

# QUARTERLY STATISTICAL & ECONOMIC REPORT



**June 1997**



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

The department is headed by director, Dr. Seiji F. Naya. This report was prepared under the direction of the division administrator, Dr. Pearl Imada Iboshi. Dr. Tu Duc Pham, econometric research branch chief, was in charge of the project.

Technical notes and source descriptions have been kept to a minimum. However, the staff of the Research and Economic Analysis Division would be happy to respond to any inquiries of a technical nature that readers may have (586-2466). The information contained in this report reflects data received by the Research Division on or before March 1997.

This report has been catalogued as follows:

Hawaii. Dept. of Business, Economic Development and Tourism. Research and Economic Analysis Division.

Quarterly statistical and economic report-State of Hawaii. Honolulu: 1975-

Quarterly.

1. Hawaii-Statistics.

HA4007.H359

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## GROSS STATE PRODUCT, 1985-1996

DBEDT recently completed its preliminary estimates of Gross State Product (GSP) for Hawaii. As a special feature of this issue of the *Quarterly Statistical and Economic Report*, we present these estimates in the accompanying table along with this brief discussion.

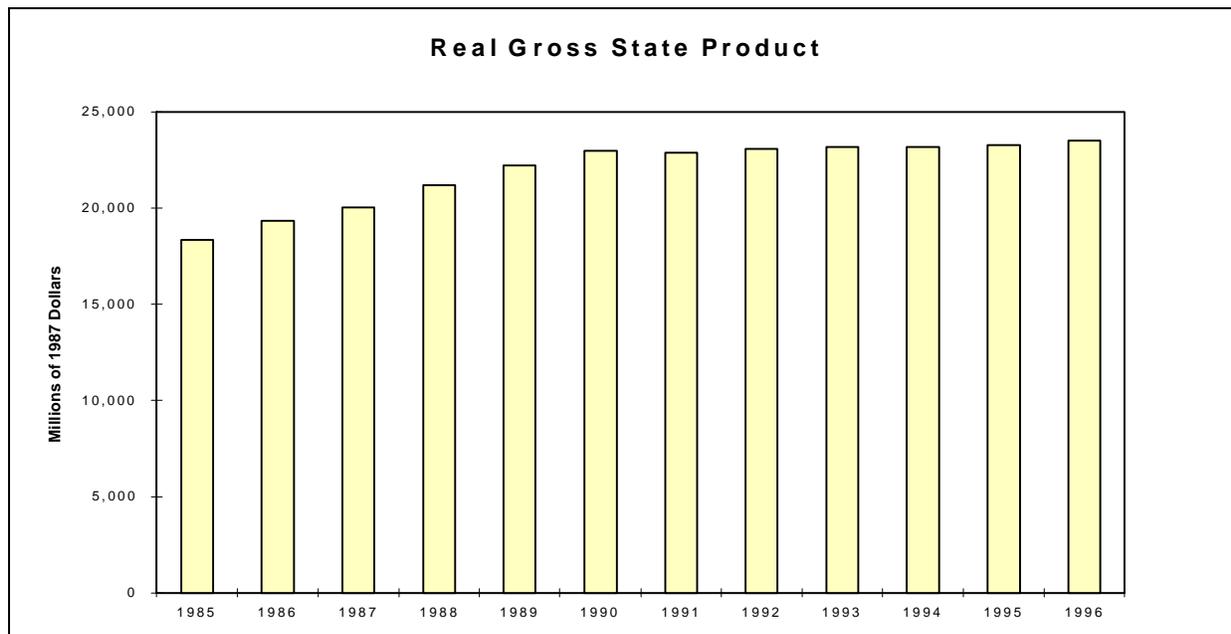
The estimates indicate that GSP totaled \$33.5 billion in 1996, a 2.4 percent increase over 1995. Because the implicit price deflator (a measure of inflation) rose at a 1.5 percent rate, inflation-adjusted GSP grew at 0.9 percent in 1996 over 1995.

As the data in the table on the next two pages show, the annual growth in constant dollar or "real" GSP has been below one percent since 1991. By contrast, real GSP grew an average of 4.6 percent per year during the exceptional boom years between 1985 and 1990. Still, the 1996 performance

of real GSP was the strongest since 1992 and continues the slow recovery of the state's economy that has been in progress over the last three years. Growth in real GSP in 1997 is expected to continue this upward trend with about a 1.3 percent increase.

On a per capita basis, 1996 GSP grew 0.5 percent, the first positive increase since 1990. However, this still leaves per capita GSP 3.8 percent below its 1990 level as measured in constant dollars.

The table also shows estimates for the expenditure components of GSP. The data reveal that the driving forces for growth in the economy during 1996 included modest increases in personal consumption expenditures, visitor expenditures and government purchases. Investment spending (mainly construction) and merchandise exports were down slightly for the year.



**Expenditures on Gross State Product, 1985-1996**  
(m illions of current dollars)

C lassification	1985	1986	1987	1988	1989	1990
Expenditures On GSP	17,140	18,483	20,027	22,324	24,575	27,034
Personal Consumption Expend	10,990	11,983	12,338	13,652	14,928	16,792
Total Durables	1,875	2,109	2,199	2,389	2,630	3,087
Total Non-Durables	3,338	3,661	3,784	4,165	4,518	5,064
Services	5,777	6,213	6,355	7,098	7,780	8,641
Gross Private Domestic Investments	1,608	2,036	2,416	2,949	3,584	4,148
Non-Residential	1,160	1,460	1,703	2,128	2,496	2,995
Residential	428	539	670	804	941	1,082
Change In Inventories	20	37	43	16	147	71
Government Purchases of Goods and Services	6,165	6,391	6,623	7,100	7,855	8,291
State And Local	2,660	2,893	3,086	3,407	4,003	4,342
Compensation Of Employees	1,379	1,479	1,554	1,728	1,907	2,118
Purchase from Business	1,281	1,413	1,531	1,679	2,096	2,224
Federal	3,506	3,498	3,538	3,693	3,852	3,949
Defense	3,055	3,031	3,024	3,146	3,269	3,336
Non-Defense	451	467	514	547	582	613
Net Exports	-974	-63	-383	-704	-1,261	-1,417
Exports	8,767	9,941	10,925	12,880	14,013	14,815
Commodities (Merchandise)	1,314	1,429	1,453	1,468	1,498	1,562
Services and Income from Investments	2,209	2,408	2,605	2,884	3,233	3,514
Visitor and Crew Expenditure	5,244	6,104	6,868	8,528	9,282	9,739
Less: Imports	9,740	10,004	11,308	13,584	15,274	16,232
Commodities (Merchandise)	6,552	6,557	7,469	9,298	10,455	10,926
Services and Income from Investment	2,502	2,777	3,107	3,476	3,874	4,354
Out-of-State Expenditures by Hawaii Residents	686	670	732	810	945	951
Discrepancy and Omissions	-650	-1,864	-967	-673	-530	-781
GSP in 1987 dollars	18,337	19,324	20,027	21,206	22,214	22,977
Annual percentage change	--	5.4	3.6	5.9	4.8	3.4
Implicit price deflator (1987=100)	93.5	95.6	100	105.3	110.6	117.7
Annual percentage change	--	2.3	4.5	5.3	5.1	6.4
Per capita GSP in current dollars	16,485	17,573	18,756	20,674	22,453	24,298
Per capita GSP in constant 1987 dollars	17,636	18,372	18,756	19,639	20,296	20,651
Annual percentage change	--	4.2	2.1	4.7	3.3	1.8

**Expenditures on Gross State Product, 1985-1996 (continued)**  
(m illions of current dollars)

C lassification	1991	1992	1993	1994	1995	1996
Expenditures On GSP	28,614	30,260	31,172	31,965	32,724	33,509
Personal Consumption Expend	17,648	18,422	19,463	20,194	20,831	21,394
Total Durables	3,368	3,664	3,742	3,882	3,901	4,006
Total Non-Durables	5,311	5,485	5,795	6,013	6,203	6,370
Services	8,969	9,273	9,926	10,299	10,728	11,018
Gross Private Domestic Investments	4,618	4,430	4,306	4,243	4,073	3,858
Non-Residential	3,368	3,253	3,220	3,156	3,029	2,908
Residential	1,190	1,131	1,074	1,031	1,011	980
Change In Inventories	59	47	12	56	33	-31
Government Purchases of Goods and Services	8,900	9,584	9,657	9,975	9,974	10,386
State And Local	4,594	5,005	5,187	5,369	5,520	5,657
Compensation Of Employees	2,312	2,585	2,717	2,812	2,824	2,838
Purchase from Business	2,282	2,420	2,470	2,557	2,695	2,819
Federal	4,306	4,579	4,470	4,606	4,454	4,729
Defense	3,650	3,834	3,710	3,796	3,668	3,924
Non-Defense	656	746	760	810	787	805
Net Exports	-965	-2,335	-3,505	-1,987	-1,371	-1,330
Exports	16,030	15,228	14,444	16,419	17,472	17,769
Commodities (Merchandise)	1,589	1,627	1,644	1,611	1,595	1,563
Services and Income from Investments	3,807	4,042	4,123	4,205	4,289	4,375
Visitor and Crew Expenditure	10,634	9,559	8,678	10,603	11,588	11,831
Less: Imports	16,995	17,563	17,949	18,406	18,842	19,099
Commodities (Merchandise)	11,329	11,556	11,810	12,110	12,398	12,460
Services and Income from Investment	4,773	5,085	5,197	5,329	5,455	5,630
Out-of-State Expenditures by Hawaii Residents	893	922	942	966	989	1,009
Discrepancy and Omissions	-1,586	157	1,251	-460	-783	-799
GSP in 1987 dollars	22,888	23,095	23,180	23,190	23,298	23,504
Annual percentage change	-0.4	0.9	0.4	0.0	0.5	0.9
Implicit price deflator (1987=100)	125	131	134.5	137.8	140.5	142.6
Annual percentage change	6.3	4.8	2.6	2.5	1.9	1.5
Per capita GSP in current dollars	25,331	26,363	26,872	27,260	27,751	28,309
Per capita GSP in constant 1987 dollars	20,262	20,121	19,983	19,777	19,757	19,857
Annual percentage change	-1.9	-0.7	-0.7	-1.0	-0.1	0.5

## STATE OF THE ECONOMY

Hawaii's economy put in a mixed performance in the first quarter of 1997. While the labor market showed signs of stabilization or growth, tax revenues, visitor industry indicators and construction measures declined. Part of the declines reflect the strong growth experienced in early 1996 that was unlikely to be sustained. However some of the sluggishness continues to reflect the slow pace of economic growth that has characterized Hawaii's economy for the last seven years.

Labor market conditions seem to have stabilized. Table 1 shows that both the civilian labor force and employment continued to grow in the first quarter of 1997 relative to the first quarter of 1996. Furthermore, unemployment fell dramatically (-8.0 percent) in the first quarter, with the average unemployment rate falling to 5.6 percent from 6.4 percent for 1996.

The number of jobs also showed some improvement in the first quarter. Rather than declining as in 1996 and earlier, non-agricultural wage and salary jobs held steady at 531,200 in the first quarter of 1997 (tables 1 and A-5). This may indicate a turnaround in job losses, since data for April indicate that jobs modestly increased over April 1996.

Tax revenues have been decidedly lower in the first quarter of 1997 relative to the year-earlier quarter. To some extent, these lower collections reflect technical factors, such as a reduction in the maximum withholding rate for personal income taxes, acceleration in income tax refunds, and the initiation of electronic fund transfer payments in 1996. Table 1 indicates that general fund revenues fell by 5.0 percent. The two largest

components of general fund revenue, the general excise tax and the individual income tax, fell by 5.6 percent and 6.1 percent, respectively (tables C-3 and C-4).

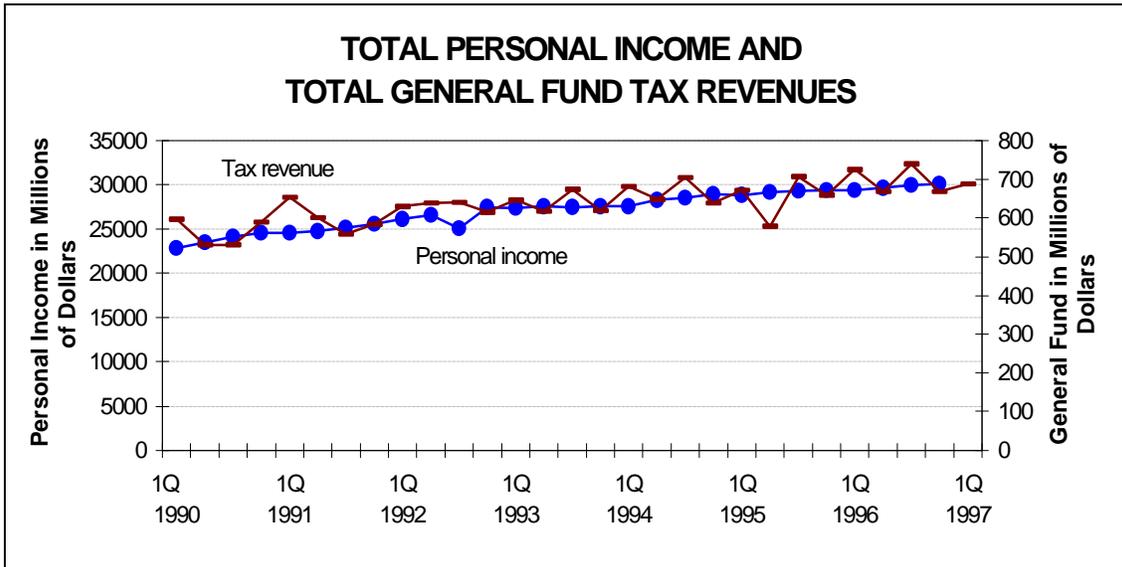
Transient accommodation tax revenue also declined by 6.4 percent from the first quarter of 1996 through the first quarter of 1997. This decline in visitor-generated revenue to some extent reflects a fall in visitor count. Both eastbound and westbound visitor arrivals fell by more than 1.0 percent, and total visitor arrivals fell 1.4 percent in the first quarter of 1997 relative to the year earlier (table 1).

However, these declines come after very high rates of growth in the first quarter of 1996 over the first quarter of 1995. For example, transient accommodation tax revenue had grown by 25.6 percent, while visitor arrivals grew by 8.9 percent in the first quarter of 1996 over 1995 (tables C-6 and D-2). The compounded annual growth rate from the first quarter of 1995 through the first quarter of 1997 was 8.5 percent for transient accommodation tax revenue and 3.6 percent for visitor arrivals.

Construction activity also displayed the mixed performance exhibited by the economy generally. The value of construction put in place declined by 3.9 percent in the first quarter of 1997 relative to the first quarter of 1996 (table E-2). Private construction activity is likely to be weak in the future with the value of authorized construction declining by 6.8 percent, most of which comes from the residential sector. On the other hand, government capital improvement project expenditures grew by 54.0 percent in the first quarter over the year-earlier quarter.

The latest available personal income and price data were presented and published in the previous issue of the *Quarterly Statistical and Economic Report*. That data indicated that the U.S. Bureau of Economic Analysis had revised upward its estimates of

quarterly personal income, thereby raising the average growth rate for 1996 relative over 1995 to 2.0 percent from 1.8 percent. Data for the first quarter of 1997 will be available in late July, in time for publication in the September 1997 issue.



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

## OUTLOOK OF THE ECONOMY

The indicators of external economic activity on which Hawaii traditionally depends continue to show strength. However, Hawaii's economy has yet to show signs of similar growth. DBEDT's recent analyses suggest that the relative importance of recovery in the Japanese economy may be growing.

The latest (June 10, 1997) Blue Chip Economic Indicators, a survey of approximately 50 economic forecasters, reports a consensus expected growth rate of 3.4 percent in U.S. real gross domestic product (GDP) in 1997 and a growth rate of 2.1 percent for 1998. This follows real growth of 2.4 percent in 1996. The Blue Chip forecasters lowered their consensus projection for the U.S. unemployment rate to 5.2 percent for 1997 and to 5.4 percent in 1998. The UCLA Anderson Forecast indicates that California's economy will grow by 5.9 percent in 1997 and by 3.1 percent in 1998.

Recent analysis by DBEDT indicates that the strong relationship between U.S. and Hawaii growth deteriorated after 1991. Since then, U.S. and California growth rates have been much less important in explaining westbound visitor arrivals or growth in economic activity.

In contrast, the relationships between Japanese growth, eastbound visitor arrivals and Hawaii economic activity

have had no perceptible break. This makes expectations of growth in Japan particularly important. The Blue Chip consensus forecast for real GDP growth in Japan in 1997 is 1.9 percent, rising to 2.8 percent in 1998. Moreover, the yen is expected to appreciate slightly from its current level of 116 per dollar to 115.5 in 1997 and to 110.8 in 1998. The rising yen should make Hawaii travel relatively more affordable for the Japanese visitor.

The altered structure of Hawaii's economy—particularly the economic relationships with the Mainland—continue to occupy DBEDT's Research and Economic Analysis Division. Overall, DBEDT expects some growth in visitor arrivals, real incomes, and jobs, but the projected growth will remain relatively slow.

As the following table indicates, visitor arrivals is anticipated to grow at 2.0 percent for 1997 as a whole and accelerate to 3.5 percent annual growth through the remainder of the decade. Real gross state product should expand at a 1.3 percent annual rate in 1997 and by 1.9 percent in 1998. DBEDT continues to expect job growth in 1997 for the first time in five years. Finally, inflation, as measured by the Honolulu CPI, is expected to grow at the relatively low rate of 1.5 percent in 1997 and by 2.0 percent in 1998.

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

<i>Economic Indicators</i>	<i>1995 (actual)</i>	<i>1996 (actual)</i>	<i>1997 (forecast)</i>	<i>1998 (forecast)</i>	<i>1999 (forecast)</i>	<i>2000 (forecast)</i>
TOTAL POPULATION (in thousands)	1,179.2	1,183.7	1,190.8	1,202.7	1,214.7	1,226.9
VISITOR ARRIVALS (in thousands)	6,629.2	6,823.1	6,959.6	7,203.1	7,455.3	7,716.2
HONOLULU CPI-U (1982-84=100)	168.1	170.7	173.3	176.7	181.1	186.6
PERSONAL INCOME (in million dollars)	29,184.1	29,782.0	30,586.1	31,717.8	33,208.5	34,935.4
PERSONAL INCOME (in \$1987 million)	19,945.7	20,028.2	20,248.5	20,572.5	21,004.5	21,466.6
TOTAL JOBS (in thousands)	576.2	570.4	573.3	581.9	593.5	606.0
GROSS STATE PRODUCT (in million dollars)	32,723.7	33,509.1	34,447.3	35,790.8	37,508.7	39,534.2
REAL GROSS STATE PRODUCT (in \$1987 million)	23,297.8	23,504.4	23,805.4	24,248.9	24,793.0	25,370.7
GROSS STATE PRODUCT DEFLATOR (1987=100)	140.5	142.6	144.7	147.6	151.3	155.8
<b>Annual Percentage Growth</b>						
TOTAL POPULATION (in thousands)	0.6	0.4	0.6	1.0	1.0	1.0
VISITOR ARRIVALS (in thousands)	3.2	2.9	2.0	3.5	3.5	3.5
HONOLULU CPI-U (1982-84=100)	2.2	1.5	1.5	2.0	2.5	3.0
PERSONAL INCOME (in million dollars)	3.1	2.0	2.7	3.7	4.7	5.2
PERSONAL INCOME (in \$1987 million)	0.9	0.4	1.1	1.6	2.1	2.2
TOTAL JOBS (in thousands)	(1.0)	(1.0)	0.5	1.5	2.0	2.1
GROSS STATE PRODUCT (in million dollars)	2.4	2.4	2.8	3.9	4.8	5.4
REAL GROSS STATE PRODUCT (in \$1987 million)	0.5	0.9	1.3	1.9	2.2	2.3
GROSS STATE PRODUCT DEFLATOR (1987=100)	1.9	1.5	1.5	2.0	2.5	3.0

## COUNTY ECONOMIC CONDITIONS

By a number of measures, the Neighbor Island Counties performed better than Honolulu County in the first quarter of 1997. The labor force and civilian employment grew at higher rates in Hawaii, Maui and Kauai counties than in Honolulu (tables 2 through 5). Unemployment fell sharply in all counties, with Kauai posting a 13.1 percent drop in the number of civilian unemployed.

Only Honolulu experienced a drop in non-agricultural wage and salary jobs (-0.8 percent), while the other counties experienced increases in jobs (Hawaii 2.5 percent, Maui 3.0 percent, and Kauai 1.5 percent). Construction jobs fell in Honolulu (-10.2 percent) and Maui (-7.7 percent), but they rose in Hawaii county (6.5 percent) and remained unchanged in Kauai.

For the most part, retail trade and services explain the growth in jobs in the Neighbor Island Counties. While retail

trade jobs fell in Honolulu by 1.9 percent, they expanded in Hawaii County (3.0 percent), Maui (2.3 percent), and Kauai (4.9 percent). Jobs in services and miscellaneous grew by 0.9 percent in Honolulu and by 0.8 percent in Kauai, but by a stronger 5.5 percent in Hawaii County and 5.2 percent in Maui.

The visitor industry grew more rapidly in Hawaii County and Kauai than in Honolulu and Maui. Honolulu County and Maui experienced declines in visitor arrivals of 4.0 percent and 3.9 percent, respectively. The number of eastbound arrivals to Maui fell sharply by 15.2 percent. However, Hawaii County enjoyed a 10.2 percent rise in visitors (26.6 percent eastbound) and Kauai County visitor arrivals expanded by 3.2 percent (8.2 percent eastbound). Hotel occupancy rates were lower in all counties except Hawaii County, with a rise of 4.6 percentage points in the average occupancy rate.

Table 1  
**SELECTED ECONOMIC ACTIVITIES: STATE**

SERIES	UNIT	1996 TOTAL		1st QUARTER 1997	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	1,000	590.9	2.4	593.2	1.4
Civilian Employment	1,000	553.2	1.8	560.0	2.0
Civilian Unemployment	1,000	37.7	11.4	33.2	-8.0
UNEMPLOYMENT RATE 2/	%	6.4	0.6	5.6	-0.6
TOTAL NON-AGR. WAGE & SALARY 1/	1,000	529.3	-0.7	531.2	0.0
Contract Construction	1,000	23.5	-10.8	21.9	-7.7
Manufacturing	1,000	16.6	-2.4	16.4	-1.9
Trans., Comm., Utilities	1,000	41.0	0.6	41.2	0.8
Trade	1,000	135.3	-0.4	135.2	-0.4
Retail	1,000	113.8	-0.4	113.8	-0.5
Finance, Insur., & Real Estate	1,000	36.8	-0.9	36.1	-2.2
Services & Miscellaneous	1,000	166.1	1.0	168.4	1.8
Hotels	1,000	38.5	1.9	39.6	3.8
Government	1,000	110.2	-1.2	112.0	0.1
State	1,000	62.3	-2.7	65.1	1.2
Federal	1,000	31.3	0.6	30.5	-2.5
AGRICULTURE WAGES AND SALARIES	1,000	7.4	1.4	7.1	-1.4
STATE GENERAL FUND TAX					
REVENUES	\$MILL	2,800.0	7.1	688.7	-5.0
TRANS. ACCOM. TAX REVENUES	\$MILL	124.0	17.4	32.0	-6.4
GENERAL EXCISE & USE TAX BASE	\$MILL	48,337.1	6.1	11,976.9	-2.8
Retailing Tax Base	\$MILL	16,091.4	6.9	4,027.0	-4.3
Services Tax Base	\$MILL	5,618.0	5.0	1,344.7	-2.0
Contracting Tax Base	\$MILL	3,285.1	4.8	674.0	-18.3
Hotel Rental Tax Base	\$MILL	2,057.8	15.8	533.8	3.0
Producing Tax Base	\$MILL	479.0	4.7	134.7	8.5
VISITOR ARRIVALS 3/	PERSONS	6,823,130	3.6	1,728,700	-1.4
Westbound Visitors	PERSONS	3,991,640	1.5	1,038,490	-1.5
Eastbound Visitors	PERSONS	2,831,490	6.6	690,210	-1.1
HOTEL OCCUPANCY RATES 2/	%	76.0	-0.6	79.3	-2.8

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in February of 1997. Self-employed data are no longer published by DLIR.

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

3/ 1996 figures are preliminary, therefore the growth rates were computed based on the 1995 preliminary (rather than the final) figures. These percentage growth rates differ from the percentage growth rates shown in tables D-1, D-2, and D-4 which are based on the final 1995 figures.

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

Table 2

**SELECTED ECONOMIC ACTIVITIES: CITY AND COUNTY OF HONOLULU**

SERIES	UNIT	1996 TOTAL		1st QUARTER 1997	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	1,000	427.4	2.1	427.2	0.7
Civilian Employment	1,000	404.8	1.3	407.5	1.1
Civilian Unemployment	1,000	22.6	17.4	19.8	-7.7
UNEMPLOYMENT RATE 2/	%	5.3	0.7	4.6	-0.4
TOTAL NON-AGR. WAGE & SALARY	1,000	403.9	-1.1	403.3	-0.8
Contract Construction	1,000	17.8	-12.3	16.3	-10.2
Manufacturing	1,000	12.8	-1.5	12.7	-1.2
Trans., Comm., Utilities	1,000	33.1	-0.2	33.3	0.8
Trade	1,000	101.3	-0.2	100.1	-1.6
Retail	1,000	83.3	-0.4	82.1	-1.9
Finance, Insur., & Real Estate	1,000	29.8	-2.0	29.2	-2.9
Services & Miscellaneous	1,000	120.5	0.2	121.4	0.9
Hotels	1,000	18.2	0.3	18.6	3.4
Government	1,000	88.7	-1.3	90.3	-0.1
State	1,000	47.7	-3.2	50.3	1.3
Federal	1,000	29.5	0.7	28.7	-2.6
AGRICULTURE WAGES AND SALARIES	1,000	2.1	5.1	1.9	-5.9
TRANS. ACCOM. TAX REVENUES	\$MILL	91.1	23.8	24.0	-2.5
GENERAL EXCISE & USE TAX BASE	\$MILL	42,830.1	9.4	10,684.2	0.3
Retailing Tax Base	\$MILL	14,322.5	11.3	3,631.5	-0.1
Services Tax Base	\$MILL	4,811.9	6.9	1,144.6	-0.8
Contracting Tax Base	\$MILL	2,827.3	8.7	566.3	-19.0
Hotel Rental Tax Base	\$MILL	1,594.6	24.5	430.2	16.6
Producing Tax Base	\$MILL	357.2	17.6	102.3	27.6
VISITOR ARRIVALS 3/	PERSONS	4,981,820	3.1	1,235,750	-4.0
Westbound Visitors	PERSONS	2,350,110	0.9	584,370	-5.4
Eastbound Visitors	PERSONS	2,631,710	5.1	651,380	-2.7
HOTEL OCCUPANCY RATES 2/	%	81.5	-2.4	83.9	-2.8

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in February of 1997. Self-employed data are no longer published by DLIR.

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

3/ Preliminary data.

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

Table 3

**SELECTED ECONOMIC ACTIVITIES: HAWAII COUNTY**

SERIES	UNIT	1996 TOTAL		1st QUARTER 1997	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	1,000	66.9	4.1	67.4	3.4
Civilian Employment	1,000	60.2	4.4	61.8	4.5
Civilian Unemployment	1,000	6.7	1.5	5.7	-7.6
UNEMPLOYMENT RATE 2/	%	9.9	-0.3	8.5	-0.9
TOTAL NON-AGR. WAGE & SALARY	1,000	47.9	1.7	48.9	2.5
Contract Construction	1,000	2.4	-7.8	2.5	6.5
Manufacturing	1,000	1.7	-5.7	1.6	-6.8
Trans., Comm., Utilities	1,000	2.6	0.0	2.6	-0.6
Trade	1,000	12.6	-0.8	12.9	2.5
Retail	1,000	10.9	-0.5	11.3	3.0
Finance, Insur., & Real Estate	1,000	2.6	8.3	2.6	-0.7
Services & Miscellaneous	1,000	16.1	7.0	16.5	5.5
Hotels	1,000	6.0	8.1	6.5	10.5
Government	1,000	10.1	0.0	10.2	0.5
State	1,000	7.0	-1.4	7.2	0.0
Federal	1,000	0.9	0.0	0.9	0.0
AGRICULTURE WAGES AND SALARIES	1,000	2.6	4.1	2.3	-9.8
TRANS. ACCOM. TAX REVENUES	\$MILL	6.5	-27.8	1.9	-30.2
GENERAL EXCISE & USE TAX BASE	\$MILL	2,103.4	-19.0	521.0	-24.5
Retailing Tax Base	\$MILL	658.2	-25.1	153.0	-35.1
Services Tax Base	\$MILL	354.4	-7.6	88.0	-12.6
Contracting Tax Base	\$MILL	188.2	-13.5	46.1	-17.0
Hotel Rental Tax Base	\$MILL	73.2	-47.4	14.6	-66.1
Producing Tax Base	\$MILL	86.6	-15.4	25.2	-18.4
VISITOR ARRIVALS 3/	PERSONS	1,227,840	13.3	333,430	10.2
Westbound Visitors	PERSONS	880,180	3.5	250,460	5.7
Eastbound Visitors	PERSONS	347,660	49.3	82,970	26.6
HOTEL OCCUPANCY RATES 2/	%	64.4	3.7	73.3	4.6

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in February of 1997. Self-employed data are no longer published by DLIR.

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

3/ Preliminary data.

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

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

SERIES	UNIT	1996 TOTAL		1st QUARTER 1997	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	1,000	67.7	2.7	69.4	4.1
Civilian Employment	1,000	62.8	2.8	64.8	5.0
Civilian Unemployment	1,000	5.0	3.1	4.7	-6.0
UNEMPLOYMENT RATE 2/	%	7.3	0.0	6.7	-0.7
TOTAL NON-AGR. WAGE & SALARY	1,000	54.1	0.3	55.5	3.0
Contract Construction	1,000	2.2	4.9	2.0	-7.1
Manufacturing	1,000	1.8	0.0	1.7	-2.0
Trans., Comm., Utilities	1,000	3.7	5.8	3.7	2.8
Trade	1,000	14.8	-1.7	15.4	2.6
Retail	1,000	13.5	-1.5	13.9	2.3
Finance, Insur., & Real Estate	1,000	2.9	0.0	2.9	1.2
Services & Miscellaneous	1,000	21.4	0.0	22.3	5.2
Hotels	1,000	10.9	-0.5	11.2	1.8
Government	1,000	7.5	0.7	7.5	2.3
State	1,000	5.0	-1.0	5.1	2.7
Federal	1,000	0.5	0.0	0.5	0.0
AGRICULTURE WAGES AND SALARIES	1,000	2.0	2.6	2.0	12.2
TRANS. ACCOM. TAX REVENUES	\$MILL	21.7	8.8	5.2	-11.4
GENERAL EXCISE & USE TAX BASE	\$MILL	2,519.5	-10.1	568.3	-20.3
Retailing Tax Base	\$MILL	830.7	-12.9	179.3	-26.5
Services Tax Base	\$MILL	323.7	-2.6	83.7	1.8
Contracting Tax Base	\$MILL	181.7	-3.6	40.6	-11.3
Hotel Rental Tax Base	\$MILL	327.5	8.3	74.2	-17.7
Producing Tax Base	\$MILL	25.2	-31.0	6.2	-30.5
VISITOR ARRIVALS 3/	PERSONS	2,327,220	0.9	602,330	-3.9
Westbound Visitors	PERSONS	1,824,700	-1.7	481,270	-0.5
Eastbound Visitors	PERSONS	502,520	11.4	121,060	-15.2
HOTEL OCCUPANCY RATES 2/ 4/	%	73.4	-0.1	78.2	-3.6

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in February of 1997. Self-employed data are no longer published by DLIR.

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

3/ Preliminary data.

4/ Data represents Maui island only.

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

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

SERIES	UNIT	1996 TOTAL		1st QUARTER 1997	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	1,000	29.0	2.1	29.2	1.3
Civilian Employment	1,000	25.5	1.4	26.0	3.3
Civilian Unemployment	1,000	3.5	7.7	3.1	-13.1
UNEMPLOYMENT RATE 2/	%	12.1	0.6	10.6	-1.9
TOTAL NON-AGR. WAGE & SALARY	1,000	23.4	-0.4	23.6	1.5
Contract Construction	1,000	1.2	-17.2	1.2	0.0
Manufacturing	1,000	0.5	0.0	0.5	-3.3
Trans., Comm., Utilities	1,000	1.6	0.0	1.6	0.0
Trade	1,000	6.6	-0.8	6.8	4.1
Retail	1,000	6.2	0.8	6.4	4.9
Finance, Insur., & Real Estate	1,000	1.5	3.6	1.5	2.3
Services & Miscellaneous	1,000	8.1	2.5	8.2	0.8
Hotels	1,000	3.5	9.5	3.4	-0.5
Government	1,000	4.0	-1.2	4.0	-0.8
State	1,000	2.6	0.0	2.6	0.7
Federal	1,000	0.4	0.0	0.4	0.0
AGRICULTURE WAGES AND SALARIES	1,000	0.9	-10.5	0.9	5.9
TRANS. ACCOM. TAX REVENUES	\$MILL	4.1	30.0	1.0	-8.8
GENERAL EXCISE & USE TAX BASE	\$MILL	884.2	-14.1	203.4	-25.0
Retailing Tax Base	\$MILL	280.1	-19.6	63.3	-30.1
Services Tax Base	\$MILL	128.1	-3.4	28.3	-20.1
Contracting Tax Base	\$MILL	87.9	-30.6	21.0	-13.2
Hotel Rental Tax Base	\$MILL	62.5	14.7	14.9	-7.4
Producing Tax Base	\$MILL	10.1	-33.6	1.0	-75.4
VISITOR ARRIVALS 3/	PERSONS	969,140	5.9	238,510	3.2
Westbound Visitors	PERSONS	825,110	4.5	209,460	2.5
Eastbound Visitors	PERSONS	144,030	14.9	29,050	8.2
HOTEL OCCUPANCY RATES 2/	%	67.4	2.4	64.2	-4.9

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in February of 1997. Self-employed data are no longer published by DLIR.

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

3/ Preliminary data.

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

## LABOR FORCE AND JOBS

Economic data from the first quarter of 1997 indicate that the labor market is stabilizing. The civilian labor force and employment continued to expand, while unemployment fell dramatically. Furthermore, the decline in the number of jobs for the previous seven quarters stopped in the first quarter of 1997.

The civilian labor force expanded at a 1.4 percent rate from the first quarter of 1996 to the first quarter of 1997 (table A-1). This represents the sixth consecutive quarter of labor force growth.

Civilian employment also grew in the first quarter of 1997 relative to the year earlier by 2.0 percent (table A-2). The level of civilian employment in the first quarter (560,000) nearly matches the first-quarter record of 560,600 of 1993.

At the same time, the number of unemployed fell a dramatic 8.0 percent from the first quarter of 1996 to the first quarter of 1997 (table A-3). This represents a sharp reversal of the double-digit growth in unemployment experienced in each quarter of 1996. As a consequence, the unemployment rate fell to 5.6 percent in the January-March period, as compared to the average of 6.4 percent for 1996 (table A-4).

The number of non-agricultural wage and salary jobs stopped falling in the first quarter of 1997 (table A-5). It is too soon to tell whether this reflects more than a transitory break in the series.

In private industry, the largest percentage declines in jobs for the first quarter of 1997 relative to the first quarter of 1996 came in construction (-7.7 percent, table A-6), utilities (-4.0 percent, table A-10), finance, insurance, and real estate (-2.2 percent, table A-13), and manufacturing (-1.9 percent, table A-7).

The largest percentage increases in jobs came in hotels (3.8 percent, table A-15), services and miscellaneous (1.8 percent, table A-14), and transportation (1.7 percent, table A-8).

The retail sector experienced another small decline (-0.5 percent) in jobs in the first quarter of 1997 relative to the first quarter of 1996 (table A-11). This is the fourth consecutive quarter of job decline in this sector following six quarters of growth from late 1994 through early 1996.

In the public sector, federal government jobs declined by 2.5 percent for the first quarter of 1997 relative to the year-earlier period (table A-16). Both state and local governments added jobs (tables A-17 and A-18); for the state, this was the first increase in jobs since the second quarter of 1995.

More recent data suggest that these trends will continue. April 1997 levels of the labor force, employment, and non-agricultural wage and salary jobs were all slightly higher than the corresponding April 1996 levels. Unemployment also continued to fall in April 1997 relative to the year earlier.

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>
In Thousands of Persons					
1985	475.3	477.2	478.5	485.0	479.0
1986	485.3	488.9	493.9	499.9	492.0
1987	506.0	513.0	516.3	520.8	514.0
1988	515.4	519.4	519.0	518.2	518.0
1989	519.4	526.7	521.9	528.0	524.0
1990	532.0	539.8	544.6	551.7	542.0
1991	568.7	573.0	576.1	577.1	573.7
1992	579.2	582.9	585.4	588.7	584.1
1993	587.0	588.0	585.1	583.8	586.0
1994	581.5	581.9	580.1	577.1	580.2
1995	574.2	577.1	577.8	579.3	577.1
1996	585.1	590.7	592.9	594.8	590.9
1997	593.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	0.7	0.7	1.6	2.8	1.5
1986	2.1	2.4	3.2	3.1	2.7
1987	4.3	4.9	4.5	4.2	4.5
1988	1.9	1.2	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	0.0	-0.8	0.3
1994	-0.9	-1.0	-0.9	-1.1	-1.0
1995	-1.3	-0.8	-0.4	0.4	-0.5
1996	1.9	2.4	2.6	2.7	2.4
1997	1.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-2

**CIVILIAN EMPLOYMENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1985	449.2	450.4	449.8	458.6	452.0
1986	461.8	464.8	468.2	477.2	468.0
1987	484.3	492.2	494.7	504.9	494.0
1988	500.7	501.3	502.3	503.8	502.0
1989	505.2	512.2	511.8	514.8	511.0
1990	517.3	523.1	529.1	538.5	527.0
1991	553.9	557.1	559.4	560.6	557.8
1992	557.4	555.7	556.3	560.4	557.8
1993	560.6	563.0	560.6	559.4	560.9
1994	549.2	545.2	541.6	544.0	545.0
1995	541.7	542.8	541.9	546.6	543.3
1996	549.0	552.0	553.5	558.3	553.2
1997	560.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	0.7	0.8	1.6	3.3	1.6
1986	2.8	3.2	4.1	4.0	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	0.0
1993	0.6	1.3	0.8	-0.2	0.6
1994	-2.0	-3.2	-3.4	-2.7	-2.8
1995	-1.4	-0.4	0.1	0.5	-0.3
1996	1.4	1.7	2.1	2.1	1.8
1997	2.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	26.1	26.8	28.7	26.4	27.0
1986	23.5	24.1	25.7	22.7	24.0
1987	21.7	20.8	21.6	15.9	20.0
1988	14.7	18.1	16.7	14.4	16.0
1989	14.2	14.5	10.1	13.3	13.0
1990	14.7	16.7	15.6	13.1	15.0
1991	14.8	15.9	16.7	16.5	16.0
1992	21.8	27.3	29.1	28.3	26.6
1993	26.4	25.0	24.5	24.4	25.1
1994	32.3	36.7	38.6	33.1	35.2
1995	32.6	34.4	35.9	32.5	33.9
1996	36.1	38.8	39.4	36.5	37.7
1997	33.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1.4	0.7	3.0	-5.0	0.0
1986	-10.1	-10.2	-10.2	-14.0	-11.1
1987	-7.6	-13.4	-16.2	-30.0	-16.7
1988	-32.1	-13.0	-22.6	-9.2	-20.0
1989	-3.8	-20.3	-39.7	-7.9	-18.8
1990	3.4	15.2	54.4	-1.2	15.4
1991	0.9	-4.4	7.3	25.8	6.5
1992	47.7	71.4	74.3	71.4	66.7
1993	21.0	-8.4	-15.9	-13.7	-5.8
1994	22.4	46.6	57.5	35.6	40.2
1995	0.7	-6.0	-7.0	-1.9	-3.7
1996	10.9	12.7	9.9	12.4	11.4
1997	-8.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-4

**CIVILIAN UNEMPLOYMENT RATE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Percent of the Civilian Labor Force					
1985	5.5	5.6	6.0	5.4	5.6
1986	4.8	4.9	5.2	4.5	4.9
1987	4.3	4.1	4.2	3.1	3.9
1988	2.9	3.5	3.2	2.8	3.1
1989	2.7	2.7	1.9	2.5	2.5
1990	2.8	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	6.2	6.6	6.6	6.1	6.4
1997	5.6	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	420.0	423.7	426.9	432.4	425.7
1986	432.8	435.8	438.2	447.5	438.6
1987	451.9	459.0	458.4	470.5	460.0
1988	470.4	476.9	476.8	488.2	478.1
1989	495.4	503.1	504.0	519.3	505.5
1990	520.0	528.6	525.7	539.2	528.4
1991	537.9	537.3	536.1	545.2	539.1
1992	543.1	544.7	538.7	544.7	542.8
1993	540.1	543.4	532.3	539.8	538.9
1994	535.5	538.0	530.5	540.7	536.2
1995	536.0	536.2	526.0	533.2	532.9
1996	531.2	531.6	523.0	531.3	529.3
1997	531.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	2.4	2.2	4.0	4.0	3.2
1986	3.1	2.9	2.6	3.5	3.0
1987	4.4	5.3	4.6	5.2	4.9
1988	4.1	3.9	4.0	3.8	3.9
1989	5.3	5.5	5.7	6.4	5.7
1990	5.0	5.1	4.3	3.8	4.5
1991	3.4	1.6	2.0	1.1	2.0
1992	1.0	1.4	0.5	-0.1	0.7
1993	-0.6	-0.2	-1.2	-0.9	-0.7
1994	-0.9	-1.0	-0.3	0.2	-0.5
1995	0.1	-0.3	-0.8	-1.4	-0.6
1996	-0.9	-0.9	-0.6	-0.3	-0.7
1997	0.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	16.0	17.0	17.9	17.9	17.2
1986	17.4	17.6	19.4	20.2	18.6
1987	20.6	21.2	21.5	21.5	21.2
1988	21.7	23.0	24.0	24.9	23.4
1989	26.5	28.6	30.2	31.5	29.2
1990	30.9	31.4	32.9	34.0	32.3
1991	33.5	33.8	34.0	33.0	33.6
1992	31.2	31.0	31.3	32.6	31.5
1993	32.7	32.7	32.5	31.5	32.3
1994	29.5	29.3	29.5	28.5	29.2
1995	26.5	26.2	26.7	25.8	26.3
1996	23.8	23.7	23.9	22.5	23.5
1997	21.9	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	-5.6	0.0	13.9	31.9	8.8
1986	8.6	3.5	8.5	13.2	8.5
1987	18.6	20.9	10.8	6.4	13.8
1988	5.2	8.5	11.7	16.0	10.4
1989	22.3	24.3	25.6	26.5	24.7
1990	16.6	9.9	9.2	7.8	10.7
1991	8.2	7.5	3.1	-2.9	3.8
1992	-6.8	-8.2	-7.8	-1.2	-6.0
1993	4.7	5.3	3.8	-3.4	2.5
1994	-9.8	-10.3	-9.1	-9.7	-9.7
1995	-10.1	-10.8	-9.8	-9.3	-9.9
1996	-10.4	-9.6	-10.3	-12.8	-10.8
1997	-7.7	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-7

**MANUFACTURING JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1985	21.4	22.0	22.4	22.0	21.9
1986	21.8	22.3	22.3	21.8	22.0
1987	21.8	21.9	22.0	21.8	21.9
1988	21.8	22.2	22.2	21.7	22.0
1989	21.6	21.4	21.6	21.4	21.5
1990	21.1	21.0	21.1	21.0	21.1
1991	20.6	20.4	20.6	20.3	20.5
1992	19.7	19.6	20.0	19.4	19.7
1993	19.3	19.3	19.4	18.7	19.2
1994	17.8	18.0	17.9	17.4	17.8
1995	16.8	16.9	17.2	17.1	17.0
1996	16.7	16.7	16.7	16.5	16.6
1997	16.4	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	-0.7	-0.1	-0.6	2.3	0.2
1986	1.7	1.7	-0.4	-0.8	0.6
1987	0.4	-1.9	-1.2	0.2	-0.6
1988	-0.3	1.4	0.8	-0.5	0.3
1989	-0.7	-3.6	-2.9	-1.6	-2.2
1990	-2.4	-1.9	-1.9	-1.9	-2.0
1991	-2.5	-3.1	-2.4	-3.3	-2.8
1992	-4.3	-3.5	-3.0	-4.4	-3.8
1993	-2.0	-2.0	-3.3	-3.4	-2.6
1994	-7.5	-6.6	-7.7	-7.2	-7.2
1995	-5.8	-6.3	-3.7	-1.9	-4.3
1996	-0.6	-1.2	-3.2	-3.5	-2.4
1997	-1.9	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	22.8	23.4	23.5	23.9	23.4
1986	24.1	24.4	24.6	25.2	24.5
1987	26.0	26.8	27.2	27.6	26.9
1988	27.5	27.8	27.8	28.1	27.8
1989	29.0	29.7	29.9	31.0	29.9
1990	30.9	31.4	31.9	33.2	31.8
1991	32.8	32.4	33.0	33.3	32.9
1992	32.9	33.0	33.1	32.6	32.9
1993	31.5	31.4	31.2	31.1	31.3
1994	31.9	32.3	31.7	31.7	31.9
1995	30.6	30.8	30.7	30.7	30.7
1996	30.8	30.7	30.9	31.3	30.9
1997	31.3	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	6.1	6.6	5.5	5.3	5.9
1986	5.6	4.2	4.5	5.5	4.9
1987	8.1	9.8	10.9	9.7	9.7
1988	5.6	3.8	1.9	1.8	3.2
1989	5.6	6.9	7.6	10.1	7.6
1990	6.4	5.7	7.0	7.3	6.6
1991	6.2	3.2	3.2	0.2	3.2
1992	0.3	1.9	0.4	-1.9	0.2
1993	-4.1	-4.9	-5.6	-4.6	-4.8
1994	1.1	2.7	1.3	1.9	1.8
1995	-4.0	-4.7	-3.0	-3.4	-3.7
1996	0.7	-0.3	0.5	2.1	0.7
1997	1.7	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-9

**COMMUNICATION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1985	7.4	7.3	7.3	7.3	7.3
1986	7.1	7.1	7.1	7.1	7.1
1987	7.2	7.3	7.2	7.4	7.3
1988	7.6	7.5	7.5	7.6	7.6
1989	7.3	7.3	7.3	7.3	7.3
1990	7.3	7.4	7.4	7.4	7.4
1991	7.5	7.4	7.3	7.2	7.3
1992	7.0	7.0	6.9	6.8	6.9
1993	6.7	6.5	6.3	6.2	6.4
1994	6.3	6.2	6.2	6.3	6.3
1995	6.2	6.3	6.3	6.3	6.3
1996	6.3	6.3	6.4	6.4	6.4
1997	6.3	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	-1.1	-3.1	-1.6	-2.0	-1.9
1986	-5.2	-2.5	-3.4	-2.1	-3.3
1987	1.9	2.3	1.4	3.7	2.4
1988	6.3	3.0	4.4	2.0	3.9
1989	-4.6	-3.3	-2.7	-2.9	-3.4
1990	0.2	1.8	1.6	1.4	1.3
1991	2.5	-0.2	-1.3	-3.1	-0.6
1992	-6.7	-5.4	-6.2	-5.1	-5.8
1993	-3.6	-7.4	-8.5	-9.5	-7.2
1994	-5.9	-4.1	-1.6	2.4	-2.4
1995	-2.9	0.8	1.9	-0.5	-0.2
1996	2.4	0.8	0.8	0.8	1.6
1997	-0.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	2.4	2.5	2.5	2.5	2.5
1986	2.4	2.6	2.6	2.6	2.6
1987	2.6	2.7	2.7	2.7	2.6
1988	2.7	2.7	2.7	2.7	2.7
1989	2.7	2.8	2.8	2.8	2.8
1990	3.0	3.0	3.0	3.0	3.0
1991	3.0	3.1	3.2	3.2	3.1
1992	3.3	3.4	3.5	3.5	3.4
1993	3.5	3.6	3.6	3.6	3.6
1994	3.6	3.6	3.7	3.7	3.7
1995	3.7	3.8	3.8	3.8	3.8
1996	3.8	3.8	3.7	3.6	3.7
1997	3.6	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1.4	2.1	4.2	4.2	3.0
1986	0.0	4.1	4.0	5.3	3.4
1987	6.9	3.2	2.6	0.6	3.3
1988	1.9	0.0	1.9	1.9	1.4
1989	1.9	5.0	4.3	4.9	4.1
1990	9.9	9.0	6.5	4.1	7.3
1991	2.2	1.6	4.4	7.9	4.0
1992	9.9	10.3	10.1	10.0	10.0
1993	5.0	4.9	3.3	1.9	3.8
1994	2.9	1.9	1.9	4.2	2.7
1995	2.8	3.2	2.7	2.2	2.7
1996	1.4	0.0	-2.7	-5.3	-1.3
1997	-4.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	95.1	95.9	96.1	97.3	96.1
1986	96.6	96.5	99.4	101.2	98.4
1987	100.8	102.4	103.9	106.4	103.4
1988	104.7	106.8	107.0	108.5	106.7
1989	109.0	110.1	110.6	113.3	110.7
1990	112.0	113.0	113.7	115.3	113.5
1991	113.8	112.5	114.3	114.3	113.7
1992	113.6	113.2	113.7	112.4	113.2
1993	110.0	110.7	111.2	112.4	111.1
1994	110.4	110.1	111.8	114.9	111.8
1995	113.7	113.2	114.5	115.7	114.3
1996	114.4	113.0	113.2	114.7	113.8
1997	113.8	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	5.9	4.9	3.5	1.6	3.9
1986	1.6	0.6	3.4	4.0	2.4
1987	4.3	6.2	4.6	5.1	5.0
1988	3.9	4.3	2.9	2.0	3.3
1989	4.1	3.0	3.3	4.4	3.7
1990	2.7	2.6	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	2.8	2.4	0.7	2.2
1996	0.6	-0.2	-1.2	-0.9	-0.4
1997	-0.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	19.3	19.5	19.8	19.7	19.6
1986	19.2	19.4	19.7	20.0	19.6
1987	20.0	20.4	20.5	20.7	20.4
1988	20.2	20.6	21.1	21.1	20.7
1989	21.5	21.9	21.9	22.2	21.9
1990	21.9	22.3	22.8	22.9	22.5
1991	22.7	22.6	22.7	22.9	22.7
1992	22.7	22.6	22.4	22.4	22.5
1993	22.0	22.1	21.8	21.8	21.9
1994	21.5	21.5	21.6	21.5	21.5
1995	21.6	21.5	21.5	21.6	21.6
1996	21.5	21.4	21.5	21.6	21.5
1997	21.5	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	3.0	2.6	4.0	3.1	3.2
1986	-0.5	-0.7	-0.3	1.4	0.0
1987	4.3	5.0	3.8	3.8	4.2
1988	1.1	0.9	2.9	2.0	1.7
1989	6.3	6.4	4.1	4.9	5.4
1990	2.3	2.0	4.1	3.5	3.0
1991	3.5	1.3	-0.6	-0.1	1.0
1992	-0.1	0.1	-1.4	-2.3	-0.9
1993	-3.2	-2.1	-2.6	-2.7	-2.6
1994	-2.0	-2.6	-1.1	-1.4	-1.9
1995	0.4	-0.2	-0.2	0.5	0.1
1996	-0.5	-0.5	-0.2	-0.2	-0.5
1997	-0.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	31.5	31.9	32.0	32.2	31.9
1986	32.6	32.8	33.5	33.8	33.2
1987	33.5	33.8	33.8	33.8	33.7
1988	34.0	34.3	34.6	34.8	34.4
1989	34.7	34.9	35.2	36.2	35.2
1990	35.9	36.8	37.3	37.3	36.8
1991	37.3	37.3	37.5	37.5	37.4
1992	37.2	37.7	38.3	38.6	37.9
1993	38.3	38.8	39.5	39.2	39.0
1994	38.7	38.6	38.5	37.8	38.4
1995	37.2	37.0	37.3	37.1	37.2
1996	37.0	36.9	36.9	36.6	36.8
1997	36.1	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	-1.5	-0.1	0.5	1.6	0.1
1986	3.5	2.7	4.4	5.0	3.9
1987	2.7	3.1	1.1	-0.1	1.7
1988	1.6	1.5	2.4	3.1	2.2
1989	1.9	1.9	1.6	3.9	2.3
1990	3.6	5.3	5.9	3.0	4.4
1991	3.7	1.3	0.6	0.6	1.5
1992	-0.2	1.3	2.0	2.8	1.5
1993	3.1	2.8	3.3	1.6	2.7
1994	1.0	-0.6	-2.6	-3.5	-1.4
1995	-3.9	-4.0	-3.2	-1.9	-3.3
1996	-0.7	-0.3	-1.1	-1.3	-0.9
1997	-2.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-14

**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>
In Thousands of Persons					
1985	110.7	110.5	113.8	115.7	112.6
1986	117.3	118.4	118.8	120.4	118.7
1987	123.6	125.2	126.8	130.6	126.5
1988	130.8	131.4	133.6	137.3	133.3
1989	141.5	143.4	146.6	150.0	145.4
1990	152.4	153.3	154.9	157.0	154.4
1991	157.4	157.1	160.2	161.7	159.1
1992	162.9	163.1	164.9	163.4	163.6
1993	163.1	163.1	161.9	162.1	162.6
1994	162.6	163.4	164.2	165.3	163.9
1995	165.1	164.6	164.1	164.4	164.5
1996	165.4	165.3	166.2	167.5	166.1
1997	168.4	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	2.9	1.7	6.2	6.6	4.3
1986	6.0	7.1	4.5	4.1	5.4
1987	5.4	5.7	6.7	8.4	6.6
1988	5.8	5.0	5.4	5.1	5.3
1989	8.2	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	3.0	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	1.4	2.0	0.8
1995	1.5	0.7	-0.1	-0.6	0.4
1996	0.2	0.4	1.3	1.9	1.0
1997	1.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	29.4	28.9	28.8	28.9	29.0
1986	29.1	29.2	29.6	29.2	29.2
1987	30.5	30.5	31.2	32.8	31.3
1988	33.7	33.5	34.4	35.7	34.3
1989	36.8	36.7	37.1	37.5	37.0
1990	37.6	38.5	38.8	40.2	38.8
1991	40.5	39.8	41.3	41.5	40.8
1992	41.5	41.3	40.8	40.2	41.0
1993	38.6	38.1	37.7	37.6	38.0
1994	37.7	37.9	38.1	38.3	38.0
1995	38.2	37.5	37.7	37.7	37.8
1996	38.2	38.1	38.5	39.0	38.5
1997	39.6	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	4.1	1.5	3.0	1.5	2.5
1986	-1.0	1.0	2.8	0.8	0.9
1987	4.8	4.7	5.5	12.5	6.9
1988	10.3	9.9	10.1	9.0	9.8
1989	9.4	9.3	8.0	4.9	7.9
1990	2.0	5.0	4.6	7.2	4.7
1991	7.8	3.5	6.4	3.4	5.2
1992	2.4	3.8	-1.2	-3.2	0.4
1993	-6.8	-7.9	-7.7	-6.6	-7.3
1994	-2.4	-0.6	1.2	2.1	0.1
1995	1.1	-1.0	-1.2	-1.7	-0.7
1996	0.1	1.6	2.3	3.4	1.9
1997	3.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	32.3	32.3	32.4	32.5	32.4
1986	32.1	32.0	32.0	32.2	32.1
1987	32.0	32.7	32.9	33.4	32.8
1988	33.8	33.7	33.8	34.1	33.8
1989	33.8	33.9	34.0	34.2	34.0
1990	33.9	35.0	34.1	33.7	34.1
1991	33.4	33.5	34.4	34.1	33.9
1992	33.7	33.5	33.0	32.9	33.3
1993	31.8	32.0	31.9	31.7	31.8
1994	31.3	31.6	31.2	30.9	31.3
1995	31.0	31.2	31.2	30.9	31.1
1996	31.3	31.5	31.5	30.9	31.3
1997	30.5	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1.7	1.2	0.7	-0.3	0.8
1986	-0.4	-1.0	-1.3	-0.8	-0.9
1987	-0.3	2.2	3.0	3.6	2.1
1988	5.4	2.9	2.5	2.0	3.2
1989	0.2	0.7	0.6	0.4	0.5
1990	0.1	3.1	0.2	-1.5	0.5
1991	-1.3	-4.2	1.1	1.3	-0.8
1992	0.7	0.0	-4.0	-3.6	-1.8
1993	-5.6	-4.5	-3.6	-3.7	-4.3
1994	-1.4	-1.3	-2.0	-2.3	-1.7
1995	-1.1	-1.2	-0.3	-0.3	-0.7
1996	1.0	1.0	1.0	0.2	0.6
1997	-2.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	48.5	48.8	43.3	48.9	47.4
1986	49.8	50.2	44.5	50.0	48.6
1987	50.9	51.7	45.5	51.4	49.9
1988	52.4	53.5	47.8	53.7	51.8
1989	54.3	55.3	49.0	55.6	53.5
1990	56.9	59.9	51.3	60.2	57.1
1991	61.8	62.8	53.4	63.0	60.3
1992	64.4	65.7	55.5	64.8	62.6
1993	66.0	68.0	56.8	66.1	64.2
1994	66.5	68.2	58.0	67.3	65.0
1995	67.6	68.7	55.8	63.8	64.0
1996	64.3	66.1	55.1	63.5	62.3
1997	65.1	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1.5	1.3	2.4	2.3	1.8
1986	2.6	2.7	2.8	2.3	2.6
1987	2.3	3.1	2.1	2.8	2.6
1988	2.8	3.4	5.1	4.6	3.9
1989	3.6	3.4	2.5	3.5	3.3
1990	4.8	8.3	4.8	8.1	6.6
1991	8.6	4.9	4.1	4.7	5.6
1992	4.2	4.5	3.9	2.8	3.8
1993	2.6	3.6	2.3	2.0	2.7
1994	0.7	0.2	2.2	1.8	1.2
1995	1.6	0.7	-3.9	-5.2	-1.6
1996	-4.8	-3.7	-1.3	-0.4	-2.7
1997	1.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-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>
In Thousands of Persons					
1985	12.7	12.6	16.0	12.7	13.5
1986	12.6	12.7	14.4	12.9	13.1
1987	12.8	13.0	14.5	13.4	13.4
1988	13.4	13.5	14.8	13.7	13.9
1989	13.6	13.8	15.1	13.9	14.1
1990	13.9	14.1	15.2	14.4	14.4
1991	14.3	14.5	15.6	14.7	14.8
1992	14.7	14.9	16.2	15.3	15.3
1993	15.2	15.3	16.2	15.4	15.5
1994	15.4	15.4	16.3	15.4	15.6
1995	16.3	16.3	17.1	16.2	16.5
1996	16.3	16.4	17.5	16.5	16.7
1997	16.4	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1.2	-0.1	8.6	-1.1	2.4
1986	-0.9	0.1	-9.8	1.6	-2.7
1987	1.7	2.7	0.3	3.6	2.0
1988	4.7	4.1	2.1	2.6	3.3
1989	1.6	1.9	2.1	0.9	1.6
1990	2.0	2.0	1.3	3.7	2.2
1991	3.2	3.0	2.0	2.4	2.6
1992	2.4	2.7	4.0	4.3	3.4
1993	3.4	2.6	0.0	0.6	1.6
1994	1.3	0.8	0.8	-0.2	0.7
1995	5.8	5.6	4.6	5.2	5.4
1996	0.3	0.9	2.3	1.5	1.2
1997	0.7	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-19

**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>
In Thousands of Persons					
1985	9.8	10.5	11.2	10.1	10.4
1986	9.8	9.9	10.8	10.0	10.1
1987	10.0	10.5	11.3	10.4	10.5
1988	9.7	9.7	10.5	10.0	10.0
1989	9.2	9.7	10.2	9.4	9.6
1990	8.8	9.4	10.4	9.5	9.5
1991	8.8	9.4	10.2	9.9	9.6
1992	9.2	9.3	9.7	9.0	9.3
1993	8.8	8.3	8.8	8.4	8.6
1994	8.0	8.0	8.5	7.6	8.0
1995	7.1	7.0	7.4	7.8	7.3
1996	7.2	7.2	7.6	7.7	7.4
1997	7.1	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1.8	-5.0	-5.9	-4.5	-3.6
1986	0.3	-5.7	-4.0	-1.2	-2.7
1987	1.6	5.7	4.7	3.6	3.9
1988	-2.5	-7.2	-6.9	-3.7	-5.2
1989	-5.2	-0.5	-3.4	-5.4	-3.6
1990	-4.3	-3.3	2.6	1.1	-0.9
1991	-0.4	-0.1	-2.4	3.8	0.2
1992	4.5	-0.3	-5.0	-9.4	-2.8
1993	-4.8	-10.6	-8.8	-7.0	-7.8
1994	-8.5	-4.0	-3.8	-9.4	-6.4
1995	-11.4	-13.1	-13.2	2.4	-8.9
1996	0.7	2.9	2.7	-0.6	1.4
1997	-1.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-20  
**LABOR DISPUTES**

<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					
1985	0.2	0.2	0.0	0.1	0.1
1986	0.1	0.1	0.1	0.6	0.2
1987	0.1	0.1	0.1	0.1	0.1
1988	0.1	0.1	0.1	0.2	0.1
1989	0.0	0.0	0.0	0.0	0.0
1990	2.5	0.0	0.0	0.0	0.6
1991	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0
1993	0.0	0.0	0.0	0.1	0.0
1994	0.1	0.0	0.1	0.1	0.0
1995	0.1	0.1	0.0	0.0	0.0
1996	0.1	0.0	0.0	0.0	0.0
1997	0.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.



# INCOME AND PRICES<sup>1</sup>

In late April 1997, the U.S. Bureau of Economic Analysis revised upward its estimate of quarterly Hawaii personal income growth between 1995 and 1996. As a result, the average growth for 1996 rose from 1.8 percent to 2.0 percent (table B-1). This implies that personal income increased 0.4 percent over Hawaii's inflation rate (tables B-2 and B-9).

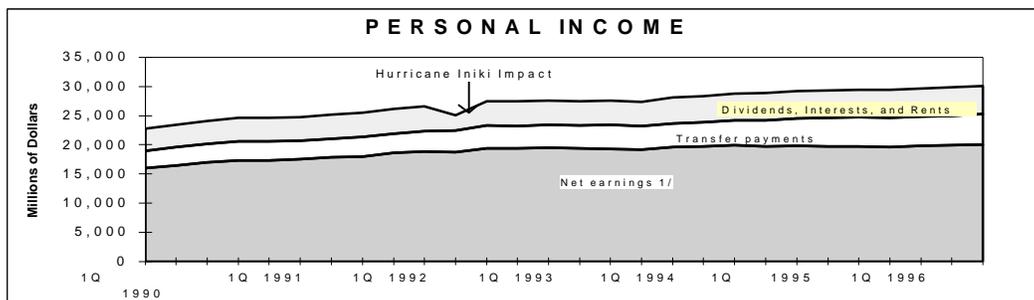
Most of the increase in personal income came from increases in transfer payments and property income (dividends, interests, and rents). Transfer payments increased 6.6 percent from 1995 to 1996. Property income increased 3.2 percent during the same period.

Personal earnings, which include wages and salaries, other labor income and proprietors' income, increased 0.6 percent from 1995 to 1996. Wages and salaries increased 1.0 percent, other labor income declined 1.2 percent, and proprietors' income declined 0.8 percent during the same period.

By industry, earnings fell from 1995 to 1996 in mining (-11.3 percent), construc-

tion (-9.8 percent), farm (-5.5 percent), state and local government (-2.6 percent), manufacturing (-2.0 percent), and the federal military (-0.3 percent). Industries that experienced increases in earnings were services (3.6 percent); transportation; communications and utilities (3.2 percent); finance, insurance and real estate (3.0 percent); federal civilian (2.6 percent); agricultural services; forestry and fishery (2.1 percent); wholesale trade (1.0 percent); and retail trade (1.0 percent).

Hawaii's consumer inflation rate, as measured by the change in Honolulu Consumer Price Index for urban consumers, increased only 1.5 percent in 1996 from a year earlier (table B-9). This is the lowest annual inflation rate since 1964. Among the major consumer expenditure categories, food and beverages experienced a slight price drop in 1996 from the 1995 level. Prices for home rental increased 1.2 percent, apparel and upkeep increased 0.8 percent, transportation rose 2.8 percent, and both medical care and entertainment increased 2.5 percent over the same period.



Note: 1/ Net earnings = Total Wage and Salaries + Other Labor Income + Proprietors' Income - Contribution to Social Insurance.  
Source: Research and Economic Analysis Division, DBEDT.

<sup>1</sup> The late publication of the March 1997 issue of the *Quarterly Statistical and Economic Report* permitted the inclusion of personal income and price data through the fourth quarter of 1996 (normally not available until the June issue). Data for the first quarter of 1997 are not expected until late July.

Table B-1

**PERSONAL INCOME FOR HAWAII BY MAJOR SOURCES**

Series	1995	1996	Percentage Change from Previous Year	
			1995	1996
<b>Derivation of Personal Income</b>				
Wage and salary disbursements	16,770	16,941	0.0	1.0
Plus: Other labor income	1,999	1,975	1.8	-1.2
Plus: Proprietors' income	2,359	2,341	5.1	-0.8
Total earnings	21,128	21,258	0.7	0.6
Less: Personal contrib. for social insur.	1,380	1,379	1.1	-0.1
Net earnings	19,749	19,879	0.7	0.7
Plus: Dividends, interest, rent	4,664	4,815	5.9	3.2
Plus: Transfer payments	4,771	5,087	11.2	6.6
<b>Personal income</b>	<b>29,184</b>	<b>29,782</b>	<b>3.1</b>	<b>2.0</b>
<b>Total Earnings by Industry</b>	<b>21,129</b>	<b>21,258</b>	<b>0.7</b>	<b>0.6</b>
Farm	161	152	-11.5	-5.5
Nonfarm	20,968	21,106	0.9	0.7
Private	15,661	15,839	1.4	1.1
Agriculture forestry, fish., other	154	157	3.0	2.1
Mining	22	20	37.0	-11.3
Construction	1,677	1,513	-7.9	-9.8
Manufacturing	798	782	-0.5	-2.0
Transp., comm., utilities	1,715	1,770	2.5	3.2
Wholesale trade	803	811	1.3	1.0
Retail trade	2,654	2,679	3.8	1.0
Finance, insur., real estate	1,591	1,638	0.1	3.0
Services	6,248	6,470	3.4	3.6
Government & govt. enterprises	5,307	5,268	-0.8	-0.7
Federal civilian	1,218	1,249	-2.5	2.6
Federal military	1,508	1,503	-1.6	-0.3
State and local	2,581	2,515	0.4	-2.6

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

Table B-2

**PERSONAL INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	14,547	14,767	15,010	15,317	15,036
1986	15,590	15,841	16,283	16,505	16,106
1987	16,619	16,968	17,338	17,804	17,336
1988	18,298	18,661	19,040	19,696	19,195
1989	20,223	20,723	21,180	21,701	21,048
1990	22,801	23,438	24,123	24,603	23,741
1991	24,567	24,785	25,116	25,518	24,996
1992	26,121	26,573	25,059	27,489	26,311
1993	27,400	27,584	27,477	27,559	27,505
1994	27,546	28,235	28,520	28,916	28,304
1995	28,866	29,175	29,284	29,411	29,184
1996	29,417	29,663	29,918	30,129	29,782
Percentage Change from the Same Period in Previous Year					
1985	7.5	6.0	6.2	7.2	6.9
1986	7.2	7.3	8.5	7.8	7.1
1987	6.6	7.1	6.5	7.9	7.6
1988	10.1	10.0	9.8	10.6	10.7
1989	10.5	11.0	11.2	10.2	9.7
1990	(X)	(X)	(X)	(X)	12.8
1991	7.7	5.7	4.1	3.7	5.3
1992	6.3	7.2	-0.2	7.7	5.3
1993	4.9	3.8	9.6	0.3	4.5
1994	0.5	2.4	3.8	4.9	2.9
1995	4.8	3.3	2.7	1.7	3.1
1996	1.9	1.7	2.2	2.4	2.0

Note: (X) = not applicable. Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997. Quarterly estimates from 1st quarter 1990 to 4th quarter 1996 are consistent with the annual revisions.

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

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</i>
In Millions of Dollars					
1985	8,940	9,077	9,224	9,397	9,215
1986	9,486	9,600	9,812	10,070	9,821
1987	10,262	10,520	10,794	11,119	10,771
1988	11,433	11,604	11,774	12,190	11,837
1989	12,467	12,820	13,176	13,527	13,083
1990	13,917	14,348	14,730	15,099	14,524
1991	15,152	15,249	15,495	15,694	15,398
1992	16,160	16,351	16,430	16,722	16,416
1993	16,604	16,811	16,610	16,526	16,638
1994	16,684	16,750	16,731	16,888	16,763
1995	16,723	16,821	16,795	16,741	16,770
1996	16,736	16,890	17,019	17,120	16,941
Percentage Change from the Same Period in Previous Year					
1985	6.4	5.4	6.6	7.9	6.7
1986	6.1	5.8	6.4	7.2	6.6
1987	8.2	9.6	10.0	10.4	9.7
1988	11.4	10.3	9.1	9.6	9.9
1989	9.0	10.5	11.9	11.0	10.5
1990	(X)	(X)	(X)	(X)	11.0
1991	8.9	6.3	5.2	3.9	6.0
1992	6.7	7.2	6.0	6.6	6.6
1993	2.7	2.8	1.1	-1.2	1.4
1994	0.5	-0.4	0.7	2.2	0.8
1995	0.2	0.4	0.4	-0.9	0.0
1996	0.1	0.4	1.3	2.3	1.0

Note: (X) = not applicable. Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997. Quarterly estimates from 1st quarter 1990 to 4th quarter 1996 are consistent with the annual revisions.

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

Table B-4

**OTHER LABOR INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	777	775	781	791	838
1986	817	850	888	925	940
1987	895	911	925	956	1,016
1988	985	994	1,019	1,064	1,091
1989	1,095	1,139	1,182	1,216	1,245
1990	1,367	1,420	1,477	1,540	1,451
1991	1,566	1,610	1,661	1,690	1,632
1992	1,740	1,755	1,781	1,793	1,767
1993	1,892	1,898	1,893	1,871	1,889
1994	1,961	1,946	1,969	1,981	1,964
1995	1,986	2,007	2,007	1,998	1,999
1996	1,969	1,969	1,981	1,982	1,975
Percentage Change from the Same Period in Previous Year					
1985	4.4	0.3	0.6	1.8	5.6
1986	5.1	9.7	13.7	16.9	12.1
1987	9.5	7.2	4.2	3.4	8.1
1988	10.1	9.1	10.2	11.3	7.4
1989	11.2	14.6	16.0	14.3	14.2
1990	(X)	(X)	(X)	(X)	16.5
1991	14.6	13.4	12.5	9.7	12.5
1992	11.1	9.0	7.2	6.1	8.3
1993	8.7	8.1	6.3	4.4	6.9
1994	3.6	2.5	4.0	5.9	4.0
1995	1.3	3.1	1.9	0.9	1.8
1996	-0.9	-1.9	-1.3	-0.8	-1.2

Note: (X) = not applicable. Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997. Quarterly estimates from 1st quarter 1990 to 4th quarter 1996 are consistent with the annual revisions.

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

Table B-5

**PROPRIETORS' INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	1,174	1,210	1,258	1,344	1,054
1986	1,399	1,421	1,596	1,543	1,136
1987	1,550	1,579	1,620	1,665	1,247
1988	1,768	1,900	1,986	2,094	1,648
1989	2,148	2,221	2,228	2,205	1,596
1990	1,798	1,804	1,935	1,899	1,859
1991	1,859	1,917	1,897	1,858	1,883
1992	1,998	2,029	1,782	2,115	1,981
1993	2,176	2,110	2,128	2,198	2,153
1994	1,921	2,279	2,358	2,420	2,244
1995	2,386	2,380	2,355	2,316	2,359
1996	2,318	2,338	2,349	2,359	2,341
Percentage Change from the Same Period in Previous Year					
1985	17.6	10.4	8.7	13.8	10.6
1986	19.2	17.4	26.9	14.8	7.7
1987	10.8	11.1	1.5	7.9	9.8
1988	14.1	20.3	22.6	25.8	32.1
1989	21.5	16.9	12.2	5.3	-3.2
1990	(X)	(X)	(X)	(X)	16.5
1991	3.4	6.3	-2.0	-2.2	1.3
1992	7.5	5.8	-6.1	13.8	5.2
1993	8.9	4.0	19.4	3.9	8.7
1994	-11.7	8.0	10.8	10.1	4.2
1995	24.2	4.4	-0.1	-4.3	5.1
1996	-2.8	-1.8	-0.3	1.9	-0.8

Note: (X) = not applicable. Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997. Quarterly estimates from 1st quarter 1990 to 4th quarter 1996 are consistent with the annual revisions.

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

Table B-6

**DIVIDENDS, INTEREST, AND RENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	2,302	2,330	2,343	2,377	2,579
1986	2,441	2,500	2,501	2,220	2,760
1987	2,450	2,467	2,501	2,563	2,838
1988	2,591	2,636	2,728	2,819	3,112
1989	2,919	2,980	2,973	3,033	3,522
1990	3,804	3,877	3,974	4,016	3,918
1991	4,049	4,056	4,075	4,153	4,084
1992	4,166	4,212	2,645	4,184	3,802
1993	4,236	4,189	4,142	4,123	4,172
1994	4,190	4,404	4,494	4,532	4,405
1995	4,629	4,668	4,647	4,712	4,664
1996	4,757	4,775	4,837	4,892	4,815
Percentage Change from the Same Period in Previous Year					
1985	9.9	8.2	4.5	4.0	6.9
1986	6.0	7.3	6.7	-6.6	7.0
1987	0.4	-1.3	0.0	15.5	2.8
1988	5.8	6.9	9.1	10.0	9.7
1989	12.7	13.1	9.0	7.6	13.2
1990	(X)	(X)	(X)	(X)	11.2
1991	6.4	4.6	2.5	3.4	4.2
1992	2.9	3.8	-35.1	0.7	-6.9
1993	1.7	-0.5	56.6	-1.5	9.7
1994	-1.1	5.1	8.5	9.9	5.6
1995	10.5	6.0	3.4	4.0	5.9
1996	2.8	2.3	4.1	3.8	3.2

Note: (X) = not applicable. Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997. Quarterly estimates from 1st quarter 1990 to 4th quarter 1996 are consistent with the annual revisions.

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

Table B-7

**TRANSFER PAYMENTS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	2,019	2,039	2,073	2,084	2,049
1986	2,145	2,178	2,208	2,220	2,189
1987	2,201	2,244	2,266	2,287	2,264
1988	2,373	2,390	2,409	2,434	2,420
1989	2,509	2,539	2,618	2,731	2,633
1990	3,019	3,115	3,167	3,235	3,134
1991	3,160	3,171	3,221	3,367	3,230
1992	3,349	3,526	3,725	3,968	3,642
1993	3,823	3,918	4,025	4,139	3,976
1994	4,154	4,219	4,329	4,467	4,292
1995	4,519	4,684	4,864	5,018	4,771
1996	5,004	5,066	5,116	5,163	5,087
Percentage Change from the Same Period in Previous Year					
1985	6.2	6.6	7.7	6.9	6.7
1986	6.2	6.8	6.5	6.5	6.8
1987	2.6	3.0	2.6	3.0	3.4
1988	7.8	6.5	6.3	6.4	6.9
1989	5.7	6.2	8.7	12.2	8.8
1990	(X)	(X)	(X)	(X)	19.0
1991	4.7	1.8	1.7	4.1	3.0
1992	6.0	11.2	15.6	17.8	12.8
1993	14.2	11.1	8.1	4.3	9.2
1994	8.7	7.7	7.6	7.9	7.9
1995	8.8	11.0	12.4	12.3	11.2
1996	10.7	8.2	5.2	2.9	6.6

Note: (X) = not applicable. Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997. Quarterly estimates from 1st quarter 1990 to 4th quarter 1996 are consistent with the annual revisions.

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

Table B-8

**CONTRIBUTION TO SOCIAL INSURANCE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	664	665	668	676	700
1986	699	707	721	736	739
1987	740	753	768	785	800
1988	852	864	875	905	913
1989	951	976	996	1,011	1,031
1990	1,105	1,126	1,160	1,185	1,144
1991	1,219	1,218	1,234	1,244	1,229
1992	1,292	1,301	1,304	1,293	1,298
1993	1,331	1,341	1,321	1,298	1,323
1994	1,364	1,363	1,362	1,372	1,365
1995	1,376	1,385	1,383	1,373	1,380
1996	1,368	1,376	1,384	1,387	1,379
Percentage Change from the Same Period in Previous Year					
1985	9.8	6.9	7.4	9.4	8.2
1986	5.3	6.3	7.9	8.9	5.6
1987	5.9	6.5	6.5	6.7	8.3
1988	15.1	14.7	13.9	15.3	14.2
1989	11.6	13.0	13.8	11.7	12.9
1990	(X)	(X)	(X)	(X)	10.9
1991	10.3	8.2	6.4	5.0	7.4
1992	6.0	6.8	5.7	3.9	5.6
1993	3.0	3.1	1.3	0.4	1.9
1994	2.5	1.6	3.1	5.7	3.2
1995	0.9	1.6	1.5	0.1	1.1
1996	-0.6	-0.6	0.1	1.0	-0.1

Note: (X) = not applicable. Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997. Quarterly estimates from 1st quarter 1990 to 4th quarter 1996 are consistent with the annual revisions.

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

Table B-9

**CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), AND SELECTED  
ITEMS, FOR U.S. AND HONOLULU: 1985 to 1996**  
[1982-84=100]

Period	U.S.	Honolulu						
		All Items	Food & Beverages	Housing 1/	Apparel & Upkeep	Transportation	Medical Care	Entertainment
1985	107.6	106.8	107.8	106.0	99.6	104.9	113.2	111.9
1986	109.6	109.4	110.0	108.4	99.8	105.2	122.3	113.2
1987	113.6	114.9	114.1	115.0	102.5	109.7	127.9	118.6
1988	118.3	121.7	120.3	123.0	106.8	116.1	132.5	122.9
1989	124.0	128.7	128.1	131.1	104.3	123.9	139.3	124.3
1990	130.7	138.1	137.8	141.5	107.0	131.1	154.2	128.4
1991	136.2	148.0	145.9	152.8	110.5	139.3	171.3	134.3
1992	140.3	155.1	148.5	161.7	114.2	147.4	182.6	136.3
1993	144.5	160.1	152.9	166.6	116.5	150.5	197.4	138.4
1994	148.2	164.5	153.4	177.6	118.7	156.4	206.0	142.3
1995	152.4	168.1	156.8	174.7	117.5	162.4	209.8	144.2
1996	156.9	170.7	156.6	176.8	118.5	167.0	215.0	147.8
Percentage Change from the Same Period in Previous Year								
1985	3.6	3.2	4.1	2.8	-0.6	1.9	5.5	7.3
1986	1.9	2.4	2.0	2.3	0.2	0.3	8.0	1.2
1987	3.6	5.0	3.7	6.1	2.7	4.3	4.6	4.8
1988	4.1	5.9	5.4	7.0	4.2	5.8	3.6	3.6
1989	4.8	5.8	6.5	6.6	-2.3	6.7	5.1	1.1
1990	5.4	7.3	7.6	7.9	2.6	5.8	10.7	3.3
1991	4.2	7.2	5.9	8.0	3.3	6.3	11.1	4.6
1992	3.0	4.8	1.8	5.8	3.3	5.8	6.6	1.5
1993	3.0	3.2	3.0	3.0	2.0	2.1	8.1	1.5
1994	2.6	2.7	0.3	6.6	1.9	3.9	4.4	2.8
1995	2.8	2.2	2.2	1.8	-1.0	3.8	1.8	1.3
1996	2.9	1.5	-0.1	1.2	0.8	2.8	2.5	2.5

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

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

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

## TAX BASE AND REVENUES

In part reflecting the extraordinary growth in tax revenues in the first half of 1996, and in part because of technical factors, tax revenues in the first quarter of 1997 were lower relative to the year-earlier period. However, declines in general excise tax bases also raise some cautionary signs for economic activity.

General fund tax revenues declined 5.0 percent from the first quarter of 1996 to the first quarter of 1997 (table C-2). This was a reversal of the growth that has characterized general fund revenues since mid-1995.

This fall in general fund revenues reflects declines in the two largest components: general excise and use tax revenues fell 5.6 percent and net individual income tax revenues fell 6.1 percent in the first quarter of 1997 relative to the year-earlier period (tables C-3 and C-4). Some of the decline in general excise tax receipts reflects the unusually large receipts of early 1996 associated with the change to electronic fund transfers. Part of the decline in net individual income tax collections reflects the lowering of the top withholding rate from 10 percent to 8 percent that was implemented in late 1996. In addition, income tax refund processing was accelerated in 1997 relative to 1996. Transient accommodation tax revenues also declined by 6.4 percent from the first quarter of 1996 to the first quarter of 1997 (table C-6).

Net corporate income tax revenues grew 16.9 percent over the period, but the relatively small revenue stream from this source could not offset the declines from other sources (table C-5).

Overall, the general excise tax base fell 2.8 percent from the first quarter of 1996 to the first quarter of 1997. This decline reflected drops in the retailing tax base (-4.3 percent), the services tax base (-2.0 percent), and the contracting tax base (-18.3 percent). In the case of retailing and contracting, part of the decline may be attributed to the unusually rapid growth in the first quarter of 1996.

Some components of the general excise tax base rose in the first quarter of 1997 relative to the first quarter of 1996: the hotel rental tax base (3.0 percent), the producing tax base (8.5 percent), and the 4% use tax base (21.0 percent). The relatively high growth rates in producing and the 4% use bases should be read with caution as both bases display historical volatility in growth.

The decline in general fund tax revenues continued in April with receipts 11.0 percent lower than in April 1996. However some of this decline is due to lower maximum withholding rates for income taxes and to an acceleration in the processing of refunds.

Table C-1

**GENERAL FUND TAX REVENUES AND MAJOR COMPONENTS**

<i>Year</i>	<i>General Excise and Use Tax 1/</i>	<i>Net Individual Income Tax 2/</i>	<i>Net Corporate Income Tax 3/</i>	<i>Tax Revenues Distributed to State General Fund</i>
In Thousands of Dollars				
1990	1,250,204	743,114	86,268	2,246,752
1991	1,287,818	900,963	70,568	2,397,289
1992	1,299,813	922,205	42,736	2,523,672
1993	1,308,798	951,403	22,237	2,555,914
1994	1,347,943	1,003,477	34,226	2,672,293
1995	1,386,685	918,809	37,337	2,614,713
1996	1,469,766	995,456	51,243	2,799,972
1997 1 Qtr.	365,069	227,409	18,055	688,683
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 1 Qtr.	-5.6	-6.1	16.9	-5.0

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

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

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

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

Source: Hawaii State Department of Taxation.

Table C-2

**STATE GENERAL FUND TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	315.1	344.4	344.7	321.6	1,325.8
1986	347.1	393.2	377.6	368.6	1,486.5
1987	400.6	461.7	430.0	438.9	1,731.2
1988	466.1	514.6	483.6	484.9	1,949.2
1989	554.2	593.1	441.0	568.7	2,157.0
1990	596.0	530.5	531.3	589.0	2,246.8
1991	654.2	600.8	557.6	584.7	2,397.3
1992	629.7	638.9	640.3	614.8	2,523.7
1993	646.2	617.4	674.2	618.1	2,555.9
1994	681.3	648.0	703.9	639.1	2,672.3
1995	671.4	577.8	706.0	659.5	2,614.7
1996	725.3	667.7	739.0	668.0	2,800.0
1997	688.7	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
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	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-3

**GENERAL EXCISE & USE TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	174.1	178.7	176.8	177.9	707.4
1986	192.0	200.0	198.3	187.6	778.0
1987	216.7	214.9	219.3	218.1	869.0
1988	240.5	242.0	241.3	242.2	966.0
1989	270.8	270.7	272.6	282.3	1096.5
1990	313.1	308.6	314.3	314.2	1250.2
1991	346.0	304.2	335.7	301.9	1287.8
1992	338.3	318.8	325.3	317.3	1299.8
1993	332.7	327.5	332.7	315.9	1308.8
1994	353.4	330.3	345.8	318.5	1347.9
1995	363.1	335.9	348.0	339.6	1386.7
1996	386.7	357.4	379.0	346.6	1469.8
1997	365.1	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
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	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-4

**NET INDIVIDUAL INCOME TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	108.6	100.3	125.7	111.8	446.4
1986	125.7	99.8	129.1	135.6	490.2
1987	134.4	143.6	138.8	157.9	574.7
1988	159.3	170.0	169.0	182.5	680.8
1989	205.1	211.0	176.7	209.2	802.0
1990	201.6	107.6	216.0	217.9	743.1
1991	252.6	186.2	240.4	221.7	901.0
1992	228.8	216.0	244.0	233.4	922.2
1993	233.9	211.7	263.0	242.9	951.4
1994	236.4	220.3	281.5	265.3	1,003.5
1995	224.6	154.3	277.1	262.8	918.8
1996	242.3	217.8	276.9	258.5	995.5
1997	227.4	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
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	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-5

**NET CORPORATE INCOME TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>	
In Millions of Dollars						
1985	7.5	21.9	11.6	3.1	44.1	
1986	7.8	17.2	14.9	6.4	46.2	
1987	13.6	26.6	17.9	9.2	67.3	
1988	18.1	20.8	16.2	7.9	63.1	
1989	23.5	24.7	18.8	5.7	72.7	
1990	22.5	27.9	29.1	6.8	86.3	
1991	23.7	36.4	11.1	-0.6	70.6	
1992	17.4	15.9	11.2	-1.7	42.7	
1993	6.5	13.4	13.5	-11.2	22.2	
1994	10.5	26.2	9.1	-11.6	34.2	
1995	12.9	19.8	12.0	-7.4	37.3	
1996	15.5	28.3	9.9	-2.5	51.2	
1997	18.1	n/a	n/a	n/a	n/a	
Percentage Change from the Same Period in Previous Year						
1985	-21.5	49.2	10.7	-37.7	11.1	
1986	3.5	-21.7	29.0	105.8	4.9	
1987	75.3	55.0	19.8	43.9	45.6	
1988	32.9	-21.6	-9.1	-14.1	-6.2	
1989	29.7	18.5	15.6	-27.8	15.2	
1990	-4.3	12.9	55.0	19.2	18.7	
1991	5.4	30.3	-61.9	-109.0	-18.2	
1992	-26.5	-56.4	0.6	181.7	1/	-39.4
1993	-62.5	-15.7	21.1	549.9	1/	-48.0
1994	59.9	96.0	-32.4	3.5	1/	53.9
1995	23.1	-24.4	31.7	-36.2	1/	9.1
1996	20.1	43.0	-17.6	-66.7	1/	37.2
1997	16.9	n/a	n/a	n/a	1/	n/a

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

n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-6

**TRANSIENT ACCOMMODATION TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1987	7.2	16.3	16.2	13.6	53.2
1988	18.5	19.1	17.9	15.2	70.7
1989	20.8	22.0	18.4	19.7	81.0
1990	22.4	21.9	21.3	17.9	83.5
1991	20.9	19.1	20.0	17.9	77.9
1992	20.9	21.2	19.4	19.4	80.8
1993	20.9	20.7	17.2	16.7	75.4
1994	22.9	19.8	22.3	21.6	86.5
1995	27.2	27.0	26.6	24.8	105.6
1996	34.2	30.1	32.4	27.2	124.0
1997	32.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1988 1/	155.9	17.2	10.7	12.4	32.8
1989	12.7	15.3	3.1	29.4	14.6
1990	7.4	-0.4	15.5	-9.3	3.0
1991	-6.4	-12.8	-6.0	-0.1	-6.6
1992	-0.1	10.8	-3.3	8.6	3.7
1993	0.0	-2.5	-11.4	-13.9	-6.7
1994	9.6	-4.4	29.7	29.2	14.7
1995	18.8	36.6	19.5	15.0	22.1
1996	25.6	11.7	21.8	9.9	17.4
1997	-6.4	n/a	n/a	n/a	n/a

Note: 1/ Tax collection for this category began in 1987.

n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-7

**GENERAL EXCISE & USE TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	6,071	6,169	6,004	6,081	24,325
1986	6,476	6,689	6,742	6,384	26,291
1987	7,063	7,035	7,050	7,163	28,311
1988	7,900	7,831	7,782	8,045	31,558
1989	8,875	8,802	8,823	9,276	35,776
1990	10,099	9,933	10,089	10,340	40,461
1991	11,532	10,125	11,285	10,190	43,132
1992	11,223	10,650	10,869	10,507	43,249
1993	11,177	11,596	11,014	10,500	44,287
1994	11,539	10,859	11,346	10,774	44,518
1995	11,876	11,012	11,448	11,241	45,577
1996	12,324	11,777	12,536	11,700	48,337
1997	11,977	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	4.5	2.0	1.5	4.6	3.1
1986	6.7	8.4	12.3	5.0	8.1
1987	9.1	5.2	4.6	12.2	7.7
1988	11.9	11.3	10.4	12.3	11.5
1989	12.3	12.4	13.4	15.3	13.4
1990	13.8	12.8	14.3	11.5	13.1
1991	14.2	1.9	11.9	-1.5	6.6
1992	-2.7	5.2	-3.7	3.1	0.3
1993	-0.4	8.9	1.3	-0.1	2.4
1994	3.2	-6.4	3.0	2.6	0.5
1995	2.9	1.4	0.9	4.3	2.4
1996	3.8	6.9	9.5	4.1	6.1
1997	-2.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-8  
**RETAILING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	2,148.0	2,102.0	2,137.0	2,112.0	8,499.0
1986	2,371.0	2,337.0	2,330.0	2,202.0	9,240.0
1987	2,393.0	2,277.0	2,374.0	2,405.0	9,449.0
1988	2,654.0	2,613.0	2,573.0	2,545.0	10,385.0
1989	3,017.0	2,814.0	2,884.0	2,893.0	11,608.0
1990	3,320.0	3,123.0	3,169.0	3,214.0	12,826.0
1991	3,659.0	3,068.0	3,525.0	3,146.0	13,398.0
1992	3,668.0	3,282.0	3,484.0	3,411.0	13,845.0
1993	3,617.0	3,395.0	3,594.0	3,370.0	13,976.0
1994	3,848.0	3,527.0	3,697.0	3,496.0	14,568.0
1995	3,932.0	3,576.0	3,846.0	3,697.0	15,051.0
1996	4,206.5	3,826.8	4,247.4	3,810.8	16,091.4
1997	4,027.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	5.6	2.7	7.8	3.1	4.8
1986	10.4	11.2	9.0	4.3	8.7
1987	0.9	-2.6	1.9	9.2	2.3
1988	10.9	14.8	8.4	5.8	9.9
1989	13.7	7.7	12.1	13.7	11.8
1990	10.0	11.0	9.9	11.1	10.5
1991	10.2	-1.8	11.2	-2.1	4.5
1992	0.2	7.0	-1.2	8.4	3.3
1993	-1.4	3.4	3.2	-1.2	0.9
1994	6.4	3.9	2.9	3.7	4.2
1995	2.2	1.4	4.0	5.7	3.3
1996	7.0	7.0	10.4	3.1	6.9
1997	-4.3	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-9  
**SERVICES TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	592.6	646.4	627.9	614.7	2,481.7
1986	660.3	703.9	714.2	705.9	2,784.2
1987	713.4	725.8	732.6	724.4	2,896.2
1988	774.0	837.2	813.6	862.9	3,287.7
1989	905.0	937.7	918.8	937.5	3,699.0
1990	1,020.6	1,106.7	1,061.9	1,087.6	4,276.9
1991	1,235.4	1,229.7	1,253.6	1,169.5	4,888.2
1992	1,260.6	1,279.8	1,284.8	1,207.5	5,032.7
1993	1,233.4	1,316.7	1,300.4	1,242.1	5,092.7
1994	1,359.6	1,300.7	1,413.4	1,197.2	5,270.8
1995	1,371.0	1,312.0	1,342.2	1,325.8	5,351.1
1996	1,372.4	1,433.6	1,480.3	1,331.7	5,618.0
1997	1,344.7	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	5.7	4.4	4.7	4.3	4.8
1986	11.4	8.9	13.7	14.8	12.2
1987	8.0	3.1	2.6	2.6	4.0
1988	8.5	15.4	11.1	19.1	13.5
1989	16.9	12.0	12.9	8.6	12.5
1990	12.8	18.0	15.6	16.0	15.6
1991	21.1	11.1	18.0	7.5	14.3
1992	2.0	4.1	2.5	3.3	3.0
1993	-2.2	2.9	1.2	2.9	1.2
1994	10.2	-1.2	8.7	-3.6	3.5
1995	0.8	0.9	-5.0	10.7	1.5
1996	0.1	9.3	10.3	0.4	5.0
1997	-2.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-10

**CONTRACTING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	257.7	311.7	364.4	434.0	1,367.7
1986	394.2	468.0	497.4	448.4	1,808.0
1987	450.9	484.5	521.3	546.4	2,003.1
1988	544.8	587.3	601.1	754.4	2,487.6
1989	640.6	757.8	795.7	918.6	3,112.8
1990	870.0	922.3	1,108.7	1,102.7	4,003.7
1991	1,126.1	1,043.7	1,164.5	999.7	4,334.1
1992	1,023.1	1,051.5	977.6	960.4	4,012.7
1993	964.9	960.8	965.2	912.7	3,803.6
1994	827.5	837.9	838.5	818.5	3,322.3
1995	776.6	760.6	751.3	845.1	3,133.5
1996	824.5	814.4	838.6	807.6	3,285.1
1997	674.0	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	-17.4	-13.8	13.7	74.5	10.0
1986	53.0	50.1	36.5	3.3	32.2
1987	14.4	3.5	4.8	21.8	10.8
1988	20.8	21.2	15.3	38.1	24.2
1989	17.6	29.0	32.4	21.8	25.1
1990	35.8	21.7	39.3	20.0	28.6
1991	29.4	13.2	5.0	-9.3	8.3
1992	-9.1	0.7	-16.0	-3.9	-7.4
1993	-5.7	-8.6	-1.3	-5.0	-5.2
1994	-14.2	-12.8	-13.1	-10.3	-12.7
1995	-6.2	-9.2	-10.4	3.2	-5.7
1996	6.2	7.1	11.6	-4.4	4.8
1997	-18.3	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-11

**HOTEL RENTAL TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	295.5	326.2	246.6	254.0	1,122.3
1986	275.5	359.9	297.8	279.5	1,212.8
1987	353.2	361.8	346.0	308.4	1,369.4
1988	400.6	361.7	328.3	318.2	1,408.9
1989	374.6	419.1	341.7	369.7	1,505.1
1990	419.8	417.0	377.2	359.0	1,573.0
1991	403.5	366.8	395.9	346.7	1,513.0
1992	409.1	424.2	406.8	381.6	1,621.8
1993	398.4	419.2	355.3	354.0	1,527.0
1994	436.8	417.7	421.3	390.6	1,666.4
1995	478.4	447.1	434.3	416.7	1,776.5
1996	518.0	518.2	548.1	473.5	2,057.8
1997	533.8	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	27.0	18.6	0.1	10.3	14.0
1986	-6.8	10.3	20.8	10.1	8.1
1987	28.2	0.5	16.2	10.3	12.9
1988	13.4	0.0	-5.1	3.2	2.9
1989	-6.5	15.9	4.1	16.2	6.8
1990	12.1	-0.5	10.4	-2.9	4.5
1991	-3.9	-12.0	5.0	-3.4	-3.8
1992	1.4	15.6	2.8	10.1	7.2
1993	-2.6	-1.2	-12.7	-7.2	-5.8
1994	9.6	-0.4	18.6	10.3	9.1
1995	9.5	7.0	3.1	6.7	6.6
1996	8.3	15.9	26.2	13.6	15.8
1997	3.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-12

**PRODUCING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	77.2	67.5	60.8	57.3	262.8
1986	64.6	61.8	63.8	60.9	251.0
1987	75.0	70.2	61.4	67.6	274.2
1988	81.3	74.3	71.9	70.7	298.3
1989	90.8	78.7	75.3	81.6	326.4
1990	87.6	79.8	69.5	80.4	317.3
1991	84.1	79.0	76.3	62.5	301.9
1992	127.5	93.7	87.7	99.8	408.7
1993	124.9	133.3	117.0	99.7	474.9
1994	127.7	118.5	116.2	104.7	467.2
1995	122.3	106.7	120.0	108.5	457.5
1996	124.2	124.1	108.9	121.8	479.0
1997	134.7	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	34.1	6.9	-4.0	-2.2	8.3
1986	-16.3	-8.6	4.8	6.3	-4.5
1987	16.2	13.8	-3.8	11.1	9.3
1988	8.5	5.8	17.2	4.5	8.8
1989	11.6	5.9	4.7	15.4	9.4
1990	-3.5	1.4	-7.7	-1.5	-2.8
1991	-4.0	-1.0	9.7	-22.3	-4.9
1992	51.5	18.6	14.9	59.7	35.4
1993	-2.0	42.2	33.5	-0.1	16.2
1994	2.3	-11.1	-0.6	5.0	-1.6
1995	-4.2	-10.0	3.3	3.6	-2.1
1996	1.5	16.3	-9.2	12.3	4.7
1997	8.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

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

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1985	88.0	80.9	107.7	78.9	355.4
1986	71.0	72.7	73.4	62.6	279.6
1987	88.8	72.2	78.5	78.3	317.8
1988	100.4	90.4	144.4	114.3	449.5
1989	101.8	168.2	97.1	110.1	477.1
1990	124.1	134.4	132.3	111.1	501.9
1991	108.2	120.2	121.3	96.3	446.0
1992	104.4	97.9	98.1	119.0	419.5
1993	113.0	128.3	94.5	101.0	436.7
1994	143.3	106.0	129.9	105.1	484.2
1995	130.6	117.2	109.2	104.2	461.2
1996	127.2	110.9	109.1	131.2	478.4
1997	153.9	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	-7.8	-9.1	46.5	-18.4	0.2
1986	-19.3	-10.1	-31.9	-20.7	-21.3
1987	25.1	-0.6	7.0	25.0	13.6
1988	13.0	25.2	84.0	46.1	41.5
1989	1.4	86.0	-32.8	-3.7	6.1
1990	21.9	-20.1	36.3	0.9	5.2
1991	-12.8	-10.5	-8.4	-13.3	-11.1
1992	-3.5	-18.6	-19.1	23.5	-6.0
1993	8.2	31.0	-3.7	-15.2	4.1
1994	26.8	-17.4	37.5	4.1	10.9
1995	-8.8	10.6	-15.9	-0.9	-4.8
1996	-2.6	-5.4	-0.2	26.0	3.7
1997	21.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

# TOURISM

Visitor arrivals and census fell in the first quarter of 1997 relative to the first quarter of 1996. However most of this decline can be attributed to the very rapid growth experienced in the first quarter of 1996.

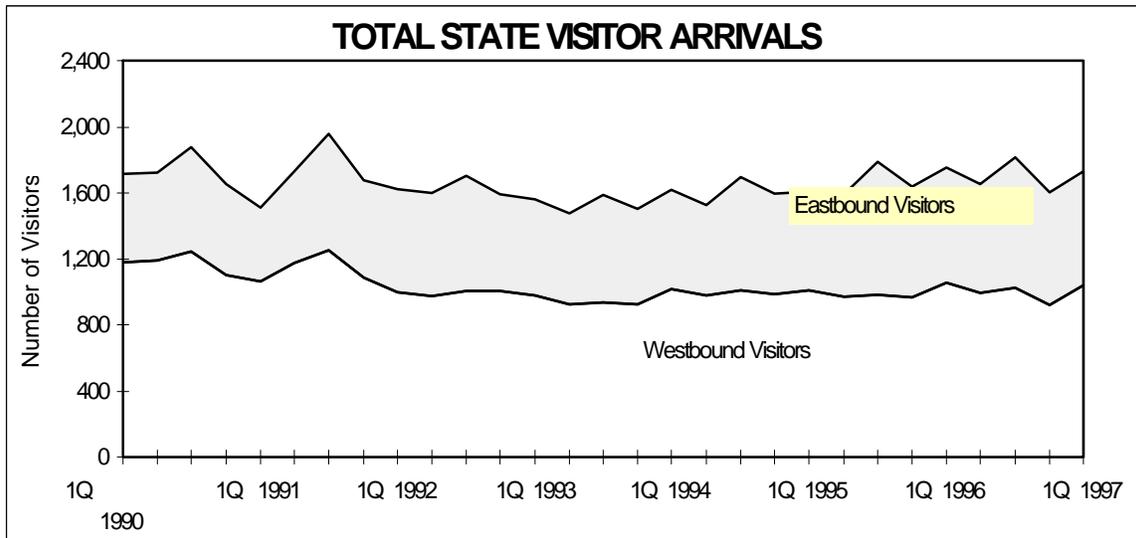
Total visitor arrivals fell 1.4 percent from the first quarter of 1996 to the first quarter of 1997 (table D-2). This can be compared with the 8.9 percent growth experienced in the first quarter of 1996 over the year earlier—a rate that had not been achieved since 1989.

Both westbound and eastbound visitor arrivals were lower in the first three months of 1997 than in the year-earlier period. Westbound arrivals fell 1.5 percent, while eastbound arrivals fell 1.1 per-

cent (table D-3 and D-4). However eastbound visitors had grown a remarkable 16.6 percent in the first quarter of 1996 over the year-earlier period.

The average hotel occupancy rate fell to 79.3 percent in the first quarter of 1997 from 82.1 percent in the first quarter of 1996 (table D-7). The fall in the occupancy rate again combined with an increase in the hotel rental tax base (table C-11) as in the fourth quarter of 1996. As suggested in the March 1997 issue of this publication, this combination may indicate that the rise in the tax base was due to increases in room rates.

More recent data indicate that both visitor arrivals and occupancy rates rose in April 1997 relative to April 1996.



Source: Research and Economic Analysis Division, DBEDT.

Table D-1  
**VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS**

Year	Visitors Staying Overnight or Longer			Average Number of Visitors Present Daily		
	Westbound	Eastbound	Total	Westbound	Eastbound	Total
1985	3,708,610	1,175,500	4,884,110	103,857	12,880	116,737
1986	4,256,390	1,350,590	5,606,980	118,152	14,800	132,952
1987	4,204,010	1,595,820	5,799,830	116,868	17,490	134,358
1988	4,264,730	1,877,690	6,142,420	115,739	25,650	141,389
1989	4,705,320	1,936,500	6,641,820	128,173	34,190	162,363
1990	4,719,730	2,251,450	6,971,180	125,626	36,441	162,067
1991	4,584,460	2,289,430	6,873,890	121,172	36,158	157,330
1992	3,980,120	2,533,760	6,513,880	113,806	39,526	153,332
1993	3,764,520	2,359,710	6,124,230	108,122	40,613	148,735
1994	3,997,820	2,432,480	6,430,300	115,281	43,966	159,247
1995	3,933,110	2,696,070	6,629,180	113,090	44,109	157,199
1996	3,991,640	2,831,490	6,823,130	114,161	44,682	158,843
1997 1 Qtr.	1,038,490	690,210	1,728,700	127,230	43,160	170,390
Percentage Change from the Same Period in Previous Year						
1985	-0.3	3.6	0.6	-2.3	3.9	-1.6
1986	14.8	14.9	14.8	13.8	14.9	13.9
1987	-1.2	18.2	3.4	-1.1	18.2	1.1
1988	1.4	17.7	5.9	-1.0	46.7	5.2
1989	10.3	3.1	8.1	10.7	33.3	14.8
1990	0.3	16.3	5.0	-2.0	6.6	-0.2
1991	-2.9	1.7	-1.4	-3.5	-0.8	-2.9
1992	-13.2	10.7	-5.2	-6.1	9.3	-2.5
1993	-5.4	-6.9	-6.0	-5.0	2.8	-3.0
1994	6.2	3.1	5.0	6.6	8.3	7.1
1995	-1.6	10.8	3.1	-1.9	0.3	-1.3
1996	1.5	5.0	1/ 2.9	0.9	1.3	1.1
1997 1 Qtr.	-1.5	-1.1	1/ -1.4	-0.8	-7.0	-2.5

1/ The percentage growth rate differs from the percentage growth rate shown in Table 1. For Table 1, the growth rate was based on preliminary data for 1995, 1996, and 1997. The main reason was that Table 1 has to be consistent with Tables 2-5 (counties). Final 1995 county visitor data are still pending.

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

Table D-2

**TOTAL VISITOR ARRIVALS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
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	1,752.9	1,650.2	1,814.2	1,605.9	6,823.1
1997	1,728.7	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
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	5.7	2.8	3.1
1996	8.9	3.6	1.4	-2.0	2.9
1997	-1.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-3  
**WESTBOUND VISITORS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1985	1,011.8	840.2	957.8	898.9	3,708.6
1986	1,087.6	1,094.3	1,073.1	1,001.4	4,256.4
1987	1,084.1	999.9	1,102.4	1,017.6	4,204.0
1988	1,047.4	1,028.8	1,088.1	1,100.4	4,264.7
1989	1,198.6	1,145.6	1,213.7	1,147.4	4,705.3
1990	1,179.4	1,189.3	1,245.3	1,105.7	4,719.7
1991	1,066.9	1,175.7	1,255.0	1,087.0	4,584.5
1992	995.8	976.5	1,004.6	1,003.3	3,980.1
1993	979.8	924.5	937.1	923.1	3,764.5
1994	1,019.3	979.1	1,009.8	989.6	3,997.8
1995	1,010.7	971.4	985.0	966.1	3,933.1
1996	1,054.8	991.4	1,025.8	919.7	3,991.6
1997	1,038.5	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	6.0	-9.0	3.8	-2.4	-0.3
1986	7.5	30.2	12.0	11.4	14.8
1987	-0.3	-8.6	2.7	1.6	-1.2
1988	-3.4	2.9	-1.3	8.1	1.4
1989	14.4	11.4	11.5	4.3	10.3
1990	-1.6	3.8	2.6	-3.6	0.3
1991	-9.5	-1.1	0.8	-1.7	-2.9
1992	-6.7	-16.9	-19.9	-7.7	-13.2
1993	-1.6	-5.3	-6.7	-8.0	-5.4
1994	4.0	5.9	7.8	7.2	6.2
1995	-0.8	-0.8	-2.5	-2.4	-1.6
1996	4.4	2.1	4.1	-4.8	1.5
1997	-1.5	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-4  
**EASTBOUND VISITORS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
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	698.2	658.8	788.4	686.2	2,831.5
1997	690.2	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
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	16.6	6.0	-1.9	2.1	5.0
1997	-1.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

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

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1990	168.4	155.4	170.2	154.4	162.1
1991	150.0	161.2	171.4	146.7	157.3
1992	160.9	146.1	155.0	151.3	153.3
1993	157.5	137.7	151.8	148.0	148.7
1994	174.6	143.5	157.4	161.4	159.2
1995	166.4	146.8	160.2	155.4	157.2
1996	174.7	148.9	159.2	152.6	158.8
1997	170.4	n/a	n/a	n/a	n/a
Average Daily Westbound Visitors					
1990	132.9	122.4	127.7	119.5	125.6
1991	119.4	127.2	127.4	110.8	121.2
1992	123.1	108.4	110.0	113.7	113.8
1993	119.9	101.8	103.2	107.6	108.1
1994	127.6	106.3	109.7	117.6	115.3
1995	124.4	106.4	107.8	113.8	113.1
1996	128.3	107.5	110.5	110.4	114.2
1997	127.2	n/a	n/a	n/a	n/a
Average Daily Eastbound Visitors					
1990	35.4	33.0	42.5	34.9	36.4
1991	30.6	34.1	44.0	35.9	36.2
1992	37.7	37.7	45.1	37.6	39.5
1993	37.6	35.9	48.6	40.4	40.6
1994	47.0	37.2	47.7	43.9	44.0
1995	42.0	40.4	52.4	41.6	44.1
1996	46.4	41.3	48.8	42.2	44.7
1997	43.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-6

**AVERAGE DAILY VISITOR CENSUS**

(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>Total Daily Visitors</b>					
1991	-10.9	3.8	0.7	-4.9	-2.9
1992	7.3	-9.4	-9.5	3.1	-2.5
1993	-2.1	-5.8	-2.1	-2.2	-3.0
1994	10.9	4.2	3.7	9.1	7.1
1995	-4.7	2.3	1.7	-3.7	-0.6
1996	5.0	1.4	-0.6	-1.8	1.1
1997	-2.5	n/a	n/a	n/a	n/a
<b>Average Daily Westbound Visitors</b>					
1991	-10.2	3.9	-0.3	-7.2	-3.5
1992	3.2	-14.7	-13.7	2.6	-6.1
1993	-2.6	-6.1	-6.1	-5.4	-5.0
1994	6.4	4.4	6.3	9.3	6.6
1995	-2.5	0.1	-1.8	-3.2	-1.9
1996	3.1	1.0	2.5	-3.0	0.9
1997	-0.8	n/a	n/a	n/a	n/a
<b>Average Daily Eastbound Visitors</b>					
1991	-13.7	3.4	3.7	3.0	-0.8
1992	23.3	10.6	2.4	4.7	9.3
1993	-0.3	-4.8	7.8	7.4	2.8
1994	25.2	3.7	-1.8	8.6	8.3
1995	-10.7	8.6	9.9	-5.3	0.3
1996	10.5	2.3	-7.0	1.6	1.3
1997	-7.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-7  
**HOTEL OCCUPANCY RATE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Percentage					
1985	88.1	69.1	75.0	72.5	76.2
1986	87.0	78.8	79.9	76.8	80.6
1987	88.0	77.1	82.1	77.8	81.2
1988	81.7	75.1	81.3	75.1	78.3
1989	85.9	73.9	81.0	75.7	79.1
1990	83.9	75.5	81.0	74.3	78.7
1991	68.2	70.7	79.7	72.5	72.8
1992	75.3	68.6	75.5	75.2	73.6
1993	75.3	67.9	73.8	72.5	72.4
1994	80.9	72.7	79.1	74.8	76.9
1995	80.2	72.6	80.4	75.4	77.2
1996	82.1	72.5	78.5	71.0	76.0
1997	79.3	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: PKF-Hawaii.

# CONSTRUCTION

Private construction activity fell in the first quarter of 1997 relative to the first quarter of 1996, and authorization data indicate continued sluggishness. On the other hand, government capital improvement project expenditures rose dramatically.

The value of construction completed, measured by the value of the contracting tax base lagged one month, fell by 3.9 percent in the first quarter of 1997 relative to the first three months of 1996 (table E-2). This reversed the modest growth of 2.8 percent in this measure recorded for all of 1996.

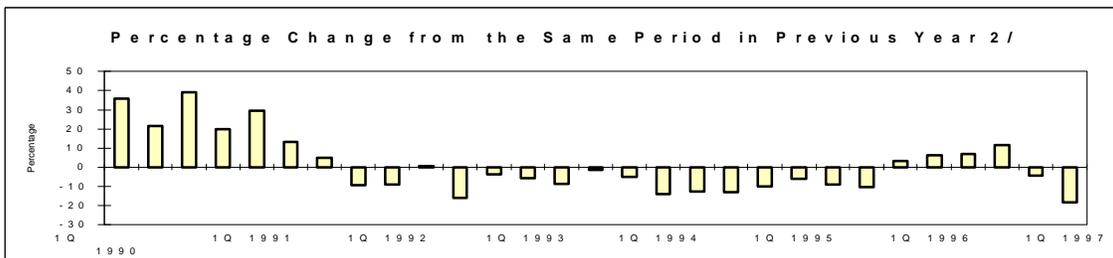
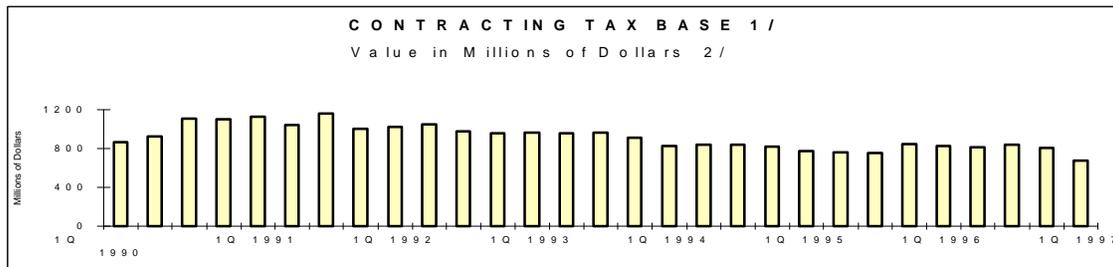
The value of private building authorizations, a measure of future construction activity, declined 6.8 percent in the first quarter relative to the year-earlier quarter (table E-2). Most of this decline occurred in residential authorizations.

The decline in the *value* of building authorizations was mirrored by declines in the *number* of authorized units. Authorized single family units fell by

38.9 percent and authorized multi-family units fell by 39.4 percent in the first quarter of 1997 relative to the first quarter of 1996 (tables E-3 and E-4).

By county, only Hawaii County saw an increase in private building authorizations in the first quarter (70.2 percent over the first quarter of 1996, table E-7). Both Honolulu and Kauai experienced declines in authorizations of 16.1 percent and 19.9 percent, respectively (Maui County data were unavailable).

In contrast to the decline in private construction activity, public construction expenditure increased in the first quarter. Government capital improvement project expenditures rose 54.0 percent from the first quarter of 1996 to the first three months of 1997 (table E-8). The bulk of this increase was financed through general obligation bonds. On the other hand, government contracts awarded posted a first quarter decline of 43.1 percent relative to the first quarter of 1996 (table E-2).



Notes: 1/ The Contracting Tax Base is attributed to every business engaging in the practice of architecture, engineering, land surveying, landscape architecture, and the practice of pest control or fumigation.  
 2/ Data corresponds to table C-10 (Contracting Tax Base).  
 Source: Research and Economic Analysis Division, DBEDT.

Table E-1

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

Year	Value of Construction Completed 1/	Private Building Authorization				Government Contracts Awarded
		Total Private Authorizations	Residential	Commercial and Industrial 2/	Additions and Alterations	
In Millions of Dollars						
1985	1,429.6	888.4	500.1	208.8	180.1	248.9
1986	1,802.1	1,025.2	455.5	267.4	302.3	422.7
1987	2,145.5	1,161.9	507.0	344.4	310.5	370.9
1988	2,529.0	1,546.5	689.2	541.2	316.1	665.0
1989	3,193.1	1,882.4	910.7	561.8	409.9	725.2
1990	4,121.6	2,101.8	952.3	698.0	451.5	825.5
1991	4,305.3	2,151.8	1,192.0	556.2	403.7	729.4
1992	3,950.4	1,751.9	811.1	532.3	408.5	1,159.1
1993	3,785.4	1,496.5	734.7	306.3	455.5	651.8
1994	3,317.3	1,612.9	849.3	370.3	393.4	693.0
1995	3,153.4	1,531.3	745.5	368.3	417.5	490.2
1996	3,241.5	1,117.8	487.0	252.8	378.0	885.5
1997 1Qtr.	772.1	227.2 3/	69.0 3/	65.8 3/	92.4 3/	181.8

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

2/ Includes hotels.

3/ Maui County data not included.

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

Table E-2

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

Year	Value of Construction Completed 1/	Private Building Authorization				Government Contracts Awarded
		Total Private Authorizations	Residential	Commercial and Industrial 2/	Additions and Alterations	
Percentage Change from the Same Period in Previous Year						
1985	16.5	52.8	52.6	100.8	20.1	-36.0
1986	26.1	15.4	-8.9	28.1	67.9	69.8
1987	19.1	13.3	11.3	28.8	2.7	-12.3
1988	17.9	33.1	35.9	57.1	1.8	79.3
1989	26.3	21.7	32.1	3.8	29.7	9.1
1990	29.1	11.7	4.6	24.2	10.1	13.8
1991	4.5	2.4	25.2	-20.3	-10.6	-11.6
1992	-8.2	-18.6	-32.0	-4.3	1.2	58.9
1993	-4.2	-14.6	-9.4	-42.5	11.5	-43.8
1994	-12.4	7.8	15.6	20.9	-13.6	6.3
1995	-4.9	-5.1	-12.2	-0.5	6.1	-29.3
1996	2.8	-27.0	-34.7	-31.4	-9.5	80.7
1997 1Qtr.	-3.9	-6.8 3/	-30.4 3/	-5.1 3/	22.9 3/	-43.1

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

2/ Includes hotels.

3/ Maui County data not included, percentage change was calculated by subtracting Maui figures from the 1996 figure.

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

Table E-3

**NUMBER OF SINGLE FAMILY UNITS AUTHORIZED**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1985	802	1,236	1,644	1,269	4,951
1986	925	1,226	1,354	1,195	4,700
1987	1,523	1,639	1,429	1,475	6,066
1988	1,323	1,767	2,096	1,114	6,290
1989	1,474	1,620	1,993	1,777	6,858
1990	1,922	1,476	1,132	1,472	6,002
1991	1,094	1,010	1,303	1,419	4,826
1992	1,317	1,058	1,388	816	4,576
1993	1,147	1,311	1,064	1,228	4,750
1994	961	963	1,426	1,226	4,576
1995	796	1,138	1,180	778	3,892
1996	756	630	880	540	2,806
1997	381 1/	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
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	-38.9 1/	n/a	n/a	n/a	n/a

Notes: n/a = not available.

1/ Maui County data not included, percentage change was calculated by subtracting the Maui figures from the 1996 figure.

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

Table E-4

**NUMBER OF MULTI-FAMILY UNITS AUTHORIZED**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1985	1,151	696	291	312	2,450
1986	1,247	299	509	424	2,479
1987	488	567	99	305	1,459
1988	428	702	528	935	2,593
1989	309	1,501	664	457	2,931
1990	495	690	349	1,138	2,672
1991	2,330	973	764	736	4,803
1992	520	484	1,219	517	2,740
1993	272	556	1,120	476	2,424
1994	427	974	630	774	2,805
1995	1,290	290	874	192	2,646
1996	220	108	469	312	1,109
1997	97 1/	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1786.9	110.3	117.2	-37.0	140.0
1986	8.3	-57.0	74.9	35.9	1.2
1987	-60.9	89.6	-80.6	-28.1	-41.1
1988	-12.3	23.8	433.3	206.6	77.7
1989	-27.8	113.8	25.8	-51.1	13.0
1990	60.2	-54.0	-47.4	149.0	-8.8
1991	370.7	41.0	118.9	-35.3	79.8
1992	-77.7	-50.3	59.6	-29.8	-43.0
1993	-47.7	14.9	-8.1	-7.9	-11.5
1994	57.0	75.2	-43.8	62.6	15.7
1995	202.1	-70.2	38.7	-75.2	-5.7
1996	-82.9	-62.8	-46.3	62.5	-58.1
1997	-39.4 1/	n/a	n/a	n/a	n/a

Notes: n/a = not available.

1/ Maui County data not included, percentage change was calculated by subtracting the Maui figures from the 1996 figure.

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

Table E-5

**HONOLULU CONSTRUCTION COST INDEX:  
1985-1997, SINGLE FAMILY RESIDENCE (Jan. 1992=100)**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1985	76.1	75.7	77.6	77.2	76.6
1986	78.5	78.1	79.1	81.5	79.3
1987	80.9	81.3	82.5	83.6	82.1
1988	86.7	85.4	86.6	88.0	86.7
1989	89.5	90.5	90.3	91.5	90.5
1990	91.6	92.5	97.3	99.0	95.1
1991	98.6	97.7	98.3	99.1	98.4
1992	101.5	102.7	103.1	103.3	102.7
1993	108.2	114.9	112.2	110.6	115.5
1994	118.4	124.3	121.6	120.5	121.2
1995	117.6	117.8	118.3	119.3	118.2
1996	120.7	122.5	129.3	129.6	125.5
1997	128.1	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1985	1.9	1.9	4.2	2.9	2.7
1986	3.2	3.2	1.9	5.6	3.5
1987	3.1	4.1	4.3	2.6	3.5
1988	7.2	5.0	5.0	5.3	5.6
1989	3.2	6.0	4.3	4.0	4.4
1990	2.3	2.2	7.8	8.2	5.1
1991	7.6	5.6	1.0	0.1	3.5
1992	2.9	5.1	4.9	4.2	4.4
1993	6.6	11.9	8.8	7.1	12.5
1994	9.4	8.2	8.4	9.0	4.9
1995	-0.7	-5.2	-2.7	-1.0	-2.4
1996	2.7	4.0	9.3	8.7	6.1
1997	6.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: First Hawaiian Bank.

Table E-6

**HONOLULU CONSTRUCTION COST INDEX:  
1985-1997, HIGH-RISE BUILDING (Jan. 1992=100)**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
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	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
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	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: First Hawaiian Bank.

Table E-7  
**ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION  
 AUTHORIZATIONS, BY COUNTY: 1985 TO 1997**

<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					
1985	888,436	524,823	121,345	63,889	178,933
1986	1,025,195	546,375	231,404	93,199	154,120
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	1,882,397	1,047,747	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	1,496,483	959,043	248,239	86,010	203,179
1994	1,612,899	1,073,264	181,059	164,681	193,894
1995	1,532,732	980,757	267,108	80,279	204,588
1996	1,117,760	698,697	171,017	101,981	146,065
1997 1 Qtr	227,227 1/	161,998	46,425	18,804	n/a

Notes: n/a = not available.

1/ Maui County data not included.

Source: County building permits.

Table E-7 (con.)  
**ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION  
 AUTHORIZATIONS, BY COUNTY: 1985 TO 1997**

<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					
1985	52.8	38.7	34.3	20.5	199.0
1986	15.4	4.1	90.7	45.9	-13.9
1987	13.3	37.2	-37.3	11.0	6.3
1988	33.1	-0.9	24.8	106.5	149.4
1989	21.7	41.0	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	-14.6	-9.6	-34.5	-22.6	1.1
1994	7.8	11.9	-27.1	91.5	-4.6
1995	-5.0	-8.6	47.5	-51.3	5.5
1996	-27.0	-28.8	-36.0	27.0	-28.6
1997 1 Qtr	-6.8 1/	-16.1	70.2	-19.9	n/a

Notes: n/a = not available.

1/ Maui County data not included, percentage change was calculated by subtracting the Maui figures from the 1996 figure.

Source: County building permits.

Table E-8

**STATE GOVERNMENT CAPITAL IMPROVEMENT PROJECT EXPENDITURES:  
1986 to 1996**

Year	Total Expenditures	General Obligation Bond 1/	Revenue Bond 2/	General Fund (Cash)	Special Fund	Federal Fund 3/
<i>In Thousands of Dollars</i>						
1986	n/a	159,320	92,491	n/a	n/a	n/a
1987	n/a	169,979	89,342	n/a	n/a	n/a
1988	n/a	150,460	60,572	n/a	n/a	n/a
1989	n/a	210,757	127,083	n/a	n/a	n/a
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
1 Qtr.	137,754	38,512	27,497	1,592	30,358	39,794
2 Qtr.	245,839	133,694	16,626	2,480	40,695	52,345
3 Qtr.	176,195	54,642	10,163	1,915	54,990	54,485
4 Qtr.	160,792	59,625	12,339	732	39,382	48,714
1997						
1 Qtr.	212,152	115,239	14,839	1,006	35,590	45,477
<i>Percentage Change From Corresponding Period in Previous Year</i>						
1987	n/a	6.7	-3.4	n/a	n/a	n/a
1988	n/a	-11.5	-32.2	n/a	n/a	n/a
1989	n/a	40.1	109.8	n/a	n/a	n/a
1990	n/a	17.9	190.0	n/a	n/a	n/a
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
1 Qtr.	-21.2	-41.0	139.8	-73.6	-28.5	-19.9
2 Qtr.	-15.9	-20.1	-4.5	-58.9	6.6	-17.4
3 Qtr.	5.2	11.1	-38.9	-55.3	17.7	7.4
4 Qtr.	-14.2	-1.5	-61.5	-78.0	-7.5	-0.5
1997						
1 Qtr.	54.0	199.2	-46.0	-36.8	17.2	14.3

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

n/a = not available.

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; special federal aid primary; special federal aid secondary and federal funds.

Source: Department of Accounting and General Services, Report 300S.

## TERMS AND DEFINITIONS

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

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

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

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

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

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

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

construction, repair, excavations, bridges, docks, and other heavy construction projects.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Retailing Tax Base** - includes the general excise tax base on retailing, the tax base on the use tax, and the tax base on the sales by blind vendors. Retail sales include sales for consumption or use by the purchaser and not for resale. The general excise tax at the retail level (4%) is sometimes loosely called a sales tax. However, it differs from a typical sales tax in two respects: (1) it is a tax on the gross income of the seller rather than a tax on the purchase price of the buyer; (2) the retail excise tax in Hawaii applies to all retail sales (both goods and services) whereas most Mainland sales taxes exempt some commodities like food and services.

**Services** - includes all activities engaged in for other persons for a consideration which involve the rendering

of a service as distinguished from the sale of tangible property or the production and sale of tangible property. Includes all professional services.

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

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

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

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

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

**Transient Accommodations Tax** - is a tax levied on the furnishing of a room, apartment, suite or the like which is customarily occupied by the transient for less than 180 consecutive days for each letting by a hotel, apartment, motel, horizontal property regime or cooperative apartment, rooming house, or other place in which lodgings are generally furnished to transients for consideration. The tax is imposed at the rate of 6%. The registration fee for transient accommodations operators is a one-time fee of \$5 for each registration consisting of 1 to 5 units and \$15 for 6 or more units.

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

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

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

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

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