



***QUARTERLY  
STATISTICAL  
& ECONOMIC  
REPORT***



***December 1999***



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 & 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 State of Hawaii and the four counties.

Director, Dr. Seiji F. Naya, heads the department. This report was prepared under the direction of the division administrator, Dr. Pearl Imada Iboshi.

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 quarterly information contained in this report reflects data received by the Research Division on or before December 9, 1999.

#### On-line availability of *Quarterly Statistical and Economic Report*

Since 1988, the Hawaii Department of Business, Economic Development & Tourism has had the *State of Hawaii Data Book* available on-line to anyone with a personal computer and a modem. Since 1997, the *Quarterly Statistical and Economic Report*, *State of Hawaii Data Book* and other DBEDT publications and information have been made available over the Internet at <http://www.dbedt.hawaii.gov/index.html>.

For further information about available data and sources, users should call the Research and Economic Analysis Division's Business Resource Center at (808) 586-2424.

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## STATE OF THE ECONOMY

Improvement in Hawaii's economic indicators continued in the third quarter. The unemployment rate's steady decline persisted, and the number of non-agricultural wage and salary jobs increased slightly. Personal income growth remained above 2.0 percent, and the number of visitor arrivals continued to grow. While construction activity showed some cooling after the fast pace of the first half of the year, the decline in bankruptcy filings accelerated.

Labor market indicators generally improved in the third quarter relative to the third quarter of 1998. The unemployment rate dropped by almost a full percentage point to 5.6 percent (Table 1). For the year through September, the unemployment rate stood at 5.7 percent—down 0.7 percentage points from the same period last year.

For the first time in many quarters *both* civilian employment *and* non-agricultural wage and salary jobs increased in the third quarter. Civilian employment grew by 1.1 percent and non-agricultural wage and salary jobs expanded by 0.1 percent. These two measures of the labor market have diverged more or less steadily since 1995. Although it is too early to tell whether this trend has reversed, these signs are encouraging. For the year through September, however, non-agricultural wage and salary jobs were again slightly down while civilian employment grew.

Wage and salary job growth came primarily from services. Services employment expanded by 1.7 percent in the third quarter relative to the year-earlier quarter. For the year through September, service jobs have grown 1.9 percent from the

previous year. Growth in health services has been an important part of this growth.

State general fund revenues were 0.4 percent lower in the third quarter than in the same period last year. This was primarily due to lower individual income tax receipts related to the reduction in income tax rates currently being phased in. A broad tax measure of economic activity, the general excise and use tax, showed an increase of 3.4 percent in the third quarter—and 2.1 percent for the year through September.

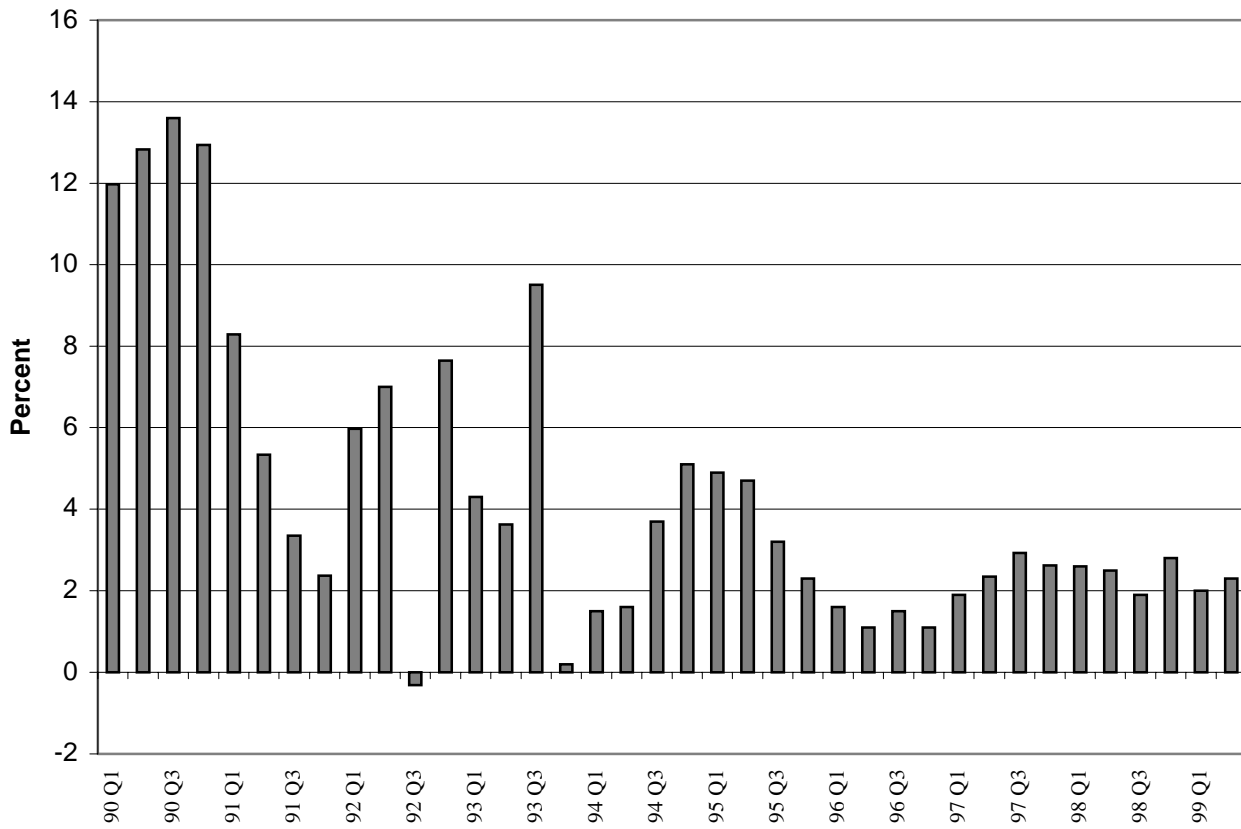
Visitor arrivals posted a strong 3.0 percent increase in the third quarter. The growth came entirely from westbound travelers, where the number of arrivals expanded by 7.5 percent. Eastbound arrivals fell 4.1 percent in the period. For the year through September total arrivals grew 1.4 percent, westbound arrivals were up by 6.0 percent, and eastbound visitors fell by 6.3 percent. Hotel occupancy rates rose by 1.9 percentage points in the third quarter to average 74.8 percent.

The pace of construction activity, as measured by building permit values, cooled in the third quarter. Permit values expanded by 6.1 percent in the third quarter, following average growth of 30 percent in the first two quarters of the year (Table E-1).

The number of bankruptcies continued the decline begun in the second quarter. The total number of bankruptcy filings fell by 12.4 percent in the third quarter, following a decline of 3.2 percent in the second quarter (Table F-1). The decline came primarily in Chapter 7 filings.

**Figure 1. Annual Growth in Personal Income**

[percentage change from the same period in previous year]



Source: Table B-2. Personal Income.

## OUTLOOK OF THE ECONOMY

The conditions facing Hawaii's economy remain largely unchanged since last quarter's report. The U.S. economy continues to grow strongly. Japan's economic recovery is slow and fragile. The rest of East Asia seems to have nearly recovered from the economic and financial crisis that began in 1997. All of this suggests that Hawaii's economy will continue the steady progress it has made recently.

The *Blue Chip Economic Indicators* (a survey of the top U.S. forecasters) for December 10, 1999 reported expected growth for the U.S. economy of 3.9 percent in 1999. For 2000, the Blue Chip forecast raised the expected growth rate from 3.0 percent to 3.2 percent. Consumer price inflation should come in at 2.2 percent in 1999 and rise slightly to 2.5 percent in 2000. The forecasters expect 1999 unemployment to finish at 4.2 percent and to remain at a low 4.3 percent next year. Another forecasting summary, *Consensus Forecasts - USA*, reported similar forecasts in their November 8, 1999 report.

Because it is an important visitor source, California's economic performance is of special interest to Hawaii. In September, the UCLA Anderson School of Business forecast growth in California's real personal income in 1999 at 3.7 percent—and 3.6 percent in 2000. California employment was expected to expand by 2.2 percent in 1999 and by 2.6 percent in 2000.

Looking to Asia, the Blue Chip December forecast raised its projections from November. For 1999, Japan is expected to

grow by 1.1 percent, South Korea by 7.7 percent, Taiwan by 4.9 percent, Singapore by 4.2 percent, Hong Kong by 0.7 percent, and China by 6.9 percent.

For 2000, the projected economic growth rates are: Japan (1.2 percent), South Korea (6.2 percent), Taiwan (5.5 percent), Singapore (5.2 percent), Hong Kong (2.9 percent), and China (6.8 percent).

*Consensus Forecasts - USA* was more pessimistic about Japan's performance: 1.0 percent in 1999 and 0.6 percent in 2000. But they were more optimistic about China: 7.3 percent in 1999 and 7.4 percent in 2000.

The yen-dollar exchange rate is important to Hawaii because a strong yen increases the purchasing power of Japanese visitors. As of this writing the yen stands at 103 yen per dollar—up slightly from the 106 per dollar reported last quarter. Both the *Blue Chip* and *Consensus Forecasts* expect the yen to average 107 to 108 per dollar for 1999 and 2000.

DBEDT's forecast is only slightly changed from last quarter. We expect visitor arrival growth to be 2.1 percent this year and to gradually rise through 2003. Real personal income will hover around 2.0 percent for the immediate future. Growth in the number of wage and salary jobs should turn positive this year at 0.3 percent and grow slowly to about 1.0 percent by 2001 and 2002. These forecasts appear in the table on the following page.

**ACTUAL AND FORECAST KEY ECONOMIC INDICATORS FOR HAWAII:  
1998 TO 2003**

<i>Economic Indicators</i>	<i>1998 (actual)</i>	<i>1999 (forecast)</i>	<i>2000 (forecast)</i>	<i>2001 (forecast)</i>	<i>2002 (forecast)</i>	<i>2003 (forecast)</i>
Total population (in thousands)	1,193.0	1,197.8	1,206.2	1,214.6	1,223.1	1,231.7
Visitor arrivals (in thousands)	6,738.2	6,879.7	7,031.1	7,192.8	7,365.4	7,549.5
Honolulu CPI-U (1982-84=100)	171.5	172.4	173.7	175.5	177.6	179.9
Personal income (in million dollars)	31,268.3	32,050.0	32,947.4	33,935.8	34,987.8	36,107.5
Personal income (in \$1992 million)	28,278.2	28,841.0	29,413.2	29,995.6	30,558.8	31,132.0
Total wage & salary jobs (in thousands)	537.6	539.2	543.0	548.4	553.9	560.0
Gross state product (in million dollars)	34,914.8	35,859.5	36,913.0	38,053.4	39,253.9	40,522.1
Real gross state product (in \$1992 million)	31,944.0	32,650.9	33,380.5	34,031.6	34,684.5	35,375.9
Gross state product deflator (1992=100)	109.3	109.8	110.6	111.8	113.2	114.5
<b>Annual Percentage Change</b>						
Total population (in thousands)	0.1	0.4	0.7	0.7	0.7	0.7
Visitor arrivals (in thousands)	-2.0	2.1	2.2	2.3	2.4	2.5
Honolulu CPI-U (1982-84=100)	-0.2	0.5	0.8	1.0	1.2	1.3
Personal income (in million dollars)	2.5	2.5	2.8	3.0	3.1	3.2
Personal income (in \$1992 million)	2.7	2.0	2.0	2.0	1.9	1.9
Total wage & salary jobs (in thousands)	-0.1	0.3	0.7	1.0	1.0	1.1
Gross state product (in million dollars)	2.0	2.7	2.9	3.1	3.2	3.2
Real gross state product (in \$1992 million)	2.2	2.2	2.2	2.0	1.9	2.0
Gross state product deflator (1992=100)	-0.2	0.5	0.7	1.1	1.2	1.2

Source: Hawaii State Department of Business, Economic Development & Tourism, December 1999.



## COUNTY ECONOMIC CONDITIONS

The counties of Kauai and Maui again turned in the strongest economic performances in the third quarter. Construction activity in both counties has been strong. By comparison, Honolulu and Hawaii counties were more quiet.

Civilian employment continued to rise in all four counties from the third quarter of 1998 through the third quarter of 1999. Kauai county saw the largest increase of 6.4 percent (Table 5) followed by Maui (2.9 percent, Table 4), Honolulu (1.0 percent, Table 2), and Hawaii (0.7 percent, Table 3).

Correspondingly, the unemployment rates in all four counties also declined. Indeed, other than the City & County of Honolulu, the unemployment rates in the other counties all dropped by at least 1 full percentage point from the third quarter in 1998. Kauai county's unemployment rate dropped 3 percentage points to 7.2 percent—a relatively low rate not seen since the third quarter of 1992.

Non-agricultural wage and salary jobs continued to decline in Honolulu and Hawaii counties. Both counties have followed the state as a whole in recording growing civilian employment and falling wage and salary jobs. This pattern may reflect an increase in self-employment.

In Kauai and Maui counties, however, non-agricultural wage and salary jobs and civilian employment have been going the same direction—up. Kauai posted a 4.2 percent increase in wage and salary jobs, while Maui experienced a 0.5 percent increase from the third quarter of 1998 to the same period in 1999. For the year through September, Kauai jobs were up 3.5 percent

and Maui jobs had risen 1.0 percent from the first three quarters of 1998.

Growth in jobs in Kauai and Maui counties has been dominated by construction. Kauai construction jobs grew by 50.0 percent in the third quarter, and in Maui, by 35.9 percent. This activity should continue since building permit values jumped by 119 percent in Kauai and 15.9 percent in Maui (Table E-6) in the third quarter.

As yet the same process has not occurred in Honolulu and Hawaii counties. Construction jobs in Honolulu county fell by 10.3 percent in the third quarter (Table 2). In Hawaii county, construction jobs were down 24.4 percent (Table 3). However Big Island construction jobs may begin to increase in the next few quarters as the value of building permits expanded by 24.7 percent in Hawaii county over the same period (Table E-6)

The number of visitor arrivals fell in all counties in the third quarter with the exception of Kauai. In Kauai county visitor arrivals grew by 2.4 percent. All of the growth came from westbound traffic, which expanded by 5.1 percent. Eastbound traffic to Kauai was down 15.9 percent. Still, the average hotel occupancy rate in Kauai jumped by 5.4 percentage points to 75.4 percent in the third quarter.

Visitor arrivals declined in the counties of Honolulu (-1.6 percent), Hawaii (-1.0 percent), and Maui (-2.5 percent). All counties continued to experience declines in eastbound arrivals. Westbound arrivals were up by 6.0 percent in the City & County of Honolulu but Hawaii and Maui counties saw fewer westbound travelers in the third quarter.

**Table 1. 1999 SELECTED ECONOMIC ACTIVITIES: STATE OF HAWAII**

SERIES	UNIT	3rd QUARTER 1999		Year to Date	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
Civilian labor force 1/	Persons	600,150	0.1	599,150	0.6
Civilian employment	Persons	566,300	1.1	564,750	1.3
Civilian unemployment	Persons	33,850	-14.0	34,400	-9.8
Unemployment rate 2/	%	5.6	-0.9	5.7	-0.7
Total non-agric. wage & salary jobs 1/	Jobs	526,650	0.1	528,950	-0.1
Contract construction	Jobs	20,300	-6.5	20,350	-5.1
Manufacturing	Jobs	16,300	-0.9	16,150	-1.2
Transport., comm., utilities	Jobs	40,300	-2.1	40,300	-2.1
Trade	Jobs	130,550	-0.6	130,350	-1.0
Retail	Jobs	109,800	-0.3	109,600	-0.9
Finance, insur., & real estate	Jobs	35,100	-1.8	35,050	-1.3
Services & miscellaneous	Jobs	175,150	1.7	174,700	1.9
Hotels	Jobs	37,100	-0.9	37,250	-1.7
Health	Jobs	36,050	0.8	36,000	1.8
Government	Jobs	108,950	1.2	112,050	0.1
Federal	Jobs	30,400	0.0	30,200	-0.7
State	Jobs	61,050	2.9	65,100	0.9
Local	Jobs	17,500	-2.5	16,750	-1.5
Agriculture wage & salary jobs 1/	Jobs	8,000	0.6	7,400	-1.3
State general fund revenues	\$1,000	735,969	-0.4	2,158,622	-1.7
General excise and use tax revenues	\$1,000	372,436	3.4	1,107,033	2.1
Income-individual	\$1,000	277,965	-1.9	792,963	-3.6
Declaration of estimated taxes	\$1,000	42,225	5.4	171,741	4.3
Payment with returns	\$1,000	8,615	-10.7	87,157	1.1
Withholding tax on wages	\$1,000	242,458	-2.8	734,314	-5.4
Refunds	\$1,000	15,334	-2.5	200,249	-1.7
Transient accommodations tax	\$1,000	40,767	30.5	117,414	20.8
Visitor arrivals - air only 3/	Persons	1,818,480	3.0	5,186,520	1.4
Westbound visitors	Persons	1,159,140	7.5	3,388,110	6.0
Eastbound visitors	Persons	659,340	-4.1	1,798,410	-6.3
Hotel occupancy rates 2/	%	74.8	1.9	73.1	0.2

1/ Labor force and jobs are averages based on monthly rounded data. Labor force and jobs data were rebenchmarked in March 1999.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ Preliminary. Hawaii Visitors & Convention Bureau revised Statewide arrival data for 1998 in June 1999.

Source: Hawaii State Department of Labor & Industrial Relations; Hawaii State Department of Taxation; Hawaii Visitors & Convention Bureau; and Smith Travel Research, PricewaterhouseCoopers LLP. Compiled by Hawaii State Department of Business, Economic Development & Tourism.

**Table 2. 1999 SELECTED ECONOMIC ACTIVITIES:  
CITY AND COUNTY OF HONOLULU**

SERIES	UNIT	3rd QUARTER 1999		Year to Date	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
Civilian labor force 1/	Persons	426,850	0.5	429,000	0.3
Civilian employment	Persons	405,950	1.0	407,500	0.7
Civilian unemployment	Persons	20,900	-7.7	21,500	-7.7
Unemployment rate 2/	%	4.9	-0.4	5.0	-0.4
Total non-agric. wage & salary jobs 1/	Jobs	394,650	-0.3	397,950	-0.4
Contract construction	Jobs	14,700	-10.3	14,950	-9.1
Manufacturing	Jobs	12,550	-1.6	12,500	-1.6
Transport., comm., utilities	Jobs	31,650	-2.9	31,700	-3.4
Trade	Jobs	95,100	-1.9	94,950	-1.8
Retail	Jobs	77,900	-2.0	77,800	-2.0
Finance, insur., & real estate	Jobs	27,900	-1.4	27,950	-1.8
Services & miscellaneous	Jobs	126,200	3.1	126,050	2.6
Hotels	Jobs	16,200	-3.0	16,300	-3.3
Health	Jobs	29,300	1.7	29,350	1.6
Government	Jobs	86,550	-0.2	89,850	0.1
Federal	Jobs	28,650	-0.9	28,500	-0.5
State	Jobs	45,900	0.2	49,850	0.7
Local	Jobs	12,000	0.4	11,500	-0.9
Agriculture wage & salary jobs 1/	Jobs	2,200	-2.3	2,150	-2.3
General excise and use tax revenues	\$1,000	306,979	3.9	912,377	1.0
Income-individual	\$1,000	239,794	-8.6	691,239	-4.7
Declaration of estimated taxes	\$1,000	31,824	0.6	128,336	-0.1
Payment with returns	\$1,000	6,401	-1.7	67,261	-0.3
Withholding tax on wages	\$1,000	213,228	-10.6	646,173	-5.9
Refunds	\$1,000	11,659	-2.9	150,531	-4.3
Transient accommodations tax	\$1,000	30,255	12.9	87,542	12.1
Visitor arrivals - air only 3/	Persons	1,279,620	-1.6	3,568,020	-0.6
Westbound visitors	Persons	637,500	6.0	1,844,710	7.7
Eastbound visitors	Persons	642,120	-9.2	1,723,310	-8.3
Hotel occupancy rates 2/	%	74.4	0.3	72.3	-1.3

1/ Labor force and jobs are averages based on monthly rounded data. Labor force and jobs data were rebenchmarked in March 1999.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ Preliminary. Hawaii Visitors & Convention Bureau revised county arrival data for 1997 and 1998 in June 1998.

Source: Hawaii State Department of Labor & Industrial Relations; Hawaii State Department of Taxation; Hawaii Visitors & Convention Bureau; and Smith Travel Research, PricewaterhouseCoopers LLP. Compiled by Hawaii State Department of Business, Economic Development & Tourism.

**Table 3. 1999 SELECTED ECONOMIC ACTIVITIES: HAWAII COUNTY**

SERIES	UNIT	3rd QUARTER 1999		Year to Date	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
Civilian labor force 1/	Persons	70,550	-0.4	68,950	0.2
Civilian employment	Persons	63,850	0.7	62,550	1.1
Civilian unemployment	Persons	6,750	-10.8	6,400	-7.9
Unemployment rate 2/	%	9.6	-1.1	9.3	-0.8
Total non-agric. wage & salary jobs 1/	Jobs	49,500	-1.6	49,200	-0.7
Contract construction	Jobs	1,650	-24.4	1,600	-20.0
Manufacturing	Jobs	1,450	-3.3	1,450	-3.3
Transport., comm., utilities	Jobs	2,850	1.8	2,850	1.8
Trade	Jobs	13,100	0.0	13,050	0.0
Retail	Jobs	11,350	0.9	11,350	1.3
Finance, insur., & real estate	Jobs	3,000	5.5	2,900	7.4
Services & miscellaneous 3/	Jobs	16,850	-2.1	16,700	-1.8
Hotels	Jobs	6,350	-3.7	6,450	-3.0
Health	Jobs	2,900	3.7	2,850	5.6
Government	Jobs	10,600	-0.5	10,550	0.0
Federal	Jobs	850	0.0	850	0.0
State	Jobs	7,350	0.0	7,400	1.4
Local	Jobs	2,350	-2.2	2,250	-4.3
Agriculture wage & salary jobs 1/	Jobs	2,650	-6.5	2,300	-8.0
General excise and use tax revenues	\$1,000	23,692	3.2	71,177	2.4
Income-individual	\$1,000	15,161	13.7	43,318	4.3
Declaration of estimated taxes	\$1,000	3,646	16.5	16,957	13.5
Payment with returns	\$1,000	846	1.6	8,395	2.7
Withholding tax on wages	\$1,000	12,041	-4.1	36,199	0.2
Refunds	\$1,000	1,372	-10.3	18,233	2.8
Transient accommodations tax	\$1,000	2,228	18.7	6,836	16.1
Visitor arrivals - air only 4/	Persons	315,050	-1.0	942,030	-0.8
Westbound visitors	Persons	241,280	-1.2	741,770	3.4
Eastbound visitors	Persons	73,770	-0.1	200,260	-13.6
Hotel occupancy rates 2/	%	68.5	-2.2	67.5	-4.7

1/ Labor force and jobs are averages based on monthly rounded data. Labor force and jobs data were rebenchmarked in March 1999.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ Business service jobs for 1997 were overcounted for Hawaii County and undercounted for Honolulu.

4/ Preliminary. Hawaii Visitors & Convention Bureau revised county arrival data for 1997 and 1998 in June 1998.

Source: Hawaii State Department of Labor & Industrial Relations; Hawaii State Department of Taxation; Hawaii Visitors & Convention Bureau; and Smith Travel Research, PricewaterhouseCoopers LLP. Compiled by Hawaii State Department of Business, Economic Development & Tourism.

**Table 4. 1999 SELECTED ECONOMIC ACTIVITIES: MAUI COUNTY**

SERIES	UNIT	3rd QUARTER 1999		Year to Date	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
Civilian labor force 1/	Persons	72,700	1.5	71,450	1.8
Civilian employment	Persons	68,550	2.9	67,200	3.0
Civilian unemployment	Persons	4,100	-17.8	4,250	-14.1
Unemployment rate 2/	%	5.6	-1.4	5.9	-1.1
Total non-agric. wage & salary jobs 1/	Jobs	57,500	0.5	56,900	1.0
Contract construction	Jobs	2,800	35.9	2,650	32.5
Manufacturing	Jobs	1,850	0.0	1,750	0.0
Transport., comm., utilities	Jobs	4,200	5.1	4,150	5.1
Trade	Jobs	15,200	-0.3	15,200	-0.3
Retail	Jobs	9,700	0.4	12,450	-9.8
Finance, insur., & real estate	Jobs	2,950	-6.5	2,950	-4.8
Services & miscellaneous	Jobs	22,800	-1.1	22,550	-0.7
Hotels	Jobs	10,850	0.0	10,850	0.0
Health	Jobs	2,350	2.2	2,350	4.4
Government	Jobs	7,750	-1.3	7,600	0.0
Federal	Jobs	500	0.0	500	0.0
State	Jobs	5,200	-0.9	5,200	1.0
Local	Jobs	2,000	-5.1	1,900	-2.6
Agriculture wage & salary jobs 1/	Jobs	2,200	2.5	2,050	2.5
General excise and use tax revenues	\$1,000	31,311	12.6	94,180	11.5
Income-individual	\$1,000	16,622	25.8	42,608	1.9
Declaration of estimated taxes	\$1,000	4,869	45.6	19,204	20.6
Payment with returns	\$1,000	974	5.7	8,005	7.4
Withholding tax on wages	\$1,000	12,459	-2.4	37,838	-1.4
Refunds	\$1,000	1,679	-3.2	22,439	12.6
Transient accommodations tax	\$1,000	6,685	87.4	19,083	76.7
Visitor arrivals - air only 3/	Persons	603,670	-2.5	1,781,800	-0.2
Westbound visitors	Persons	519,430	-0.5	1,527,890	3.8
Eastbound visitors	Persons	84,240	-13.0	253,910	-19.3
Hotel occupancy rates 2/ 4/	%	79.2	6.7	79.3	4.3

1/ Labor force and jobs are averages based on monthly rounded data. Labor force and jobs data were rebenchmarked in March 1999.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ Preliminary. Hawaii Visitors & Convention Bureau revised county arrival data for 1997 and 1998 in June 1998.

4/ Data represent Maui Island only.

Source: Hawaii State Department of Labor & Industrial Relations; Hawaii State Department of Taxation; Hawaii Visitors & Convention Bureau; and Smith Travel Research, PricewaterhouseCoopers LLP. Compiled by Hawaii State Department of Business, Economic Development & Tourism.

**Table 5. 1999 SELECTED ECONOMIC ACTIVITIES: KAUAI COUNTY**

SERIES	UNIT	3rd QUARTER 1999		Year to Date	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
Civilian labor force 1/	Persons	30,050	3.0	29,750	2.9
Civilian employment	Persons	27,950	6.4	27,500	6.0
Civilian unemployment	Persons	2,150	-26.7	2,250	-23.7
Unemployment rate 2/	%	7.2	-3.0	7.6	-2.6
Total non-agric. wage & salary jobs 1/	Jobs	25,050	4.2	24,800	3.5
Contract construction	Jobs	1,150	50.0	1,250	25.0
Manufacturing	Jobs	450	12.5	450	12.5
Transport., comm., utilities	Jobs	1,600	0.0	1,600	3.2
Trade	Jobs	7,200	5.2	7,050	4.4
Retail	Jobs	6,750	6.5	6,600	5.6
Finance, insur., & real estate	Jobs	1,250	-7.7	1,200	-7.7
Services & miscellaneous	Jobs	9,300	3.4	9,200	2.8
Hotels	Jobs	3,700	5.7	3,650	4.3
Health	Jobs	1,500	0.0	1,450	0.0
Government	Jobs	4,050	-1.2	4,000	-1.2
Federal	Jobs	350	0.0	350	0.0
State	Jobs	2,600	0.0	2,600	2.0
Local	Jobs	1,100	-4.8	1,050	-4.5
Agriculture wage & salary jobs 1/	Jobs	900	-11.8	850	6.3
General excise and use tax revenues	\$1,000	10,454	7.8	29,299	8.0
Income-individual	\$1,000	6,388	40.2	15,798	10.4
Declaration estimated taxes	\$1,000	1,887	26.8	7,244	33.7
Payment with returns	\$1,000	394	22.4	3,496	12.4
With holding tax on wages	\$1,000	4,731	0.2	14,105	-3.1
Refunds	\$1,000	624	-9.7	9,046	3.1
Transient accommodations tax	\$1,000	1,600	70.6	3,953	60.8
Visitor arrivals - air only 3/	Persons	285,730	2.4	822,070	5.3
Westbound visitors	Persons	256,790	5.1	734,490	8.7
Eastbound visitors	Persons	28,940	-15.9	87,580	-16.9
Hotel occupancy rates 2/	%	75.4	5.4	71.3	4.5

1/ Labor force and jobs are averages based on monthly rounded data. Labor force and jobs data were rebenchmarked in March 1999.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ Preliminary. Hawaii Visitors & Convention Bureau revised county arrival data for 1997 and 1998 in June 1998.

Source: Hawaii State Department of Labor & Industrial Relations; Hawaii State Department of Taxation; Hawaii Visitors & Convention Bureau; and Smith Travel Research, PricewaterhouseCoopers LLP. Compiled by Hawaii State Department of Business, Economic Development & Tourism.

## A. LABOR FORCE AND JOBS

Labor market indicators turned up in the third quarter of 1999. Civilian employment continued its growth of recent quarters, and the unemployment rate continued to fall. For the first time in two years, non-agricultural wage and salary jobs also grew over the period. While too early to signal a definite recovery, the labor indicators are moving in the right direction.

Non-agricultural wage and salary jobs grew by 0.1 percent from the third quarter of 1998 through the third quarter of 1999 (Table A-5). This was the first quarter of positive growth since the third quarter of 1997. At 526,650, the number of third-quarter jobs was at the highest level since 1994.

Civilian employment also expanded by 1.1 percent in the third quarter relative to the year-earlier quarter (Table A-2). Civilian employment has grown steadily since the third quarter of 1998--and more or less steadily since 1994.

This publication has frequently noted the divergence since 1995 between declining non-agricultural wage and salary jobs and rising civilian employment. The third quarter data may signal the end of that divergence, but it is too early to say. We have argued that the divergence may reflect growing self-employment in Hawaii.

On the flip-side of civilian employment, civilian unemployment dropped by 14 percent from the third quarter of 1998 through the third quarter of 1999 (Table A-3). The unemployment rate was also a full percentage point lower than in the third quarter last year (Table A-4). This improvement in unemployment would cause concern if people were simply giving up the search for employment and dropping out of the labor

force. However, this apparently is not the case, as the labor force continued to rise (Table A-1).

In the private sector, all the growth in non-agricultural wage and salary jobs came from services. Services grew by 1.7 percent in third quarter compared to the year-earlier quarter (Table A-14). This growth is part of the secular shift toward services that Hawaii has experienced for three decades. At 175,150, third-quarter jobs in services are the highest they have ever been in Hawaii.

Agricultural wage and salary jobs grew by 0.6 percent in the third quarter from the third quarter of 1998 (Table A-19). The number of third-quarter agricultural jobs stood at 8,000—the highest level since 1994.

Private sector wage and salary jobs declined in other industries. The largest decline came in construction jobs, which fell by 6.5 percent from the third quarter of 1998 to the third quarter of 1999 (Table A-6). Combined, transportation (-1.8 percent, Table A-8), communications (-3.0 percent, Table A-9), and utilities (-2.9 percent, Table A-10) had the next largest drop in jobs. Job losses also appeared in manufacturing (-0.9 percent, Table A-7), retail trade (-0.3 percent, Table A-11), finance, insurance, and real estate (-1.8 percent, Table A-13), and hotels (-0.9 percent, Table A-15).

In the public sector, state government jobs grew by 2.9 percent over the period (Table A-17). Most of this growth has occurred in education. Federal government jobs were unchanged from the third quarter of 1998 (Table A-16), and local government jobs fell by 2.5 percent (Table A-18).

**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>
Number of Persons					
1982	455,300	461,300	463,750	463,700	461,000
1983	469,050	473,950	472,800	472,250	472,000
1984	471,800	473,650	470,750	471,800	472,000
1985	475,350	477,200	478,450	485,000	479,000
1986	485,300	488,850	493,950	499,900	492,000
1987	505,950	513,000	516,250	520,800	514,000
1988	515,400	519,400	518,950	518,200	518,000
1989	519,350	526,700	521,900	528,050	524,000
1990	531,950	539,750	544,650	551,650	542,000
1991	568,750	573,050	576,100	577,100	573,750
1992	579,250	582,950	585,400	588,700	584,050
1993	587,000	588,000	585,100	583,800	586,000
1994	581,500	581,850	580,100	577,100	580,150
1995	573,300	576,300	577,400	578,750	576,400
1996 1/	588,000	593,200	595,950	597,300	593,600
1997 1/	597,050	597,900	598,500	593,600	596,750
1998 1/	592,250	595,500	599,700	600,700	597,050
1999	597,900	599,450	600,150	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	0.8	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	1.2	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	-0.9	-1.0	-0.9	-1.1	-1.0
1995	-1.4	-1.0	-0.5	0.3	-0.6
1996 1/	2.6	2.9	3.2	3.2	3.0
1997 1/	1.5	0.8	0.4	-0.6	0.5
1998 1/	-0.8	-0.4	0.2	1.2	0.1
1999	1.0	0.7	0.1	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & 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>
Number of Persons					
1982	426,850	427,850	429,850	435,400	430,000
1983	438,550	440,000	444,100	445,350	442,000
1984	446,050	447,000	442,900	444,000	445,000
1985	449,250	450,400	449,800	458,600	452,000
1986	461,850	464,800	468,200	477,200	468,000
1987	484,250	492,150	494,700	504,900	494,000
1988	500,650	501,300	502,250	503,800	502,000
1989	505,200	512,250	511,800	514,750	511,000
1990	517,300	523,100	529,100	538,550	527,000
1991	553,950	557,100	559,400	560,600	557,750
1992	557,400	555,650	556,300	560,400	557,450
1993	560,600	563,050	560,600	559,350	560,900
1994	549,150	545,200	541,600	544,050	545,000
1995	540,750	541,700	541,500	546,550	542,650
1996 1/	551,800	554,150	556,400	560,600	555,750
1997 1/	559,750	558,250	558,250	558,000	558,600
1998 1/	555,900	556,650	560,400	566,000	559,750
1999	563,000	564,950	566,300	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	0.1	0.2	0.6	1.9	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	-2.0	-3.2	-3.4	-2.7	-2.8
1995	-1.5	-0.6	0.0	0.5	-0.4
1996 1/	2.0	2.3	2.8	2.6	2.4
1997 1/	1.4	0.7	0.3	-0.5	0.5
1998 1/	-0.7	-0.3	0.4	1.4	0.2
1999	1.3	1.5	1.1	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & 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>
Number of Persons					
1982	28,400	33,450	33,850	28,250	31,000
1983	30,450	33,900	28,700	26,900	30,000
1984	25,750	26,600	27,850	27,800	27,000
1985	26,100	26,800	28,650	26,450	27,000
1986	23,500	24,050	25,750	22,700	24,000
1987	21,700	20,850	21,550	15,900	20,000
1988	14,750	18,150	16,700	14,450	16,000
1989	14,200	14,450	10,100	13,300	13,000
1990	14,650	16,650	15,550	13,100	15,000
1991	14,800	15,900	16,700	16,500	16,000
1992	21,850	27,300	29,100	28,300	26,650
1993	26,450	25,000	24,500	24,400	25,100
1994	32,350	36,650	38,550	33,100	35,150
1995	32,500	34,600	35,850	32,200	33,800
1996 1/	36,200	39,050	39,550	36,650	37,850
1997 1/	37,300	39,600	40,250	35,550	38,200
1998 1/	36,350	38,800	39,350	34,700	37,300
1999	34,900	34,500	33,850	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	24.8	40.5	41.0	11.0	29.2
1983	7.2	1.3	-15.2	-4.8	-3.2
1984	-15.4	-21.5	-3.0	3.3	-10.0
1985	1.4	0.8	2.9	-4.9	0.0
1986	-10.0	-10.3	-10.1	-14.2	-11.1
1987	-7.7	-13.3	-16.3	-30.0	-16.7
1988	-32.0	-12.9	-22.5	-9.1	-20.0
1989	-3.7	-20.4	-39.5	-8.0	-18.8
1990	3.2	15.2	54.0	-1.5	15.4
1991	1.0	-4.5	7.4	26.0	6.7
1992	47.6	71.7	74.3	71.5	66.6
1993	21.1	-8.4	-15.8	-13.8	-5.8
1994	22.3	46.6	57.3	35.7	40.0
1995	0.5	-5.6	-7.0	-2.7	-3.8
1996 1/	11.4	12.9	10.3	13.8	12.0
1997 1/	3.0	1.4	1.8	-3.0	0.9
1998 1/	-2.5	-2.0	-2.2	-2.4	-2.4
1999	-4.0	-11.1	-14.0	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-4. CIVILIAN UNEMPLOYMENT RATE**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
Percent of the Civilian Labor Force					
1982	6.2	7.3	7.3	6.1	6.7
1983	6.5	7.2	6.1	5.7	6.5
1984	5.5	5.6	5.9	5.9	5.6
1985	5.5	5.6	6.0	5.4	5.6
1986	4.8	4.9	5.2	4.5	4.8
1987	4.3	4.1	4.2	3.1	3.8
1988	2.9	3.5	3.2	2.8	3.1
1989	2.7	2.7	1.9	2.5	2.5
1990	2.8	3.1	2.9	2.4	2.8
1991	2.6	2.8	2.9	2.9	2.8
1992	3.8	4.7	5.0	4.8	4.6
1993	4.5	4.3	4.2	4.2	4.3
1994	5.6	6.3	6.6	5.7	6.1
1995	5.7	6.0	6.2	5.6	5.9
1996 1/	6.2	6.6	6.6	6.1	6.4
1997 1/	6.2	6.6	6.7	6.0	6.4
1998 1/	6.1	6.5	6.6	5.8	6.2
1999	5.8	5.8	5.6	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.



**Table A-5. 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>
<b>Number of Jobs</b>					
1982	400,800	401,300	397,350	398,100	399,400
1983	403,550	403,450	407,400	410,500	406,200
1984 1/	409,950	414,700	410,350	415,700	412,100
1985	419,950	423,700	426,950	432,350	425,750
1986	432,850	435,800	438,150	447,450	438,550
1987	451,900	459,000	458,450	470,550	459,950
1988	470,400	476,900	476,750	488,200	478,050
1989	495,450	503,100	504,000	519,350	505,450
1990	520,000	528,600	525,750	539,150	528,400
1991	537,950	537,300	536,100	545,200	539,150
1992	543,100	544,650	538,700	544,700	542,800
1993	540,100	543,450	532,300	539,800	538,900
1994	535,450	538,050	530,450	540,750	536,200
1995	536,000	536,200	526,000	533,150	532,850
1996	531,200	531,650	525,800	534,350	530,750
1997 2/	532,900	533,400	526,350	533,400	531,500
1998 2/	529,800	532,600	526,150	531,400	530,000
1999	528,550	531,700	526,650	(NA)	(NA)
<b>Percentage Change from the Same Period in Previous Year</b>					
1982	-1.4	-1.4	-1.5	-1.1	-1.3
1983	0.7	0.5	2.5	3.1	1.7
1984 1/	1.6	2.8	0.7	1.3	1.5
1985	2.4	2.2	4.0	4.0	3.3
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	3.5	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	0.1	-0.3	-0.8	-1.4	-0.6
1996	-0.9	-0.8	0.0	0.2	-0.4
1997 2/	0.3	0.3	0.1	-0.2	0.1
1998 2/	-0.6	-0.1	0.0	-0.4	-0.3
1999	-0.2	-0.2	0.1	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Quarterly data contain monthly unrevised numbers.

2/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-6. CONSTRUCTION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Jobs					
1982	18,950	18,100	17,400	16,900	17,850
1983	18,100	17,800	17,900	17,500	17,800
1984	16,950	16,950	15,700	13,550	15,800
1985	16,000	16,950	17,900	17,850	17,150
1986	17,400	17,550	19,400	20,200	18,650
1987	20,600	21,200	21,500	21,500	21,200
1988	21,700	23,000	24,000	24,900	23,400
1989	26,500	28,600	30,150	31,500	29,200
1990	30,900	31,450	32,950	34,000	32,300
1991	33,450	33,800	33,950	33,000	33,550
1992	31,200	31,000	31,300	32,600	31,550
1993	32,650	32,650	32,500	31,500	32,350
1994	29,450	29,300	29,550	28,450	29,200
1995	26,500	26,150	26,650	25,800	26,300
1996	23,750	23,600	24,000	23,350	23,650
1997 1/	22,350	21,950	22,450	22,350	22,300
1998 1/	21,150	21,450	21,700	20,700	21,250
1999	20,500	20,300	20,300	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-17.4	-18.8	-20.4	-17.6	-18.5
1983	-4.5	-1.7	2.9	3.6	-0.3
1984	-6.4	-4.8	-12.3	-22.6	-11.2
1985	-5.6	0.0	14.0	31.7	8.5
1986	8.8	3.5	8.4	13.2	8.7
1987	18.4	20.8	10.8	6.4	13.7
1988	5.3	8.5	11.6	15.8	10.4
1989	22.1	24.3	25.6	26.5	24.8
1990	16.6	10.0	9.3	7.9	10.6
1991	8.3	7.5	3.0	-2.9	3.9
1992	-6.7	-8.3	-7.8	-1.2	-6.0
1993	4.6	5.3	3.8	-3.4	2.5
1994	-9.8	-10.3	-9.1	-9.7	-9.7
1995	-10.0	-10.8	-9.8	-9.3	-9.9
1996	-10.4	-9.8	-9.9	-9.5	-10.1
1997 1/	-5.9	-7.0	-6.5	-4.3	-5.7
1998 1/	-5.4	-2.3	-3.3	-7.4	-4.7
1999	-3.1	-5.4	-6.5	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-7. MANUFACTURING JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Jobs					
1982	21,600	22,800	23,700	21,600	22,400
1983	22,000	22,250	23,500	21,650	22,350
1984	21,550	21,950	22,500	21,450	21,900
1985	21,400	21,950	22,400	21,950	21,900
1986	21,750	22,350	22,300	21,800	22,050
1987	21,850	21,900	22,050	21,800	21,900
1988	21,750	22,200	22,200	21,700	22,000
1989	21,600	21,400	21,550	21,350	21,500
1990	21,100	21,000	21,150	20,950	21,050
1991	20,550	20,350	20,600	20,300	20,450
1992	19,700	19,650	20,000	19,400	19,700
1993	19,300	19,250	19,350	18,750	19,150
1994	17,850	18,000	17,850	17,400	17,750
1995	16,800	16,850	17,200	17,050	17,000
1996	16,700	16,650	16,750	16,600	16,650
1997 1/	16,600	16,600	16,650	16,400	16,550
1998 1/	16,350	16,300	16,450	16,200	16,300
1999	16,050	16,100	16,300	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-3.6	-4.2	-1.0	-0.7	-2.6
1983	1.9	-2.4	-0.8	0.2	-0.2
1984	-2.0	-1.3	-4.3	-0.9	-2.0
1985	-0.7	0.0	-0.4	2.3	0.0
1986	1.6	1.8	-0.4	-0.7	0.7
1987	0.5	-2.0	-1.1	0.0	-0.7
1988	-0.5	1.4	0.7	-0.5	0.5
1989	-0.7	-3.6	-2.9	-1.6	-2.3
1990	-2.3	-1.9	-1.9	-1.9	-2.1
1991	-2.6	-3.1	-2.6	-3.1	-2.9
1992	-4.1	-3.4	-2.9	-4.4	-3.7
1993	-2.0	-2.0	-3.3	-3.4	-2.8
1994	-7.5	-6.5	-7.8	-7.2	-7.3
1995	-5.9	-6.4	-3.6	-2.0	-4.2
1996	-0.6	-1.2	-2.6	-2.6	-2.1
1997 1/	-0.6	-0.3	-0.6	-1.2	-0.6
1998 1/	-1.5	-1.8	-1.2	-1.2	-1.5
1999	-1.8	-1.2	-0.9	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-8. TRANSPORTATION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Jobs					
1982	21,250	21,400	21,050	20,950	21,150
1983	20,850	20,850	21,300	21,500	21,100
1984	21,450	21,950	22,300	22,650	22,100
1985	22,800	23,400	23,500	23,850	23,400
1986	24,050	24,400	24,550	25,150	24,550
1987	26,000	26,800	27,250	27,600	26,900
1988	27,450	27,800	27,750	28,100	27,750
1989	29,000	29,700	29,850	30,950	29,900
1990	30,850	31,400	31,950	33,200	31,850
1991	32,750	32,400	32,950	33,250	32,850
1992	32,850	33,050	33,100	32,650	32,900
1993	31,500	31,400	31,250	31,150	31,350
1994	31,850	32,250	31,650	31,750	31,900
1995	30,600	30,750	30,700	30,650	30,700
1996	30,800	30,700	31,050	31,350	31,000
1997 1/	31,350	31,250	31,000	31,100	31,150
1998 1/	30,950	30,900	31,050	30,550	30,850
1999	30,200	30,450	30,500	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-0.2	-2.5	-5.4	-5.0	-3.4
1983	-1.9	-2.6	1.2	2.6	-0.2
1984	2.9	5.3	4.7	5.3	4.7
1985	6.3	6.6	5.4	5.3	5.9
1986	5.5	4.3	4.5	5.5	4.9
1987	8.1	9.8	11.0	9.7	9.6
1988	5.6	3.7	1.8	1.8	3.2
1989	5.6	6.8	7.6	10.1	7.7
1990	6.4	5.7	7.0	7.3	6.5
1991	6.2	3.2	3.1	0.2	3.1
1992	0.3	2.0	0.5	-1.8	0.2
1993	-4.1	-5.0	-5.6	-4.6	-4.7
1994	1.1	2.7	1.3	1.9	1.8
1995	-3.9	-4.7	-3.0	-3.5	-3.8
1996	0.7	-0.2	1.1	2.3	1.0
1997 1/	1.8	1.8	-0.2	-0.8	0.5
1998 1/	-1.3	-1.1	0.2	-1.8	-1.0
1999	-2.4	-1.5	-1.8	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data rebenchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-9. COMMUNICATION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Jobs					
1982	7,500	7,400	7,500	7,500	7,500
1983	7,550	7,550	7,500	7,500	7,550
1984	7,500	7,550	7,450	7,450	7,500
1985	7,450	7,300	7,350	7,300	7,350
1986	7,050	7,150	7,100	7,150	7,100
1987	7,200	7,300	7,200	7,400	7,250
1988	7,650	7,500	7,500	7,550	7,550
1989	7,300	7,250	7,300	7,350	7,300
1990	7,300	7,400	7,400	7,450	7,400
1991	7,500	7,400	7,300	7,200	7,350
1992	7,000	7,000	6,850	6,850	6,900
1993	6,750	6,450	6,300	6,200	6,400
1994	6,350	6,200	6,200	6,350	6,250
1995	6,150	6,250	6,300	6,300	6,250
1996	6,300	6,350	6,450	6,550	6,400
1997 1/	6,500	6,550	6,600	6,700	6,600
1998 1/	6,850	6,600	6,650	6,650	6,700
1999	6,650	6,500	6,450	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	2.0	0.0	0.7	2.0	1.4
1983	0.7	2.0	0.0	0.0	0.7
1984	-0.7	0.0	-0.7	-0.7	-0.7
1985	-0.7	-3.3	-1.3	-2.0	-2.0
1986	-5.4	-2.1	-3.4	-2.1	-3.4
1987	2.1	2.1	1.4	3.5	2.1
1988	6.3	2.7	4.2	2.0	4.1
1989	-4.6	-3.3	-2.7	-2.6	-3.3
1990	0.0	2.1	1.4	1.4	1.4
1991	2.7	0.0	-1.4	-3.4	-0.7
1992	-6.7	-5.4	-6.2	-4.9	-6.1
1993	-3.6	-7.9	-8.0	-9.5	-7.2
1994	-5.9	-3.9	-1.6	2.4	-2.3
1995	-3.1	0.8	1.6	-0.8	0.0
1996	2.4	1.6	2.4	4.0	2.4
1997 1/	3.2	3.1	2.3	2.3	3.1
1998 1/	5.4	0.8	0.8	-0.7	1.5
1999	-2.9	-1.5	-3.0	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.



**Table A-10. UTILITIES JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Jobs					
1982	2,600	2,550	2,550	2,550	2,550
1983	2,450	2,400	2,450	2,450	2,450
1984	2,400	2,400	2,400	2,400	2,400
1985	2,450	2,450	2,500	2,500	2,450
1986	2,450	2,550	2,600	2,650	2,550
1987	2,600	2,650	2,650	2,650	2,650
1988	2,650	2,650	2,700	2,700	2,650
1989	2,700	2,800	2,850	2,850	2,800
1990	2,950	3,050	3,000	2,950	3,000
1991	3,050	3,100	3,150	3,200	3,100
1992	3,350	3,400	3,450	3,500	3,400
1993	3,500	3,550	3,600	3,550	3,550
1994	3,600	3,650	3,650	3,700	3,650
1995	3,700	3,750	3,750	3,800	3,750
1996	3,750	3,750	3,650	3,600	3,700
1997 1/	3,600	3,600	3,550	3,500	3,550
1998 1/	3,500	3,450	3,450	3,400	3,450
1999	3,400	3,350	3,350	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	0.0	-1.9	-1.9	-3.8	-1.9
1983	-5.8	-5.9	-3.9	-3.9	-3.9
1984	-2.0	0.0	-2.0	-2.0	-2.0
1985	2.1	2.1	4.2	4.2	2.1
1986	0.0	4.1	4.0	6.0	4.1
1987	6.1	3.9	1.9	0.0	3.9
1988	1.9	0.0	1.9	1.9	0.0
1989	1.9	5.7	5.6	5.6	5.7
1990	9.3	8.9	5.3	3.5	7.1
1991	3.4	1.6	5.0	8.5	3.3
1992	9.8	9.7	9.5	9.4	9.7
1993	4.5	4.4	4.3	1.4	4.4
1994	2.9	2.8	1.4	4.2	2.8
1995	2.8	2.7	2.7	2.7	2.7
1996	1.4	0.0	-2.7	-5.3	-1.3
1997 1/	-4.0	-4.0	-2.7	-2.8	-4.1
1998 1/	-2.8	-4.2	-2.8	-2.9	-2.8
1999	-2.9	-2.9	-2.9	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-11. 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>
Number of Jobs					
1982	86,500	86,350	86,250	86,200	86,300
1983	87,100	86,550	89,450	90,750	88,450
1984	89,750	91,400	92,800	93,600	91,900
1985	95,100	95,850	96,050	97,300	96,100
1986	96,600	96,450	99,350	101,250	98,400
1987	100,800	102,450	103,950	106,350	103,400
1988	104,700	106,850	107,000	108,450	106,750
1989	109,000	110,050	110,550	113,250	110,700
1990	111,950	113,000	113,700	115,250	113,450
1991	113,750	112,500	114,300	114,300	113,700
1992	113,600	113,150	113,700	112,450	113,250
1993	110,000	110,700	111,200	112,400	111,100
1994	110,350	110,050	111,750	114,850	111,750
1995	113,650	113,200	114,500	115,700	114,250
1996	114,350	112,750	113,400	114,800	113,850
1997 1/	113,900	113,200	112,750	113,650	113,350
1998 1/	111,450	110,400	110,150	111,050	110,750
1999	109,650	109,300	109,800	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-0.3	0.3	-0.6	-1.4	-0.5
1983	0.7	0.2	3.7	5.3	2.5
1984	3.0	5.6	3.7	3.1	3.9
1985	6.0	4.9	3.5	4.0	4.6
1986	1.6	0.6	3.4	4.1	2.4
1987	4.3	6.2	4.6	5.0	5.1
1988	3.9	4.3	2.9	2.0	3.2
1989	4.1	3.0	3.3	4.4	3.7
1990	2.7	2.7	2.8	1.8	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	2.9	2.5	0.7	2.2
1996	0.6	-0.4	-1.0	-0.8	-0.4
1997 1/	-0.4	0.4	-0.6	-1.0	-0.4
1998 1/	-2.2	-2.5	-2.3	-2.3	-2.3
1999	-1.6	-1.0	-0.3	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-12. 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>
Number of Jobs					
1982	18,750	18,750	18,450	18,100	18,500
1983	18,250	18,200	18,450	18,700	18,400
1984	18,700	19,050	19,000	19,100	18,950
1985	19,250	19,550	19,750	19,700	19,550
1986	19,150	19,400	19,700	19,950	19,550
1987	19,950	20,350	20,450	20,700	20,400
1988	20,200	20,550	21,050	21,100	20,750
1989	21,450	21,850	21,950	22,150	21,850
1990	21,950	22,300	22,850	22,950	22,500
1991	22,700	22,600	22,700	22,900	22,750
1992	22,700	22,600	22,400	22,400	22,500
1993	21,950	22,100	21,900	21,800	21,950
1994	21,500	21,550	21,550	21,500	21,550
1995	21,600	21,500	21,500	21,600	21,550
1996	21,500	21,350	21,400	21,250	21,400
1997 1/	20,750	20,900	21,100	21,000	20,950
1998 1/	20,850	21,100	21,150	20,950	21,000
1999	20,850	20,650	20,800	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	0.8	0.8	-1.6	-3.7	-1.1
1983	-2.7	-2.9	0.0	3.3	-0.5
1984	2.5	4.7	3.0	2.1	3.0
1985	2.9	2.6	3.9	3.1	3.2
1986	-0.5	-0.8	-0.3	1.3	0.0
1987	4.2	4.9	3.8	3.8	4.3
1988	1.3	1.0	2.9	1.9	1.7
1989	6.2	6.3	4.3	5.0	5.3
1990	2.3	2.1	4.1	3.6	3.0
1991	3.4	1.3	-0.7	-0.2	1.1
1992	0.0	0.0	-1.3	-2.2	-1.1
1993	-3.3	-2.2	-2.2	-2.7	-2.4
1994	-2.1	-2.5	-1.6	-1.4	-1.8
1995	0.5	-0.2	-0.2	0.5	0.0
1996	-0.5	-0.7	-0.5	-1.6	-0.7
1997 1/	-3.5	-2.1	-1.4	-1.2	-2.1
1998 1/	0.5	1.0	0.2	-0.2	0.2
1999	0.0	-2.1	-1.7	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-13. 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>
Number of Jobs					
1982	31,950	31,650	31,300	31,200	31,500
1983	31,650	31,700	32,200	32,000	31,900
1984	31,950	31,950	31,850	31,700	31,850
1985	31,500	31,900	32,050	32,200	31,900
1986	32,600	32,750	33,450	33,850	33,150
1987	33,500	33,750	33,800	33,800	33,700
1988	34,000	34,300	34,650	34,850	34,450
1989	34,650	34,950	35,200	36,200	35,250
1990	35,900	36,800	37,250	37,300	36,800
1991	37,250	37,250	37,500	37,500	37,400
1992	37,150	37,750	38,250	38,550	37,950
1993	38,300	38,800	39,500	39,200	38,950
1994	38,700	38,550	38,500	37,900	38,400
1995	37,200	37,000	37,250	37,100	37,150
1996	36,950	36,850	37,050	36,750	36,900
1997 1/	36,300	36,150	36,150	36,000	36,150
1998 1/	35,250	35,500	35,750	35,450	35,500
1999	35,050	35,050	35,100	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	0.8	-0.2	-1.9	-1.0	-0.6
1983	-0.9	0.2	2.9	2.6	1.3
1984	0.9	0.8	-1.1	-0.9	-0.2
1985	-1.4	-0.2	0.6	1.6	0.2
1986	3.5	2.7	4.4	5.1	3.9
1987	2.8	3.1	1.0	-0.1	1.7
1988	1.5	1.6	2.5	3.1	2.2
1989	1.9	1.9	1.6	3.9	2.3
1990	3.6	5.3	5.8	3.0	4.4
1991	3.8	1.2	0.7	0.5	1.6
1992	-0.3	1.3	2.0	2.8	1.5
1993	3.1	2.8	3.3	1.7	2.6
1994	1.0	-0.6	-2.5	-3.3	-1.4
1995	-3.9	-4.0	-3.2	-2.1	-3.3
1996	-0.7	-0.4	-0.5	-0.9	-0.7
1997 1/	-1.8	-1.9	-2.4	-2.0	-2.0
1998 1/	-2.9	-1.8	-1.1	-1.5	-1.8
1999	-0.6	-1.3	-1.8	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-14. SERVICES AND MISCELLANEOUS JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Number of Jobs</b>					
1982	102,050	100,950	100,450	101,450	101,200
1983	103,950	103,800	105,650	106,350	104,950
1984	107,550	108,700	107,100	108,500	107,950
1985	110,650	110,500	113,750	115,650	112,650
1986	117,350	118,400	118,800	120,400	118,750
1987	123,600	125,150	126,750	130,550	126,500
1988	130,800	131,350	133,600	137,250	133,250
1989	141,450	143,450	146,650	150,050	145,400
1990	152,400	153,300	154,900	156,950	154,400
1991	157,400	157,100	160,150	161,750	159,100
1992	162,900	163,100	164,850	163,400	163,550
1993	163,100	163,150	161,900	162,100	162,550
1994	162,600	163,400	164,250	165,250	163,900
1995	165,050	164,600	164,100	164,350	164,500
1996	165,350	165,650	167,150	168,550	166,650
1997 1/	168,650	168,700	169,750	169,700	169,200
1998 1/	170,200	172,100	172,150	173,400	171,950
1999	173,450	175,550	175,150	(NA)	(NA)
<b>Percentage Change from the Same Period in Previous Year</b>					
1982	-1.2	-1.8	-0.1	0.4	-0.7
1983	1.9	2.8	5.2	4.8	3.7
1984	3.5	4.7	1.4	2.0	2.9
1985	2.9	1.7	6.2	6.6	4.4
1986	6.1	7.1	4.4	4.1	5.4
1987	5.3	5.7	6.7	8.4	6.5
1988	5.8	5.0	5.4	5.1	5.3
1989	8.1	9.2	9.8	9.3	9.1
1990	7.7	6.9	5.6	4.6	6.2
1991	3.3	2.5	3.4	3.1	3.0
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	1.5	1.9	0.8
1995	1.5	0.7	-0.1	-0.5	0.4
1996	0.2	0.6	1.9	2.6	1.3
1997 1/	2.0	1.8	1.6	0.7	1.5
1998 1/	0.9	2.0	1.4	2.2	1.6
1999	1.9	2.0	1.7	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-15. HOTEL JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Jobs					
1982	26,700	26,650	26,300	26,400	26,500
1983	26,600	27,000	27,150	27,300	27,000
1984	28,250	28,450	27,900	28,500	28,250
1985	29,400	28,850	28,750	28,900	29,000
1986	29,100	29,150	29,550	29,150	29,250
1987	30,500	30,500	31,200	32,800	31,250
1988	33,650	33,550	34,350	35,750	34,350
1989	36,850	36,650	37,100	37,500	37,000
1990	37,550	38,450	38,800	40,200	38,750
1991	40,500	39,800	41,300	41,550	40,800
1992	41,500	41,350	40,800	40,250	40,950
1993	38,650	38,100	37,650	37,550	38,000
1994	37,700	37,850	38,100	38,350	38,000
1995	38,150	37,500	37,650	37,700	37,750
1996	38,200	37,950	38,550	38,650	38,350
1997 1/	39,100	38,000	38,100	38,150	38,350
1998 1/	38,400	37,850	37,450	37,350	37,750
1999	37,350	37,300	37,100	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	7.0	8.6	6.7	5.4	6.9
1983	-0.4	1.3	3.2	3.4	1.9
1984	6.2	5.4	2.8	4.4	4.6
1985	4.1	1.4	3.0	1.4	2.7
1986	-1.0	1.0	2.8	0.9	0.9
1987	4.8	4.6	5.6	12.5	6.8
1988	10.3	10.0	10.1	9.0	9.9
1989	9.5	9.2	8.0	4.9	7.7
1990	1.9	4.9	4.6	7.2	4.7
1991	7.9	3.5	6.4	3.4	5.3
1992	2.5	3.9	-1.2	-3.1	0.4
1993	-6.9	-7.9	-7.7	-6.7	-7.2
1994	-2.5	-0.7	1.2	2.1	0.0
1995	1.2	-0.9	-1.2	-1.7	-0.7
1996	0.1	1.2	2.4	2.5	1.6
1997 1/	2.4	0.1	-1.2	-1.3	0.0
1998 1/	-1.8	-0.4	-1.7	-2.1	-1.6
1999	-2.7	-1.5	-0.9	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-16. 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>
Number of Jobs					
1982	30,850	31,550	31,650	32,050	31,500
1983	32,050	32,250	32,100	32,050	32,100
1984	31,750	31,950	32,200	32,550	32,100
1985	32,300	32,350	32,400	32,500	32,400
1986	32,100	32,000	32,000	32,250	32,100
1987	32,050	32,700	32,950	33,400	32,800
1988	33,750	33,700	33,750	34,100	33,800
1989	33,850	33,950	33,950	34,200	34,000
1990	33,850	34,950	34,050	33,700	34,150
1991	33,400	33,500	34,450	34,100	33,850
1992	33,650	33,500	33,050	32,850	33,250
1993	31,800	32,000	31,900	31,650	31,800
1994	31,350	31,550	31,250	30,950	31,250
1995	31,000	31,200	31,150	30,850	31,050
1996	31,300	30,800	31,550	30,850	31,100
1997 1/	30,550	30,750	30,750	30,650	30,650
1998 1/	30,350	30,400	30,400	30,450	30,400
1999	30,100	30,150	30,400	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	3.4	4.6	3.8	3.6	3.8
1983	3.9	2.2	1.4	0.0	1.9
1984	-0.9	-0.9	0.3	1.6	0.0
1985	1.7	1.3	0.6	-0.2	0.9
1986	-0.6	-1.1	-1.2	-0.8	-0.9
1987	-0.2	2.2	3.0	3.6	2.2
1988	5.3	3.1	2.4	2.1	3.0
1989	0.3	0.7	0.6	0.3	0.6
1990	0.0	2.9	0.3	-1.5	0.4
1991	-1.3	-4.1	1.2	1.2	-0.9
1992	0.7	0.0	-4.1	-3.7	-1.8
1993	-5.5	-4.5	-3.5	-3.7	-4.4
1994	-1.4	-1.4	-2.0	-2.2	-1.7
1995	-1.1	-1.1	-0.3	-0.3	-0.6
1996	1.0	-1.3	1.3	0.0	0.2
1997 1/	-2.4	-0.2	-2.5	-0.6	-1.4
1998 1/	-0.7	-1.1	-1.1	-0.7	-0.8
1999	-0.8	-0.8	0.0	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-17. 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>
Number of Jobs					
1982	46,450	47,300	41,800	47,000	45,650
1983	47,150	47,550	41,450	47,350	45,900
1984	47,800	48,250	42,300	47,800	46,550
1985	48,500	48,850	43,350	48,900	47,400
1986	49,750	50,150	44,550	50,000	48,600
1987	50,950	51,700	45,450	51,400	49,900
1988	52,400	53,500	47,750	53,750	51,850
1989	54,300	55,300	49,000	55,650	53,550
1990	56,900	59,900	51,300	60,150	57,050
1991	61,800	62,850	53,450	63,000	60,250
1992	64,350	65,650	55,550	64,750	62,600
1993	66,050	68,050	56,800	66,100	64,250
1994	66,500	68,150	58,050	67,250	65,000
1995	67,550	68,650	55,800	63,750	63,950
1996	64,300	66,850	55,850	64,300	62,800
1997 1/	65,850	67,350	58,000	65,800	64,250
1998 1/	66,450	67,750	59,350	66,200	64,950
1999	66,350	67,900	61,050	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-0.3	0.5	1.7	1.5	0.9
1983	1.5	0.5	-0.8	0.7	0.5
1984	1.4	1.5	2.1	1.0	1.4
1985	1.5	1.2	2.5	2.3	1.8
1986	2.6	2.7	2.8	2.2	2.5
1987	2.4	3.1	2.0	2.8	2.7
1988	2.8	3.5	5.1	4.6	3.9
1989	3.6	3.4	2.6	3.5	3.3
1990	4.8	8.3	4.7	8.1	6.5
1991	8.6	4.9	4.2	4.7	5.6
1992	4.1	4.5	3.9	2.8	3.9
1993	2.6	3.7	2.3	2.1	2.6
1994	0.7	0.1	2.2	1.7	1.2
1995	1.6	0.7	-3.9	-5.2	-1.6
1996	-4.8	-2.6	0.1	0.9	-1.8
1997 1/	2.4	0.7	3.8	2.3	2.3
1998 1/	0.9	0.6	2.3	0.6	1.1
1999	-0.2	0.2	2.9	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.



**Table A-18. 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>
Number of Jobs					
1982	12,250	12,550	15,200	12,650	13,150
1983	12,450	12,550	15,500	12,600	13,300
1984	12,550	12,650	14,700	12,850	13,200
1985	12,700	12,650	16,000	12,700	13,500
1986	12,550	12,650	14,400	12,900	13,150
1987	12,800	13,000	14,450	13,400	13,400
1988	13,400	13,550	14,750	13,700	13,850
1989	13,600	13,800	15,050	13,850	14,100
1990	13,900	14,050	15,250	14,350	14,400
1991	14,350	14,500	15,550	14,700	14,750
1992	14,700	14,850	16,150	15,350	15,250
1993	15,200	15,250	16,200	15,450	15,500
1994	15,350	15,400	16,300	15,400	15,600
1995	16,250	16,250	17,050	16,200	16,450
1996	16,300	16,350	17,450	16,450	16,600
1997 1/	16,400	16,450	17,750	16,500	16,750
1998 1/	16,450	16,600	17,950	16,500	16,850
1999	16,350	16,400	17,500	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-4.7	0.0	-2.6	2.0	-1.5
1983	1.6	0.0	2.0	-0.4	1.1
1984	0.8	0.8	-5.2	2.0	-0.8
1985	1.2	0.0	8.8	-1.2	2.3
1986	-1.2	0.0	-10.0	1.6	-2.6
1987	2.0	2.8	0.3	3.9	1.9
1988	4.7	4.2	2.1	2.2	3.4
1989	1.5	1.8	2.0	1.1	1.8
1990	2.2	1.8	1.3	3.6	2.1
1991	3.2	3.2	2.0	2.4	2.4
1992	2.4	2.4	3.9	4.4	3.4
1993	3.4	2.7	0.3	0.7	1.6
1994	1.0	1.0	0.6	-0.3	0.6
1995	5.9	5.5	4.6	5.2	5.4
1996	0.3	0.6	2.3	1.5	0.9
1997 1/	0.6	0.6	1.7	0.3	0.9
1998 1/	0.3	0.9	1.1	0.0	0.6
1999	-0.6	-1.2	-2.5	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-19. 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>Number of Jobs</b>					
1982	9,850	11,400	12,500	11,350	11,300
1983	9,900	11,300	12,300	11,200	11,200
1984	9,650	11,050	11,950	10,600	10,800
1985	9,800	10,500	11,250	10,150	10,400
1986	9,850	9,950	10,800	10,000	10,150
1987	10,000	10,500	11,300	10,350	10,550
1988	9,750	9,700	10,500	9,950	10,000
1989	9,250	9,700	10,150	9,450	9,650
1990	8,850	9,350	10,400	9,550	9,550
1991	8,800	9,350	10,150	9,900	9,550
1992	9,200	9,350	9,650	9,000	9,300
1993	8,750	8,350	8,800	8,350	8,550
1994	8,000	8,000	8,450	7,550	8,000
1995	7,100	6,950	7,350	7,750	7,300
1996	7,200	7,200	7,550	7,600	7,400
1997 1/	6,800	6,800	7,500	7,700	7,200
1998 1/	7,200	7,400	7,950	7,700	7,550
1999	7,050	7,100	8,000	(NA)	(NA)
<b>Percentage Change from the Same Period in Previous Year</b>					
1982	-1.0	-5.0	-2.0	0.4	-2.2
1983	0.5	-0.9	-1.6	-1.3	-0.9
1984	-2.5	-2.2	-2.8	-5.4	-3.6
1985	1.6	-5.0	-5.9	-4.2	-3.7
1986	0.5	-5.2	-4.0	-1.5	-2.4
1987	1.5	5.5	4.6	3.5	3.9
1988	-2.5	-7.6	-7.1	-3.9	-5.2
1989	-5.1	0.0	-3.3	-5.0	-3.5
1990	-4.3	-3.6	2.5	1.1	-1.0
1991	-0.6	0.0	-2.4	3.7	0.0
1992	4.5	0.0	-4.9	-9.1	-2.6
1993	-4.9	-10.7	-8.8	-7.2	-8.1
1994	-8.6	-4.2	-4.0	-9.6	-6.4
1995	-11.3	-13.1	-13.0	2.6	-8.8
1996	1.4	3.6	2.7	-1.9	1.4
1997 1/	-5.6	-5.6	-0.7	1.3	-2.7
1998 1/	5.9	8.8	6.0	0.0	4.9
1999	-2.1	-4.5	0.6	(NA)	(NA)

NA Not available.

Quarterly averages are computed by the Hawaii State Department of Business, Economic Development & Tourism from the Hawaii State Department of Labor & Industrial Relations monthly rounded data.

1/ Monthly data re-benchmarked March, 1999.

Source: Hawaii State Department of Labor & Industrial Relations.

**Table A-20. INITIAL AGENT CLAIMS FOR UNEMPLOYMENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Claims					
1982	1,176	1,027	1,366	1,324	4,893
1983	1,413	1,136	1,058	1,094	4,701
1984	1,046	933	1,097	1,178	4,254
1985	1,018	857	1,050	1,115	4,040
1986	1,031	914	1,061	977	3,983
1987	897	700	933	817	3,347
1988	924	645	852	740	3,161
1989	692	659	718	814	2,883
1990	819	670	756	847	3,092
1991	839	723	1,047	994	3,603
1992	1,195	1,104	1,305	1,304	4,908
1993	1,205	1,135	1,199	1,225	4,764
1994	1,105	998	1,253	1,137	4,493
1995	1,054	1,013	1,082	1,095	4,244
1996	1,057	837	957	654	3,505
1997	589	524	587	475	2,175
1998	419	400	436	330	1,585
1999	328	272	304	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-3.4	2.4	11.5	30.8	9.8
1983	20.2	10.6	-22.5	-17.4	-3.9
1984	-26.0	-17.9	3.7	7.7	-9.5
1985	-2.7	-8.1	-4.3	-5.3	-5.0
1986	1.3	6.7	1.0	-12.4	-1.4
1987	-13.0	-23.4	-12.1	-16.4	-16.0
1988	3.0	-7.9	-8.7	-9.4	-5.6
1989	-25.1	2.2	-15.7	10.0	-8.8
1990	18.4	1.7	5.3	4.1	7.2
1991	2.4	7.9	38.5	17.4	16.5
1992	42.4	52.7	24.6	31.2	36.2
1993	0.8	2.8	-8.1	-6.1	-2.9
1994	-8.3	-12.1	4.5	-7.2	-5.7
1995	-4.6	1.5	-13.6	-3.7	-5.5
1996	0.3	-17.4	-11.6	-40.3	-17.4
1997	-44.3	-37.4	-38.7	-27.4	-37.9
1998	-28.9	-23.7	-25.7	-30.5	-27.1
1999	-21.7	-32.0	-30.3	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Labor and Industrial Relations, Unemployment Insurance Research Section.

**Table A-21. INITIAL LIABLE CLAIMS FOR UNEMPLOYMENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Claims					
1982	1,375	1,258	1,657	1,504	5,794
1983	1,235	1,095	1,396	1,120	4,846
1984	1,111	1,003	1,338	1,122	4,574
1985	1,182	1,045	1,350	968	4,545
1986	863	1,046	1,271	1,027	4,207
1987	1,022	1,011	1,230	1,075	4,338
1988	1,177	1,083	1,249	1,057	4,566
1989	1,046	1,011	1,233	1,193	4,483
1990	1,324	1,298	1,677	1,590	5,889
1991	1,680	1,731	2,248	2,229	7,888
1992	2,447	2,518	3,113	2,812	10,890
1993	2,673	2,595	3,054	2,728	11,050
1994	2,748	2,492	3,378	3,039	11,657
1995	2,977	2,824	3,288	2,760	11,849
1996	2,454	2,486	2,787	2,335	10,062
1997	2,178	2,157	2,423	1,321	8,079
1998	1,200	1,063	1,470	1,085	4,818
1999	1,022	916	1,084	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-12.0	-9.9	-6.3	5.8	-5.8
1983	-10.2	-13.0	-15.8	-25.5	-16.4
1984	-10.0	-8.4	-4.2	0.2	-5.6
1985	6.4	4.2	0.9	-13.7	-0.6
1986	-27.0	0.1	-5.9	6.1	-7.4
1987	18.4	-3.3	-3.2	4.7	3.1
1988	15.2	7.1	1.5	-1.7	5.3
1989	-11.1	-6.6	-1.3	12.9	-1.8
1990	26.6	28.4	36.0	33.3	31.4
1991	26.9	33.4	34.0	40.2	33.9
1992	45.7	45.5	38.5	26.2	38.1
1993	9.2	3.1	-1.9	-3.0	1.5
1994	2.8	-4.0	10.6	11.4	5.5
1995	8.3	13.3	-2.7	-9.2	1.6
1996	-17.6	-12.0	-15.2	-15.4	-15.1
1997	-11.2	-13.2	-13.1	-43.4	-19.7
1998	-44.9	-50.7	-39.3	-17.9	-40.4
1999	-14.8	-13.8	-26.3	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Labor and Industrial Relations, Unemployment Insurance Research Section.

## B. INCOME AND PRICES

Personal income growth continued through the second quarter of 1999 (the latest data available). Wage and salary growth moderated somewhat, but proprietors' income and dividends, interest, and rent accelerated.

Total personal income grew by 2.3 percent from the second quarter of 1998 to the second quarter of 1999 (Table B-2). While slower than the average rate of growth for 1998, personal income growth remained above the 2.0 percent level for the first half of the year.

Because of its large size, most of the growth came from the 1.6 percent rise in wages in salaries in the second quarter of 1999 compared to the year-earlier quarter (Table B-3). However, the average 1.4 percent growth in wages and salaries for the first half (relative to the year-earlier period) is well below the growth rates in 1997 and 1998.

At 3.2 percent, transfer payments was the second-largest source of personal income growth in the quarter (Table B-7). However, this rate of growth was substantially lower than in 1997 and 1998.

Proprietors' income grew by 5.0 percent in the second quarter compared to the same period in 1998 (Table B-5). The relatively rapid growth in proprietors' income is indirect evidence that growing self-employment in Hawaii helps explain the divergence between civilian employment and wage and salary jobs.

The dividends, interest, and rent component of personal income expanded by 2.9 percent over the period (Table B-6). This

was the fastest rate of growth in a quarter (from the year-earlier period) since the third quarter of 1996. The strength of the Mainland economy and financial markets seem to be reflected in these data.

By industry, adjusting for size, the largest earnings increase came in services (3.2 percent, Table B-1). Finance, insurance and real estate earnings grew by a sharp 6.3 percent. Other industries with positive earnings growth included retail trade (1.9 percent) and transportation and public utilities (1.4 percent).

In industries with declining earnings over the period, the largest drops came in construction (-5.9 percent), manufacturing (-4.8 percent), and wholesale trade (-0.9 percent).

Overall, earnings in the public sector expanded by 2.5 percent from the second quarter of 1998 through the second quarter of 1999. Positive earnings growth in the federal civilian sector and the state and local government sector offset a decline in military earnings.

As reported in the last issue of the *Quarterly Statistical and Economic Report*, the Honolulu Consumer Price Index increased by a modest 0.4 percent in the first half of the year compared to the first half of 1998. Implicitly, this put real personal income growth at under 2.0 percent for the first half of the year. The inflation reading for the second half of the year should be available from the U.S. Bureau of Labor Statistics in February 2000.

**Table B-1. PERSONAL INCOME FOR HAWAII BY MAJOR SOURCES**

[In Millions of Dollars at Seasonally Adjusted Annual Rates]

Series	Second Quarter 1998	First Half 1998	First Quarter 1999	Second Quarter 1999	First Half 1999	Percent Change		
						To Second Quarter 1999 from		First Half 1999 from 1998
						First Quarter 1999	Second Quarter 1998	
PERSONAL INCOME	31,192	31,107	31,634	31,901	31,768	0.8	2.3	2.1
Earnings By Place of Work	22,136	22,092	22,351	22,545	22,448	0.9	1.8	1.6
Wage and salary disbursements	17,724	17,690	17,873	18,016	17,945	0.8	1.6	1.4
Other labor income	1,699	1,701	1,670	1,680	1,675	0.6	-1.1	-1.5
Proprietors' income	2,713	2,701	2,808	2,849	2,829	1.5	5.0	4.7
Farm proprietors' income	6	6	4	2	3	-50.0	-66.7	-50.0
Nonfarm proprietors' income	2,707	2,695	2,803	2,847	2,825	1.6	5.2	4.8
Dividends, interest, and rent	5,137	5,116	5,234	5,286	5,260	1.0	2.9	2.8
Transfer payments	5,346	5,327	5,488	5,517	5,503	0.5	3.2	3.3
Less: Pers. cont. for social insur.	1,427	1,428	1,439	1,448	1,444	0.6	1.5	1.1
Earnings By Industry	22,136	22,092	22,351	22,545	22,448	0.9	1.8	1.6
Farm Earnings	168	165	171	160	166	-6.4	-4.8	0.3
Nonfarm Earnings	21,968	21,927	22,180	22,385	22,283	0.9	1.9	1.6
Private Earnings	16,345	16,288	16,403	16,619	16,511	1.3	1.7	1.4
Ag. serv., forestry, fishing & oth	150	148	148	145	147	-2.0	-3.3	-1.0
Mining	17	17	15	15	15	0.0	-11.8	-11.8
Construction	1,393	1,387	1,314	1,311	1,313	-0.2	-5.9	-5.4
Manufacturing	813	812	815	774	795	-5.0	-4.8	-2.1
Transport. and public utilities	1,823	1,832	1,839	1,849	1,844	0.5	1.4	0.7
Wholesale trade	821	818	812	814	813	0.2	-0.9	-0.6
Retail trade	2,651	2,657	2,671	2,701	2,686	1.1	1.9	1.1
Finance, insur., and real estate	1,818	1,794	1,863	1,932	1,898	3.7	6.3	5.8
Services	6,859	6,825	6,927	7,077	7,002	2.2	3.2	2.6
Gov't and gov't enterprises	5,623	5,640	5,778	5,766	5,772	-0.2	2.5	2.3
Federal, civilian	1,378	1,371	1,436	1,437	1,437	0.1	4.3	4.8
Military	1,547	1,565	1,549	1,520	1,535	-1.9	-1.7	-1.9
State and local	2,698	2,704	2,793	2,809	2,801	0.6	4.1	3.6

Data for 1999 Q1 have been revised.

Source: U.S. Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999

<<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.

**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 Average</i>
In Millions of Dollars at Seasonally Adjusted Annual Rates					
1982	11,697	12,004	12,204	12,280	12,046
1983	12,875	13,088	13,215	13,595	13,193
1984	13,706	14,079	14,303	14,405	14,123
1985	14,771	14,933	15,146	15,429	15,070
1986	15,752	15,942	16,264	16,515	16,118
1987	16,785	17,132	17,502	18,047	17,367
1988	18,550	19,055	19,349	19,993	19,237
1989	20,463	20,978	21,425	22,053	21,230
1990	22,913	23,669	24,338	24,906	23,957
1991	24,811	24,932	25,153	25,496	25,098
1992	26,292	26,678	25,074	27,445	26,372
1993	27,422	27,645	27,467	27,511	27,511
1994	27,829	28,096	28,497	28,904	28,332
1995	29,195	29,421	29,412	29,557	29,396
1996	29,656	29,739	29,854	29,886	29,784
1997	30,224	30,437	30,727	30,669	30,514
1998	31,022	31,192	31,316	31,543	31,268
1999	31,634	31,901	(NA)	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	5.6	7.0	5.8	5.2	5.9
1983	10.1	9.0	8.3	10.7	9.5
1984	6.5	7.6	8.2	6.0	7.0
1985	7.8	6.1	5.9	7.1	6.7
1986	6.6	6.8	7.4	7.0	7.0
1987	6.6	7.5	7.6	9.3	7.7
1988	10.5	11.2	10.6	10.8	10.8
1989	10.3	10.1	10.7	10.3	10.4
1990	12.0	12.8	13.6	12.9	12.8
1991	8.3	5.3	3.3	2.4	4.8
1992	6.0	7.0	-0.3	7.6	5.1
1993	4.3	3.6	9.5	0.2	4.3
1994	1.5	1.6	3.7	5.1	3.0
1995	4.9	4.7	3.2	2.3	3.8
1996	1.6	1.1	1.5	1.1	1.3
1997	1.9	2.3	2.9	2.6	2.5
1998	2.6	2.5	1.9	2.8	2.5
1999	2.0	2.3	(NA)	(NA)	(NA)

Data for 1999 Q1 have been revised.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999 <<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table B-3. TOTAL WAGES AND SALARIES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual Average</i>
In Millions of Dollars at Seasonally Adjusted Annual Rates					
1982	7,391	7,521	7,685	7,828	7,606
1983	7,993	8,064	8,062	8,321	8,110
1984	8,412	8,645	8,692	8,762	8,628
1985	8,987	9,122	9,275	9,455	9,210
1986	9,557	9,668	9,882	10,158	9,816
1987	10,382	10,632	10,882	11,166	10,766
1988	11,420	11,712	11,922	12,273	11,832
1989	12,548	12,903	13,245	13,612	13,077
1990	13,935	14,349	14,703	15,084	14,518
1991	15,141	15,253	15,481	15,693	15,392
1992	16,167	16,341	16,404	16,727	16,410
1993	16,609	16,847	16,608	16,523	16,647
1994	16,701	16,691	16,778	16,870	16,760
1995	16,776	16,871	16,792	16,805	16,811
1996	16,825	16,908	17,012	17,034	16,945
1997	17,226	17,359	17,565	17,448	17,400
1998	17,656	17,724	17,776	17,903	17,765
1999	17,873	18,016	(NA)	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	5.1	5.2	6.6	6.6	5.9
1983	8.1	7.2	4.9	6.3	6.6
1984	5.2	7.2	7.8	5.3	6.4
1985	6.8	5.5	6.7	7.9	6.7
1986	6.3	6.0	6.5	7.4	6.6
1987	8.6	10.0	10.1	9.9	9.7
1988	10.0	10.2	9.6	9.9	9.9
1989	9.9	10.2	11.1	10.9	10.5
1990	11.1	11.2	11.0	10.8	11.0
1991	8.7	6.3	5.3	4.0	6.1
1992	6.8	7.1	6.0	6.6	6.6
1993	2.7	3.1	1.2	-1.2	1.5
1994	0.6	-0.9	1.0	2.1	0.7
1995	0.4	1.1	0.1	-0.4	0.3
1996	0.3	0.2	1.3	1.4	0.8
1997	2.4	2.7	3.3	2.4	2.7
1998	2.5	2.1	1.2	2.6	2.1
1999	1.2	1.6	(NA)	(NA)	(NA)

Data for 1999 Q1 have been revised.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999  
 <<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.



**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 Average</i>
In Millions of Dollars at Seasonally Adjusted Annual Rates					
1982	610	633	659	683	646
1983	695	711	720	746	718
1984	763	796	803	814	794
1985	826	827	841	859	838
1986	885	923	960	991	940
1987	998	1,013	1,013	1,040	1,016
1988	1,058	1,078	1,096	1,132	1,091
1989	1,164	1,220	1,274	1,323	1,245
1990	1,367	1,420	1,476	1,541	1,451
1991	1,566	1,612	1,660	1,690	1,632
1992	1,742	1,758	1,779	1,789	1,767
1993	1,889	1,892	1,889	1,870	1,885
1994	1,957	1,934	1,952	1,951	1,949
1995	1,923	1,900	1,854	1,817	1,874
1996	1,768	1,744	1,730	1,713	1,739
1997	1,717	1,719	1,725	1,695	1,714
1998	1,703	1,699	1,691	1,685	1,694
1999	1,670	1,680	(NA)	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	8.3	9.9	13.4	14.8	11.7
1983	13.9	12.3	9.3	9.2	11.1
1984	9.8	12.0	11.5	9.1	10.6
1985	8.3	3.9	4.7	5.5	5.6
1986	7.1	11.6	14.1	15.4	12.1
1987	12.8	9.8	5.5	4.9	8.1
1988	6.0	6.4	8.2	8.8	7.4
1989	10.0	13.2	16.2	16.9	14.1
1990	17.4	16.4	15.9	16.5	16.5
1991	14.6	13.5	12.5	9.7	12.5
1992	11.2	9.1	7.2	5.9	8.3
1993	8.4	7.6	6.2	4.5	6.7
1994	3.6	2.2	3.3	4.3	3.4
1995	-1.7	-1.8	-5.0	-6.9	-3.8
1996	-8.1	-8.2	-6.7	-5.7	-7.2
1997	-2.9	-1.4	-0.3	-1.1	-1.4
1998	-0.9	-1.2	-2.0	-0.6	-1.2
1999	-1.9	-1.1	(NA)	(NA)	(NA)

Data for 1999 Q1 have been revised.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999, <<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.

**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 Average</i>
In Millions of Dollars at Seasonally Adjusted Annual Rates					
1982	729	850	845	863	822
1983	1,027	1,027	1,029	1,021	1,026
1984	992	1,039	1,087	1,021	1,035
1985	1,129	1,126	1,127	1,150	1,133
1986	1,186	1,193	1,265	1,265	1,227
1987	1,257	1,294	1,357	1,412	1,330
1988	1,596	1,763	1,719	1,806	1,721
1989	1,792	1,776	1,792	1,870	1,808
1990	2,041	2,094	2,157	2,169	2,115
1991	2,056	2,083	2,063	2,036	2,060
1992	2,063	2,036	2,173	2,200	2,118
1993	2,281	2,279	2,317	2,372	2,312
1994	2,304	2,346	2,382	2,421	2,363
1995	2,441	2,473	2,536	2,560	2,503
1996	2,530	2,533	2,530	2,524	2,529
1997	2,528	2,569	2,609	2,648	2,589
1998	2,689	2,713	2,721	2,761	2,721
1999	2,808	2,849	(NA)	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-9.4	14.7	9.5	15.8	7.3
1983	40.9	20.8	21.8	18.3	24.9
1984	-3.4	1.2	5.6	0.0	0.9
1985	13.8	8.4	3.7	12.6	9.5
1986	5.0	6.0	12.2	10.0	8.3
1987	6.0	8.5	7.3	11.6	8.4
1988	27.0	36.2	26.7	27.9	29.4
1989	12.3	0.7	4.2	3.5	5.0
1990	13.9	17.9	20.4	16.0	17.0
1991	0.7	-0.5	-4.4	-6.1	-2.6
1992	0.3	-2.3	5.3	8.1	2.8
1993	10.6	11.9	6.6	7.8	9.2
1994	1.0	2.9	2.8	2.1	2.2
1995	5.9	5.4	6.5	5.7	5.9
1996	3.6	2.4	-0.2	-1.4	1.0
1997	-0.1	1.4	3.1	4.9	2.4
1998	6.4	5.6	4.3	4.3	5.1
1999	4.4	5.0	(NA)	(NA)	(NA)

Data for 1999 Q1 have been revised.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999, <<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.

**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 Average</i>
In Millions of Dollars at Seasonally Adjusted Annual Rates					
1982	1,915	1,930	1,896	1,726	1,867
1983	1,963	2,043	2,143	2,232	2,095
1984	2,273	2,340	2,452	2,509	2,394
1985	2,511	2,523	2,536	2,587	2,539
1986	2,696	2,701	2,690	2,651	2,685
1987	2,689	2,724	2,788	2,962	2,791
1988	2,988	3,005	3,098	3,255	3,087
1989	3,409	3,527	3,505	3,550	3,498
1990	3,692	3,823	3,978	4,033	3,882
1991	3,996	3,989	4,001	4,061	4,012
1992	4,055	4,126	2,543	4,076	3,700
1993	4,114	4,031	3,981	3,986	4,028
1994	4,097	4,267	4,451	4,638	4,363
1995	4,757	4,786	4,780	4,899	4,806
1996	4,982	4,995	5,027	5,035	5,010
1997	5,075	5,077	5,080	5,082	5,079
1998	5,095	5,137	5,180	5,218	5,158
1999	5,234	5,286	(NA)	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	10.5	7.6	-1.0	-10.8	1.2
1983	2.5	5.9	13.0	29.3	12.2
1984	15.8	14.5	14.4	12.4	14.2
1985	10.5	7.8	3.4	3.1	6.1
1986	7.4	7.1	6.1	2.5	5.7
1987	-0.3	0.9	3.6	11.7	4.0
1988	11.1	10.3	11.1	9.9	10.6
1989	14.1	17.4	13.1	9.1	13.3
1990	8.3	8.4	13.5	13.6	11.0
1991	8.2	4.3	0.6	0.7	3.4
1992	1.5	3.4	-36.4	0.4	-7.8
1993	1.5	-2.3	56.5	-2.2	8.9
1994	-0.4	5.9	11.8	16.4	8.3
1995	16.1	12.2	7.4	5.6	10.1
1996	4.7	4.4	5.2	2.8	4.2
1997	1.9	1.6	1.1	0.9	1.4
1998	0.4	1.2	2.0	2.7	1.6
1999	2.7	2.9	(NA)	(NA)	(NA)

Data for 1999 Q1 have been revised.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999, <<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.

**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 Average</i>
In Millions of Dollars at Seasonally Adjusted Annual Rates					
1982	1,598	1,628	1,691	1,761	1,670
1983	1,800	1,845	1,858	1,886	1,847
1984	1,901	1,911	1,920	1,948	1,920
1985	2,016	2,033	2,066	2,083	2,050
1986	2,155	2,188	2,208	2,205	2,189
1987	2,238	2,261	2,269	2,289	2,264
1988	2,373	2,402	2,433	2,471	2,420
1989	2,543	2,572	2,652	2,766	2,633
1990	2,985	3,108	3,180	3,263	3,134
1991	3,270	3,213	3,180	3,260	3,231
1992	3,448	3,555	3,695	3,869	3,642
1993	3,870	3,930	3,985	4,052	3,959
1994	4,133	4,204	4,285	4,381	4,251
1995	4,668	4,770	4,820	4,848	4,777
1996	4,919	4,931	4,936	4,961	4,937
1997	5,080	5,125	5,174	5,208	5,147
1998	5,307	5,346	5,373	5,406	5,358
1999	5,488	5,517	(NA)	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	10.7	10.4	7.7	11.1	9.9
1983	12.6	13.3	9.9	7.1	10.6
1984	5.6	3.6	3.3	3.3	3.9
1985	6.0	6.4	7.6	6.9	6.7
1986	6.9	7.6	6.9	5.9	6.8
1987	3.9	3.3	2.8	3.8	3.4
1988	6.0	6.2	7.2	8.0	6.9
1989	7.2	7.1	9.0	11.9	8.8
1990	17.4	20.8	19.9	18.0	19.0
1991	9.5	3.4	0.0	-0.1	3.1
1992	5.4	10.6	16.2	18.7	12.7
1993	12.2	10.5	7.8	4.7	8.7
1994	6.8	7.0	7.5	8.1	7.4
1995	12.9	13.5	12.5	10.7	12.4
1996	5.4	3.4	2.4	2.3	3.4
1997	3.3	3.9	4.8	5.0	4.3
1998	4.5	4.3	3.8	3.8	4.1
1999	3.4	3.2	(NA)	(NA)	(NA)

Data for 1999 Q1 have been revised.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999, <<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table B-8. PERSONAL CONTRIBUTIONS TO SOCIAL INSURANCE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual Average</i>
In Millions of Dollars at Seasonally Adjusted Annual Rates					
1982	546	559	573	582	565
1983	603	602	597	612	604
1984	636	653	651	647	647
1985	696	698	700	705	700
1986	727	731	741	756	739
1987	778	792	808	822	800
1988	886	905	919	944	914
1989	993	1,020	1,044	1,068	1,031
1990	1,106	1,126	1,157	1,183	1,143
1991	1,218	1,218	1,232	1,244	1,228
1992	1,293	1,301	1,302	1,292	1,297
1993	1,339	1,334	1,313	1,292	1,320
1994	1,363	1,345	1,351	1,357	1,354
1995	1,371	1,378	1,370	1,370	1,372
1996	1,368	1,372	1,380	1,381	1,375
1997	1,401	1,411	1,426	1,412	1,413
1998	1,428	1,427	1,425	1,429	1,427
1999	1,439	1,448	(NA)	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	7.9	9.6	11.3	10.6	9.9
1983	10.4	7.7	4.2	5.2	6.8
1984	5.5	8.5	9.0	5.7	7.2
1985	9.4	6.9	7.5	9.0	8.2
1986	4.5	4.7	5.9	7.2	5.6
1987	7.0	8.3	9.0	8.7	8.3
1988	13.9	14.3	13.7	14.8	14.2
1989	12.1	12.7	13.6	13.1	12.9
1990	11.4	10.4	10.8	10.8	10.8
1991	10.1	8.2	6.5	5.2	7.4
1992	6.2	6.8	5.7	3.9	5.6
1993	3.6	2.5	0.8	0.0	1.7
1994	1.8	0.8	2.9	5.0	2.6
1995	0.6	2.5	1.4	1.0	1.3
1996	-0.2	-0.4	0.7	0.8	0.2
1997	2.4	2.8	3.3	2.2	2.8
1998	1.9	1.1	-0.1	1.2	1.0
1999	0.8	1.5	(NA)	(NA)	(NA)

Data for 1999 Q1 have been revised.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data: October 26, 1999, <<http://www.bea.doc.gov/bea/regional/sq/sq5prn.exe>> and <<http://www.bea.doc.gov/bea/newsrel/spi1099.html>>, and tabulations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table B-9. HONOLULU and U.S. CONSUMER PRICE INDEX,  
ALL URBAN CONSUMERS (CPI-U)**  
[1982-84=100]

Period	U.S.	Honolulu								
		All Items	Food & Beverages	Housing	Apparel & Upkeep	Transportation	Medical Care	Recreation 1/	Educ. & Comm. 1/	Other Goods & Services
1982	96.5	97.2	96.9	98.0	98.4	99.0	91.6	(NA)	(NA)	92.0
1983	99.6	99.3	99.5	98.9	101.4	98.2	101.1	(NA)	(NA)	101.4
1984	103.9	103.5	103.6	103.1	100.2	102.9	107.3	(NA)	(NA)	106.6
1985	107.6	106.8	107.8	106.0	99.6	104.9	113.2	(NA)	(NA)	112.5
1986	109.6	109.4	110.0	108.4	99.8	105.2	122.3	(NA)	(NA)	119.6
1987	113.6	114.9	114.1	115.0	102.5	109.7	127.9	(NA)	(NA)	129.7
1988	118.3	121.7	120.3	123.0	106.8	116.1	132.5	(NA)	(NA)	137.1
1989	124.0	128.7	128.1	131.1	104.3	123.9	139.3	(NA)	(NA)	146.1
1990	130.7	138.1	137.8	141.5	107.0	131.1	154.2	(NA)	(NA)	160.4
1991	136.2	148.0	145.9	152.8	110.5	139.3	171.3	(NA)	(NA)	175.7
1992	140.3	155.1	148.5	161.7	114.2	147.4	182.6	(NA)	(NA)	189.0
1993	144.5	160.1	152.9	166.5	116.5	150.5	197.4	(NA)	(NA)	200.1
1994	148.2	164.5	153.4	171.6	118.7	156.4	206.0	(NA)	(NA)	209.6
1995	152.4	168.1	156.8	174.7	117.5	162.4	209.8	(NA)	(NA)	216.8
1996	156.9	170.7	156.6	176.8	118.5	167.0	215.0	(NA)	(NA)	226.5
1997	160.5	171.9	159.2	177.1	117.3	166.2	217.3	(NA)	(NA)	239.0
1998	163.0	171.5	159.1	176.0	112.2	162.5	226.1	100.8	99.1	256.1
1995H1	151.5	166.9	156.5	173.4	118.1	160.0	207.8	(NA)	(NA)	214.4
H2	153.2	169.4	157.1	176.0	116.9	164.9	211.8	(NA)	(NA)	219.2
1996H1	155.8	170.5	156.9	176.8	120.0	166.3	214.9	(NA)	(NA)	220.6
H2	157.9	171.0	156.3	176.8	116.9	167.7	215.0	(NA)	(NA)	232.4
1997H1	159.9	172.1	159.4	177.3	119.8	167.8	215.6	(NA)	(NA)	232.5
H2	161.2	171.8	159.0	177.0	114.8	164.6	219.1	(NA)	(NA)	245.5
1998H1	162.3	172.0	160.0	176.3	116.4	163.2	222.5	101.4	98.9	254.3
H2	163.7	171.0	158.2	175.7	108.0	161.8	229.8	100.3	99.3	258.0
1999H1	165.4	172.7	162.4	175.5	106.0	162.3	231.0	101.3	102.6	273.9
Percentage Change from the Same Period in Previous Year										
1982	6.2	6.0	4.6	6.2	4.1	3.4	12.0	(NA)	(NA)	12.9
1983	3.2	2.2	2.7	0.9	3.0	-0.8	10.4	(NA)	(NA)	10.2
1984	4.3	4.2	4.1	4.2	-1.2	4.8	6.1	(NA)	(NA)	5.1
1985	3.6	3.2	4.1	2.8	-0.6	1.9	5.5	(NA)	(NA)	5.5
1986	1.9	2.4	2.0	2.3	0.2	0.3	8.0	(NA)	(NA)	6.3
1987	3.6	5.0	3.7	6.1	2.7	4.3	4.6	(NA)	(NA)	8.4
1988	4.1	5.9	5.4	7.0	4.2	5.8	3.6	(NA)	(NA)	5.7
1989	4.8	5.8	6.5	6.6	-2.3	6.7	5.1	(NA)	(NA)	6.6
1990	5.4	7.3	7.6	7.9	2.6	5.8	10.7	(NA)	(NA)	9.8
1991	4.2	7.2	5.9	8.0	3.3	6.3	11.1	(NA)	(NA)	9.5
1992	3.0	4.8	1.8	5.8	3.3	5.8	6.6	(NA)	(NA)	7.6
1993	3.0	3.2	3.0	3.0	2.0	2.1	8.1	(NA)	(NA)	5.9
1994	2.6	2.7	0.3	3.1	1.9	3.9	4.4	(NA)	(NA)	4.7
1995	2.8	2.2	2.2	1.8	-1.0	3.8	1.8	(NA)	(NA)	3.4
1996	2.9	1.5	-0.1	1.2	0.9	2.8	2.5	(NA)	(NA)	4.5
1997	2.3	0.7	1.7	0.2	-1.0	-0.5	1.1	(NA)	(NA)	5.5
1998	1.6	-0.2	-0.1	-0.6	-4.3	-2.2	4.0	(NA)	(NA)	7.2
1995H1	3.0	2.1	3.2	1.8	-0.8	2.6	1.6	(NA)	(NA)	3.3
H2	2.6	2.2	1.2	1.9	-1.1	5.2	2.1	(NA)	(NA)	3.5
1996H1	2.8	2.2	0.3	2.0	1.6	3.9	3.4	(NA)	(NA)	2.9
H2	3.1	0.9	-0.5	0.5	0.0	1.7	1.5	(NA)	(NA)	6.0
1997H1	2.6	0.9	1.6	0.3	-0.2	0.9	0.3	(NA)	(NA)	5.4
H2	2.1	0.5	1.7	0.1	-1.8	-1.8	1.9	(NA)	(NA)	5.6
1998H1	1.5	-0.1	0.4	-0.6	-2.8	-2.7	3.2	(NA)	(NA)	9.4
H2	1.6	-0.5	-0.5	-0.7	-5.9	-1.7	4.9	(NA)	(NA)	5.1
1999H1	1.9	0.4	1.5	-0.5	-8.9	-0.6	3.8	-0.1	3.7	7.7

Data on U.S. CPI are released monthly and Honolulu CPI, twice a year in February and August for the half (H) year previous.  
NA Not available.

1/ New indexes as of January 1998. Base period is December 1997. The former "Entertainment" index has been discontinued.

Source: U.S. Bureau of Labor Statistics, <<http://stats.bls.gov>>, Fax-on-Demand (415) 975-4567, and Information (415) 975-4350.

## C. TAX REVENUES

The recent decline in general fund tax revenues slowed markedly in the third quarter. While net individual income tax receipts declined because of recent rate reductions, estimated payments with returns continued to grow strongly. General excise and use tax revenue also expanded in the third quarter.

General fund tax revenues fell by 0.4 percent from the third quarter of 1998 to the third quarter of 1999 (Table C-2). This was the third consecutive quarter of revenue decline, however the rate of decline was much smaller than in the first and second quarters. The drop was almost entirely due to lower individual income tax receipts related to the rate reductions currently being phased in.

Net individual income tax receipts fell by 1.9 percent over the period (Table C-4). As with total general fund receipts, the third quarter decline was also smaller than those posted in the first and second quarters.

The effects of the income tax rate reductions are first seen in the withholding tax on wages which was down 2.8 percent in the third quarter, following somewhat larger reductions earlier in the year (Table C-7).

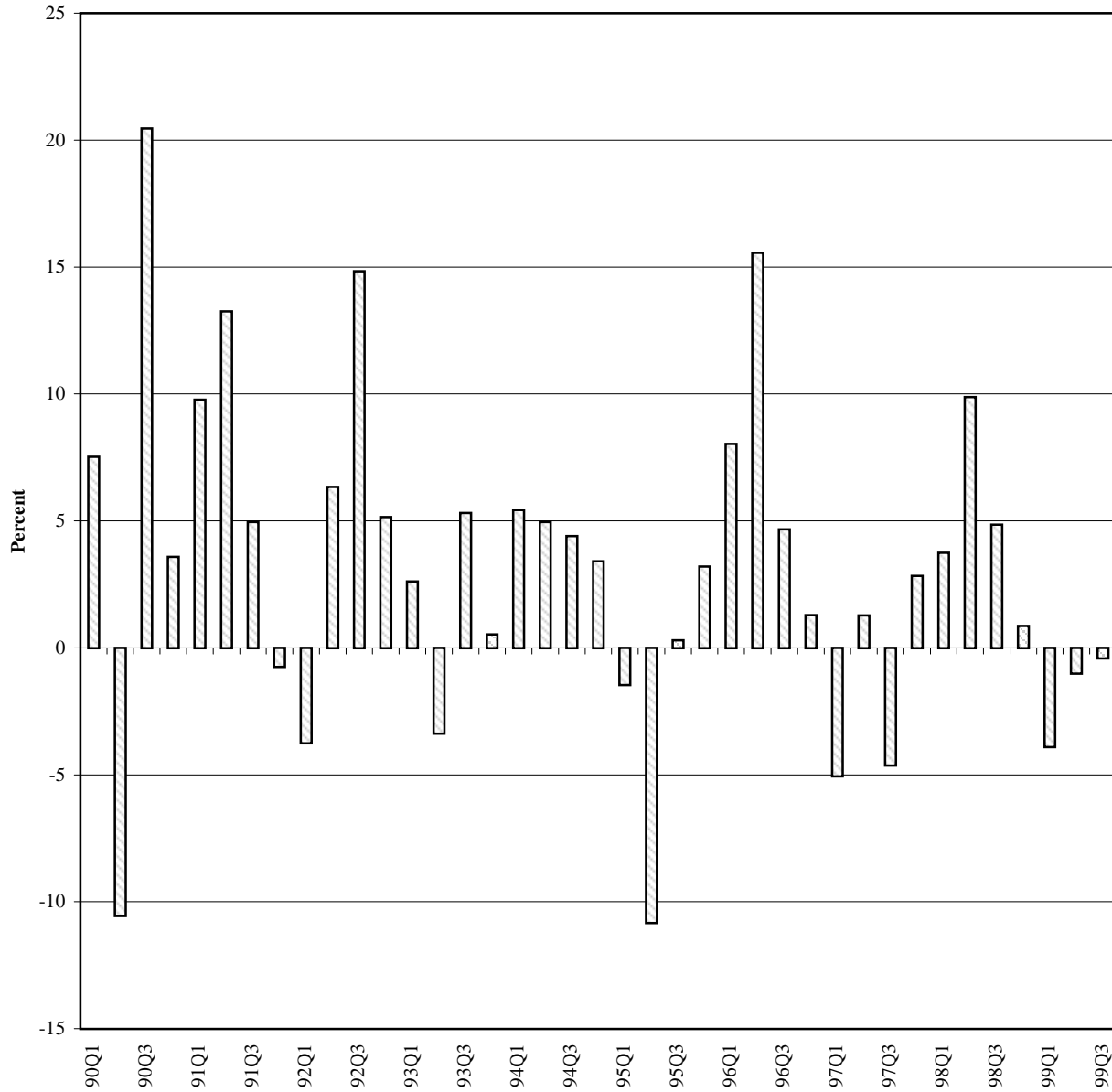
On the other hand, declarations of estimated taxes grew by 5.4 percent in the third quarter relative to the year-earlier quarter (Table C-5). Indeed, third-quarter declarations of estimated taxes were at a peak this year.

The largest source of general fund revenue, the general excise and use tax, expanded by 3.4 percent in the third quarter (Table C-3), the second quarter of strong growth. It supports the suggestion from rising estimated individual income taxes that the economy is showing underlying strength.

Net corporate income tax receipts fell by 8.8 percent in the third quarter (Table C-9). On the corporate side, declarations of estimated taxes were also down by 1.2 percent (Table C-10). However, corporate income tax receipts are notoriously volatile.

Finally, transient accommodations tax (TAT) revenue grew by a sharp 30.5 percent in the third quarter (Table C-13). Most of this gain was due to the increase in the TAT rate from 6 percent to 7.25 percent that took place on January 1, 1999. However, some of the gain was likely due to the extension of the TAT tax base to include time-share units and to increased visitor activity.

**Figure 2. Annual Growth in General Fund Revenue**  
 [percentage change from same period in previous year]



Source: Table C-2. State General Tax Revenues.



**Table C-1. GENERAL FUND TAX REVENUES AND MAJOR COMPONENTS**

Year	General Excise and Use Tax	Net Individual Income Tax 1/	Net Corporate Income Tax 2/	Tax Revenues Distributed to State General Fund	
In Thousands of Dollars					
1990	1,250,203	743,114	86,269	2,246,752	
1991	1,287,819	1,174,144	70,568	2,397,289	
1992	1,299,814	922,206	42,737	2,523,670	
1993	1,308,797	951,405	22,239	2,555,912	
1994	1,347,945	1,003,480	34,228	2,672,291	
1995	1,386,684	918,811	37,336	2,614,713	
1996	1,469,766	995,456	51,243	2,799,972	
1997	1,433,012	985,000	55,594	2,756,621	
1998	1,436,654	1,093,241	50,112	2,889,291	
1997	1 Qtr.	365,069	227,409	18,055	688,683
	2 Qtr.	366,563	213,468	32,330	676,222
	3 Qtr.	356,533	269,597	10,594	704,749
	4 Qtr.	344,846	274,526	-5,386	686,967
1998	1 Qtr.	375,018	247,815	10,592	714,466
	2 Qtr.	348,955	291,713	30,408	743,003
	3 Qtr.	360,313	283,430	15,479	738,957
	4 Qtr.	352,368	270,283	-6,368	692,866
1999	1 Qtr.	369,292	238,606	7,428	686,747
	2 Qtr.	365,306	276,392	26,104	735,905
	3 Qtr.	372,436	277,965	14,119	735,969
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	
1996	6.0	8.3	37.2	7.1	
1997	-2.5	-1.1	8.5	-1.5	
1998	0.3	11.0	-9.9	4.8	
1997	1 Qtr.	-5.6	-6.1	16.9	-5.0
	2 Qtr.	2.6	-2.0	14.1	1.3
	3 Qtr.	-5.9	-2.6	6.9	-4.6
	4 Qtr.	-0.5	6.2	-119.3	2.8
1998	1 Qtr.	2.7	9.0	-41.3	3.7
	2 Qtr.	-4.8	36.7	-5.9	9.9
	3 Qtr.	1.1	5.1	46.1	4.9
	4 Qtr.	2.2	-1.5	-18.3	0.9
1999	1 Qtr.	-1.5	-3.7	-29.9	-3.9
	2 Qtr.	4.7	-5.3	-14.2	-1.0
	3 Qtr.	3.4	-1.9	-8.8	-0.4

These series represent data as reported by the Hawaii State Department of Taxation, without adjustment.

1/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.  
Individual income tax rates changed effective January 1, 1999.

2/ 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>
In Thousands of Dollars					
1982	248,406	219,138	284,382	259,539	1,011,465
1983	267,915	270,679	295,506	275,775	1,109,876
1984	293,272	313,706	317,326	316,049	1,240,352
1985	315,085	344,413	344,675	321,618	1,325,791
1986	347,122	393,178	377,598	368,586	1,486,484
1987	400,595	461,147	430,015	438,903	1,730,661
1988	466,092	514,559	483,626	484,896	1,949,173
1989	554,241	593,091	441,009	401,572	1,989,914
1990	595,970	530,495	531,249	589,039	2,246,752
1991	654,222	600,830	557,568	584,670	2,397,289
1992	629,722	638,901	640,253	614,794	2,523,670
1993	646,216	617,400	674,236	618,060	2,555,912
1994	681,253	647,987	703,935	639,117	2,672,291
1995	671,365	577,803	705,999	659,548	2,614,713
1996	725,284	667,711	738,963	668,014	2,799,972
1997	688,683	676,222	704,749	686,967	2,756,621
1998	714,466	743,003	738,957	692,866	2,889,291
1999	686,747	735,905	735,969	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	15.6	4.7	1.3	7.1
1997	-5.0	1.3	-4.6	2.8	-1.5
1998	3.7	9.9	4.9	0.9	4.8
1999	-3.9	-1.0	-0.4	(NA)	(NA)

NA 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 Thousands of Dollars					
1982	141,147	147,532	151,149	134,763	574,591
1983	155,780	159,436	151,498	148,822	615,536
1984	165,120	173,806	165,634	165,245	669,805
1985	174,055	178,697	176,769	177,860	707,381
1986	192,020	200,047	198,275	187,620	777,961
1987	216,698	214,933	219,312	218,096	869,039
1988	240,506	241,951	241,340	242,153	965,952
1989	270,801	270,683	272,645	282,347	1,096,476
1990	313,129	308,567	314,328	314,180	1,250,203
1991	345,988	304,241	335,721	301,869	1,287,819
1992	338,289	318,844	325,339	317,342	1,299,814
1993	332,689	327,549	332,661	315,898	1,308,797
1994	353,369	330,321	345,772	318,484	1,347,945
1995	363,101	335,906	348,033	339,643	1,386,684
1996	386,710	357,416	379,032	346,610	1,469,766
1997	365,069	366,563	356,533	344,846	1,433,012
1998	375,018	348,955	360,313	352,368	1,436,654
1999	369,292	365,306	372,436	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	6.4	8.9	2.1	6.0
1997	-5.6	2.6	-5.9	-0.5	-2.5
1998	2.7	-4.8	1.1	2.2	0.3
1999	-1.5	4.7	3.4	(NA)	(NA)

NA Not available.

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

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>
In Thousands of Dollars					
1982	85,998	12,566	98,191	102,059	298,814
1983	94,527	54,183	107,922	102,844	359,476
1984	112,154	81,345	111,966	108,421	413,885
1985	108,567	100,301	125,692	115,999	450,559
1986	125,668	99,847	129,120	135,552	490,187
1987	134,393	143,625	138,773	157,936	574,727
1988	159,295	170,005	168,975	182,516	680,790
1989	205,046	211,019	176,720	209,181	801,966
1990	201,606	107,591	215,990	217,927	743,114
1991	316,671	345,208	267,023	245,243	1,174,144
1992	228,846	215,991	244,012	233,357	922,206
1993	233,868	211,674	262,953	242,909	951,405
1994	236,377	220,304	281,470	265,328	1,003,480
1995	224,594	154,311	277,058	262,848	918,811
1996	242,252	217,770	276,896	258,539	995,456
1997	227,409	213,468	269,597	274,526	985,000
1998	247,815	291,713	283,430	270,283	1,093,241
1999 1/	238,606	276,392	277,965	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	41.1	-0.1	-1.6	8.3
1997	-6.1	-2.0	-2.6	6.2	-1.1
1998	9.0	36.7	5.1	-1.5	11.0
1999 1/	-3.7	-5.3	-1.9	(NA)	(NA)

NA Not available.

Net Individual Income tax includes declaration of estimated taxes plus payments with returns plus withholding tax on wages less refunds.

1/ Individual income tax rates changed effective January 1, 1999.

Source: Hawaii State Department of Taxation.

**Table C-5. DECLARATION OF ESTIMATED TAXES - INDIVIDUAL**

<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 Dollars					
1982	10,662	15,533	8,515	4,669	39,379
1983	10,618	16,827	8,374	5,895	41,713
1984	11,135	19,527	9,844	6,048	46,555
1985	13,054	24,046	11,262	4,606	52,969
1986	18,072	24,902	10,270	11,276	64,520
1987	24,231	36,322	11,000	17,991	89,544
1988	32,825	46,532	19,783	20,040	119,180
1989	54,823	60,432	22,282	24,566	162,104
1990	54,441	54,768	31,377	29,780	170,366
1991	83,829	72,867	36,623	22,118	215,437
1992	49,738	68,535	31,351	17,657	167,281
1993	48,738	59,889	40,904	17,164	166,694
1994	46,629	60,087	31,385	16,766	154,867
1995	34,625	56,884	28,113	16,929	136,552
1996	35,618	63,964	30,363	21,420	151,365
1997	39,376	69,322	32,743	24,806	166,247
1998	41,013	83,620	40,061	29,539	194,233
1999 1/	40,633	88,883	42,225	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-2.8	-1.3	-8.5	-20.3	-6.0
1983	-0.4	8.3	-1.7	26.3	5.9
1984	4.9	16.1	17.5	2.6	11.6
1985	17.2	23.1	14.4	-23.9	13.8
1986	38.5	3.6	-8.8	144.8	21.8
1987	34.1	45.9	7.1	59.6	38.8
1988	35.5	28.1	79.8	11.4	33.1
1989	67.0	29.9	12.6	22.6	36.0
1990	-0.7	-9.4	40.8	21.2	5.1
1991	54.0	33.0	16.7	-25.7	26.5
1992	-40.7	-5.9	-14.4	-20.2	-22.4
1993	-2.0	-12.6	30.5	-2.8	-0.4
1994	-4.3	0.3	-23.3	-2.3	-7.1
1995	-25.7	-5.3	-10.4	1.0	-11.8
1996	2.9	12.4	8.0	26.5	10.8
1997	10.6	8.4	7.8	15.8	9.8
1998	4.2	20.6	22.3	19.1	16.8
1999 1/	0.9	6.3	5.4	(NA)	(NA)

NA Not available.

1/ Individual income tax rates changed effective January 1, 1999.

Source: Hawaii State Department of Taxation.

**Table C-6. PAYMENT WITH RETURNS - INDIVIDUAL**

<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 Dollars					
1982	3,124	20,064	1,572	1,224	25,984
1983	4,293	19,810	2,317	2,493	28,914
1984	4,545	24,776	2,671	2,792	34,784
1985	4,804	30,817	3,397	1,791	40,810
1986	3,381	32,043	4,365	3,256	43,046
1987	5,798	40,987	5,304	4,677	56,766
1988	7,483	47,588	7,327	5,765	68,163
1989	6,877	59,173	7,112	7,410	80,572
1990	6,756	50,732	8,199	7,647	73,334
1991	5,705	66,503	9,113	7,424	88,744
1992	9,151	58,339	7,405	7,033	81,928
1993	7,809	52,486	8,956	6,861	76,112
1994	9,388	44,085	7,194	7,849	68,517
1995	9,613	35,705	6,645	7,610	59,573
1996	8,725	43,125	7,072	7,452	66,374
1997	8,594	47,163	7,039	10,585	73,381
1998	10,673	65,897	9,645	7,731	93,947
1999 1/	12,575	65,967	8,615	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	7.8	-25.4	-12.1	-17.1	-21.4
1983	37.4	-1.3	47.4	103.7	11.3
1984	5.8	25.1	15.2	12.0	20.3
1985	5.7	24.4	27.2	-35.9	17.3
1986	-29.6	4.0	28.5	81.8	5.5
1987	71.4	27.9	21.5	43.6	31.9
1988	29.1	16.1	38.1	23.3	20.1
1989	-8.1	24.3	-2.9	28.5	18.2
1990	-1.8	-14.3	15.3	3.2	-9.0
1991	-15.6	31.1	11.1	-2.9	21.0
1992	60.4	-12.3	-18.7	-5.3	-7.7
1993	-14.7	-10.0	20.9	-2.4	-7.1
1994	20.2	-16.0	-19.7	14.4	-10.0
1995	2.4	-19.0	-7.6	-3.0	-13.1
1996	-9.2	20.8	6.4	-2.1	11.4
1997	-1.5	9.4	-0.5	42.1	10.6
1998	24.2	39.7	37.0	-27.0	28.0
1999 1/	17.8	0.1	-10.7	(NA)	(NA)

NA Not available.

1/ Individual income tax rates changed effective January 1, 1999.

Source: Hawaii State Department of Taxation.

**Table C-7. WITHHOLDING TAX ON WAGES - INDIVIDUAL**

<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 Dollars					
1982	94,279	82,909	97,494	97,677	372,359
1983	103,313	97,717	105,636	96,360	403,025
1984	112,647	104,792	111,812	102,881	432,132
1985	114,606	111,848	118,662	113,646	458,763
1986	121,509	118,875	126,057	126,628	493,069
1987	134,033	133,524	135,160	140,521	543,239
1988	155,432	151,872	154,805	163,618	625,727
1989	180,767	174,513	174,237	187,230	716,747
1990	197,928	191,244	198,960	195,611	783,743
1991	227,136	205,838	221,287	215,702	869,962
1992	238,334	220,440	226,698	223,665	909,136
1993	255,001	230,927	233,087	230,764	949,779
1994	267,686	250,469	261,194	253,143	1,032,491
1995	277,740	254,134	266,301	253,661	1,051,836
1996	275,532	263,054	261,439	245,463	1,045,488
1997	260,823	244,151	247,865	253,505	1,006,343
1998	266,564	259,812	249,448	251,042	1,026,866
1999 1/	257,327	234,529	242,458	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	17.3	-5.5	6.7	12.6	7.6
1983	9.6	17.9	8.4	-1.3	8.2
1984	9.0	7.2	5.8	6.8	7.2
1985	1.7	6.7	6.1	10.5	6.2
1986	6.0	6.3	6.2	11.4	7.5
1987	10.3	12.3	7.2	11.0	10.2
1988	16.0	13.7	14.5	16.4	15.2
1989	16.3	14.9	12.6	14.4	14.5
1990	9.5	9.6	14.2	4.5	9.3
1991	14.8	7.6	11.2	10.3	11.0
1992	4.9	7.1	2.4	3.7	4.5
1993	7.0	4.8	2.8	3.2	4.5
1994	5.0	8.5	12.1	9.7	8.7
1995	3.8	1.5	2.0	0.2	1.9
1996	-0.8	3.5	-1.8	-3.2	-0.6
1997	-5.3	-7.2	-5.2	3.3	-3.7
1998	2.2	6.4	0.6	-1.0	2.0
1999 1/	-3.5	-9.7	-2.8	(NA)	(NA)

NA Not available.

1/ Individual income tax rates changed effective January 1, 1999.

Source: Hawaii State Department of Taxation.

**Table C-8. REFUNDS - INDIVIDUAL**

<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 Dollars					
1982	22,394	105,940	9,390	3,240	140,964
1983	23,912	80,171	8,405	3,092	115,580
1984	16,173	67,750	12,361	3,300	99,585
1985	23,898	66,411	7,630	4,045	101,983
1986	17,294	75,973	11,572	5,608	110,447
1987	29,669	67,208	12,692	5,253	114,821
1988	36,446	75,988	12,940	6,907	132,281
1989	37,421	83,099	26,911	10,025	157,456
1990	57,520	189,153	22,546	15,110	284,329
1991	64,072	158,990	26,586	23,534	273,182
1992	68,377	131,323	21,442	14,998	236,140
1993	77,680	131,627	19,994	11,879	241,180
1994	87,326	134,337	18,303	12,430	252,396
1995	97,385	192,412	24,001	15,352	329,150
1996	77,623	152,373	21,979	15,796	267,771
1997	81,384	147,168	18,050	14,370	260,971
1998	70,436	117,616	15,724	18,029	221,805
1999 1/	71,929	112,987	15,334	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	103.7	117.7	-3.1	53.3	97.3
1983	6.8	-24.3	-10.5	-4.6	-18.0
1984	-32.4	-15.5	47.1	6.7	-13.8
1985	47.8	-2.0	-38.3	22.6	2.4
1986	-27.6	14.4	51.7	38.6	8.3
1987	71.6	-11.5	9.7	-6.3	4.0
1988	22.8	13.1	2.0	31.5	15.2
1989	2.7	9.4	108.0	45.1	19.0
1990	53.7	127.6	-16.2	50.7	80.6
1991	11.4	-15.9	17.9	55.8	-3.9
1992	6.7	-17.4	-19.3	-36.3	-13.6
1993	13.6	0.2	-6.8	-20.8	2.1
1994	12.4	2.1	-8.5	4.6	4.6
1995	11.5	43.2	31.1	23.5	30.4
1996	-20.3	-20.8	-8.4	2.9	-18.6
1997	4.8	-3.4	-17.9	-9.0	-2.5
1998	-13.5	-20.1	-12.9	25.5	-15.0
1999 1/	-2.1	-3.9	-2.5	(NA)	(NA)

NA Not available.

1/ Individual income tax rates changed effective January 1, 1999.



**Table C-9. NET CORPORATE 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>
In Thousands of Dollars					
1982	10,512	15,604	7,294	1,373	34,784
1983	6,455	9,343	11,331	831	27,960
1984	9,588	14,681	10,437	4,975	39,681
1985	7,521	21,903	11,552	3,097	44,074
1986	7,783	17,157	14,902	6,376	46,217
1987	13,646	26,593	17,857	9,176	67,272
1988	18,135	20,850	16,226	7,883	63,094
1989	23,553	24,709	18,757	5,690	72,710
1990	22,507	27,904	29,076	6,783	86,269
1991	23,720	36,369	11,090	-611	70,568
1992	17,439	15,863	11,156	-1,722	42,737
1993	6,535	13,374	13,514	-11,184	22,239
1994	10,452	26,213	9,133	-11,571	34,228
1995	12,869	19,818	12,030	-7,380	37,336
1996	15,451	28,338	9,910	-2,456	51,243
1997	18,055	32,330	10,594	-5,386	55,594
1998	10,592	30,408	15,479	-6,368	50,112
1999	7,428	26,104	14,119	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	-39.4
1993	-62.5	-15.7	21.1	-549.9	-48.0
1994	59.9	96.0	-32.4	-3.5	53.9
1995	23.1	-24.4	31.7	36.2	9.1
1996	20.1	43.0	-17.6	66.7	37.2
1997	16.9	14.1	6.9	-119.3	8.5
1998	-41.3	-5.9	46.1	-18.3	-9.9
1999	-29.9	-14.2	-8.8	(NA)	(NA)

NA Not available.

Net Corporation Income tax includes declaration of estimated taxes plus payments with returns less refunds.

Source: Hawaii State Department of Taxation.

**Table C-10. DECLARATION OF ESTIMATED TAXES - CORPORATE**

<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 Dollars					
1982	10,316	13,980	7,696	3,914	35,906
1983	8,427	9,854	11,008	4,720	34,009
1984	10,363	14,272	10,343	5,435	40,414
1985	10,065	20,703	11,204	4,919	46,892
1986	6,899	16,141	13,783	8,228	45,051
1987	13,848	25,171	18,229	8,651	65,899
1988	18,559	21,577	17,944	8,733	66,813
1989	23,599	23,158	19,775	9,818	76,349
1990	24,238	29,810	29,837	15,853	99,738
1991	28,257	38,849	21,596	12,849	101,551
1992	23,809	20,506	17,337	12,358	74,012
1993	17,294	17,203	19,955	10,232	64,684
1994	18,048	29,934	19,092	10,075	77,149
1995	17,214	26,846	16,498	10,198	70,756
1996	22,423	30,651	15,409	12,077	80,559
1997	21,651	33,029	19,673	14,235	88,587
1998	15,930	33,419	19,273	13,035	81,657
1999	14,832	31,644	19,049	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-6.0	-23.6	-12.9	-10.0	-15.4
1983	-18.3	-29.5	43.0	20.6	-5.3
1984	23.0	44.8	-6.0	15.1	18.8
1985	-2.9	45.1	8.3	-9.5	16.0
1986	-31.5	-22.0	23.0	67.2	-3.9
1987	100.7	55.9	32.3	5.1	46.3
1988	34.0	-14.3	-1.6	0.9	1.4
1989	27.2	7.3	10.2	12.4	14.3
1990	2.7	28.7	50.9	61.5	30.6
1991	16.6	30.3	-27.6	-19.0	1.8
1992	-15.7	-47.2	-19.7	-3.8	-27.1
1993	-27.4	-16.1	15.1	-17.2	-12.6
1994	4.4	74.0	-4.3	-1.5	19.3
1995	-4.6	-10.3	-13.6	1.2	-8.3
1996	30.3	14.2	-6.6	18.4	13.9
1997	-3.4	7.8	27.7	17.9	10.0
1998	-26.4	1.2	-2.0	-8.4	-7.8
1999	-6.9	-5.3	-1.2	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Taxation.

**Table C-11. PAYMENT WITH RETURNS - CORPORATE**

<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 Dollars					
1982	1,014	2,317	403	-668	3,065
1983	-1,131	306	1,221	-2,651	-2,255
1984	-58	1,417	763	38	2,159
1985	-1,552	1,889	1,210	240	1,787
1986	1,082	2,239	2,346	1,742	7,410
1987	2,517	2,994	1,864	3,495	10,870
1988	1,784	3,152	2,733	3,284	10,953
1989	2,169	3,867	2,062	3,349	11,447
1990	3,062	2,398	3,374	4,221	13,055
1991	3,335	4,006	2,303	2,708	12,352
1992	6,467	2,741	1,555	2,847	13,609
1993	4,321	1,881	2,899	2,150	11,252
1994	3,009	1,471	3,087	2,255	9,821
1995	1,925	1,531	1,796	1,640	6,891
1996	1,999	2,586	1,782	3,917	10,283
1997	2,273	3,481	2,126	2,410	10,290
1998	2,043	1,200	1,358	3,055	7,656
1999	2,469	1,588	1,573	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	430.8	0.2	-74.8	-171.8	-39.1
1983	-211.5	-86.8	203.2	-296.6	-173.6
1984	94.9	362.5	-37.5	101.4	195.8
1985	-2590.3	33.4	58.7	528.2	-17.2
1986	169.7	18.5	93.8	627.0	314.6
1987	132.5	33.7	-20.5	100.6	46.7
1988	-29.1	5.3	46.6	-6.0	0.8
1989	21.6	22.7	-24.6	2.0	4.5
1990	41.2	-38.0	63.6	26.0	14.1
1991	8.9	67.0	-31.8	-35.8	-5.4
1992	93.9	-31.6	-32.5	5.1	10.2
1993	-33.2	-31.4	86.5	-24.5	-17.3
1994	-30.4	-21.8	6.5	4.9	-12.7
1995	-36.0	4.1	-41.8	-27.3	-29.8
1996	3.8	68.9	-0.8	138.8	49.2
1997	13.7	34.6	19.3	-38.5	0.1
1998	-10.1	-65.5	-36.1	26.8	-25.6
1999	20.8	32.4	15.8	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Taxation.

**Table C-12. REFUNDS - CORPORATE**

<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 Dollars					
1982	818	694	804	1,872	4,188
1983	842	817	898	1,239	3,795
1984	717	1,007	668	499	2,892
1985	992	689	862	2,061	4,605
1986	199	1,224	1,227	3,594	6,244
1987	2,719	1,572	2,236	2,970	9,497
1988	2,208	3,879	4,451	4,134	14,672
1989	2,215	2,315	3,080	7,476	15,086
1990	4,793	4,304	4,135	13,291	26,524
1991	7,873	6,486	12,808	16,167	43,334
1992	12,837	7,385	7,736	16,927	44,884
1993	15,081	5,710	9,340	23,566	53,697
1994	10,605	5,192	13,045	23,901	52,742
1995	6,270	8,559	6,264	19,219	40,311
1996	8,971	4,899	7,281	18,449	39,599
1997	5,868	4,180	11,205	22,030	43,283
1998	7,381	4,210	5,151	22,459	39,201
1999	2,469	7,128	6,503	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	27.2	-163.5	-10.1	-4.8	-7.3
1983	-2.9	-17.7	-11.6	33.8	9.4
1984	14.8	-23.3	25.5	59.7	23.8
1985	-38.3	31.6	-29.0	-313.2	-59.2
1986	80.0	-77.5	-42.3	-74.4	-35.6
1987	-1,269.8	-28.4	-82.3	17.4	-52.1
1988	18.8	-146.8	-99.1	-39.2	-54.5
1989	-0.3	40.3	30.8	-80.9	-2.8
1990	-116.4	-85.9	-34.3	-77.8	-75.8
1991	-64.2	-50.7	-209.7	-21.6	-63.4
1992	-63.1	-13.9	39.6	-4.7	-3.6
1993	-17.5	22.7	-20.7	-39.2	-19.6
1994	29.7	9.1	-39.7	-1.4	1.8
1995	40.9	-64.9	52.0	19.6	23.6
1996	-43.1	42.8	-16.2	4.0	1.8
1997	34.6	14.7	-53.9	-19.4	-9.3
1998	-25.8	-0.7	54.0	-1.9	9.4
1999	-33.8	69.3	26.2	(NA)	(NA)

NA Not available.

Source: Hawaii State Department of Taxation.

**Table C-13. TRANSIENT ACCOMMODATIONS 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 Thousands of Dollars					
1987 1/	7,216	16,294	16,164	13,554	53,228
1988	18,468	19,093	17,890	15,239	70,689
1989	20,823	22,022	18,438	19,712	80,995
1990	22,359	21,928	21,292	17,877	83,456
1991	20,926	19,127	20,019	17,859	77,931
1992	20,903	21,195	19,355	19,395	80,848
1993	20,893	20,665	17,156	16,692	75,406
1994 2/	22,909	19,765	22,254	21,570	86,497
1995	27,219	26,997	26,601	24,801	105,618
1996	34,193	30,146	32,397	27,246	123,983
1997	32,015	33,797	31,899	29,181	126,892
1998	34,047	31,949	31,231	28,655	125,882
1999 3/	37,219	39,428	40,767	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1988	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 2/	9.6	-4.4	29.7	29.2	14.7
1995	18.8	36.6	19.5	15.0	22.1
1996	25.6	11.7	21.8	9.9	17.4
1997	-6.4	12.1	-1.5	7.1	2.3
1998	6.3	-5.5	-2.1	-1.8	-0.8
1999 3/	9.3	23.4	30.5	(NA)	(NA)

NA Not available.

1/ Tax collection for this category began in 1987.

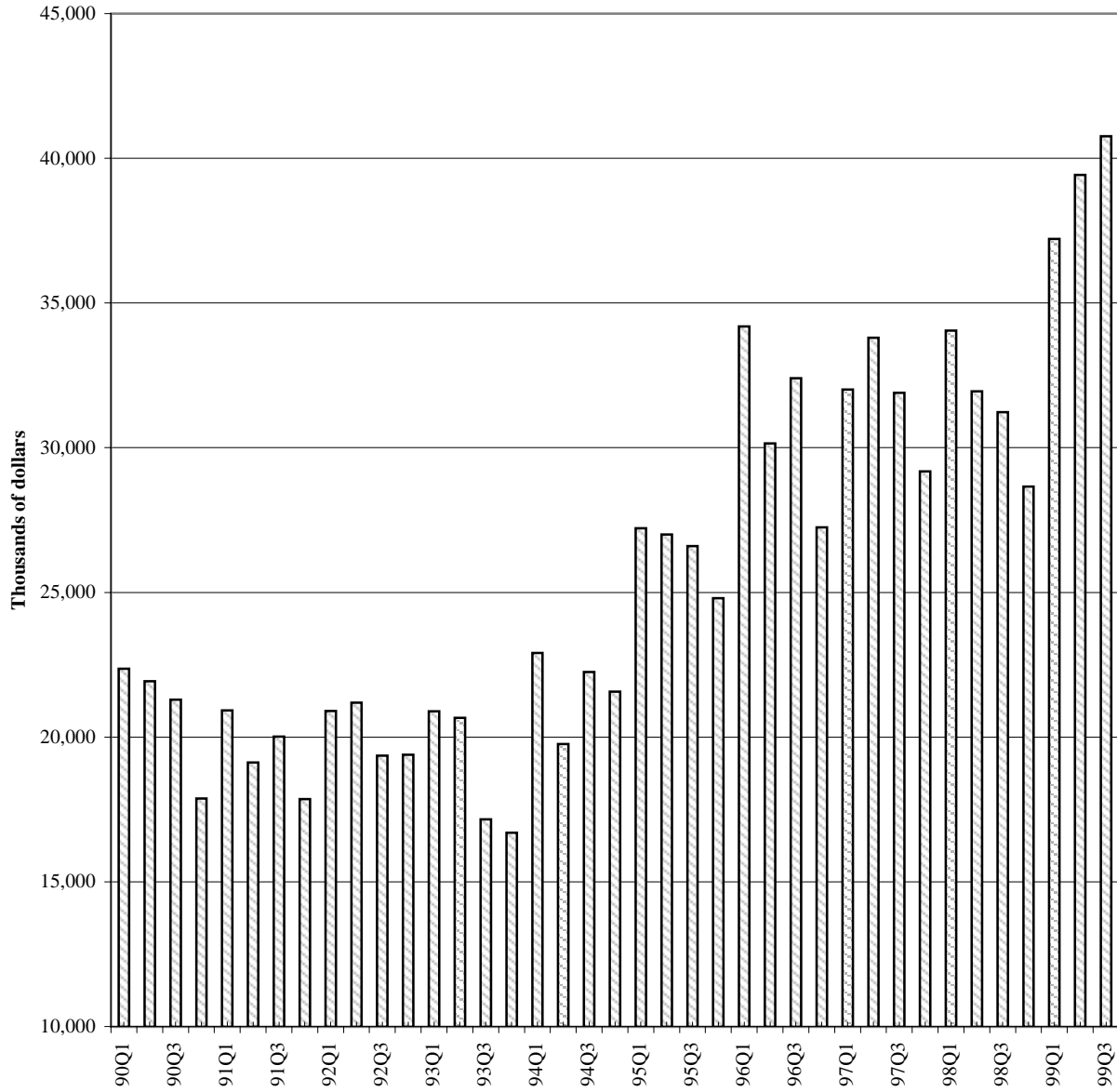
2/ Rate increased from 5% to 6% on July 1, 1994.

3/ Rate increased from 6% to 7.25% and extended to include time-share units on January 1, 1999.

Source: Hawaii State Department of Taxation.

**Figure 3. Transient Accommodations Tax Revenues**

[ Thousands of dollars ]



Source: Table C-13. Transient Accommodations Tax Revenues.

## D. TOURISM

Visitor industry measures pointed to continuing growth through the third quarter. Visitor arrivals, the visitor census, and lengths of stay all increased. As in the last two years, the strength has come from the westbound market.

The number of total visitor arrivals grew by 3.0 percent in the third quarter compared to the third quarter of 1998 (Table D-2). This growth virtually assures that 1999 will see growth in arrivals following the decline experienced last year.

Careful readers will note that these data refer to arrivals by "air only." The numbers exclude visitors who arrive by cruise ship. Cruise ship visitors still account for less than 1 percent of total arrivals, but this segment has grown rapidly. For example, for the year through October 1999, cruise ship arrivals were up 32.6 percent from the same period in 1998.

For visitors arriving by air, westbound traffic grew by 7.5 percent in the third quarter compared to the year-earlier quarter (Table D-3). This repeated the first quarter's growth rate, which was the highest since the fourth quarter of 1997.

The number of eastbound arrivals continued to fall in the third quarter but at a smaller pace. Eastbound arrivals fell by 4.1 percent, the lowest rate of decline (calculated quarterly on a year-over-year basis) since the fourth quarter of 1997.

The average daily visitor census jumped by 6.5 percent in the third quarter

(Table D-5). The average daily census is proportional to the number of visitor days, so the rates of change of these two measures are identical. The westbound census was up by 9.6 percent, the largest increase since the third quarter of 1989. Eastbound, the visitor census fell by 1.9 percent.

Average lengths of stay increased generally in the third quarter. Length of stay by all visitors rose from 8.15 days to 8.42 days over the period. Westbound, lengths of stay increased from 9.71 days to 9.90 days. Eastbound, lengths of stay grew from 5.69 days to 5.83 days. Overall, average length of stay among the third-quarters', was the highest since 1995.

Hotel occupancy rates also expanded sharply from 72.9 percent to 74.8 percent (Table D-7).

In spite of the general improvement in tourism demand, the number of hotel jobs fell slightly. Third quarter hotel jobs decreased by 0.9 percent from the third quarter of 1998 to the third quarter of 1999.

Effective January 1999, responsibility for the collection and distribution of visitor-related data passed from the Hawaii Visitors and Convention Bureau to the Research and Economic Analysis Division of DBEDT. This change was legislated in conjunction with the creation of the Hawaii Tourism Authority in 1998. Readers interested in monthly visitor reports may visit [www.state.hi.us/dbedt/monthly/index.html](http://www.state.hi.us/dbedt/monthly/index.html).

**Table D-1. VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS - BY AIR**

Year	Visitor Arrivals 1/			Average Daily Visitor Census		
	Total	Westbound	Eastbound	Total	Westbound	Eastbound
1985	4,884,110	3,708,610	1,175,500	116,700	103,820	12,880
1986	5,606,980	4,256,390	1,350,590	132,910	118,110	14,800
1987	5,799,830	4,204,010	1,595,820	134,270	116,780	17,490
1988	6,142,420	4,264,730	1,877,690	141,410	115,760	25,650
1989	6,641,820	4,705,320	1,936,500	169,670	135,480	34,190
1990	6,971,180	4,719,730	2,251,450	162,070	125,590	36,480
1991	6,873,890	4,584,460	2,289,430	157,590	121,330	36,260
1992	6,513,880	3,980,120	2,533,760	153,390	113,860	39,530
1993	6,124,230	3,764,520	2,359,710	148,750	108,090	40,660
1994	6,430,300	3,997,820	2,432,480	159,200	115,220	43,980
1995	6,629,180	3,933,110	2,696,070	159,060	113,040	46,020
1996	6,829,800	4,004,450	2,825,350	161,610	114,440	47,170
1997 2/	6,876,140	4,077,950	2,798,190	158,120	114,960	43,160
1998 2/	6,738,220	4,245,270	2,492,950	159,840	119,680	40,160
1997 2/ 1 Qtr.	1,729,650	1,038,290	691,360	176,650	129,270	47,380
2 Qtr.	1,649,090	995,630	653,460	151,800	110,610	41,180
3 Qtr.	1,827,010	1,044,620	782,390	155,310	108,710	46,590
4 Qtr.	1,670,390	999,410	670,980	149,090	111,540	37,550
1998 2/ 1 Qtr.	1,698,510	1,053,620	644,890	179,090	133,380	45,710
2 Qtr.	1,651,720	1,063,990	587,730	146,450	111,480	34,960
3 Qtr.	1,765,640	1,077,970	687,670	156,360	113,810	42,550
4 Qtr.	1,622,360	1,049,700	572,660	157,760	120,280	37,480
1999 1 Qtr.	1,718,210	1,132,340	585,870	174,570	136,080	38,480
2 Qtr.	1,649,830	1,096,630	553,200	150,820	117,270	33,550
3 Qtr.	1,818,480	1,159,140	659,340	166,470	124,700	41,760
Percentage Change from the Same Period in Previous Year						
1985	0.6	-0.3	3.6	-1.7	-2.3	3.9
1986	14.8	14.8	14.9	13.9	13.8	14.9
1987	3.4	-1.2	18.2	1.0	-1.1	18.2
1988	5.9	1.4	17.7	5.3	-0.9	46.7
1989	8.1	10.3	3.1	20.0	17.0	33.3
1990	5.0	0.3	16.3	-4.5	-7.3	6.7
1991	-1.4	-2.9	1.7	-2.8	-3.4	-0.6
1992	-5.2	-13.2	10.7	-2.7	-6.2	9.0
1993	-6.0	-5.4	-6.9	-3.0	-5.1	2.9
1994	5.0	6.2	3.1	7.0	6.6	8.2
1995	3.1	-1.6	10.8	-0.1	-1.9	4.6
1996	3.0	1.8	4.8	1.6	1.2	2.5
1997 2/	0.7	1.8	-1.0	-2.2	0.5	-8.5
1998 2/	-2.0	4.1	-10.9	1.0	4.1	-7.0
1997 2/ 1 Qtr.	-0.5	-1.1	0.5	0.8	1.3	-0.7
2 Qtr.	-1.3	-1.5	-1.0	-2.1	0.9	-9.4
3 Qtr.	0.7	2.2	-1.1	-2.7	-1.2	-6.0
4 Qtr.	3.9	8.5	-2.3	-4.8	0.8	-18.2
1998 2/ 1 Qtr.	-1.8	1.5	-6.7	1.4	3.2	-3.5
2 Qtr.	0.2	6.9	-10.1	-3.5	0.8	-15.1
3 Qtr.	-3.4	3.2	-12.1	0.7	4.7	-8.7
4 Qtr.	-2.9	5.0	-14.7	5.8	7.8	-0.2
1999 1 Qtr.	1.2	7.5	-9.2	-2.5	2.0	-15.8
2 Qtr.	-0.1	3.1	-5.9	3.0	5.2	-4.0
3 Qtr.	3.0	7.5	-4.1	6.5	9.6	-1.9

1/ Staying overnight or longer.

2/ HVCB revised data in June 1999.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.



**Table D-2. TOTAL VISITOR ARRIVALS - BY AIR**

<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 1/					
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	1,609.4	1,593.0	1,788.4	1,638.5	6,629.2
1996	1,737.7	1,670.4	1,813.7	1,608.1	6,829.8
1997 2/	1,729.7	1,649.1	1,827.0	1,670.4	6,876.1
1998 2/	1,698.5	1,651.7	1,765.6	1,622.4	6,738.2
1999	1,718.2	1,649.8	1,818.5	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	-0.4	4.3	5.6	2.8	3.1
1996	8.0	4.9	1.4	-1.9	3.0
1997 2/	-0.5	-1.3	0.7	3.9	0.7
1998 2/	-1.8	0.2	-3.4	-2.9	-2.0
1999	1.2	-0.1	3.0	(NA)	(NA)

NA Not available.

1/ Staying overnight or longer.

2/ Hawaii Visitors & Convention Bureau revised data in June 1999.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.

**Table D-3. WESTBOUND VISITOR ARRIVALS - BY AIR**

<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 1/					
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	1,050.1	1,010.6	1,022.4	921.3	4,004.5
1997 2/	1,038.3	995.6	1,044.6	999.4	4,078.0
1998 2/	1,053.6	1,064.0	1,078.0	1,049.7	4,245.3
1999	1,132.3	1,096.6	1,159.1	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	3.9	4.0	3.8	-4.6	1.8
1997 2/	-1.1	-1.5	2.2	8.5	1.8
1998 2/	1.5	6.9	3.2	5.0	4.1
1999	7.5	3.1	7.5	(NA)	(NA)

NA Not available.

1/ Staying overnight or longer.

2/ Hawaii Visitors & Convention Bureau revised data in June 1999.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.

**Table D-4. EASTBOUND VISITOR ARRIVALS - BY AIR**

<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 1/					
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	598.7	621.6	803.4	672.4	2,696.1
1996	687.6	659.8	791.2	686.7	2,825.4
1997 2/	691.4	653.5	782.4	671.0	2,798.2
1998 2/	644.9	587.7	687.7	572.7	2,493.0
1999	585.9	553.2	659.3	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	0.4	13.3	17.6	11.2	10.8
1996	14.9	6.1	-1.5	2.1	4.8
1997 2/	0.5	-1.0	-1.1	-2.3	-6.9
1998 2/	-6.7	-10.1	-12.1	-14.7	-5.2
1999	-9.2	-5.9	-4.1	(NA)	(NA)

NA Not available.

1/ Staying overnight or longer.

2/ Hawaii Visitors & Convention Bureau revised data in June 1999.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.

**Table D-5. AVERAGE DAILY VISITOR CENSUS - BY AIR**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Average Daily Visitors</b>					
1990	168,280	155,200	170,490	154,380	162,070
1991	150,390	161,280	171,730	146,820	157,590
1992	160,980	145,990	155,240	151,330	153,390
1993	157,530	137,540	152,000	148,030	148,750
1994	174,480	143,350	157,660	161,510	159,200
1995	167,420	149,000	163,040	156,830	159,060
1996	175,280	155,100	159,670	156,550	161,610
1997	176,650	151,800	155,310	149,090	158,120
1998	179,090	146,450	156,360	157,760	159,840
1999	174,570	150,820	166,470	(NA)	(NA)
<b>Average Daily Westbound Visitors</b>					
1990	132,820	122,270	127,940	119,450	125,590
1991	119,630	127,230	127,630	110,860	121,330
1992	123,320	108,340	110,110	113,710	113,860
1993	119,850	101,690	103,380	107,620	108,090
1994	127,440	106,130	109,910	117,580	115,220
1995	124,260	106,270	107,960	113,820	113,040
1996	127,590	109,640	110,080	110,660	114,440
1997	129,270	110,610	108,710	111,540	114,960
1998	133,380	111,480	113,810	120,280	119,680
1999	136,080	117,270	124,700	(NA)	(NA)
<b>Average Daily Eastbound Visitors</b>					
1990	35,460	32,930	42,550	34,930	36,480
1991	30,760	34,060	44,100	35,960	36,260
1992	37,660	37,660	45,130	37,620	39,530
1993	37,680	35,850	48,620	40,410	40,660
1994	47,030	37,220	47,750	43,940	43,980
1995	43,160	42,730	55,080	43,010	46,020
1996	47,690	45,460	49,590	45,890	47,170
1997	47,380	41,180	46,590	37,550	43,160
1998	45,710	34,960	42,550	37,480	40,160
1999	38,480	33,550	41,760	(NA)	(NA)

NA Not available.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.

**Table D-5. AVERAGE DAILY VISITOR CENSUS - BY AIR - Con.**

[percentage change from the same period in previous year]

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Average Daily Visitors</b>					
1991	-10.6	3.9	0.7	-4.9	-2.8
1992	7.0	-9.5	-9.6	3.1	-2.7
1993	-2.1	-5.8	-2.1	-2.2	-3.0
1994	10.8	4.2	3.7	9.1	7.0
1995	-4.0	3.9	3.4	-2.9	-0.1
1996	4.7	4.1	-2.1	-0.2	1.6
1997	0.8	-2.1	-2.7	-4.8	-2.2
1998	1.4	-3.5	0.7	5.8	1.1
1999	-2.5	3.0	6.5	(NA)	(NA)
<b>Average Daily Westbound Visitors</b>					
1991	-9.9	4.1	-0.2	-7.2	-3.4
1992	3.1	-14.8	-13.7	2.6	-6.2
1993	-2.8	-6.1	-6.1	-5.4	-5.1
1994	6.3	4.4	6.3	9.3	6.6
1995	-2.5	0.1	-1.8	-3.2	-1.9
1996	2.7	3.2	2.0	-2.8	1.2
1997	1.3	0.9	-1.2	0.8	0.5
1998	3.2	0.8	4.7	7.8	4.1
1999	2.0	5.2	9.6	(NA)	(NA)
<b>Average Daily Eastbound Visitors</b>					
1991	-13.3	3.4	3.6	2.9	-0.6
1992	22.4	10.6	2.3	4.6	9.0
1993	0.1	-4.8	7.7	7.4	2.9
1994	24.8	3.8	-1.8	8.7	8.2
1995	-8.2	14.8	15.4	-2.1	4.6
1996	10.5	6.4	-10.0	6.7	2.5
1997	-0.7	-9.4	-6.0	-18.2	-8.5
1998	-3.5	-15.1	-8.7	-0.2	-7.0
1999	-15.8	-4.0	-1.9	(NA)	(NA)

NA Not available.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.

**Table D-6. AVERAGE LENGTH OF STAY IN HAWAII - BY AIR**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Days - All Visitors					
1990	8.83	8.19	8.34	8.60	8.49
1991	8.97	8.50	8.07	8.05	8.37
1992	9.03	8.31	8.38	8.76	8.62
1993	9.09	8.48	8.80	9.08	8.87
1994	9.72	8.54	8.57	9.32	9.04
1995	9.36	8.51	8.39	8.81	8.76
1996	9.18	8.45	8.10	8.96	8.66
1997	9.19	8.38	7.82	8.21	8.39
1998	9.49	8.07	8.15	8.95	8.66
1999	9.14	8.32	8.42	(NA)	(NA)
Number of Days - Westbound Visitors					
1990	10.14	9.36	9.45	9.94	9.71
1991	10.09	9.85	9.36	9.38	9.66
1992	11.27	10.10	10.08	10.43	10.47
1993	11.01	10.01	10.15	10.73	10.48
1994	11.25	9.86	10.01	10.93	10.52
1995	11.07	9.96	10.08	10.84	10.49
1996	11.06	9.87	9.91	11.05	10.46
1997	11.20	10.11	9.57	10.27	10.29
1998	11.39	9.53	9.71	10.54	10.29
1999	10.82	9.73	9.90	(NA)	(NA)
Number of Days - Eastbound Visitors					
1990	5.96	5.60	6.17	5.88	5.91
1991	6.26	5.62	5.77	5.59	5.78
1992	5.47	5.51	5.94	5.90	5.71
1993	5.85	5.91	6.86	6.45	6.29
1994	7.10	6.17	6.43	6.69	6.60
1995	6.49	6.26	6.31	5.89	6.23
1996	6.31	6.27	5.77	6.15	6.11
1997	6.17	5.74	5.48	5.15	5.63
1998	6.38	5.41	5.69	6.02	5.88
1999	5.91	5.52	5.83	(NA)	(NA)

NA Not available.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.

**Table D-6. AVERAGE LENGTH OF STAY IN HAWAII - BY AIR - Con.**

[percentage change from the same period in previous year]

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Number of Days - All Visitors</b>					
1991	1.5	3.8	-3.3	-6.4	-1.4
1992	0.7	-2.2	3.9	8.8	3.0
1993	0.7	2.0	5.0	3.7	2.9
1994	6.9	0.7	-2.6	2.6	1.9
1995	-3.7	-0.3	-2.1	-5.5	-3.1
1996	-2.0	-0.7	-3.4	1.7	-1.1
1997	0.1	-0.9	-3.4	-8.3	-3.1
1998	3.2	-3.7	4.2	9.0	3.2
1999	-3.6	3.1	3.4	(NA)	(NA)
<b>Number of Days - Westbound Visitors</b>					
1991	-0.4	5.3	-1.0	-5.6	-0.5
1992	11.7	2.5	7.8	11.1	8.4
1993	-2.3	-0.9	0.6	2.9	0.1
1994	2.2	-1.4	-1.3	1.9	0.4
1995	-1.7	0.9	0.7	-0.8	-0.3
1996	-0.1	-0.8	-1.8	1.9	-0.3
1997	1.3	2.4	-3.3	-7.1	-1.6
1998	1.7	-5.7	1.4	2.7	0.0
1999	-5.1	2.1	1.9	(NA)	(NA)
<b>Number of Days - Eastbound Visitors</b>					
1991	4.9	0.3	-6.5	-5.0	-2.3
1992	-12.5	-1.9	3.0	5.5	-1.2
1993	6.9	7.2	15.5	9.4	10.1
1994	21.4	4.4	-6.3	3.7	4.9
1995	-8.6	1.3	-2.0	-12.0	-5.6
1996	-2.7	0.2	-8.6	4.5	-1.9
1997	-2.3	-8.5	-5.0	-16.3	-7.9
1998	3.4	-5.6	3.9	17.0	4.4
1999	-7.3	1.9	2.4	(NA)	(NA)

NA Not available.

Source: Hawaii Visitors & Convention Bureau, and Hawaii State Department of Business, Economic Development & Tourism.

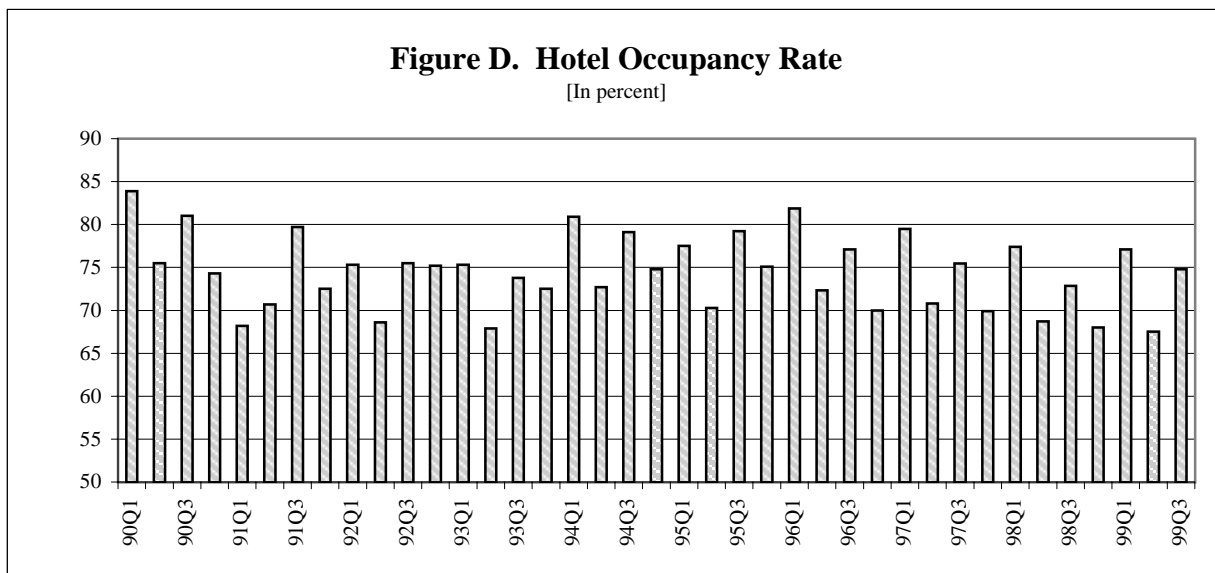
**Table D-7. HOTEL OCCUPANCY RATE**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual
In Percent					
1982	79.0	65.9	70.9	66.7	70.4
1983	75.2	68.1	71.7	66.5	69.7
1984	84.0	75.6	74.6	75.1	76.0
1985	88.1	69.1	75.0	72.5	76.1
1986	87.0	78.8	79.9	76.8	81.7
1987	88.0	77.1	82.1	77.8	81.1
1988	81.7	75.1	81.3	75.1	78.5
1989	85.9	73.9	81.0	75.7	79.0
1990	83.9	75.5	81.0	74.3	78.8
1991	68.2	70.7	79.7	72.5	72.4
1992	75.3	68.6	75.5	75.2	72.7
1993	75.3	67.9	73.8	72.5	72.0
1994	80.9	72.7	79.1	74.8	76.5
1995	77.5	70.3	79.2	75.1	75.8
1996	81.9	72.3	77.1	70.0	75.2
1997	79.5	70.8	75.5	69.9	73.9
1998	77.4	68.7	72.9	68.0	71.8
1999	77.1	67.5	74.8	(NA)	(NA)

NA Not available.

Quarterly averages are computed by Hawaii State Department of Business, Economic Development & Tourism from PKF-Hawaii monthly averages through January 1995 and PricewaterhouseCoopers monthly averages from February 1995.

Sources: Hawaii State Department of Business, Economic Development & Tourism, PKF-Hawaii and Smith Travel Research, PricewaterhouseCoopers LLP.





## E. CONSTRUCTION

The relatively rapid increase in planned construction activity in the last two quarters, as measured by the value of building permits, cooled somewhat in the third quarter. On the other hand, both the average sales price and the number of transactions on existing homes continued to rise.

The contracting general excise tax base, a measure of recently completed construction, fell by 4.5 percent in the third quarter compared to the third quarter of 1998 (Table E-1). This followed an increase of 4.3 percent in the second quarter. For the year through September, the contracting tax base fell 1.3 percent from the same period in 1998.

On the other hand, the value of private building permits, a measure of future construction, grew by 6.1 percent from the third quarter of 1998 through the third quarter of 1999. While reasonably strong, this rate of growth was significantly lower than the near-30 percent growth in permit values recorded in the first half. The slowdown in permit values came primarily from a 15.6 percent decline in the additions and alterations component. Residential and commercial & industrial permit values rose more sharply (22.3 percent and 16.0 percent, respectively).

The pace of the *number* of units authorized also cooled in the third quarter. The number of single family units grew by 3.7 percent from the same period last year (Table E-2), and the number of multi-family units grew by 67.7 percent (Table E-3). Both rates of growth were lower than those achieved in the second quarter.

By county, most of the reduction in growth was due to a decline in permit values of 15.5 percent in Honolulu City & County

(Table E-6). Maui County permit values expanded by 15.9 percent—off the very rapid pace of the first half of the year. Yet permit values in Hawaii County (+24.7 percent, new and renovated housing) and in Kauai County (+119.0 percent, primarily housing and vacation renovations in Kapaa) grew faster than during the first half of the year.

The pace of permit value growth this year has not translated into significantly higher costs as yet. The Honolulu Construction Cost Index for single family homes rose fell by 0.3 percent in the third quarter (Table E-4). The cost index for high-rise buildings grew 2.1 percent (Table E-5).

The market for existing homes also appears to be heating up. The number of single family resales grew by 15.4 percent in the third quarter of 1999 compared to the year-earlier quarter (Table E-9). Transactions for condominiums expanded by 20.0 percent over the period (Table E-10). Both measures have been growing at double-digit annual rates since the third quarter of 1997.

Average sales prices on existing homes have only begun to rise, however. The average sales price for a single family home grew by 25.6 percent in the third quarter to \$329,301 (Table E-7). The average condominium price grew by 6.4 percent over the same period to \$175,613 (Table E-8).

From the public sector, State capital improvement project expenditures grew by a slight 1.0 percent in the third quarter, following a large decline in the second quarter (Table E-11). Most of the third quarter growth came from revenue bond financing for Honolulu airport modifications, and harbor and highway work on Maui.

**Table E-1. ESTIMATED VALUE OF COMPLETED CONSTRUCTION,  
NEW PRIVATE BUILDING AUTHORIZATIONS, AND  
GOVERNMENT CONTRACTS AWARDED**

Year	Contracting tax base 1/	Private Building Authorization			Government Contracts Awarded	
		Total Private Authorizations	Residential	Commercial & Industrial 2/		Additions & Alterations
In Millions of Dollars						
1982	1,294.9	683.1	299.2	242.9	141.1	391.6
1983	1,353.4	685.2	296.2	203.2	185.9	275.0
1984	1,242.9	581.5	327.7	104.0	149.9	388.7
1985	1,367.7	888.9	500.1	208.8	180.1	248.9
1986	1,808.0	1,025.2	455.5	267.4	302.3	422.7
1987	2,003.1	1,161.9	507.0	344.4	310.5	370.9
1988	2,487.6	1,546.5	689.2	541.2	316.1	665.0
1989	3,112.8	1,882.4	910.7	561.8	409.9	725.2
1990	4,003.7	2,101.8	952.3	698.0	451.5	825.5
1991	4,334.1	2,151.8	1,192.0	556.2	403.7	729.4
1992	4,012.7	1,751.9	811.1	532.3	408.5	1,159.1
1993	3,803.6	1,505.4	742.1	308.0	455.3	651.8
1994	3,322.3	1,612.9	849.3	370.3	393.4	693.0
1995	3,133.5	1,531.3	745.5	368.3	417.5	490.2
1996	3,285.1	1,117.8	487.0	252.8	378.0	885.5
1997	2,944.4	1,179.2	542.5	264.5	372.2	615.6
1998	3/ 3,016.0	1,054.3	485.5	205.6	363.2	685.5
1997 1 Qtr.	685.9	258.9	88.4	72.8	97.8	181.8
2 Qtr.	777.1	425.6	220.8	93.6	111.9	121.6
3 Qtr.	734.1	266.0	132.8	46.8	86.3	200.9
4 Qtr.	747.3	228.7	100.5	51.3	76.2	111.3
1998 1 Qtr.	3/ 757.1	260.4	118.2	50.3	91.9	155.3
2 Qtr.	3/ 706.3	246.7	121.3	48.5	76.9	127.5
3 Qtr.	3/ 793.6	296.0	123.5	55.1	117.3	218.7
4 Qtr.	3/ 759.0	251.3	122.6	51.7	77.0	183.5
1999 1 Qtr.	4/ 732.1	342.9	141.6	125.0	76.3	177.3
2 Qtr.	4/ 737.0	314.3	153.4	72.4	88.5	104.6
3 Qtr.	4/ 758.1	314.1	151.1	63.9	99.0	147.1

First Hawaiian Bank has discontinued compiling Government Contracts Awarded. Hawaii State Department of Business, Economic Development & Tourism has compiled preliminary estimates beginning with the fourth quarter 1997 based on data in *Building Industry*.

1/ Formerly, this category was "Value of Construction Completed", subject to revision by Hawaii State Department of Taxation.

2/ Includes hotels.

3/ 1998 Contracting tax base was revised upward by Hawaii State Department of Taxation in June 1999 to reflect distribution of formerly unallocated general excise tax revenue.

4/ Subject to revision by Hawaii State Department of Taxation.

Source: Hawaii State Department of Taxation; F. W. Dodge; county building departments; First Hawaiian Bank; *Building Industry* (various issues) and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

**Table E-1. ESTIMATED VALUE OF COMPLETED CONSTRUCTION,  
NEW PRIVATE BUILDING AUTHORIZATIONS, AND  
GOVERNMENT CONTRACTS AWARDED - Con.**

Year	Contracting tax base 1/	Private Building Authorization				Government Contracts Awarded
		Total Private Authorizations	Residential	Commercial & Industrial 2/	Additions & Alterations	
Percentage Change from the Same Period in Previous Year						
1982	-19.8	-14.8	-24.9	0.9	-13.4	-8.8
1983	4.5	0.3	-1.0	-16.3	31.8	-29.8
1984	-8.2	-15.1	10.6	-48.8	-19.4	41.3
1985	10.0	52.9	52.6	100.8	20.1	-36.0
1986	32.2	15.3	-8.9	28.1	67.9	69.8
1987	10.8	13.3	11.3	28.8	2.7	-12.3
1988	24.2	33.1	35.9	57.1	1.8	79.3
1989	25.1	21.7	32.1	3.8	29.7	9.1
1990	28.6	11.7	4.6	24.2	10.1	13.8
1991	8.3	2.4	25.2	-20.3	-10.6	-11.6
1992	-7.4	-18.6	-32.0	-4.3	1.2	58.9
1993	-5.2	-14.1	-8.5	-42.1	11.5	-43.8
1994	-12.7	7.1	14.4	20.2	-13.6	6.3
1995	-5.7	-5.1	-12.2	-0.5	6.1	-29.3
1996	4.8	-27.0	-34.7	-31.4	-9.5	80.6
1997	-10.4	5.4	11.4	4.4	-1.5	-30.5
1998	3/ 2.4	-10.5	-10.5	-22.1	-2.4	11.4
1997 1 Qtr.	-16.8	-7.7	-25.3	-7.2	16.8	-43.1
2 Qtr.	-4.6	58.7	122.5	49.8	5.0	55.9
3 Qtr.	-12.5	-24.5	-25.3	-27.7	-21.4	-37.9
4 Qtr.	-7.5	5.8	10.1	8.7	-5.8	-32.3
1998 1 Qtr.	3/ 10.4	0.6	33.7	-30.9	-6.0	-14.6
2 Qtr.	3/ -9.1	-42.0	-45.1	-48.2	-30.8	4.8
3 Qtr.	3/ 8.1	11.3	-7.0	17.7	35.9	8.9
4 Qtr.	3/ 1.6	10.2	22.1	0.7	1.0	64.9
1999 1 Qtr.	4/ -3.3	31.7	19.8	148.5	-17.0	14.1
2 Qtr.	4/ 4.3	27.4	26.5	49.2	15.1	-18.0
3 Qtr.	4/ -4.5	6.1	22.3	16.0	-15.6	-32.8

First Hawaiian Bank has discontinued compiling Government Contracts Awarded. Hawaii State Department of Business, Economic Development & Tourism has compiled preliminary estimates beginning with the fourth quarter 1997 based on data in *Building Industry*.

1/ Formerly, this category was "Value of Construction Completed", subject to revision by Hawaii State Department of Taxation.

2/ Includes hotels.

3/ 1998 Contracting tax base was revised upward by Hawaii State Department of Taxation in June 1999 to reflect distribution of formerly unallocated general excise tax revenue.

4/ Subject to revision by Hawaii State Department of Taxation.

Source: Hawaii State Department of Taxation; F. W. Dodge; county building departments; First Hawaiian Bank; *Building Industry* (various issues) and tabulations by Hawaii State Department of Business, Economic Development & Tourism.

**Table E-2. 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>
Number of Units					
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	796	1,236	1,644	1,269	4,945
1986	925	1,227	1,309	1,195	4,656
1987	1,523	1,639	1,429	1,475	6,066
1988	1,323	1,767	2,096	1,114	6,300
1989	1,474	1,620	1,993	1,777	6,864
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	4,579
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	756	630	880	540	2,806
1997	533	757	784	628	2,702
1998	679	742	748	785	2,954
1999	716	858	776	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	-5.0	-44.6	-25.4	-30.6	-27.9
1997	-29.5	20.2	-10.9	16.3	-3.7
1998	27.4	-2.0	-4.6	25.0	9.3
1999	5.5	15.6	3.7	(NA)	(NA)

NA Not available.

Source: F. W. Dodge and county building departments.

**Table E-3. 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>
Number of Units					
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	345	312	2,504
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	108	469	312	1,109
1997	97	655	152	204	1,108
1998	129	46	155	72	402
1999	103	173	260	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1982	-57.8	-90.3	347.7	1,889.5	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	1,786.9	110.3	157.5	-37.0	145.2
1986	8.3	-57.0	47.5	35.9	-1.0
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	-62.8	-46.3	62.5	-58.1
1997	-55.9	506.5	-67.6	-34.6	-0.1
1998	33.0	-93.0	2.0	-64.7	-63.7
1999	-20.2	276.1	67.7	(NA)	(NA)

NA Not available.

Source: F. W. Dodge and county building departments.

**Table E-4. HONOLULU CONSTRUCTION COST INDEX:  
SINGLE FAMILY RESIDENCE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Index Numbers January 1992 = 100					
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	111.5
1994	118.4	124.3	121.6	120.5	121.2
1995	117.6	117.8	118.3	119.3	118.2
1996	120.7	122.5	129.3	129.6	125.5
1997	128.1	129.2	130.2	129.7	129.3
1998	129.3	129.2	129.1	129.0	129.0
1999	129.7	131.0	128.7	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	8.6
1994	9.4	8.2	8.4	9.0	8.7
1995	-0.7	-5.2	-2.7	-1.0	-2.4
1996	2.7	4.0	9.3	8.7	6.1
1997	6.1	5.4	0.7	0.1	3.0
1998	0.9	0.0	-0.8	-0.5	-0.2
1999	0.3	1.4	-0.3	(NA)	(NA)

NA Not available.

First Hawaiian Bank has discontinued the update of this index. The Hawaii State Department of Business, Economic Development & Tourism has compiled preliminary estimates beginning with the 1997 fourth quarter and is reviewing the index with the expectation of continuing it.

Source: First Hawaiian Bank and Hawaii State Department of Business, Economic Development & Tourism

**Table E-5. HONOLULU CONSTRUCTION COST INDEX:  
HIGH-RISE BUILDING**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Index Numbers January 1992 = 100					
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	113.5	114.2	115.3	114.1
1996	115.8	116.0	117.4	118.3	116.9
1997	118.3	119.8	119.8	119.3	119.3
1998	119.3	119.3	119.4	119.4	119.4
1999	120.0	121.2	121.9	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
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	4.2	1.8	3.9
1996	2.0	2.1	2.7	2.6	2.4
1997	2.1	3.3	2.1	0.8	2.1
1998	0.9	-0.4	-0.3	0.1	0.1
1999	0.6	1.6	2.1	(NA)	(NA)

NA Not available.

First Hawaiian Bank has discontinued the update of this index. The Hawaii State Department of Business, Economic Development & Tourism has compiled preliminary estimates beginning with the 1997 fourth quarter and is reviewing the index with the expectation of continuing it.

Source: First Hawaiian Bank and Hawaii State Department of Business, Economic Development & Tourism.

**Table E-6. ESTIMATED VALUE OF PRIVATE BUILDING  
CONSTRUCTION AUTHORIZATIONS, BY COUNTY**

<i>Year</i>	<i>State</i>	<i>City &amp; County of Honolulu</i>	<i>Hawaii County</i>	<i>Kauai County</i>	<i>Maui County</i>
In Thousands of Dollars					
1982	683,124	473,009	75,175	44,237	90,703
1983	685,205	366,828	86,653	140,456	91,269
1984	581,497	378,299	90,349	53,010	59,839
1985 1/	888,935	525,322	121,442	63,627	178,543
1986 1/	1,023,476	545,558	231,499	92,498	153,920
1987	1,161,897	749,472	145,157	103,481	163,786
1988	1,546,474	743,056	181,228	213,678	408,508
1989 1/	1,882,397	1,048,284	338,060	178,689	317,364
1990	2,101,767	998,921	429,964	238,968	433,916
1991	2,151,849	1,462,676	369,454	118,547	201,174
1992	1,751,871	1,060,700	379,158	111,098	200,916
1993 1/	1,496,486	959,041	248,236	86,032	203,177
1994	1,612,899	1,073,264	181,059	164,681	193,894
1995 1/	1,531,317	980,703	267,108	78,918	204,588
1996	1,117,760	698,697	171,017	101,981	146,065
1997 1/	1,179,182	772,825	155,776	97,808	152,773
1998	1,054,281	624,227	178,220	88,196	163,640
1997 1 Qtr.	258,945	161,998	46,425	18,804	31,718
2 Qtr.	425,581	304,938	37,857	39,815	42,972
3 Qtr.	265,963	172,276	35,952	17,637	40,098
1/ 4 Qtr.	228,693	133,613	35,543	21,552	37,985
1998 1 Qtr.	260,420	162,674	52,080	19,545	26,121
2 Qtr.	246,651	137,077	46,215	21,988	41,371
3 Qtr.	295,956	176,140	40,589	22,169	57,058
4 Qtr.	251,256	148,336	39,335	24,494	39,091
1999 1 Qtr.	342,875	209,028	50,412	37,397	46,038
2 Qtr.	314,335	166,196	50,185	28,112	69,842
3 Qtr.	314,044	148,771	50,609	48,550	66,114

1/ Revised.

Source: F. W. Dodge and county building departments.



**Table E-6. ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION AUTHORIZATIONS, BY COUNTY - Con.**

<i>Year</i>	<i>State</i>	<i>City &amp; County of Honolulu</i>	<i>Hawaii County</i>	<i>Kauai County</i>	<i>Maui County</i>
Percentage Change From The Same Period in Previous Year					
1982	-14.8	4.2	-44.9	-34.6	-36.9
1983	0.3	-22.4	15.3	217.5	0.6
1984	-15.1	3.1	4.3	-62.3	-34.4
1985 1/	52.9	38.9	34.4	20.0	198.4
1986 1/	15.1	3.9	90.6	45.4	-13.8
1987	13.5	37.4	-37.3	11.9	6.4
1988	33.1	-0.9	24.8	106.5	149.4
1989 1/	21.7	41.1	86.5	-16.4	-22.3
1990	11.7	-4.7	27.2	33.7	36.7
1991	2.4	46.4	-14.1	-50.4	-53.6
1992	-18.6	-27.5	2.6	-6.3	-0.1
1993 1/	-14.6	-9.6	-34.5	-22.6	1.1
1994	7.8	11.9	-27.1	91.4	-4.6
1995 1/	-5.1	-8.6	47.5	-52.1	5.5
1996	-27.0	-28.8	-36.0	29.2	-28.6
1997 1/	5.5	10.6	-8.9	-4.1	4.6
1998	-10.6	-19.2	14.4	-9.8	7.1
1997 1 Qtr.	-7.7	-16.1	70.2	-19.9	-13.6
2 Qtr.	58.7	108.6	-42.6	69.5	31.9
3 Qtr.	-24.5	-24.6	-1.2	-55.3	-16.2
1/ 4 Qtr.	5.8	2.1	-14.1	38.8	31.1
1998 1 Qtr.	0.6	0.4	12.2	3.9	-17.6
2 Qtr.	-42.0	-55.0	22.1	-44.8	-3.7
3 Qtr.	11.3	2.2	12.9	25.7	42.3
4 Qtr.	9.9	11.0	10.7	13.7	2.9
1999 1 Qtr.	31.7	28.5	-3.2	91.3	76.2
2 Qtr.	27.4	21.2	8.6	27.9	68.8
3 Qtr.	6.1	-15.5	24.7	119.0	15.9

1/ Revised.

Source: F. W. Dodge and county building departments.

**Table E-7. SINGLE FAMILY SALES AND RESALES: AVERAGE VALUE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Average Sale Price (Dollars)</b>					
1985	164,363	167,519	171,087	176,585	170,724
1986	170,380	179,941	187,834	195,276	185,894
1987	213,128	240,012	258,864	241,167	240,747
1988	303,360	250,925	252,556	275,424	268,854
1989	316,541	331,480	327,780	396,408	344,236
1990	408,517	387,139	408,712	377,595	396,178
1991	371,777	390,291	356,025	338,163	363,685
1992	331,991	334,759	340,132	356,734	340,739
1993	341,237	386,831	354,247	388,215	369,870
1994	359,086	361,415	345,762	358,048	356,028
1995	338,425	357,712	344,011	349,946	347,912
1996	334,057	349,373	344,396	344,597	343,634
1997	323,341	307,723	333,821	320,886	321,746
1998	325,269	339,121	262,214	339,987	316,275
1999	321,606	339,049	329,301	(NA)	(NA)
<b>Percentage Change from the Same Period in Previous Year</b>					
1986	3.7	7.4	9.8	10.6	8.9
1987	25.1	33.4	37.8	23.5	29.5
1988	42.3	4.5	-2.4	14.2	11.7
1989	4.3	32.1	29.8	43.9	28.0
1990	29.1	16.8	24.7	-4.7	15.1
1991	-9.0	0.8	-12.9	-10.4	-8.2
1992	-10.7	-14.2	-4.5	5.5	-6.3
1993	2.8	15.6	4.1	8.8	8.5
1994	5.2	-6.6	-2.4	-7.8	-3.7
1995	-5.8	-1.0	-0.5	-2.3	-2.3
1996	-1.3	-2.3	0.1	-1.5	-1.2
1997	-3.2	-11.9	-3.1	-6.9	-6.4
1998	0.6	10.2	-21.5	6.0	-1.7
1999	-1.1	0.0	25.6	(NA)	(NA)

This series consists of sales of new homes and resales that are entered in the Multiple Listing Service.

NA Not available

Quarterly data are computed by the Hawaii State Department of Business, Economic Development & Tourism from Prudential-Locations Research Department monthly data.

Source: Prudential-Locations Research Department.

**Table E-8. CONDOMINIUM SALES AND RESALES: AVERAGE VALUE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Average Sale Price (Dollars)</b>					
1985	105,081	99,302	102,973	101,032	101,741
1986	110,412	106,906	114,870	114,327	112,275
1987	122,143	130,903	127,341	140,264	130,950
1988	149,992	144,367	140,322	138,803	143,091
1989	160,839	169,081	170,413	190,049	173,059
1990	202,684	229,597	227,485	237,218	222,943
1991	206,626	198,732	200,654	213,474	203,694
1992	215,321	214,717	216,976	203,826	212,951
1993	216,765	212,963	209,638	205,262	210,732
1994	212,137	215,536	205,975	211,909	211,596
1995	217,371	208,071	210,425	198,183	208,441
1996	215,204	199,720	192,585	201,364	201,778
1997	204,790	189,527	177,287	170,449	184,416
1998	191,790	197,395	165,100	168,741	179,613
1999	181,923	184,377	175,613	(NA)	(NA)
<b>Percentage Change from the Same Period in Previous Year</b>					
1986	5.1	7.7	11.6	13.2	10.4
1987	10.6	22.4	10.9	22.7	16.6
1988	22.8	10.3	10.2	-1.0	9.3
1989	7.2	17.1	21.4	36.9	20.9
1990	26.0	35.8	33.5	24.8	28.8
1991	1.9	-13.4	-11.8	-10.0	-8.6
1992	4.2	8.0	8.1	-4.5	4.5
1993	0.7	-0.8	-3.4	0.7	-1.0
1994	-2.1	1.2	-1.7	3.2	0.4
1995	2.5	-3.5	2.2	-6.5	-1.5
1996	-1.0	-4.0	-8.5	1.6	-3.2
1997	-4.8	-5.1	-7.9	-15.4	-8.6
1998	-6.3	4.2	-6.9	-1.0	-2.6
1999	-5.1	-6.6	6.4	(NA)	(NA)

This series consists of sales of new condominiums and townhomes and resales that are entered in the Multiple Listing Service. It does not include apartments.

NA Not available

Quarterly data are computed by the Hawaii State Department of Business, Economic Development & Tourism from Prudential-Locations Research Department monthly data.

Source: Prudential-Locations Research Department.

**Table E-9. SINGLE FAMILY SALES AND RESALES: UNITS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Units Sold					
1985	496	766	941	899	3,102
1986	704	711	1,128	1,382	3,925
1987	840	1,225	1,303	1,171	4,539
1988	986	1,172	1,244	1,106	4,508
1989	1,019	1,271	1,304	1,263	4,857
1990	1,209	1,345	1,154	927	4,635
1991	594	967	1,134	856	3,551
1992	753	1,024	906	829	3,512
1993	664	947	902	929	3,442
1994	825	993	932	839	3,589
1995	603	746	836	821	3,006
1996	677	876	888	808	3,249
1997	684	952	1,089	1,034	3,759
1998	904	1,206	1,232	1,304	4,646
1999	1,130	1,543	1,422	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1986	41.9	-7.2	19.9	53.7	26.5
1987	19.3	72.3	15.5	-15.3	15.6
1988	17.4	-4.3	-4.5	-5.6	-0.7
1989	3.3	8.4	4.8	14.2	7.7
1990	18.6	5.8	-11.5	-26.6	-4.6
1991	-50.9	-28.1	-1.7	-7.7	-23.4
1992	26.8	5.9	-20.1	-3.2	-1.1
1993	-11.8	-7.5	-0.4	12.1	-2.0
1994	24.2	4.9	3.3	-9.7	4.3
1995	-26.9	-24.9	-10.3	-2.1	-16.2
1996	12.3	17.4	6.2	-1.6	8.1
1997	1.0	8.7	22.6	28.0	15.7
1998	32.2	26.7	13.1	26.1	23.6
1999	25.0	27.9	15.4	(NA)	(NA)

This series consists of sales of new homes and resales that are entered in the Multiple Listing Service.

NA Not available

Quarterly data are computed by the Hawaii State Department of Business, Economic Development & Tourism from Prudential-Locations Research Department monthly data.

Source: Prudential-Locations Research Department.

**Table E-10. CONDOMINIUM SALES AND REALES: UNITS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Units Sold					
1985	630	1,090	1,029	1,004	3,753
1986	909	1,006	1,349	1,752	5,016
1987	1,182	1,865	1,961	1,887	6,895
1988	1,740	2,199	2,205	2,032	8,176
1989	1,825	2,265	2,170	2,181	8,441
1990	2,250	2,503	1,944	1,408	8,105
1991	789	1,813	1,443	1,132	5,177
1992	903	1,170	1,183	983	4,239
1993	542	1,141	1,098	1,154	3,935
1994	988	1,298	1,055	904	4,245
1995	746	874	802	773	3,195
1996	674	946	738	768	3,126
1997	769	898	896	993	3,556
1998	913	1,120	1,240	1,199	4,472
1999	1,071	1,530	1,488	(NA)	(NA)
Percentage Change from the Same Period in Previous Year					
1986	44.3	-7.7	31.1	74.5	33.7
1987	30.0	85.4	45.4	7.7	37.5
1988	47.2	17.9	12.4	7.7	18.6
1989	4.9	3.0	-1.6	7.3	3.2
1990	23.3	10.5	-10.4	-35.4	-4.0
1991	-64.9	-27.6	-25.8	-19.6	-36.1
1992	14.4	-35.5	-18.0	-13.2	-18.1
1993	-40.0	-2.5	-7.2	17.4	-7.2
1994	82.3	13.8	-3.9	-21.7	7.9
1995	-24.5	-32.7	-24.0	-14.5	-24.7
1996	-9.7	8.2	-8.0	-0.6	-2.2
1997	14.1	-5.1	21.4	29.3	13.8
1998	18.7	24.7	38.4	20.7	25.8
1999	17.3	36.6	20.0	(NA)	(NA)

This series consists of sales of new condominiums and townhomes and resales that are entered in the Multiple Listing Service. It does not include apartments.

NA Not available

Quarterly data are computed by the Hawaii State Department of Business, Economic Development & Tourism from Prudential-Locations Research Department monthly data.

Source: Prudential-Locations Research Department.

**Table E-11. STATE GOVERNMENT CAPITAL IMPROVEMENT PROJECT EXPENDITURES**

<i>Year</i>	<i>Total Expenditures</i>	<i>General Obligation Bond 1/</i>	<i>Revenue Bond 2/</i>	<i>General Fund (Cash)</i>	<i>Special Fund</i>	<i>Federal Funds 3/</i>
In Thousands of Dollars						
1990	995,163	248,379	368,502	133,529	79,998	164,755
1991	1,027,189	210,022	326,414	121,108	164,915	204,730
1992	1,323,450	331,720	512,432	138,867	124,605	215,826
1993	1,188,315	472,515	225,431	89,917	147,351	253,101
1994	1,214,487	492,048	327,980	56,662	135,440	202,357
1995	822,327	342,423	77,560	19,672	169,901	212,772
1996	720,580	286,472	66,625	6,719	165,426	195,338
1997	898,496	345,440	220,496	3,181	163,130	166,249
1998	818,181	329,218	199,294	1,963	192,397	95,309
1997 1 Qtr.	212,152	115,239	14,839	1,006	35,590	45,477
2 Qtr.	274,738	161,702	19,047	939	40,334	52,717
3 Qtr.	125,971	34,096	9,137	648	49,823	32,267
4 Qtr.	285,636	34,404	177,473	588	37,383	35,788
1998 1 Qtr.	125,076	38,848	8,770	670	47,507	29,281
2 Qtr.	457,268	198,419	181,727	684	49,729	26,709
3 Qtr.	135,702	58,909	2,600	252	54,338	19,602
4 Qtr.	100,135	33,042	6,196	357	40,823	19,716
1999 1 Qtr.	136,750	50,300	8,484	54	52,085	25,827
2 Qtr.	236,936	148,156	11,656	87	53,288	23,750
3 Qtr.	137,107	52,297	8,849	50	56,424	19,488
Percent change from corresponding period in previous year						
1990	(NA)	17.9	190.0	(NA)	(NA)	(NA)
1991	3.2	-15.4	-11.4	-9.3	106.1	24.3
1992	28.8	57.9	57.0	14.7	-24.4	5.4
1993	-10.2	42.4	-56.0	-35.2	18.3	17.3
1994	2.2	4.1	45.5	-37.0	-8.1	-20.0
1995	-32.3	-30.4	-76.4	-65.3	25.4	5.1
1996	-12.4	-16.3	-14.1	-65.8	-2.6	-8.2
1997	24.7	20.6	231.0	-52.7	-1.4	-14.9
1998	-8.9	-4.7	-9.6	-38.3	17.9	-42.7
1997 1 Qtr.	54.0	199.2	-46.0	-36.8	17.2	14.3
2 Qtr.	11.8	20.9	14.6	-62.1	-0.9	0.7
3 Qtr.	-28.5	-37.6	-10.1	-66.1	-9.4	-40.8
4 Qtr.	77.6	-42.3	1,338.4	-19.7	-5.1	-26.5
1998 1 Qtr.	-41.0	-66.3	-40.9	-33.4	33.5	-35.6
2 Qtr.	66.4	22.7	854.1	-27.2	23.3	-49.3
3 Qtr.	7.7	72.8	-71.5	-61.2	9.1	-39.2
4 Qtr.	-64.9	-4.0	-96.5	-39.2	9.2	-44.9
1999 1 Qtr.	9.3	29.5	-3.3	-91.9	9.6	-11.8
2 Qtr.	-48.2	-25.3	-93.6	-87.3	7.2	-11.1
3 Qtr.	1.0	-11.2	240.3	-80.2	3.8	-0.6

This table is not directly comparable to Contracts Awarded data in Table E-1.

1/ Consists of general obligation bonds and reimbursable general obligation bonds.

2/ Consists of revenue bonds and special purpose revenue bonds.

3/ Includes special federal aid: interstate, primary, secondary; and federal funds.

Source: Hawaii State Department of Accounting and General Services, Report 300s.

## F. OTHER INDICATORS

The March 1999 issue of the *Quarterly Statistical and Economic Report* inaugurated this section. Over time, the Research and Economic Analysis Division tracks new indicators of the economy. In order to assure a place for indicators that do not easily fit within the existing categories, this "Other Indicators" section was established. At this time the section includes information on bankruptcy filings in Hawaii. More tables will be added as time and resources permit.

Bankruptcy filings fell by 12.4 percent in the third quarter (Table F-1). This was the second quarter of overall decline in filings, suggesting that bankruptcy filings have now peaked.

All of the third quarter decline came from the 16.4 percent drop in Chapter 7 filings. Chapter 7 involves the liquidation of certain assets and allows the debtor to make a "fresh start." Chapter 7 filings also fell by 1.0 percent in the second quarter relative to the year-earlier period.

Chapter 13 filings, which involve working out a repayment plan with creditors, rose by 33.6 percent in the third quarter. The

number of Chapter 13 filings is far smaller than the number of Chapter 7 filings.

Chapter 11 filings rose by 50 percent from 4 filings in the third quarter of 1998 to 6 filings in the third quarter of 1999. Chapter 11 is similar to Chapter 13 but covers repayment plans for corporations. There is also a Chapter 12 filing for family farms, but this is rarely used in Hawaii.

Bankruptcy filings have grown at double-digit rates in Hawaii since at least 1995. The pace of growth slowed to less than 10 percent in the first quarter, and it is encouraging that bankruptcies have now declined for two quarters.

A similar pattern has occurred at the national level. Despite the fact that the Mainland economy has grown strongly over the last few years, Mainland bankruptcy filings were soaring until recently. It was only in the first quarter of 1999 that Mainland filings began to decline. In the third quarter, Mainland filings fell 10.4 percent from the year-earlier quarter. Readers may find national bankruptcy data for the third quarter of 1999 at the following web site: [http://www.uscourts.gov/Press\\_Releases/fy99bk.pdf](http://www.uscourts.gov/Press_Releases/fy99bk.pdf).

**Table F-1. BANKRUPTCY FILINGS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Chapter 7</b>					
1994	336	357	373	362	1,428
1995	414	454	440	534	1,842
1996	530	678	734	829	2,771
1997	863	996	1,004	1,087	3,950
1998	1,122	1,343	1,408	1,393	5,266
1999	1,277	1,329	1,177	(NA)	(NA)
<b>Chapter 11</b>					
1994	12	19	9	18	58
1995	6	10	10	10	36
1996	12	18	14	8	52
1997	16	11	15	8	50
1998	7	8	4	8	27
1999	8	9	6	(NA)	(NA)
<b>Chapter 13</b>					
1994	24	23	31	21	99
1995	33	25	39	44	141
1996	51	63	62	84	260
1997	110	108	105	129	452
1998	141	133	116	128	518
1999	109	99	155	(NA)	(NA)
<b>Total (Chapters 7, 11, 12, 13)</b>					
1994	373	400	413	401	1,587
1995	453	489	492	588	2,022
1996	593	759	810	921	3,083
1997	989	1,115	1,124	1,224	4,452
1998	1,271	1,485	1,528	1,529	5,813
1999	1,396	1,437	1,338	(NA)	(NA)

NA Not available.

Quarterly data are computed by the Hawaii State Department of Business, Economic Development & Tourism from U.S. Bankruptcy Court for the District of Hawaii monthly data.

Source: U.S. Bankruptcy Court for the District of Hawaii.



**Table F-1. BANKRUPTCY FILINGS - Con.**

[Percentage Change from the Same Period in Previous Year]

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Chapter 7</b>					
1995	23.2	27.2	18.0	47.5	29.2
1996	28.0	49.3	66.8	55.2	50.4
1997	62.8	46.9	36.8	31.4	42.6
1998	30.0	34.8	40.2	28.2	33.3
1999	13.8	-1.0	-16.4	(NA)	(NA)
<b>Chapter 11</b>					
1995	-50.0	-47.4	11.1	-44.4	-37.9
1996	100.0	80.0	40.0	-20.0	44.4
1997	33.3	-38.9	7.1	0.0	-3.8
1998	-56.3	-27.3	-73.3	0.0	-46.0
1999	14.3	12.5	50.0	(NA)	(NA)
<b>Chapter 13</b>					
1995	37.5	8.7	25.8	109.5	42.4
1996	54.5	152.0	59.0	90.9	84.4
1997	115.7	71.4	69.4	53.6	73.8
1998	28.2	23.2	10.5	-0.8	14.6
1999	-22.7	-25.6	33.6	(NA)	(NA)
<b>Total (Chapters 7, 11, 12, 13)</b>					
1995	21.5	22.3	19.1	46.6	27.4
1996	30.9	55.2	64.6	56.6	52.5
1997	66.8	46.9	38.8	33.1	44.5
1998	28.5	33.2	35.9	24.9	30.6
1999	9.8	-3.2	-12.4	(NA)	(NA)

NA Not available.

Source: U.S. Bankruptcy Court for the District of Hawaii.

### III. TERMS AND DEFINITIONS

**Agriculture Wage and Salary Jobs** – Full- and part-time jobs for which payment was made by the employer in the survey week containing the 12th of the month. Includes farm jobs and machinery operators. Closely related management and services jobs are included for sugar and pineapple but are excluded for other types of agriculture.

**Average Daily Visitor Census- By Air** – Average number of visitors present daily in the state. Figures are computed monthly by the Research & Economic Analysis Division, DBEDT based on arrival and departure dates from ground and in-flight questionnaires.

**Average Length of Stay- By Air** – Number of days visitors are in the State including the day of arrival and of departure.

#### **Bankruptcy Filings –**

**Chapter 7** – Is available to both individuals and business debtors. Its purpose is to achieve a fair distribution to creditors of whatever non-exempt property the debtor has and to give the individual debtor a fresh start through the discharge in bankruptcy.

**Chapter 11** – Is available for both consumer and business debtors. Its purpose is to rehabilitate a business as a going concern or reorganize an individual's finances through a court-approved reorganization plan.

**Chapter 12** – Is designed to give special debt relief to a family farmer with regular income from farming.

**Chapter 13** – Is available for an individual with regular income whose debts do not exceed specific amounts, typically used to budget some of the debtor's future earnings under a plan through which creditors are paid in whole or in part.

**Additional information** may be found at the American Bankruptcy Institute "Bankruptcy Chapters" website <http://www.abiworld.org/media/chapters.html>

**Civilian Employment** – 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** – Total of employed and unemployed persons, excluding those in the armed forces and 16 years of age or under. U.S. Census Bureau does surveys for the U.S. Bureau of Labor Statistics.

**Civilian Unemployment** – Persons 16 years of age or older who (1) did not work at all during the survey week but were actively seeking work and were available for work; or (2) 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.

**Consumer Price Index: Honolulu or U.S.** – Measure of the average change in prices over time for a fixed market basket of goods and services. It is compiled by the U.S. Bureau of Labor Statistics. The index measures changes from a reference date, i.e., 1982-84, which is designated as 100.0. For example, a Honolulu CPI-U (where U refers to All Urban Consumers), All Items, of 171.5 as the annual average for 1998 indicates the average prices of that group's basket was 71.5 percent higher than the weighted average of those same goods and services in 1982-84. Data are published monthly for the U.S. and semi-annually for Honolulu. As of January 1998, BLS changed the reference basket based on 1982-84 consumer expenditures to a 1993-95 basket, but the base remains 1982-84 = 100.0. The BLS Internet site has more information about the CPI at <http://stats.bls.gov/cpihome.htm>.

**Condominium Sales and Resales:** Consists of sales of new condominium and townhomes and resales that are entered in the Multiple Listing Service. It does not include apartments.

**Contract Construction Jobs** – 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 Tax Base** – 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. Attributed to any business engaging in the practice of architecture, engineering, land surveying, landscape architecture, and the practice of pest control or fumigation.

**Dividends, Interest, and Rent** – Personal income received by individuals and on behalf of individuals by quasi-individuals, including non-profit institutions and

private trust funds administered by fiduciaries. Dividends are payments in cash or other assets by corporations in the U.S. or abroad to Hawaii residents. Interest consists of monetary interest, on private and government accounts and bonds, and imputed interest, on pensions and insurance as earned rather than as received. Rent is monetary income as received on real property, royalties, and imputed as value of owner-occupied nonfarm dwellings.

**Earnings** – Is a subtotal of personal income components: wages and salaries, other labor income, and proprietors' income. It is often used in regional analysis as a proxy for the income generated from participation in current production.

**Eastbound Visitors- By Air** – Visitors who stayed in Hawaii for at least one night but less than one year with flights from Asia, Australia, and the Pacific.

**Federal Government Jobs** – Includes those in the civilian agencies, i.e. Department of Defense, Agriculture, United States Postal Service and the various armed services exchange systems.

**General Excise (Gross Income) Tax** – Tax charged to businesses on gross sales or gross income. The tax rate is 0.5 percent 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 4.0 percent, except insurance commissions to general agents, subagents and solicitors, who are taxed at 0.15 percent.

**General Excise and Use Tax Base** – The value of all goods and services sold, including the value of tangible personal property imported into Hawaii for own use or consumption.. One of the most comprehensive measures of business activity in the state.

**General Fund Tax Revenues** – Receipts of the general excise and use tax, and net individual and corporate income taxes. 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, airport or capital improvement fund.

**Honolulu Construction Cost Indexes: High-Rise or Single Family** – As compiled by First Hawaiian Bank. These indexes measure changes in contractors' costs for building materials and labor.

**Hotel Jobs** – Jobs in hotels, rooming houses, camps, and other lodging places.

**Hotel Occupancy Rate** – The percentage of occupied rooms in a hotel. 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.

**Initial Agent Claims** – Notices of unemployment filed against another state by its workers who have moved to Hawaii.

**Initial Liable Claims** – Notices of unemployment filed against Hawaii by Hawaii workers who have moved to another state.

**Local Government Jobs** – Includes those in the county governments.

**Manufacturing Jobs** – Jobs in manufacturing industries, or those activities by any person or establishment that buys materials, performs work on such materials, and changes such materials into a finished or semi-finished product. 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 such as textiles, apparel, printing, publishing, food processing, and durable goods

**Net Earnings** – BEA Personal Income component Earnings less Personal Contributions for Social Insurance. It can be used as a proxy for income before taxes.

**Net Individual or Corporation Income Tax Revenue** – For individuals, it is calculated as declaration of estimated taxes plus payments with returns plus withholding tax on wages less refunds. Net corporate income tax revenue is calculated as declarations of estimated taxes plus payments with returns less refunds.

**Non-Agriculture Wage and Salary Jobs** – 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. Includes all full- and part-time non-agricultural workers, permanent and temporary workers, and workers on paid sick leave and paid vacation.

**Other Goods and Services** – Honolulu Consumer Price Index component detail. Prior to the CPI 1998 Revision, it measured the change in average prices of tobacco products, personal care goods and services, and personal and educational expenditures. Beginning with January 1998 data, this category includes tobacco, personal care, and miscellaneous goods and services. Other components, for example, school-books and tuition, moved to the new “Education and Communication” and recreational reading to “Recreation”. BLS’ *Monthly Labor Review* (December 1996), and BLS’ Internet site have more information about the CPI at <http://stats.bls.gov/cpihome.htm>.

**Other Labor Income** – Personal income component that consists of employers’ contributions to privately-administered benefit plans, fees paid to corporate directors, and miscellaneous fees.

**Personal Contributions for Social Insurance** – Personal income earned, if not immediately received, by employees and self-employed who participate in various government programs such as social security, Medicare, retirement, and veterans life insurance programs. Contributions are excluded from Personal Income but are included when received as “Transfer Payments”.

**Personal Income** – Income received by or on behalf of residents from all sources—participation in production, from government and business transfer payments and from government interest (treated like a transfer payment by the Bureau of Economic Analysis). The major component is wages and salaries.

**Proprietors’ Income** – Earnings of unincorporated businesses, (proprietorships, partnerships, and producers’ cooperatives), from their current business operations. It includes both farm and non-farm businesses, but excludes capital gains and losses.

**Retail Trade Jobs** – Jobs in those establishments that are engaged in sales of tangible personal property to the customer for use or consumption and not for resale.

**Services Jobs** – Jobs in those activities that are 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.

**Single Family Sales and Resales:** Consists of sales of new homes and resales that are entered in the Multiple Listing Service.

**State Government Jobs – Education** includes all employees under the Department of Education (DOE) and the University of Hawaii System. This includes public library personnel, substitute teachers who received pay during the pay period including the 12th of the month, and support personnel such as cafeteria workers, classroom cleaners, and school security attendants. Also included are part-time employees in special programs such as the A+ After School Program.

**State Government Jobs – Non-Education** - Includes all other executive branch departments (i.e. Agriculture, Transportation, etc.), the legislative and judicial branches, and the Research Corporation of the University of Hawaii (RCUH).

**Total Visitor Arrivals- By Air** – All persons who stayed in Hawaii for a period between one night and one year. Includes westbound arrivals (traveling from North America) and eastbound arrivals (from Asia, Australia, and Oceania).

**Transfer Payments** – As a component of Personal Income, these are payments for which no current services are performed. They are payments by government and business to individual or nonprofit institutions serving individuals. Examples are social security and government employees’ retirement.

**Transient Accommodations Tax** – Tax levied on resort time-share vacation units and the furnishing of a room, apartment, suite which is customarily occupied by a person or group for fewer than 180 consecutive days by a hotel, apartment, motel, or cooperative apartment, rooming house, or other place in which lodgings are generally furnished to transients. The tax is now imposed at the rate of 7.25 percent.

**Unallocated General Excise & Use Tax Revenues** – General excise and use tax revenues that could not be allocated to specific activities of the general excise & use tax. It also includes collections from penalty and interest, assessments and corrections, delinquent collections, refunds, protested payments, settlements, etc.

**Unemployment Rate** – Ratio of unemployed persons to the civilian labor force expressed as a percentage.

**Use Tax** – 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: 0.5 percent, if for resale at retail; 4.0 percent, if for use or consumption.

**Wages and Salaries**– The major component of Personal Income includes monetary and in-kind compensation for employment services rendered. Examples are commissions, tips, and meals furnished employees.

**Westbound Visitors- By Air** – Visitors who stayed in Hawaii for a period between one night and one year, who traveled from North America (Mainland U.S. and Canada).

**Wholesale Trade Jobs** – Jobs in those establishments whose sales of tangible personal property is to licensed persons for resale or incorporation into a product or project, and sales to certain leasing companies.