.6	1.1	-0.9
1991	-0.4	-0.1	-2.4	3.8	0.2
1992	4.5	-0.3	-5.0	-9.4	-2.8
1993	-4.8	-10.6	-8.8	-7.0	-7.8
1994	-8.5	-3.9	-3.8	-9.4	-6.4
1995	-11.5	-13.3	-13.2	2.4	-9.1
1996	2.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-21  
**SELF-EMPLOYED AGRICULTURE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	4.8	4.6	4.0	4.9	4.6
1981	4.3	4.0	4.4	4.7	4.4
1982	4.0	3.7	3.8	4.3	4.0
1983	3.6	3.6	3.9	4.5	3.9
1984	3.7	3.6	3.9	3.4	3.7
1985	3.4	3.4	3.8	3.5	3.5
1986	3.0	2.9	3.5	3.5	3.2
1987	3.4	3.6	4.1	3.6	3.7
1988	3.5	3.5	3.7	3.8	3.6
1989	3.3	3.5	3.7	3.6	3.5
1990	3.1	3.3	4.0	3.9	3.6
1991	3.8	3.9	4.7	4.6	4.3
1992	4.3	4.4	4.6	4.1	4.3
1993	3.9	3.9	4.1	4.0	4.0
1994	3.8	3.9	3.9	3.8	3.8
1995	3.7	3.7	3.9	4.0	3.8
1996	3.7	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	27.2	15.8	-16.0	-8.6	2.4
1981	-10.3	-13.0	8.7	-5.1	-5.4
1982	-7.3	-9.0	-12.2	-7.2	-8.9
1983	-11.4	-2.3	2.0	3.2	-2.1
1984	4.7	1.1	-0.4	-24.1	-5.7
1985	-10.0	-5.7	-3.7	1.4	-4.6
1986	-11.1	-16.3	-8.3	1.3	-8.6
1987	12.8	27.6	18.6	3.7	15.2
1988	3.3	-5.4	-10.6	3.9	-2.6
1989	-4.9	0.8	1.0	-5.2	-2.1
1990	-7.0	-4.3	7.7	10.0	1.9
1991	23.4	18.1	18.7	17.4	19.3
1992	12.3	12.7	-3.5	-12.3	1.4
1993	-8.6	-12.4	-10.2	-1.5	-8.3
1994	-2.1	-0.8	-4.9	-6.0	-3.5
1995	-3.5	-3.0	0.0	7.1	0.1
1996	0.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-22  
**SELF-EMPLOYED NON-AGRICULTURE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	27.2	27.6	29.4	29.0	28.3
1981	29.0	29.5	30.1	28.0	29.1
1982	31.1	31.4	32.2	30.5	31.3
1983	32.4	33.5	33.2	30.1	32.3
1984	33.0	34.1	34.0	32.8	33.5
1985	32.5	32.6	33.2	35.3	33.4
1986	33.0	35.1	36.5	34.3	34.7
1987	26.3	30.8	34.1	31.7	30.7
1988	30.6	34.3	33.8	32.2	32.7
1989	31.2	33.7	34.5	34.1	33.4
1990	32.1	32.6	32.5	33.7	32.7
1991	34.3	35.6	35.8	35.5	35.3
1992	34.6	34.7	35.0	35.0	34.8
1993	37.2	38.5	38.8	38.7	38.3
1994	34.5	34.6	33.8	33.4	34.1
1995	33.0	32.1	32.3	31.8	32.3
1996	32.1	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	13.7	12.7	16.4	22.2	16.2
1981	6.6	6.9	2.4	-3.5	3.0
1982	7.3	6.6	6.9	9.1	7.4
1983	4.0	6.8	3.1	-1.4	3.2
1984	1.7	1.8	2.4	8.9	3.6
1985	-1.4	-4.6	-2.3	7.8	-0.2
1986	1.6	7.7	10.0	-2.9	4.0
1987	-20.4	-12.2	-6.6	-7.7	-11.6
1988	16.4	11.4	-0.8	1.7	6.6
1989	2.1	-1.7	2.1	6.0	2.1
1990	3.0	-3.3	-5.8	-1.2	-2.0
1991	6.7	9.1	10.0	5.1	7.7
1992	0.8	-2.4	-2.1	-1.2	-1.2
1993	7.5	10.9	10.7	10.4	9.9
1994	-7.3	-10.2	-12.8	-13.6	-11.0
1995	-4.1	-7.2	-4.3	-4.7	-5.1
1996	-3.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-23  
**LABOR DISPUTES**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Thousands of Persons					
1980	0.1	0.1	1.8	0.0	0.5
1981	0.1	0.0	0.2	0.1	0.1
1982	0.0	0.1	0.1	0.2	0.1
1983	0.0	0.1	0.4	0.1	0.1
1984	0.2	0.0	0.4	1.4	0.5
1985	0.2	0.2	0.0	0.1	0.1
1986	0.1	0.1	0.1	0.6	0.2
1987	0.1	0.1	0.1	0.1	0.1
1988	0.1	0.1	0.1	0.2	0.1
1989	0.0	0.0	0.0	0.0	0.0
1990	2.5	0.0	0.0	0.0	0.6
1991	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0
1993	0.0	0.0	0.0	0.1	0.0
1994	0.1	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0
1996	0.1	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	75.0	-81.2	n/a	n/a	-27.9
1981	-57.3	-100.0	-91.7	n/a	-84.9
1982	-100.0	n/a	-66.7	117.0	5.3
1983	n/a	166.0	634.0	-69.1	79.7
1984	n/a	-100.0	-4.6	1940.3	228.9
1985	55.3	n/a	-95.1	-96.3	-74.9
1986	-78.5	-40.1	388.2	1166.0	85.5
1987	0.0	-50.0	-19.3	-92.1	-75.1
1988	0.0	0.0	74.6	234.0	77.8
1989	-100.0	-100.0	-100.0	-80.2	-91.7
1990	n/a	n/a	n/a	-100.0	7712.5
1991	-100.0	-100.0	-100.0	n/a	-100.0
1992	n/a	n/a	n/a	n/a	n/a
1993	n/a	n/a	n/a	n/a	n/a
1994	n/a	n/a	-100.0	-100.0	147.1
1995	-100.0	-100.0	n/a	n/a	-100.0
1996	100.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

## INCOME AND PRICES

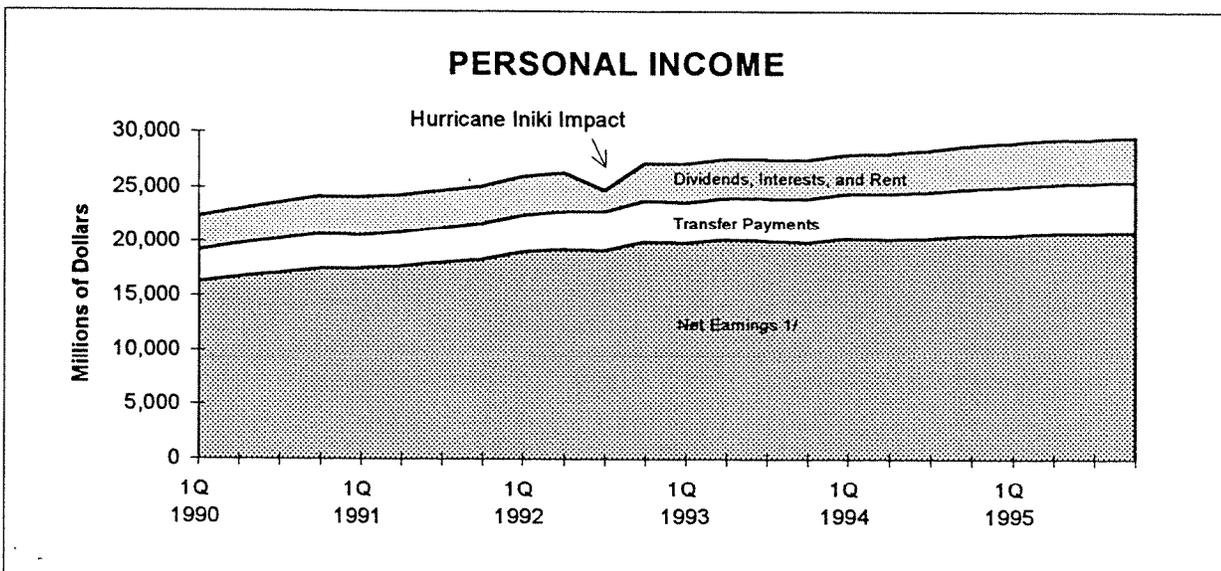
The latest data from the U.S. Bureau of Economic Analysis indicated that personal income grew 2.8 percent from the fourth quarter of 1994 to the fourth quarter of 1995 (table B-2). From 1991 to 1995, total personal income increased from \$24,545 million to \$29,359 million, or 19.6 percent. This compared favorably to the 13.6 percent increase in the Honolulu Consumer Price Index during the same time span (table B-9).

The 19.6 percent increase in total personal income during the 1991-1995 period was mainly due to a 43.5 percent increase in transfer payments (table B-7) and a 39.6 percent increase in proprietors' income (table B-5). In contrast, wage and salary income grew only 11.5 percent, a slight lag behind the increase in consumer prices during the same period.

As estimated by the U.S. Bureau of La-

bor Statistics, the consumer inflation rate, as indicated by changes in the Honolulu Consumer Price Index (CPI), declined from 7.2 percent in 1991 to 2.2 percent in 1995 (table B-9). The 2.2 percent inflation rate for 1995 was the lowest since 1983.

Total wage and salary income grew 1.5 percent during the fourth quarter of 1995, and averaged a growth rate of 1.8 percent for that year (table B-3). Although this was a significant improvement since the 1994 annual figure, total wages and salaries still grew less than the CPI. In contrast, other areas—namely, other labor income (table B-4), proprietors' income (table B-5), dividends, interest, and rent (table B-6), and transfer payments (Table B-7)—all grew faster than the 1995 CPI growth of 2.2 percent.



Note: 1/ Net earnings = Total Wage and Salaries + Other Labor Income + Proprietors' Income - Contribution to Social insurance.

Source: Research and Economic Analysis Division, DBEDT.

Table B-1

## PERSONAL INCOME FOR HAWAII BY MAJOR SOURCES

Series	1995	3rd Q. 1995	4th Q. 1995	Percentage Change from Previous Year		
				1995	3rd Q. 1995	4th Q. 1995
<b>Derivation of Personal Income:</b>						
Wage and salary disbursements	17,096	17,106	17,191	1.8	2.2	1.5
Plus: Other labor income	1,926	1,925	1,934	3.5	3.3	2.4
Plus: Proprietors' income	3,129	3,138	3,158	3.9	3.5	3.4
Total earnings	22,150	22,169	22,283	2.2	2.5	1.8
Less: Personal contrib. for social insur.	1,324	1,324	1,327	2.7	2.7	2.0
Net earnings	20,826	20,845	20,956	2.2	2.5	1.8
Plus: Dividends, interest, rent	3,971	3,962	3,996	6.9	5.0	3.4
Plus: Transfer payments	4,562	4,601	4,639	7.5	7.3	6.7
Personal income	29,359	29,407	29,591	3.6	3.6	2.8
<b>Total Earnings by Industry:</b>	22,150	22,169	22,283	2.2	2.5	1.8
Farm	236	237	242	3.1	3.5	5.2
Nonfarm	21,914	21,931	22,041	2.2	2.5	1.8
Private	16,567	16,584	16,716	2.7	2.9	2.5
Agriculture forestry, fish., other	151	150	153	1.8	2.0	-0.6
Mining	22	23	23	22.2	27.8	27.8
Construction	1,544	1,529	1,534	-9.3	-12.4	-8.1
Manufacturing	930	943	922	-0.4	0.3	-0.8
Transp., comm., utilities	1,817	1,797	1,816	1.4	1.6	-0.3
Wholesale trade	806	801	804	0.0	-0.4	-0.6
Retail trade	2,950	2,980	2,992	4.1	5.4	3.7
Finance, insur., real estate	1,624	1,647	1,680	8.5	13.7	10.5
Services	6,723	6,714	6,791	5.1	4.4	4.5
Government & govt. enterprises	5,347	5,347	5,325	0.7	1.4	-0.5
Federal civilian	1,293	1,301	1,295	3.2	4.9	3.3
Federal military	1,485	1,478	1,467	-2.8	-3.7	-2.3
State and local	2,570	2,569	2,563	1.6	2.8	-1.3

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-2  
**PERSONAL INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	10,148	10,126	10,501	10,950	10,431
1981	10,951	11,103	11,390	11,527	11,243
1982	11,563	11,889	12,108	12,171	11,933
1983	12,805	12,905	13,182	13,575	13,117
1984	13,531	13,928	14,132	14,284	13,969
1985	14,547	14,767	15,010	15,317	14,910
1986	15,590	15,841	16,283	16,505	16,055
1987	16,619	16,968	17,338	17,804	17,182
1988	18,298	18,661	19,040	19,696	18,924
1989	20,223	20,723	21,180	21,701	20,957
1990	22,346	22,995	23,576	24,149	23,267
1991	24,101	24,288	24,679	25,110	24,545
1992	25,993	26,364	24,782	27,263	26,101
1993	27,195	27,587	27,568	27,515	27,466
1994	28,024	28,125	28,395	28,797	28,335
1995	29,088	29,350	29,407	29,591	29,359
Percentage Change from the Same Period in Previous Year					
1980	16.7	13.2	13.7	15.6	14.8
1981	7.9	9.6	8.5	5.3	7.8
1982	5.6	7.1	6.3	5.6	6.1
1983	10.7	8.5	8.9	11.5	9.9
1984	5.7	7.9	7.2	5.2	6.5
1985	7.5	6.0	6.2	7.2	6.7
1986	7.2	7.3	8.5	7.8	7.7
1987	6.6	7.1	6.5	7.9	7.0
1988	10.1	10.0	9.8	10.6	10.1
1989	10.5	11.0	11.2	10.2	10.7
1990	10.5	11.0	11.3	11.3	11.0
1991	7.9	5.6	4.7	4.0	5.5
1992	7.9	8.5	0.4	8.6	6.3
1993	4.6	4.6	11.2	0.9	5.2
1994	3.0	2.0	3.0	4.7	3.2
1995	3.8	4.4	3.6	2.8	3.6

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-3  
**TOTAL WAGE AND SALARIES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Millions of Dollars</b>					
1980	6,530	6,562	6,693	6,920	6,676
1981	7,029	7,141	7,218	7,357	7,186
1982	7,411	7,537	7,700	7,836	7,621
1983	8,008	8,078	8,079	8,320	8,121
1984	8,399	8,614	8,654	8,711	8,595
1985	8,940	9,077	9,224	9,397	9,160
1986	9,486	9,600	9,812	10,070	9,742
1987	10,262	10,520	10,794	11,119	10,674
1988	11,433	11,604	11,774	12,190	11,750
1989	12,467	12,820	13,176	13,527	12,998
1990	13,865	14,287	14,627	15,011	14,448
1991	15,084	15,169	15,441	15,657	15,338
1992	16,073	16,261	16,356	16,780	16,368
1993	16,529	16,854	16,672	16,428	16,621
1994	16,808	16,688	16,730	16,945	16,793
1995	16,988	17,097	17,106	17,191	17,096
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	12.7	10.4	10.2	11.4	11.2
1981	7.6	8.8	7.8	6.3	7.6
1982	5.4	5.5	6.7	6.5	6.1
1983	8.1	7.2	4.9	6.2	6.6
1984	4.9	6.6	7.1	4.7	5.8
1985	6.4	5.4	6.6	7.9	6.6
1986	6.1	5.8	6.4	7.2	6.4
1987	8.2	9.6	10.0	10.4	9.6
1988	11.4	10.3	9.1	9.6	10.1
1989	9.0	10.5	11.9	11.0	10.6
1990	11.2	11.4	11.0	11.0	11.2
1991	8.8	6.2	5.6	4.3	6.2
1992	6.6	7.2	5.9	7.2	6.7
1993	2.8	3.6	1.9	-2.1	1.5
1994	1.7	-1.0	0.3	3.1	1.0
1995	1.1	2.5	2.2	1.5	1.8

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-4  
**OTHER LABOR INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	500	520	539	547	527
1981	566	574	578	590	577
1982	607	631	657	680	644
1983	691	693	699	729	703
1984	744	773	776	777	768
1985	777	775	781	791	781
1986	817	850	888	925	870
1987	895	911	925	956	922
1988	985	994	1,019	1,064	1,016
1989	1,095	1,139	1,182	1,216	1,158
1990	1,259	1,290	1,329	1,383	1,315
1991	1,433	1,473	1,529	1,565	1,500
1992	1,602	1,638	1,667	1,683	1,648
1993	1,761	1,779	1,793	1,800	1,783
1994	1,848	1,846	1,864	1,888	1,862
1995	1,909	1,935	1,925	1,934	1,926
Percentage Change from the Same Period in Previous Year					
1980	16.3	17.6	18.5	16.1	17.1
1981	13.2	10.4	7.2	7.9	9.5
1982	7.2	9.9	13.7	15.3	11.6
1983	13.8	9.8	6.4	7.2	9.2
1984	7.7	11.5	11.0	6.6	9.2
1985	4.4	0.3	0.6	1.8	1.7
1986	5.1	9.7	13.7	16.9	11.4
1987	9.5	7.2	4.2	3.4	6.0
1988	10.1	9.1	10.2	11.3	10.2
1989	11.2	14.6	16.0	14.3	14.0
1990	15.0	13.3	12.4	13.7	13.6
1991	13.8	14.2	15.0	13.2	14.1
1992	11.8	11.2	9.0	7.5	9.8
1993	9.9	8.6	7.6	7.0	8.2
1994	4.9	3.8	4.0	4.9	4.4
1995	3.3	4.8	3.3	2.4	3.5

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-5  
**PROPRIETORS' INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<i>In Millions of Dollars</i>					
1980	917	829	921	1,013	920
1981	783	722	736	715	739
1982	691	833	834	866	806
1983	1,014	942	1,127	1,179	1,066
1984	998	1,096	1,157	1,181	1,108
1985	1,174	1,210	1,258	1,344	1,247
1986	1,399	1,421	1,596	1,543	1,490
1987	1,550	1,579	1,620	1,665	1,604
1988	1,768	1,900	1,986	2,094	1,937
1989	2,148	2,221	2,228	2,205	2,210
1990	2,177	2,180	2,204	2,185	2,187
1991	2,160	2,221	2,273	2,310	2,241
1992	2,583	2,625	2,386	2,776	2,593
1993	2,810	2,846	2,880	2,966	2,876
1994	2,967	2,992	3,031	3,054	3,011
1995	3,095	3,123	3,138	3,158	3,129
<i>Percentage Change from the Same Period in Previous Year</i>					
1980	45.1	25.6	31.4	46.6	37.5
1981	-14.6	-12.9	-20.1	-29.4	-19.7
1982	-11.7	15.4	13.3	21.1	9.1
1983	46.7	13.1	35.1	36.1	32.3
1984	-1.6	16.3	2.7	0.2	3.9
1985	17.6	10.4	8.7	13.8	12.5
1986	19.2	17.4	26.9	14.8	19.5
1987	10.8	11.1	1.5	7.9	7.7
1988	14.1	20.3	22.6	25.8	20.8
1989	21.5	16.9	12.2	5.3	14.1
1990	1.4	-1.8	-1.1	-0.9	-1.0
1991	-0.8	1.9	3.1	5.7	2.5
1992	19.6	18.2	5.0	20.2	15.7
1993	8.8	8.4	20.7	6.8	10.9
1994	5.6	5.1	5.2	3.0	4.7
1995	4.3	4.4	3.5	3.4	3.9

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-6  
**DIVIDENDS, INTEREST, AND RENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	1,417	1,411	1,413	1,505	1,437
1981	1,608	1,678	1,785	1,793	1,716
1982	1,787	1,801	1,781	1,589	1,740
1983	1,869	1,917	1,981	2,042	1,952
1984	2,094	2,154	2,243	2,285	2,194
1985	2,302	2,330	2,343	2,377	2,338
1986	2,441	2,500	2,501	2,220	2,188
1987	2,450	2,467	2,501	2,563	2,495
1988	2,591	2,636	2,728	2,819	2,694
1989	2,919	2,980	2,973	3,033	2,976
1990	3,149	3,238	3,363	3,440	3,298
1991	3,487	3,427	3,397	3,430	3,435
1992	3,510	3,554	1,971	3,443	3,120
1993	3,555	3,502	3,522	3,518	3,524
1994	3,562	3,668	3,772	3,863	3,716
1995	3,948	3,977	3,962	3,996	3,971
Percentage Change from the Same Period in Previous Year					
1980	23.3	18.4	14.0	12.2	17.4
1981	13.5	18.9	26.3	19.1	19.4
1982	11.1	7.3	-0.2	-11.4	1.4
1983	4.6	6.4	11.2	28.5	12.2
1984	12.0	12.4	13.2	11.9	12.4
1985	9.9	8.2	4.5	4.0	6.6
1986	6.0	7.3	6.7	-6.6	-6.4
1987	0.4	-1.3	0.0	15.5	14.0
1988	5.8	6.9	9.1	10.0	8.0
1989	12.7	13.1	9.0	7.6	10.5
1990	7.9	8.7	13.1	13.4	10.8
1991	10.7	5.8	1.0	-0.3	4.2
1992	0.7	3.7	-42.0	0.4	-9.2
1993	1.3	-1.5	78.7	2.2	13.0
1994	0.2	4.7	7.1	9.8	5.4
1995	10.8	8.4	5.0	3.4	6.9

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-7  
**TRANSFER PAYMENTS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	1,215	1,233	1,370	1,410	1,307
1981	1,457	1,486	1,578	1,588	1,527
1982	1,605	1,637	1,699	1,767	1,677
1983	1,805	1,850	1,864	1,886	1,851
1984	1,902	1,913	1,924	1,950	1,922
1985	2,019	2,039	2,073	2,084	2,054
1986	2,145	2,178	2,208	2,220	2,188
1987	2,201	2,244	2,266	2,287	2,250
1988	2,373	2,390	2,409	2,434	2,402
1989	2,509	2,539	2,618	2,731	2,599
1990	2,942	3,058	3,139	3,241	3,095
1991	3,072	3,137	3,195	3,313	3,179
1992	3,424	3,498	3,619	3,793	3,584
1993	3,782	3,865	3,948	4,035	3,908
1994	4,127	4,212	4,287	4,348	4,244
1995	4,466	4,543	4,601	4,639	4,562
Percentage Change from the Same Period in Previous Year					
1980	13.4	12.2	17.6	19.1	15.7
1981	19.9	20.5	15.2	12.6	16.8
1982	10.2	10.2	7.7	11.3	9.8
1983	12.5	13.0	9.7	6.7	10.4
1984	5.4	3.4	3.2	3.4	3.8
1985	6.2	6.6	7.7	6.9	6.9
1986	6.2	6.8	6.5	6.5	6.5
1987	2.6	3.0	2.6	3.0	2.8
1988	7.8	6.5	6.3	6.4	6.8
1989	5.7	6.2	8.7	12.2	8.2
1990	17.3	20.4	19.9	18.7	19.1
1991	4.4	2.6	1.8	2.2	2.7
1992	11.5	11.5	13.3	14.5	12.7
1993	10.5	10.5	9.1	6.4	9.0
1994	9.1	9.0	8.6	7.8	8.6
1995	8.2	7.9	7.3	6.7	7.5

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-8  
**CONTRIBUTION TO SOCIAL INSURANCE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	431	429	435	445	435
1981	491	497	504	516	502
1982	538	551	563	567	555
1983	582	576	568	581	577
1984	605	622	622	618	617
1985	664	665	668	676	668
1986	699	707	721	736	716
1987	740	753	768	785	762
1988	852	864	875	905	874
1989	951	976	996	1,011	984
1990	1,045	1,059	1,086	1,111	1,075
1991	1,135	1,138	1,156	1,165	1,149
1992	1,201	1,211	1,216	1,213	1,210
1993	1,242	1,259	1,246	1,231	1,245
1994	1,287	1,281	1,289	1,301	1,290
1995	1,318	1,326	1,324	1,327	1,324
Percentage Change from the Same Period in Previous Year					
1980	14.6	10.6	9.6	10.1	11.3
1981	13.9	15.9	15.9	16.0	15.4
1982	9.6	10.9	11.7	9.9	10.6
1983	8.2	4.5	0.9	2.5	4.0
1984	4.0	8.0	9.5	6.4	6.9
1985	9.8	6.9	7.4	9.4	8.3
1986	5.3	6.3	7.9	8.9	7.2
1987	5.9	6.5	6.5	6.7	6.4
1988	15.1	14.7	13.9	15.3	14.7
1989	11.6	13.0	13.8	11.7	12.6
1990	9.9	8.5	9.0	9.9	9.2
1991	8.6	7.5	6.4	4.9	6.8
1992	5.8	6.4	5.2	4.1	5.4
1993	3.4	4.0	2.5	1.5	2.8
1994	3.6	1.7	3.5	5.7	3.6
1995	2.4	3.5	2.7	2.0	2.7

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-9

**CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U),  
AND SELECTED ITEMS, FOR HONOLULU: 1981 to 1994 [1982-84=100]**

<i>Period</i>	<i>All Items</i>	<i>Food &amp; Beverages</i>	<i>Housing 1/</i>	<i>Apparel &amp; Upkeep</i>	<i>Transpor- tation</i>	<i>Medical Care</i>	<i>Enter- tainment</i>	<i>All Other</i>
1980	83.0	84.2	83.2	89.8	86.6	73.1	78.2	73.3
1981	91.7	92.6	92.3	94.5	95.7	81.8	87.2	81.5
1982	97.2	96.9	98.0	98.4	99.0	91.6	95.7	92.0
1983	99.3	99.5	98.9	101.4	98.2	101.1	100.0	101.4
1984	103.5	103.6	103.1	100.2	102.9	107.3	104.3	106.6
1985	106.8	107.8	106.0	99.6	104.9	113.2	111.9	112.5
1986	109.4	110.0	108.4	99.8	105.2	122.3	113.2	119.6
1987	114.9	114.1	115.0	102.5	109.7	127.9	118.6	129.7
1988	121.7	120.3	123.0	106.8	116.1	132.5	122.9	137.1
1989	128.7	128.1	131.1	104.3	123.9	139.3	124.3	146.1
1990	138.1	137.8	141.5	107.0	131.1	154.2	128.4	160.4
1991	148.0	145.9	152.8	110.5	139.3	171.3	134.3	175.7
1992	155.1	148.5	161.7	114.2	147.4	182.6	136.3	189.0
1993	160.1	152.9	166.6	116.5	150.5	197.4	138.4	200.1
1994	164.5	153.4	177.6	118.7	156.4	206.0	142.3	209.6
1995	168.1	156.8	174.7	117.5	162.4	209.8	144.2	216.8
1995:								
1st half	166.9	156.5	173.4	118.1	160.0	207.8	142.9	214.4
2nd half	169.4	157.1	176.0	116.9	164.9	211.8	145.5	219.2
Percentage Change from the Same Period in Previous Year								
1981	10.5	10.0	10.9	5.2	10.5	11.9	11.5	11.2
1982	6.0	4.6	6.2	4.1	3.4	12.0	9.7	12.9
1983	2.2	2.7	0.9	3.0	-0.8	10.4	4.5	10.2
1984	4.2	4.1	4.2	-1.2	4.8	6.1	4.3	5.1
1985	3.2	4.1	2.8	-0.6	1.9	5.5	7.3	5.5
1986	2.4	2.0	2.3	0.2	0.3	8.0	1.2	6.3
1987	5.0	3.7	6.1	2.7	4.3	4.6	4.8	8.4
1988	5.9	5.4	7.0	4.2	5.8	3.6	3.6	5.7
1989	5.8	6.5	6.6	-2.3	6.7	5.1	1.1	6.6
1990	7.3	7.6	7.9	2.6	5.8	10.7	3.3	9.8
1991	7.2	5.9	8.0	3.3	6.3	11.1	4.6	9.5
1992	4.8	1.8	5.8	3.3	5.8	6.6	1.5	7.6
1993	3.2	3.0	3.0	2.0	2.1	8.1	1.5	5.9
1994	2.7	0.3	6.6	1.9	3.9	4.4	2.8	4.7
1995	2.2	2.2	1.8	-1.0	3.8	1.8	1.3	3.4
1995:								
1st half	2.1	3.2	1.8	-0.8	2.6	1.6	0.9	3.3
2nd half	2.2	1.2	1.9	-1.1	5.2	2.1	1.7	3.5

Notes: Honolulu CPI is normally released twice a year in February and August.

1/ Change in definition in 1983—rental equivalence for homeowners (what owners would have to pay if they rented their homes).

Source: U.S. Department of Labor, Bureau of Labor Statistics.

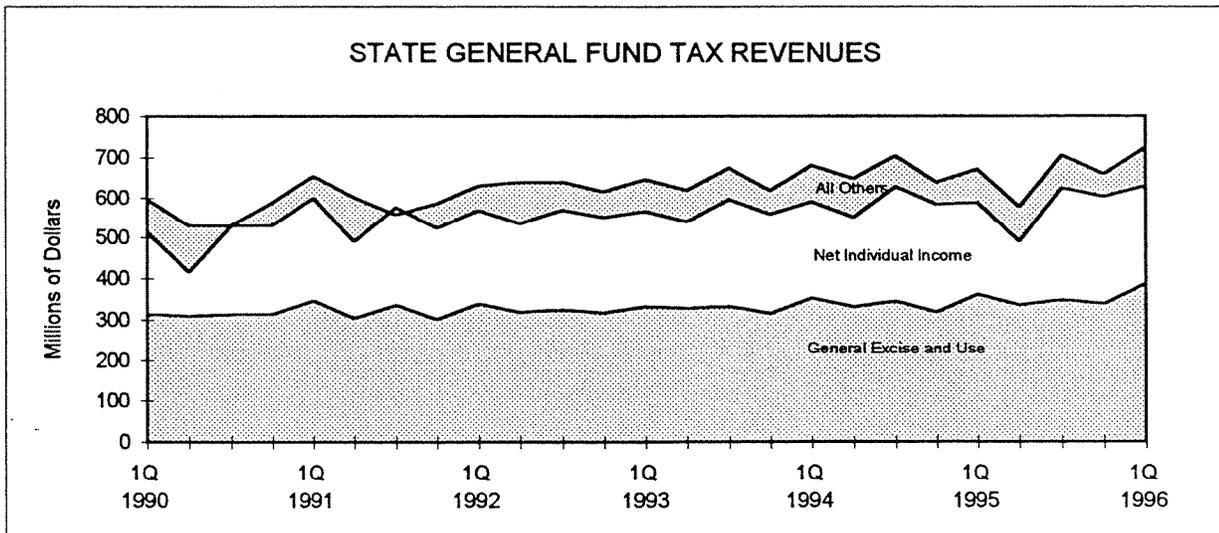
## TAX BASE AND REVENUES

The state's largest revenue source, the general excise and use tax, increased 6.5 percent in the first quarter of 1996 following a 6.6 percent increase in the fourth quarter of 1995 (table C-3). This marked the largest increase for two consecutive quarters since the fourth quarter of 1990. The net individual income tax collections increased 7.9 percent from the first quarter of 1995 to the first quarter of 1996, following negative growth rates for every quarter in 1995 (table C-4). The 1995 decline in net income tax collections was partly due to a change in the state withholding tax in 1994. That change resulted in higher withholdings in wages, and subsequently, larger income tax refunds in the second quarter of 1995 when the Hawaii Department of Taxation processed the 1994 income tax returns.

State General Fund tax revenues increased 8.0 percent in the first quarter of

1996, following a 3.2 percent increase in the fourth quarter of 1995, relative to the same period in the previous year (table C-2). For the first six months of 1995, however, tax revenues distributed to the General Fund were lower than that of the same period in 1994. This was primarily due to the decline in net income tax refunds as previously discussed.

Transient Accommodation Tax (TAT) revenues grew 25.6 percent in the first quarter of 1996 over the year earlier, continuing double-digit increases since the third quarter of 1994 (table C-6). Higher room rates and the expiration of tax exemptions for Kauai's hotels in January 1995 partly contributed to the increase in TAT for that year. TAT revenues were \$105.6 million for 1995 as a whole, an increase of 22.1 percent from the 1994 figure.



Source: Research and Economic Analysis Division, DBEDT.

Table C-1

## GENERAL FUND TAX REVENUES AND MAJOR COMPONENTS

Year	<i>General Excise and Use Tax 1/</i>	<i>Net Individual Income Tax 2/</i>	<i>Net Corporate Income Tax 3/</i>	<i>Tax Revenues Distributed to State General Fund</i>
In Thousands of Dollars				
1990	1,250,204	743,114	86,268	2,246,752
1991	1,287,818	900,963	70,568	2,397,289
1992	1,299,813	922,205	42,736	2,523,672
1993	1,308,798	951,403	22,237	2,555,914
1994	1,347,943	1,003,477	34,226	2,672,293
1995	1,386,685	918,809	37,337	2,614,713
1995 1 Qtr.	363,101	224,594	12,869	671,365
2 Qtr.	335,907	154,310	19,818	577,802
3 Qtr.	348,033	277,057	12,030	705,998
4 Qtr.	339,644	262,848	-7,380	659,548
1996 1 Qtr.	386,710	242,253	47,069	725,292
Percentage Change from the Same Period in Previous Year				
1991	3.0	21.2	-18.2	6.7
1992	0.9	2.4	-39.4	5.3
1993	0.7	3.2	-48.0	1.3
1994	3.0	5.5	53.9	4.6
1995	2.9	-8.4	9.1	-2.2
1995 1 Qtr.	2.8	-5.0	23.1	-1.5
2 Qtr.	1.7	-30.0	-24.4	-10.8
3 Qtr.	0.7	-1.6	31.7	0.3
4 Qtr.	6.6	-0.9	-36.2	3.2
1996 1 Qtr.	6.5	7.9	265.8	8.0

Notes: This series represents data as reported by the Department of Taxation, without adjustment.

1/ Manufactured goods shipped out of state have been exempted from the general excise tax by Act 239, SLH 1987, effective January 1, 1988.

2/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.

3/ Declaration of estimated taxes, plus payments with returns, less refunds.

Source: Hawaii State Department of Taxation.

Table C-2  
**STATE GENERAL FUND TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Millions of Dollars</b>					
1980	239.5	270.1	255.0	244.2	1,008.8
1981	244.4	294.4	271.0	261.2	1,070.9
1982	248.4	219.1	284.4	259.5	1,011.5
1983	267.9	270.7	295.5	275.8	1,109.9
1984	293.3	313.7	317.3	316.0	1,240.4
1985	315.1	344.4	344.7	321.6	1,325.8
1986	347.1	393.2	377.6	368.6	1,486.5
1987	400.6	461.7	430.0	438.9	1,731.2
1988	466.1	514.6	483.6	484.9	1,949.2
1989	554.2	593.1	441.0	568.7	2,157.0
1990	596.0	530.5	531.3	589.0	2,246.8
1991	654.2	600.8	557.6	584.7	2,397.3
1992	629.7	638.9	640.3	614.8	2,523.7
1993	646.2	617.4	674.2	618.1	2,555.9
1994	681.3	648.0	703.9	639.1	2,672.3
1995	671.4	577.8	706.0	659.5	2,614.7
1996	725.3	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	13.5	11.8	16.9	11.2	13.3
1981	2.0	9.0	6.3	7.0	6.2
1982	1.7	-25.6	5.0	-0.6	-5.5
1983	7.9	23.5	3.9	6.3	9.7
1984	9.5	15.9	7.4	14.6	11.8
1985	7.4	9.8	8.6	1.8	6.9
1986	10.2	14.2	9.6	14.6	12.1
1987	15.4	17.4	13.9	19.1	16.5
1988	16.4	11.4	12.5	10.5	12.6
1989	18.9	15.3	-8.8	17.3	10.7
1990	7.5	-10.6	20.5	3.6	4.2
1991	9.8	13.3	5.0	-0.7	6.7
1992	-3.7	6.3	14.8	5.2	5.3
1993	2.6	-3.4	5.3	0.5	1.3
1994	5.4	5.0	4.4	3.4	4.6
1995	-1.5	-10.8	0.3	3.2	-2.2
1996	8.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-3  
**GENERAL EXCISE & USE TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	128.1	137.3	132.2	129.8	527.3
1981	134.7	152.2	148.0	140.3	575.2
1982	141.1	147.5	151.1	134.8	574.6
1983	155.8	159.4	151.5	148.8	615.5
1984	165.1	173.8	165.6	165.2	669.8
1985	174.1	178.7	176.8	177.9	707.4
1986	192.0	200.0	198.3	187.6	778.0
1987	216.7	214.9	219.3	218.1	869.0
1988	240.5	242.0	241.3	242.2	966.0
1989	270.8	270.7	272.6	282.3	1,096.5
1990	313.1	308.6	314.3	314.2	1,250.2
1991	346.0	304.2	335.7	301.9	1,287.8
1992	338.3	318.8	325.3	317.3	1,299.8
1993	332.7	327.5	332.7	315.9	1,308.8
1994	353.4	330.3	345.8	318.5	1,347.9
1995	363.1	335.9	348.0	339.6	1,386.7
1996	386.7	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	11.4	15.7	16.0	9.0	13.0
1981	5.2	10.9	11.9	8.1	9.1
1982	4.8	-3.1	2.1	-3.9	-0.1
1983	10.4	8.1	0.2	10.4	7.1
1984	6.0	9.0	9.3	11.0	8.8
1985	5.4	2.8	6.7	7.6	5.6
1986	10.3	11.9	12.2	5.5	10.0
1987	12.9	7.4	10.6	16.2	11.7
1988	11.0	12.6	10.0	11.0	11.2
1989	12.6	11.9	13.0	16.6	13.5
1990	15.6	14.0	15.3	11.3	14.0
1991	10.5	-1.4	6.8	-3.9	3.0
1992	-2.2	4.8	-3.1	5.1	0.9
1993	-1.7	2.7	2.3	-0.5	0.7
1994	6.2	0.8	3.9	0.8	3.0
1995	2.8	1.7	0.7	6.6	2.9
1996	6.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-4  
**NET INDIVIDUAL INCOME TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<i>In Millions of Dollars</i>					
1980	85.0	81.2	84.1	85.6	335.9
1981	83.2	81.7	92.8	92.0	349.6
1982	85.7	12.6	98.2	100.3	296.8
1983	94.3	54.2	107.9	101.7	358.1
1984	112.2	81.3	112.0	108.4	413.9
1985	108.6	100.3	125.7	111.8	446.4
1986	125.7	99.8	129.1	135.6	490.2
1987	134.4	143.6	138.8	157.9	574.7
1988	159.3	170.0	169.0	182.5	680.8
1989	205.1	211.0	176.7	209.2	802.0
1990	201.6	107.6	216.0	217.9	743.1
1991	252.6	186.2	240.4	221.7	901.0
1992	228.8	216.0	244.0	233.4	922.2
1993	233.9	211.7	263.0	242.9	951.4
1994	236.4	220.3	281.5	265.3	1,003.5
1995	224.6	154.3	277.1	262.8	918.8
1996	242.3	n/a	n/a	n/a	n/a
<i>Percentage Change from the Same Period in Previous Year</i>					
1980	22.2	12.5	17.4	16.0	17.0
1981	-2.1	0.6	10.4	7.4	4.1
1982	2.9	-84.6	5.8	9.1	-15.1
1983	10.1	331.2	9.9	1.3	20.7
1984	18.9	50.1	3.7	6.7	15.6
1985	-3.2	23.3	12.3	3.1	7.8
1986	15.8	-0.5	2.7	21.2	9.8
1987	6.9	43.8	7.5	16.5	17.2
1988	18.5	18.4	21.8	15.6	18.5
1989	28.7	24.1	4.6	14.6	17.8
1990	-1.7	-49.0	22.2	4.2	-7.3
1991	25.3	73.1	11.3	1.7	21.2
1992	-9.4	16.0	1.5	5.3	2.4
1993	2.2	-2.0	7.8	4.1	3.2
1994	1.1	4.1	7.0	9.2	5.5
1995	-5.0	-30.0	-1.6	-0.9	-8.4
1996	7.9	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-5  
**NET CORPORATE INCOME TAX REVENUES**

Year	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	10.8	16.6	12.1	4.5	43.9
1981	10.0	20.4	9.7	3.5	43.6
1982	10.5	15.6	7.3	1.4	34.8
1983	6.5	9.3	11.3	0.8	28.0
1984	9.6	14.7	10.4	5.0	39.7
1985	7.5	21.9	11.6	3.1	44.1
1986	7.8	17.2	14.9	6.4	46.2
1987	13.6	26.6	17.9	9.2	67.3
1988	18.1	20.8	16.2	7.9	63.1
1989	23.5	24.7	18.8	5.7	72.7
1990	22.5	27.9	29.1	6.8	86.3
1991	23.7	36.4	11.1	-0.6	70.6
1992	17.4	15.9	11.2	-1.7	42.7
1993	6.5	13.4	13.5	-11.2	22.2
1994	10.5	26.2	9.1	-11.6	34.2
1995	12.9	19.8	12.0	-7.4	37.3
1996	15.5	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	21.4	19.9	12.9	2.6	16.3
1981	-6.7	22.7	-19.7	-21.8	-0.7
1982	4.7	-23.3	-24.8	-60.7	-20.2
1983	-38.6	-40.1	55.3	-39.5	-19.6
1984	48.5	57.1	-7.9	498.7	41.9
1985	-21.5	49.2	10.7	-37.7	11.1
1986	3.5	-21.7	29.0	105.8	4.9
1987	75.3	55.0	19.8	43.9	45.6
1988	32.9	-21.6	-9.1	-14.1	-6.2
1989	29.7	18.5	15.6	-27.8	15.2
1990	-4.3	12.9	55.0	19.2	18.7
1991	5.4	30.3	-61.9	-109.0	-18.2
1992	-26.5	-56.4	0.6	181.7 1/	-39.4
1993	-62.5	-15.7	21.1	549.9 1/	-48.0
1994	59.9	96.0	-32.4	3.5 1/	53.9
1995	23.1	-24.4	31.7	-36.2	9.1
1996	20.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

1/ This figure represents an increase in net corporate tax refunds greater than tax collection.

Source: Hawaii State Department of Taxation.

Table C-6

**TRANSIENT ACCOMMODATION TAX REVENUES**

Year	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1987	7.2	16.3	16.2	13.6	53.2
1988	18.5	19.1	17.9	15.2	70.7
1989	20.8	22.0	18.4	19.7	81.0
1990	22.4	21.9	21.3	17.9	83.5
1991	20.9	19.1	20.0	17.9	77.9
1992	20.9	21.2	19.4	19.4	80.8
1993	20.9	20.7	17.2	16.7	75.4
1994	22.9	19.8	22.3	21.6	86.5
1995	27.2	27.0	26.6	24.8	105.6
1996	34.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1988 1/	155.9	17.2	10.7	12.4	32.8
1989	12.7	15.3	3.1	29.4	14.6
1990	7.4	-0.4	15.5	-9.3	3.0
1991	-6.4	-12.8	-6.0	-0.1	-6.6
1992	-0.1	10.8	-3.3	8.6	3.7
1993	0.0	-2.5	-11.4	-13.9	-6.7
1994	9.6	-4.4	29.7	29.2	14.7
1995	18.8	36.6	19.5	15.0	22.1
1996	25.6	n/a	n/a	n/a	n/a

Note: n/a = not available.

1/ Tax collection for this category began in 1987.

Source: Hawaii State Department of Taxation.

Table C-7  
**GENERAL EXCISE & USE TAX BASE**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Millions of Dollars					
1980	4,568	4,889	4,830	4,724	19,011
1981	4,865	5,781	5,301	5,065	21,012
1982	4,991	4,982	5,411	4,845	20,229
1983	5,435	5,525	5,317	5,240	21,517
1984	5,808	6,047	5,914	5,814	23,583
1985	6,071	6,169	6,004	6,081	24,325
1986	6,476	6,689	6,742	6,384	26,291
1987	7,063	7,035	7,050	7,163	28,311
1988	7,900	7,831	7,782	8,045	31,558
1989	8,875	8,802	8,823	9,276	35,776
1990	10,099	9,933	10,089	10,340	40,461
1991	11,532	10,125	11,285	10,190	43,132
1992	11,223	10,650	10,869	10,507	43,249
1993	11,177	11,596	11,014	10,500	44,287
1994	11,539	10,859	11,346	10,774	44,518
1995	11,876	11,012	11,448	11,241	45,577
1996	12,323	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	12.9	15.1	9.4	6.6	10.9
1981	6.5	18.2	9.8	7.2	10.5
1982	2.6	-13.8	2.1	-4.3	-3.7
1983	8.9	10.9	-1.7	8.2	6.4
1984	6.9	9.4	11.2	11.0	9.6
1985	4.5	2.0	1.5	4.6	3.1
1986	6.7	8.4	12.3	5.0	8.1
1987	9.1	5.2	4.6	12.2	7.7
1988	11.9	11.3	10.4	12.3	11.5
1989	12.3	12.4	13.4	15.3	13.4
1990	13.8	12.8	14.3	11.5	13.1
1991	14.2	1.9	11.9	-1.5	6.6
1992	-2.7	5.2	-3.7	3.1	0.3
1993	-0.4	8.9	1.3	-0.1	2.4
1994	3.2	-6.4	3.0	2.6	0.5
1995	2.9	1.4	0.9	4.3	2.4
1996	3.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-8  
**RETAILING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<i>In Millions of Dollars</i>					
1980	1,539	1,549	1,501	1,518	6,107
1981	1,606	1,713	1,750	1,631	6,700
1982	1,710	1,751	1,813	1,601	6,875
1983	1,948	1,886	1,830	1,774	7,438
1984	2,034	2,047	1,982	2,048	8,111
1985	2,148	2,102	2,137	2,112	8,499
1986	2,371	2,337	2,330	2,202	9,240
1987	2,393	2,277	2,374	2,405	9,449
1988	2,654	2,613	2,573	2,545	10,385
1989	3,017	2,814	2,884	2,893	11,608
1990	3,320	3,123	3,169	3,214	12,826
1991	3,659	3,068	3,525	3,146	13,398
1992	3,668	3,282	3,484	3,411	13,845
1993	3,617	3,395	3,594	3,370	13,976
1994	3,848	3,527	3,697	3,496	14,568
1995	3,932	3,576	3,846	3,697	15,051
1996	4,206.0	n/a	n/a	n/a	n/a
<i>Percentage Change from the Same Period in Previous Year</i>					
1980	7.9	10.9	17.2	7.2	10.6
1981	4.4	10.6	16.6	7.4	9.7
1982	6.5	2.2	3.6	-1.8	2.6
1983	13.9	7.7	0.9	10.8	8.2
1984	4.4	8.5	8.3	15.4	9.0
1985	5.6	2.7	7.8	3.1	4.8
1986	10.4	11.2	9.0	4.3	8.7
1987	0.9	-2.6	1.9	9.2	2.3
1988	10.9	14.8	8.4	5.8	9.9
1989	13.7	7.7	12.1	13.7	11.8
1990	10.0	11.0	9.9	11.1	10.5
1991	10.2	-1.8	11.2	-2.1	4.5
1992	0.2	7.0	-1.2	8.4	3.3
1993	-1.4	3.4	3.2	-1.2	0.9
1994	6.4	3.9	2.9	3.7	4.2
1995	2.2	1.4	4.0	5.7	3.3
1996	7.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-9  
**SERVICES TAX BASE**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Millions of Dollars					
1980	378	473	464	428	1,743
1981	447.8	467.8	450.5	443.8	1,809.9
1982	448.0	497.7	497.2	462.1	1,905.1
1983	519.2	566.2	536.8	512.3	2,134.5
1984	560.5	619.0	599.6	589.4	2,368.4
1985	592.6	646.4	627.9	614.7	2,481.7
1986	660.3	703.9	714.2	705.9	2,784.2
1987	713.4	725.8	732.6	724.4	2,896.2
1988	774.0	837.2	813.6	862.9	3,287.7
1989	905.0	937.7	918.8	937.5	3,699.0
1990	1,020.6	1,106.7	1,061.9	1,087.6	4,276.9
1991	1,235.4	1,229.7	1,253.6	1,169.5	4,888.2
1992	1,260.6	1,279.8	1,284.8	1,207.5	5,032.7
1993	1,233.4	1,316.7	1,300.4	1,242.1	5,092.7
1994	1,359.6	1,300.7	1,413.4	1,197.2	5,270.8
1995	1,371.0	1,312.0	1,342.2	1,325.8	5,351.1
1996	1,372.4	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	8.7	28.6	34.5	21.8	23.4
1981	18.5	-1.1	-2.8	3.7	3.8
1982	0.0	6.4	10.4	4.1	5.3
1983	15.9	13.8	8.0	10.9	12.0
1984	7.9	9.3	11.7	15.0	11.0
1985	5.7	4.4	4.7	4.3	4.8
1986	11.4	8.9	13.7	14.8	12.2
1987	8.0	3.1	2.6	2.6	4.0
1988	8.5	15.4	11.1	19.1	13.5
1989	16.9	12.0	12.9	8.6	12.5
1990	12.8	18.0	15.6	16.0	15.6
1991	21.1	11.1	18.0	7.5	14.3
1992	2.0	4.1	2.5	3.3	3.0
1993	-2.2	2.9	1.2	2.9	1.2
1994	10.2	-1.2	8.7	-3.6	3.5
1995	0.8	0.9	-5.0	10.7	1.5
1996	0.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-10  
**CONTRACTING TAX BASE**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Millions of Dollars					
1980	361.3	414.8	409.1	384.5	1,569.7
1981	378.7	404.5	420.0	410.6	1,613.8
1982	334.3	338.7	334.8	287.1	1,294.9
1983	340.3	359.0	334.9	319.3	1,353.4
1984	312.0	361.8	320.5	248.6	1,242.9
1985	257.7	311.7	364.4	434.0	1,367.7
1986	394.2	468.0	497.4	448.4	1,808.0
1987	450.9	484.5	521.3	546.4	2,003.1
1988	544.8	587.3	601.1	754.4	2,487.6
1989	640.6	757.8	795.7	918.6	3,112.8
1990	870.0	922.3	1,108.7	1,102.7	4,003.7
1991	1,126.1	1,043.7	1,164.5	999.7	4,334.1
1992	1,023.1	1,051.5	977.6	960.4	4,012.7
1993	964.9	960.8	965.2	912.7	3,803.6
1994	827.5	837.9	838.5	818.5	3,322.3
1995	776.6	760.6	751.3	845.1	3,133.5
1996	824.5	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	29.1	24.6	16.5	6.4	18.4
1981	4.8	-2.5	2.7	6.8	2.8
1982	-11.7	-16.3	-20.3	-30.1	-19.8
1983	1.8	6.0	0.0	11.2	4.5
1984	-8.3	0.8	-4.3	-22.1	-8.2
1985	-17.4	-13.8	13.7	74.5	10.0
1986	53.0	50.1	36.5	3.3	32.2
1987	14.4	3.5	4.8	21.8	10.8
1988	20.8	21.2	15.3	38.1	24.2
1989	17.6	29.0	32.4	21.8	25.1
1990	35.8	21.7	39.3	20.0	28.6
1991	29.4	13.2	5.0	-9.3	8.3
1992	-9.1	0.7	-16.0	-3.9	-7.4
1993	-5.7	-8.6	-1.3	-5.0	-5.2
1994	-14.2	-12.8	-13.1	-10.3	-12.7
1995	-6.2	-9.2	-10.4	3.2	-5.7
1996	6.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-11  
HOTEL RENTAL TAX BASE

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Millions of Dollars					
1980	173.9	208.1	163.4	163.3	708.6
1981	177.3	229.3	174.5	189.6	770.7
1982	195.6	243.4	209.9	196.0	844.9
1983	214.7	253.2	189.0	219.3	876.2
1984	232.7	275.0	246.5	230.3	984.5
1985	295.5	326.2	246.6	254.0	1,122.3
1986	275.5	359.9	297.8	279.5	1,212.8
1987	353.2	361.8	346.0	308.4	1,369.4
1988	400.6	361.7	328.3	318.2	1,408.9
1989	374.6	419.1	341.7	369.7	1,505.1
1990	419.8	417.0	377.2	359.0	1,573.0
1991	403.5	366.8	395.9	346.7	1,513.0
1992	409.1	424.2	406.8	381.6	1,621.8
1993	398.4	419.2	355.3	354.0	1,527.0
1994	436.8	417.7	421.3	390.6	1,666.4
1995	478.4	447.1	434.3	416.7	1,776.5
1996	518.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-1.4	14.5	4.0	4.1	5.4
1981	2.0	10.2	6.8	16.2	8.8
1982	10.3	6.2	20.3	3.4	9.6
1983	9.8	4.0	-9.9	11.9	3.7
1984	8.4	8.6	30.4	5.0	12.4
1985	27.0	18.6	0.1	10.3	14.0
1986	-6.8	10.3	20.8	10.1	8.1
1987	28.2	0.5	16.2	10.3	12.9
1988	13.4	0.0	-5.1	3.2	2.9
1989	-6.5	15.9	4.1	16.2	6.8
1990	12.1	-0.5	10.4	-2.9	4.5
1991	-3.9	-12.0	5.0	-3.4	-3.8
1992	1.4	15.6	2.8	10.1	7.2
1993	-2.6	-1.2	-12.7	-7.2	-5.8
1994	9.6	-0.4	18.6	10.3	9.1
1995	9.5	7.0	3.1	6.7	6.6
1996	8.3	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-12  
**PRODUCING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	24.3	41.0	36.1	42.2	143.7
1981	41.7	49.0	45.7	40.2	176.6
1982	47.9	45.1	40.3	40.6	173.9
1983	50.7	60.6	54.6	54.4	220.3
1984	57.5	63.2	63.4	58.5	242.6
1985	77.2	67.5	60.8	57.3	262.8
1986	64.6	61.8	63.8	60.9	251.0
1987	75.0	70.2	61.4	67.6	274.2
1988	81.3	74.3	71.9	70.7	298.3
1989	90.8	78.7	75.3	81.6	326.4
1990	87.6	79.8	69.5	80.4	317.3
1991	84.1	79.0	76.3	62.5	301.9
1992	127.5	93.7	87.7	99.8	408.7
1993	124.9	133.3	117.0	99.7	474.9
1994	127.7	118.5	116.2	104.7	467.2
1995	122.3	106.7	120.0	108.5	457.5
1996	124.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-41.7	-5.2	-0.1	18.2	-8.4
1981	71.4	19.5	26.6	-4.9	22.9
1982	14.8	-7.9	-11.9	1.2	-1.5
1983	5.9	34.4	35.5	33.9	26.7
1984	13.5	4.2	16.2	7.6	10.1
1985	34.1	6.9	-4.0	-2.2	8.3
1986	-16.3	-8.6	4.8	6.3	-4.5
1987	16.2	13.8	-3.8	11.1	9.3
1988	8.5	5.8	17.2	4.5	8.8
1989	11.6	5.9	4.7	15.4	9.4
1990	-3.5	1.4	-7.7	-1.5	-2.8
1991	-4.0	-1.0	9.7	-22.3	-4.9
1992	51.5	18.6	14.9	59.7	35.4
1993	-2.0	42.2	33.5	-0.1	16.2
1994	2.3	-11.1	-0.6	5.0	-1.6
1995	-4.2	-10.0	3.3	3.6	-2.1
1996	1.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-13  
**4% USE TAX BASE**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Millions of Dollars					
1980	66.8	66.6	70.4	58.1	261.9
1981	49.1	134.3	163.3	89.6	436.3
1982	94.7	90.3	108.5	93.9	387.4
1983	62.1	67.9	59.6	87.8	277.5
1984	95.5	89.0	73.5	96.7	354.6
1985	88.0	80.9	107.7	78.9	355.4
1986	71.0	72.7	73.4	62.6	279.6
1987	88.8	72.2	78.5	78.3	317.8
1988	100.4	90.4	144.4	114.3	449.5
1989	101.8	168.2	97.1	110.1	477.1
1990	124.1	134.4	132.3	111.1	501.9
1991	108.2	120.2	121.3	96.3	446.0
1992	104.4	97.9	98.1	119.0	419.5
1993	113.0	128.3	94.5	101.0	436.7
1994	143.3	106.0	129.9	105.1	484.2
1995	130.6	117.2	109.2	104.2	461.2
1996	127.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	44.3	8.9	10.3	-6.0	12.3
1981	-26.5	101.7	131.8	54.3	66.6
1982	92.8	-32.8	-33.6	4.8	-11.2
1983	-34.4	-24.8	-45.0	-6.5	-28.4
1984	53.7	31.1	23.2	10.2	27.8
1985	-7.8	-9.1	46.5	-18.4	0.2
1986	-19.3	-10.1	-31.9	-20.7	-21.3
1987	25.1	-0.6	7.0	25.0	13.6
1988	13.0	25.2	84.0	46.1	41.5
1989	1.4	86.0	-32.8	-3.7	6.1
1990	21.9	-20.1	36.3	0.9	5.2
1991	-12.8	-10.5	-8.4	-13.3	-11.1
1992	-3.5	-18.6	-19.1	23.5	-6.0
1993	8.2	31.0	-3.7	-15.2	4.1
1994	26.8	-17.4	37.5	4.1	10.9
1995	-8.8	10.6	-15.9	-0.9	-4.8
1996	-2.6	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

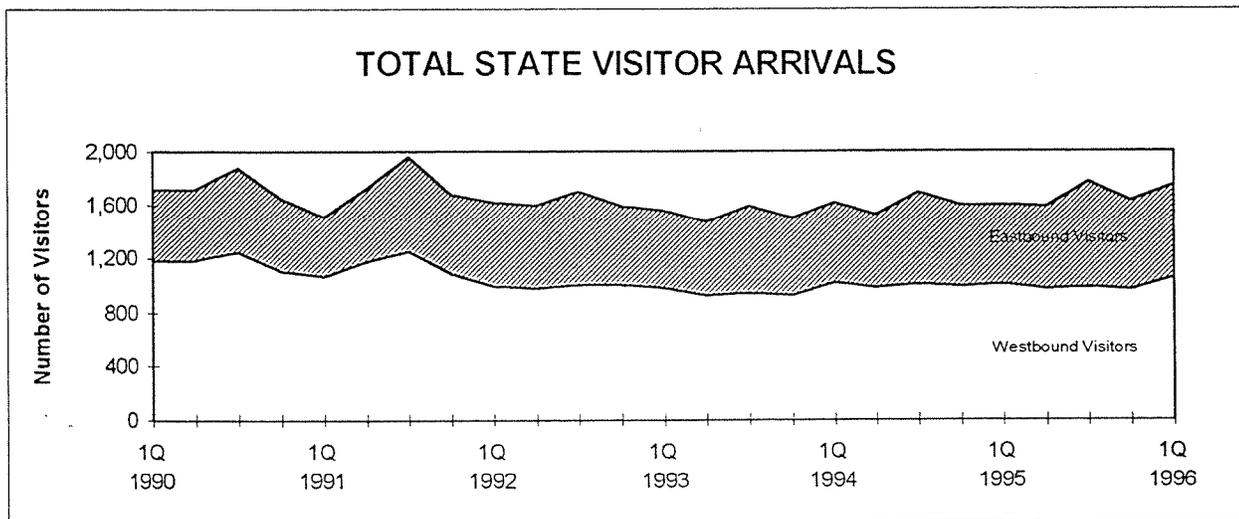
## TOURISM

As reported by PKF-Hawaii, the state-wide hotel occupancy rate was 82.1 percent in the first quarter of 1996, the highest since the first quarter of 1990 (table D-7). This was the result of a continued increase in the number of visitors to Hawaii, primarily from Japan. As presented in table D-1, the number of visitor arrivals totaled 1,752,910, or an increase of 9.5 percent from the first quarter of 1995 to the first quarter of 1996. This is the highest first quarter growth since 1989 (table D-2). A previous first quarter peak occurred in 1990 when the number of visitor arrivals reached 1,714,800. For 1994 and 1995, visitor arrivals increased 5.0 percent and 2.5 percent, respectively. The faster growth of Eastbound visitors has resulted in a higher proportion of Eastbound visitor arrivals. The proportion was 39.8 percent in the first quarter of 1996 as compared to 32.3 percent in 1990 and 22.6 percent in 1980 (calculated from table D-1).

Higher hotel occupancy rates enabled

the state's resort condos and hotels to charge higher room rates. As reported by the Hawaii Department of Taxation, the general excise tax base for hotel rentals increased 8.3 percent in the first quarter of 1996 relative to the same period in 1995, continuing the annual 6.6 percent increase in 1995 over 1994 (table C-11)

As previously mentioned, the State's 9.5 percent increase in visitor arrivals during the first quarter of 1996 was not evenly divided among the four counties. Hotel occupancy rates increased in all four counties from the first quarter of 1995 to the first quarter of 1996. The absolute increase ranged from 1.6 percentage points on Oahu to 4.3 percentage points for Kauai (tables 2 to 4). For the county of Kauai, the increase in both the number of hotel jobs and visitor arrivals indicate that the Kauai visitor industry has recovered to about 75.0 percent of the pre-Iniki level (1991).



Source: Research and Economic Analysis Division, DBEDT.

Table D-1

## VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS

Year	Visitors Staying Overnight or Longer			Average Number of Visitors Present Daily		
	Westbound	Eastbound	Total	Westbound	Eastbound	Total
1980	3,046,132	888,372	3,934,504	86,722	9,709	96,431
1981	2,974,791	959,832	3,934,623	85,475	10,519	95,994
1982	3,278,525	964,400	4,242,920	94,811	10,570	105,381
1983	3,396,115	971,990	4,368,105	97,388	10,650	108,038
1984	3,721,380	1,134,200	4,855,580	106,268	12,400	118,668
1985	3,708,610	1,175,500	4,884,110	103,857	12,880	116,737
1986	4,256,390	1,350,590	5,606,980	118,152	14,800	132,952
1987	4,204,010	1,595,820	5,799,830	116,868	17,490	134,358
1988	4,264,730	1,877,690	6,142,420	115,739	25,650	141,389
1989	4,705,320	1,936,500	6,641,820	128,173	34,190	162,363
1990	4,719,730	2,251,450	6,971,180	125,626	36,441	162,067
1991	4,584,460	2,289,430	6,873,890	121,172	36,158	157,330
1992	3,980,120	2,533,760	6,513,880	113,806	39,526	153,332
1993	3,764,520	2,359,710	6,124,230	108,122	40,613	148,735
1994	3,997,820	2,432,480	6,430,300	115,281	43,966	159,247
1995	3,933,110	2,656,020	6,589,130	114,243	44,109	158,352
1996 1 Qtr.	1,054,760	698,150	1,752,910	128,267	46,417	174,684
Percentage Change from the Same Period in Previous Year						
1980	-3.0	8.2	-0.7	-3.2	7.9	-2.2
1981	-2.3	8.0	0.0	-1.4	8.3	-0.5
1982	10.2	0.5	7.8	10.9	0.5	9.8
1983	3.6	0.8	3.0	2.7	0.8	2.5
1984	9.6	16.7	11.2	9.1	16.4	9.8
1985	-0.3	3.6	0.6	-2.3	3.9	-1.6
1986	14.8	14.9	14.8	13.8	14.9	13.9
1987	-1.2	18.2	3.4	-1.1	18.2	1.1
1988	1.4	17.7	5.9	-1.0	46.7	5.2
1989	10.3	3.1	8.1	10.7	33.3	14.8
1990	0.3	16.3	5.0	-2.0	6.6	-0.2
1991	-2.9	1.7	-1.4	-3.5	-0.8	-2.9
1992	-13.2	10.7	-5.2	-6.1	9.3	-2.5
1993	-5.4	-6.9	-6.0	-5.0	2.8	-3.0
1994	6.2	3.1	5.0	6.6	8.3	7.1
1995	-1.6	9.2	2.5	-0.9	0.3	-0.6
1996 1 Qtr.	4.4	18.2	9.5	1.9	10.5	4.1

Sources: Department of Business, Economic Development & Tourism, *Hawaii Data Book*, 1987; *Hawaii Data Book*, 1993-94; Hawaii Visitors Bureau.

Table D-2  
**TOTAL VISITOR ARRIVALS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1980	1,004.8	942.9	1,047.3	939.5	3,934.5
1981	959.0	984.5	1,042.3	948.8	3,934.6
1982	1,054.0	1,048.7	1,110.7	1,029.5	4,242.9
1983	1,069.9	1,071.5	1,146.4	1,080.2	4,368.1
1984	1,218.5	1,206.8	1,222.9	1,207.4	4,855.6
1985	1,301.5	1,129.6	1,266.9	1,186.2	4,884.1
1986	1,393.2	1,421.2	1,450.9	1,341.8	5,607.0
1987	1,448.9	1,370.0	1,555.2	1,425.8	5,799.8
1988	1,484.9	1,488.2	1,635.6	1,533.7	6,142.4
1989	1,683.7	1,605.1	1,754.8	1,598.3	6,641.8
1990	1,714.8	1,724.4	1,879.9	1,652.2	6,971.2
1991	1,509.5	1,727.2	1,958.3	1,678.9	6,873.9
1992	1,622.2	1,598.0	1,703.6	1,590.1	6,513.9
1993	1,559.6	1,476.3	1,588.9	1,499.5	6,124.2
1994	1,615.6	1,527.7	1,692.7	1,594.2	6,430.3
1995	1,601.5	1,584.6	1,772.8	1,630.3	6,589.1
1996	1,752.9	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	-5.3	6.5	-0.9	-1.9	-0.7
1981	-4.6	4.4	-0.5	1.0	0.0
1982	9.9	6.5	6.6	8.5	7.8
1983	1.5	2.2	3.2	4.9	3.0
1984	13.9	12.6	6.7	11.8	11.2
1985	6.8	-6.4	3.6	-1.8	0.6
1986	7.0	25.8	14.5	13.1	14.8
1987	4.0	-3.6	7.2	6.3	3.4
1988	2.5	8.6	5.2	7.6	5.9
1989	13.4	7.9	7.3	4.2	8.1
1990	1.8	7.4	7.1	3.4	5.0
1991	-12.0	0.2	4.2	1.6	-1.4
1992	7.5	-7.5	-13.0	-5.3	-5.2
1993	-3.9	-7.6	-6.7	-5.7	-6.0
1994	3.6	3.5	6.5	6.3	5.0
1995	-0.9	3.7	4.7	2.3	2.5
1996	9.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors Bureau.

Table D-3  
**WESTBOUND VISITORS**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Thousands of Persons					
1980	791.6	720.9	816.6	717.1	3,046.1
1981	733.2	740.2	791.4	710.0	2,974.8
1982	828.0	795.9	865.6	789.1	3,278.5
1983	845.4	828.1	893.9	828.6	3,396.1
1984	954.3	923.0	922.8	921.3	3,721.4
1985	1,011.8	840.2	957.8	898.9	3,708.6
1986	1,087.6	1,094.3	1,073.1	1,001.4	4,256.4
1987	1,084.1	999.9	1,102.4	1,017.6	4,204.0
1988	1,047.4	1,028.8	1,088.1	1,100.4	4,264.7
1989	1,198.6	1,145.6	1,213.7	1,147.4	4,705.3
1990	1,179.4	1,189.3	1,245.3	1,105.7	4,719.7
1991	1,066.9	1,175.7	1,255.0	1,087.0	4,584.5
1992	995.8	976.5	1,004.6	1,003.3	3,980.1
1993	979.8	924.5	937.1	923.1	3,764.5
1994	1,019.3	979.1	1,009.8	989.6	3,997.8
1995	1,010.7	971.4	985.0	966.1	3,933.1
1996	1,054.8	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-9.2	5.7	-2.9	-3.7	-3.0
1981	-7.4	2.7	-3.1	-1.0	-2.3
1982	12.9	7.5	9.4	11.1	10.2
1983	2.1	4.1	3.3	5.0	3.6
1984	12.9	11.5	3.2	11.2	9.6
1985	6.0	-9.0	3.8	-2.4	-0.3
1986	7.5	30.2	12.0	11.4	14.8
1987	-0.3	-8.6	2.7	1.6	-1.2
1988	-3.4	2.9	-1.3	8.1	1.4
1989	14.4	11.4	11.5	4.3	10.3
1990	-1.6	3.8	2.6	-3.6	0.3
1991	-9.5	-1.1	0.8	-1.7	-2.9
1992	-6.7	-16.9	-19.9	-7.7	-13.2
1993	-1.6	-5.3	-6.7	-8.0	-5.4
1994	4.0	5.9	7.8	7.2	6.2
1995	-0.8	-0.8	-2.5	-2.4	-1.6
1996	4.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors Bureau.

Table D-4  
**EASTBOUND VISITORS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	213.3	221.9	230.7	222.5	888.4
1981	225.9	244.2	251.0	238.8	959.8
1982	226.1	252.8	245.2	240.4	964.4
1983	224.5	243.4	252.4	251.6	972.0
1984	264.2	283.8	300.1	286.1	1,134.2
1985	289.7	289.4	309.1	287.3	1,175.5
1986	305.5	326.9	377.7	340.4	1,350.6
1987	364.8	370.1	452.8	408.2	1,595.8
1988	437.5	459.4	547.5	433.3	1,877.7
1989	485.1	459.6	541.0	450.9	1,936.5
1990	535.3	535.1	634.6	546.5	2,251.5
1991	442.6	551.5	703.3	592.0	2,289.4
1992	626.4	621.5	699.0	586.9	2,533.8
1993	579.8	551.7	651.7	576.4	2,359.7
1994	596.3	548.6	682.9	604.6	2,432.5
1995	590.8	613.2	787.8	664.2	2,656.0
1996	698.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	13.0	9.1	6.9	4.4	8.2
1981	5.9	10.0	8.8	7.3	8.0
1982	0.1	3.5	-2.3	0.7	0.5
1983	-0.7	-3.7	3.0	4.7	0.8
1984	17.7	16.6	18.9	13.7	16.7
1985	9.6	2.0	3.0	0.4	3.6
1986	5.5	13.0	22.2	18.5	14.9
1987	19.4	13.2	19.9	19.9	18.2
1988	19.9	24.1	20.9	6.2	17.7
1989	10.9	0.0	-1.2	4.0	3.1
1990	10.4	16.4	17.3	21.2	16.3
1991	-17.3	3.1	10.8	8.3	1.7
1992	41.5	12.7	-0.6	-0.9	10.7
1993	-7.4	-11.2	-6.8	-1.8	-6.9
1994	2.8	-0.6	4.8	4.9	3.1
1995	-0.9	11.8	15.4	9.9	9.2
1996	18.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors Bureau.

Table D-5  
**AVERAGE DAILY VISITOR CENSUS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>In Thousands of Persons</b>					
1990	168.4	155.4	170.2	154.4	162.1
1991	150.0	161.2	171.4	146.7	157.3
1992	160.9	146.1	155.0	151.3	153.3
1993	157.5	137.7	151.8	148.0	148.7
1994	174.6	143.5	157.4	161.4	159.2
1995	167.8	146.9	162.6	156.1	158.4
1995	174.7	n/a	n/a	n/a	n/a
<b>Average Daily Westbound Visitors</b>					
1990	132.9	122.4	127.7	119.5	125.6
1991	119.4	127.2	127.4	110.8	121.2
1992	123.1	108.4	110.0	113.7	113.8
1993	119.9	101.8	103.2	107.6	108.1
1994	127.6	106.3	109.7	117.6	115.3
1995	125.8	106.4	110.1	114.6	114.2
1996	128.3	n/a	n/a	n/a	n/a
<b>Average Daily Eastbound Visitors</b>					
1990	35.4	33.0	42.5	34.9	36.4
1991	30.6	34.1	44.0	35.9	36.2
1992	37.7	37.7	45.1	37.6	39.5
1993	37.6	35.9	48.6	40.4	40.6
1994	47.0	37.2	47.7	43.9	44.0
1995	42.0	40.4	52.4	41.6	44.1
1996	46.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors Bureau.

Table D-6  
**AVERAGE DAILY VISITOR CENSUS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Percentage Change from the Same Period in Previous Year</b>					
1991	-10.9	3.8	0.7	-4.9	-2.9
1992	7.3	-9.4	-9.5	3.1	-2.5
1993	-2.1	-5.8	-2.1	-2.2	-3.0
1994	10.9	4.2	3.7	9.1	7.1
1995	-3.9	2.3	3.3	-3.3	-0.6
1996	4.1	n/a	n/a	n/a	n/a
<b>Average Daily Westbound Visitors</b>					
1991	-10.2	3.9	-0.3	-7.2	-3.5
1992	3.2	-14.7	-13.7	2.6	-6.1
1993	-2.6	-6.1	-6.1	-5.4	-5.0
1994	6.4	4.4	6.3	9.3	6.6
1995	-1.4	0.2	0.4	-2.5	-0.9
1996	1.9	n/a	n/a	n/a	n/a
<b>Average Daily Eastbound Visitors</b>					
1991	-13.7	3.4	3.7	3.0	-0.8
1992	23.3	10.6	2.4	4.7	9.3
1993	-0.3	-4.8	7.8	7.4	2.7
1994	25.2	3.7	-1.8	8.6	8.3
1995	-10.7	8.6	9.9	-5.3	0.3
1996	10.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors Bureau.

Table D-7  
**HOTEL OCCUPANCY RATE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Percentage					
1980	78.4	67.9	67.3	65.3	69.7
1981	72.0	66.5	70.2	64.1	68.2
1982	79.0	65.9	70.9	66.7	70.6
1983	75.2	68.1	71.7	66.5	70.4
1984	84.0	75.6	74.6	75.1	77.3
1985	88.1	69.1	75.0	72.5	76.2
1986	87.0	78.8	79.9	76.8	80.6
1987	88.0	77.1	82.1	77.8	81.2
1988	81.7	75.1	81.3	75.1	78.3
1989	85.9	73.9	81.0	75.7	79.1
1990	83.9	75.5	81.0	74.3	78.7
1991	68.2	70.7	79.7	72.5	72.8
1992	75.3	68.6	75.5	75.2	73.6
1993	75.3	67.9	73.8	72.5	72.4
1994	80.9	72.7	79.1	74.8	76.9
1995	80.2	71.8	80.2	75.4	76.7
1996	82.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

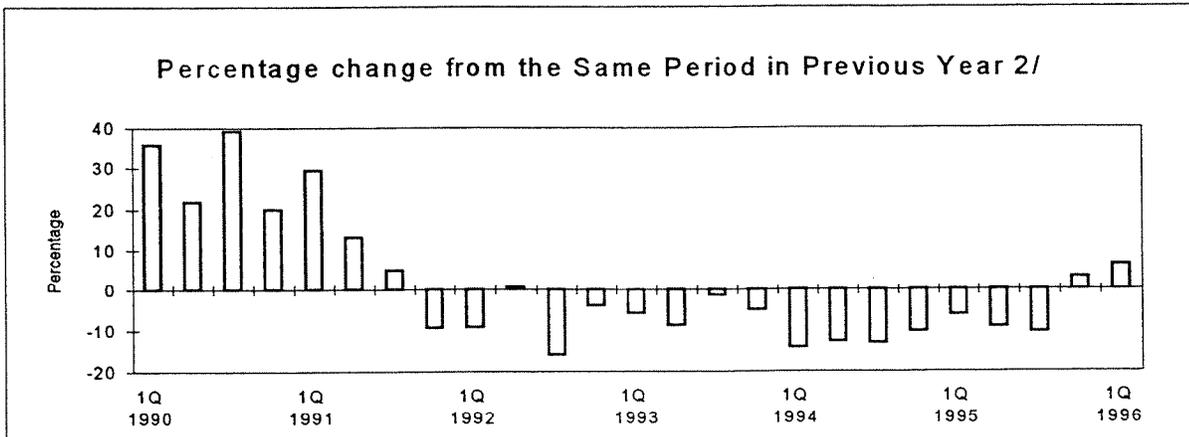
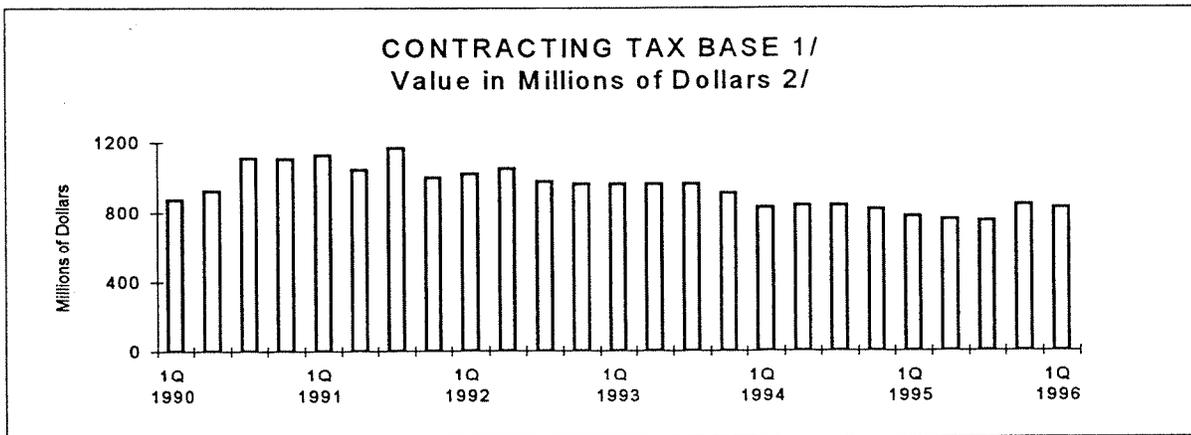
Source: PKF Hawaii.

# CONSTRUCTION

The value of construction completed showed an increase of 6.0 percent in the first quarter of 1996 (table E-2). For three quarters in a row, the value of construction completed was above the \$800 million level. This is a significant improvement from the first and second quarters of 1995.

For 1995, the value of construction

completed fell 4.9 percent last year (table E-2). The value of private building authorizations, an indicator of future construction, declined substantially in the first quarter of 1996 relative to the same period in 1995 (table E-2). Government contracts awarded increased 8.8 percent from the first quarter of 1995 to the first quarter of 1996.



Notes: 1/ The Contracting Tax Base is attributed to every business engaging in the practice of architecture, engineering, land surveying, landscape architecture, and the practice of pest control or fumigation.

2/ Data corresponds to Table C-10 (Contracting Tax Base).

Source: Research and Economic Analysis Division, DBEDT.

Table E-1

**ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW PRIVATE BUILDING AUTHORIZATIONS, AND GOVERNMENT CONTRACTS AWARDED**

Year	Value of Construction Completed 1/	Private Building Authorization				Government Contracts Awarded	
		Total Private Authorizations	Residential	Commercial and Industrial 2/	Additions and Alterations		
In Millions of Dollars							
1980	1,569.7	1,219.2	680.2	331.5	207.5	244.5	
1981	1,584.7	802.0	398.3	240.8	162.9	429.2	
1982	1,323.9	683.1	299.2	242.9	141.1	391.6	
1983	1,334.2	685.2	296.2	203.2	185.9	275.0	
1984	1,227.2	581.5	327.7	104.0	149.9	388.7	
1985	1,429.6	888.4	500.1	208.8	180.1	248.9	
1986	1,802.1	1,025.2	455.5	267.4	302.3	422.7	
1987	2,145.5	1,161.9	507.0	344.4	310.5	370.9	
1988	2,529.0	1,546.5	689.2	541.2	316.1	665.0	
1989	3,193.1	1,882.4	910.7	561.8	409.9	725.2	
1990	4,121.6	2,101.8	952.3	698.0	451.5	825.5	
1991	4,305.3	2,151.8	1,192.0	556.2	403.7	729.4	
1992	3,950.4	1,751.9	811.1	532.3	408.5	1,159.1	
1993	3,785.4	1,496.5	734.7	306.3	455.5	651.8	
1994	3,317.3	1,612.9	849.3	370.3	393.4	693.0	
1995	3,153.4	1,531.3	745.6	368.3	417.4	490.2	
1995	1 Qtr.	757.6	422.4	223.2	102.7	96.5	149.4
	2 Qtr.	755.8	475.7	173.3	152.1	150.2	110.3
	3 Qtr.	811.7	380.0	222.0	62.8	95.3	105.2
	4 Qtr.	828.3	253.3	127.1	50.7	75.4	125.3
1996	1 Qtr.	803.0	280.4	118.3	78.4	83.7	162.5

Notes: 1/ Value of construction subject to State excise tax, adjusted to reflect reporting delay of about one month.

2/ Includes hotels.

Source: Hawaii State Department of Taxation; F. W. Dodge; County building departments; and First Hawaiian Bank.

Table E-2

## ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW PRIVATE BUILDING AUTHORIZATIONS, AND GOVERNMENT CONTRACTS AWARDED

Year	Value of Construction Completed 1/	Private Building Authorization				Government Contracts Awarded	
		Total Private Authorizations	Residential	Commercial and Industrial 2/	Additions and Alterations		
Percentage Change from the Same Period in Previous Year							
1981	1.0	-34.2	-41.4	-27.4	-21.5	75.5	
1982	-16.5	-14.8	-24.9	0.9	-13.4	-8.8	
1983	0.8	0.3	-1.0	-16.3	31.8	-29.8	
1984	-8.0	-15.1	10.7	-48.8	-19.4	41.3	
1985	16.5	52.8	52.6	100.8	20.2	-36.0	
1986	26.1	15.4	-8.9	28.1	67.9	69.8	
1987	19.1	13.3	11.3	28.8	2.7	-12.3	
1988	17.9	33.1	35.9	57.1	1.8	79.3	
1989	26.3	21.7	32.1	3.8	29.7	9.1	
1990	29.1	11.7	4.6	24.2	10.1	13.8	
1991	4.5	2.4	25.2	-20.3	-10.6	-11.6	
1992	-8.2	-18.6	-32.0	-4.3	1.2	58.9	
1993	-4.2	-14.6	-9.4	-42.5	11.5	-43.8	
1994	-12.4	7.8	15.6	20.9	-13.6	6.3	
1995	-4.9	-5.1	-12.2	-0.5	6.1	-29.3	
1995	1 Qtr.	-2.3	43.2	45.7	5.6	13.8	3.3
	2 Qtr.	-12.8	5.1	-30.4	51.3	46.8	-15.3
	3 Qtr.	-5.6	18.5	1.8	-50.2	-16.4	-63.0
	4 Qtr.	1.6	-36.1	-44.0	-34.6	-18.2	-6.3
1996	1 Qtr.	6.0	-33.6	-47.0	-23.7	-13.3	8.8

Notes: 1/ Value of construction subject to State excise tax, adjusted to reflect reporting delay of about one month.

2/ Includes hotels.

Source: Hawaii State Department of Taxation; F. W. Dodge; County building departments; and First Hawaiian Bank.

Table E-3

**NUMBER OF SINGLE FAMILY UNITS AUTHORIZED**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	1,133	1,045	887	990	4,055
1981	775	697	638	539	2,649
1982	472	536	626	651	2,285
1983	896	952	862	707	3,417
1984	1,092	1,324	1,115	911	4,442
1985	802	1,236	1,644	1,269	4,951
1986	925	1,226	1,354	1,195	4,700
1987	1,523	1,639	1,429	1,475	6,066
1988	1,323	1,767	2,096	1,114	6,290
1989	1,474	1,620	1,993	1,777	6,858
1990	1,922	1,476	1,132	1,472	6,002
1991	1,094	1,010	1,303	1,419	4,826
1992	1,317	1,058	1,388	816	4,576
1993	1,147	1,311	1,064	1,228	4,750
1994	961	963	1,426	1,226	4,576
1995	796	1,138	1,180	778	3,892
1996	725	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-22.6	-37.5	-45.2	-30.7	-34.4
1981	-31.6	-33.3	-28.1	-45.6	-34.7
1982	-39.1	-23.1	-1.9	20.8	-13.7
1983	89.8	77.6	37.7	8.6	49.5
1984	21.9	39.1	29.4	28.9	30.0
1985	-26.6	-6.6	47.4	39.3	11.5
1986	15.3	-0.8	-17.6	-5.8	-5.1
1987	64.6	33.7	5.5	23.4	29.1
1988	-13.1	7.8	46.7	-24.5	3.7
1989	11.4	-8.3	-4.9	59.5	9.0
1990	30.4	-8.9	-43.2	-17.2	-12.5
1991	-43.1	-31.6	15.1	-3.6	-19.6
1992	20.4	4.8	6.5	-42.5	-5.2
1993	-12.9	23.9	-23.3	50.5	3.8
1994	-16.2	-26.5	34.0	-0.2	-3.7
1995	-17.2	18.2	-17.3	-36.5	-14.9
1996	-8.9	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: F. W. Dodge; County building departments.

Table E-4

**NUMBER OF MULTI-FAMILY UNITS AUTHORIZED**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	1,237	1,095	2,340	1,931	6,603
1981	742	1,877	409	114	3,142
1982	313	182	1,831	2,268	4,594
1983	11	158	1,058	104	1,331
1984	61	331	134	495	1,021
1985	1,151	696	291	312	2,450
1986	1,247	299	509	424	2,479
1987	488	567	99	305	1,459
1988	428	702	528	935	2,593
1989	309	1,501	664	457	2,931
1990	495	690	349	1,138	2,672
1991	2,330	973	764	736	4,803
1992	520	484	1,219	517	2,740
1993	272	556	1,120	476	2,424
1994	427	974	630	774	2,805
1995	1,290	290	874	192	2,646
1996	220	n/a	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	-47.8	1.3	99.8	13.7	4.0
1981	-40.0	71.4	-82.5	-94.1	-52.4
1982	-57.8	-90.3	347.7	1889.5	46.2
1983	-96.5	-13.2	-42.2	-95.4	-71.0
1984	454.5	109.5	-87.3	376.0	-23.3
1985	1786.9	110.3	117.2	-37.0	140.0
1986	8.3	-57.0	74.9	35.9	1.2
1987	-60.9	89.6	-80.6	-28.1	-41.1
1988	-12.3	23.8	433.3	206.6	77.7
1989	-27.8	113.8	25.8	-51.1	13.0
1990	60.2	-54.0	-47.4	149.0	-8.8
1991	370.7	41.0	118.9	-35.3	79.8
1992	-77.7	-50.3	59.6	-29.8	-43.0
1993	-47.7	14.9	-8.1	-7.9	-11.5
1994	57.0	75.2	-43.8	62.6	15.7
1995	202.1	-70.2	38.7	-75.2	-5.7
1996	-82.9	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: F. W. Dodge; County building departments.

Table E-5

**HONOLULU CONSTRUCTION COST INDEX:  
1980-1995, SINGLE FAMILY RESIDENCE (1992=100)**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	60.9	59.5	60.7	61.7	60.7
1981	61.6	61.3	62.9	63.9	62.4
1982	65.4	64.5	65.0	66.3	65.3
1983	69.6	71.0	72.4	73.1	71.5
1984	74.7	74.3	74.5	75.0	74.6
1985	76.1	75.7	77.6	77.2	76.6
1986	78.5	78.1	79.1	81.5	79.3
1987	80.9	81.3	82.5	83.6	82.1
1988	86.7	85.4	86.6	88.0	86.7
1989	89.5	90.5	90.3	91.5	90.5
1990	91.6	92.5	97.3	99.0	95.1
1991	98.6	97.7	98.3	99.1	98.4
1992	101.5	102.7	103.1	103.3	102.7
1993	108.2	114.9	112.2	110.6	115.5
1994	118.4	124.3	121.6	120.5	121.2
1995	117.6	117.8	118.4	119.5	118.3
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	10.0	5.8	5.9	4.1	6.5
1981	1.2	3.0	3.6	3.6	2.8
1982	6.2	5.2	3.3	3.8	4.6
1983	6.4	10.1	11.4	10.3	9.5
1984	7.3	4.6	2.9	2.6	4.3
1985	1.9	1.9	4.2	2.9	2.7
1986	3.2	3.2	1.9	5.6	3.5
1987	3.1	4.1	4.3	2.6	3.5
1988	7.2	5.0	5.0	5.3	5.6
1989	3.2	6.0	4.3	4.0	4.4
1990	2.3	2.2	7.8	8.2	5.1
1991	7.6	5.6	1.0	0.1	3.5
1992	2.9	5.1	4.9	4.2	4.4
1993	6.6	11.9	8.8	7.1	12.5
1994	9.4	8.2	8.4	9.0	4.9
1995	-0.7	-5.2	-2.6	-0.8	-2.4

Source: F. W. Dodge; County building departments.

Table E-6

**HONOLULU CONSTRUCTION COST INDEX:  
1980-1995, HIGH-RISE BUILDING (1992=100)**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	57.6	58.0	59.5	60.8	59.0
1981	61.1	61.9	63.0	64.7	62.7
1982	67.0	66.1	66.7	68.6	67.1
1983	71.4	71.0	71.7	72.7	71.7
1984	75.0	73.9	74.1	74.6	74.4
1985	76.2	75.0	76.7	76.8	76.2
1986	78.5	77.4	78.1	79.5	78.4
1987	80.3	81.0	81.3	81.3	81.0
1988	84.7	83.4	84.3	86.0	84.6
1989	88.1	89.1	89.2	91.0	89.4
1990	90.8	92.0	98.5	100.2	95.4
1991	99.6	98.7	99.6	99.0	99.2
1992	99.7	98.5	99.6	100.0	99.4
1993	102.7	103.3	104.0	105.8	103.9
1994	107.7	109.1	109.6	113.2	109.9
1995	113.5	113.6	114.5	116.0	114.4
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	10.9	9.1	10.2	8.8	9.8
1981	6.1	6.7	5.9	6.4	6.3
1982	9.7	6.8	5.9	6.0	7.0
1983	6.6	7.4	7.5	6.0	6.9
1984	5.0	4.1	3.3	2.6	3.8
1985	1.6	1.5	3.5	2.9	2.4
1986	3.0	3.2	1.8	3.5	2.9
1987	2.3	4.7	4.1	2.3	3.3
1988	5.5	3.0	3.7	5.8	4.4
1989	4.0	6.8	5.8	5.8	5.7
1990	3.1	3.3	10.4	10.1	6.7
1991	9.7	7.3	1.1	-1.2	4.0
1992	0.1	-0.2	0.0	1.0	0.2
1993	3.0	4.9	4.4	5.8	4.5
1994	4.9	5.6	5.4	7.0	5.8
1995	5.4	4.1	4.5	2.5	4.1

Source: F. W. Dodge; County building departments.

## TERMS AND DEFINITIONS

**All Others** - includes all gross income from any business, trade, activity, occupation, or calling not included above.

**Average Daily Visitor Census** - is the average number of visitors present daily in the state. Figures are computed monthly by the Hawaii Visitors Bureau, based on arrival and departure dates from inflight questionnaires.

**Civilian Employment** - refers to persons 16 years of age or older, who during the survey week containing the 12th of the month were either at work for pay or profit, or worked without pay for 15 hours or more on a family farm or business, or were with a job but not at work. Both permanent and temporary employees and those who are working either full- or part-time are included.

**Civilian Labor Force** - is the total of employed and unemployed persons, excluding those in the armed forces and 16 years of age or under. Surveys are done by census from the Department of Labor.

**Civilian Unemployment** - is defined as persons who are 16 years of age or older, and (1) who did not work at all during the survey week but were actively seeking work and were available for work; or (2) who did not work at all, were available for work, and were waiting to be called back from layoff or were waiting to report to a new wage or salary job within 30 days.

**Commissions** - includes the gross income from activities which consists of commissions. Does not include the rendering of services by an employee to his employer.

**Construction Jobs** - are jobs held by any person engaged in construction, repairing, erecting, or improving buildings or structures of any type or description, and any installations therein. Such construction includes not only residential and non-residential building projects, both private and public, but also highway and road construction, street and sidewalk construction, repair, excavations, bridges, docks, and other heavy construction projects.

**Contracting** - includes building contractors, land developers, architects, engineers, and pest control operators.

**Contracting Tax Base** - is the total receipts of businesses engaged in contracting to erect, construct, repair, or improve buildings or structures of any kind or description, or to make any installation therein. It is attributed to every business engaging in the practice of architecture, engineering, land surveying, landscape architecture, and the practice of pest control or fumigation.

**Contribution to Social Insurance** - are funds paid out to the federal government to satisfy FICA (social security) requirements.

**Dividends, Interest, and Rent** - is income derived from corporate earnings, bank accounts, real estate activity, other rental activity, and any other income based on investments.

**Eastbound Visitors** - represents those visitors who stayed in Hawaii for at least one night but less than one year (if students, less than six months), from Asia, Australia, and the Pacific. Since the Hawaii Visitors Bureau does not have a visitor profile encompassing the entire eastbound travel market, this figure is obtained by subtracting the westbound overnight or longer visitors from the total visitor arrivals.

**General Excise (Gross Income) Tax** - is a tax charged to businesses on the gross proceeds of sales or gross income. The tax rate is 1/2 of 1% on wholesaling and intermediary services, blind vendors, producing, manufacturing, sugar processing and pineapple canning; all other activities (retailing business and professional services, contracting, theater, amusement, radio, interest, commissions, rentals) are taxed at .4%, except insurance commissions received by general agents, subagents and solicitors, who are taxed at .15%.

**General Excise and Use Tax Base** - is the taxable sales of all goods and services. It is one of the most comprehensive measures of business activity in the state.

**General Fund Tax Revenues** - is the general government fund used to account for all financial resources except those required to be accounted for in another fund, such as the highway fund, capital improvement fund, or airport fund.

**Government, State and Local** - includes activities or expenditures of the legislative and judicial branches, and some functions of the executive branch of government. It also includes expenditures for staff agencies such as the accounting, budget, purchasing, tax, and data processing offices.

**Honolulu Consumer Price Index** - is a measure of the average change in prices over time for a fixed market basket of goods and services published by the Bureau of Labor Statistics. The index measures price changes from a designated reference date (i.e., 1982-84), which equals 100.0. An increase of 7 percent, for example, is shown as 107.0. This change can also be expressed in dollars as follows: the price of a base period "market basket" of goods and services in the CPI has risen from \$100 in 1982-84 to \$107. Data are updated twice a year.

**Hotel Jobs** - are all jobs contained on a hotel payroll. The count varies between hotels depending on the reporting methods of the hotel.

**Hotel Occupancy** - is the percentage of occupied rooms in a hotel vis-à-vis the unoccupied rooms. Hotel occupancy rates depend not only on the number of visitors and their length of stay, but also on the hotel room inventory, e.g., a large increase in new hotel units results in a drop in occupancy rates, until such time as visitor traffic builds up enough to fill them. Rates are obtained from a sample survey conducted on a monthly basis.

**Hotel Rental Tax Base** - is the economic base from which all hotel business activity is taxed. Includes the furnishing of temporary accommodations in a hotel, or other place in which lodgings are regularly furnished to transients for compensation.

**Hotel Rentals** - includes gross income from the furnishing of temporary accommodations in a hotel, or other place in which lodgings are regularly furnished to transients for compensation.

**Insurance Commissions** - includes commissions received by a licensed solicitor, general agent, or sub-agent that is subject to the Hawaii insurance law.

**Interest** - includes interest and any gross income in the nature of interest received or derived from a business activity or from the investment of the capital of a business.

**Labor Force** - See Civilian Labor Force.

**Manufacturing** - includes compounding, canning, preserving, packing, printing, publishing, mailing, processing, refining, or preparing for sale, profit, or commercial use, either directly or through the activity of others, in whole or in part, any article, substance, or commodity.

**Manufacturing Jobs** - are jobs in manufacturing industries, such as textiles, apparel, printing, publishing, food processing, and durable goods.

**Manufacturing Tax Base** - represents the tax base on all manufacturing activities, excluding sugar processing and pineapple canning. Manufacturing refers to any person or establishment who buys materials and performs work on such materials or processes, and changes such materials into a finished or semi-finished product. Direct wholesale and retail sales by manufacturers are not included in manufacturing tax sales.

**Net Income Tax** - is the tax rate for individuals as well as estates and trusts, ranging from 2.0% to 10.0% of taxable income. The allowable standard deduction amounts vary by filing status—\$1900 for married filing joint return or surviving spouse with dependent child; \$1500 for single; \$1650 for head of household, and \$950 for married filing separately. Tax rates for corporations are 4.4% up to \$25,000; 5.4% for \$25,000 to \$100,000; and 6.4% over \$100,000.

**Non-Agricultural Wage and Salary Jobs** - is derived monthly from a sample survey of employers reporting the number of persons who received pay for any part of the pay period containing the 12th of the month. Included are all full- and part-time non-agricultural workers, permanent and temporary workers, and workers on paid sick leave and paid vacation.

**Other Labor Income** - is labor income other than wages and salaries.

**Other Rentals** - includes rental income from real or personal property except the furnishing of transient accommodations in a hotel or other place in which lodgings are regularly furnished to transients for compensation.

**Personal Income** - is income received by all individuals in an economy from all sources, made up of wages and salaries, other labor income, and the difference between transfer payments and personal contributions for social insurance. This figure is compiled by the Bureau of Economic Analysis (BEA).

**Price Index** - is a weighted average of prices in the economy at any given time, divided by the prices of the same goods in a base year. For example, the Consumer Price Index is the ratio of an average of the prices of consumer goods in each month to the average prices of the same goods in 1982-84, the base year.

**Producing** - includes fishing, raising, or producing of agricultural, animal, or poultry products in their natural state (or butchered, dressed, or natural resource products). Also includes the sale or geothermal resources or electrical energy produced by geothermal resources.

**Proprietors' Income** - measures the earnings of unincorporated businesses, (proprietorships, partnerships, and producers' cooperatives), from their current business operations. It includes both farm and nonfarm businesses, but excludes capital gains and losses.

**Retailing** - includes all sales of tangible personal property to the customer for use or consumption and not for resale.

**Retailing Tax Base** - includes the general excise tax base on retailing, the tax base on the use tax, and the tax base on the sales by blind vendors. Retail sales include sales for consumption or use by the purchaser and not for resale. The general excise tax at the retail level (4%) is sometimes loosely called a sales tax. However, it differs from a typical sales tax in two respects: (1) it is a tax on the gross income of the seller rather than a tax on the purchase price of the buyer; (2) the retail excise

tax in Hawaii applies to all retail sales (both goods and services) whereas most Mainland sales taxes exempt some commodities like food and services.

**Services** - includes all activities engaged in for other persons for a consideration which involve the rendering of a service as distinguished from the sale of tangible property or the production and sale of tangible property. Includes all professional services.

**Services Tax Base** - includes tax base data on establishments primarily engaged in providing a wide variety of services for individuals, business and government establishments, and other organizations; hotels and other lodging places; establishments providing personal, business, repair, and amusement services; health, legal, engineering, and other professional services; educational institutions; membership organizations and other miscellaneous services.

**Tax Base** - is the total amount of receipts in which taxes can be assessed.

**Total Jobs** - includes non-agricultural wage and salary workers, non-agricultural self-employed, unpaid family workers, domestics, and all agricultural workers. Persons on the payroll of more than one establishment during the pay period are counted in each establishment which reports them, if they received pay for any part of the specified pay period, but are not considered employed if they received no pay at all.

**Total Visitors** - represents those visitors who stayed in Hawaii for at least one night but less than one year (if students, less than six months). It includes both westbound arrivals (traveling from North America) and eastbound arrivals (traveling from Asia, Australia, and Oceania).

**Transfer Payments** - are payments made for which no goods or services are produced in return. Examples are welfare and social security.

**Transient Accommodations Tax** - is a tax levied on the furnishing of a room, apartment, suite or the like which is customarily occupied by the transient for less than 180 consecutive days for each letting by a hotel, apartment, motel, horizontal property regime or cooperative apartment, rooming house, or other place in which lodgings are

generally furnished to transients for consideration. The tax is imposed at the rate of 6%. The registration fee for transient accommodations operators is a one-time fee of \$5 for each registration consisting of 1 to 5 units and \$15 for 6 or more units.

**Unemployment Rate** - is a ratio of unemployed persons divided by the civilian labor force.

**Use Tax** - is an excise tax levied on tangible personal property which is imported or purchased from an unlicensed seller for use in the state. The tax is based upon the purchase price or value of the tangible personal property purchased or imported, whichever is applicable. Rates: 1/2 of 1%, if for resale at retail; 4%, if for use or consumption.

**Wages and Salaries** - is income received for services rendered.

**Westbound Visitors** - represents those visitors who stayed in Hawaii for at least one night but less than one year (if students, less than six months), who are traveling from North America (Mainland U.S.).

**Wholesaling** - includes sales of tangible personal property to licensed persons for resale or incorporation into a product or project, and sales to certain leasing companies.