

Section 21

CONSTRUCTION AND HOUSING

This section presents statistics on construction activity and costs, the size and composition of the housing inventory, occupancy of housing units and office buildings, home sales, and residential financing. Related series are included in Sections 6 and 14.

There were 24,700 building permits issued in 1994, with an estimated value of \$2.1 billion. The total included \$849 million for new private residential construction and \$370 million for private nonresidential structures. The value in 1992 of government construction contracts awarded was \$1.2 billion. Construction put in place, as indicated by the contracting tax base, totaled \$3.1 billion in 1995. The value of land conveyed in fiscal 1995 was \$6.5 billion. The construction cost index for Honolulu rose about 50 percent between 1985 and 1995.

The number of housing units in the State increased from 334,000 in 1980 to 390,000 in 1990 and 430,000 in 1995. Owner occupied units numbered 137,000 in 1980 and 181,000 in 1995; the latter total included 14,000 on leased land. Condominium units, first authorized in 1961, numbered 81,000 by 1990, and cooperative units, first built in 1956, totaled 2,800. Government-owned housing, mostly military and low-rent, accounted for 30,000 units as of 1995. The Oahu housing shortage has lessened in recent years; in 1994, the homeowner vacancy rate averaged 1.9 percent, and the rental vacancy rate was 6.9 percent. The median selling price of single-family homes on Oahu during 1995, based on Multiple Listing Service data, was \$349,000; for condominium units it was \$182,000. The median gross monthly rent for Oahu rose from \$271 in 1980 to \$599 in 1990, and the median value of owner occupied single-family units increased from \$118,100 to \$245,300.

The principal sources for these data are the U.S. Bureau of the Census, various series compiled by State and County agencies (primarily the Hawaii Housing Authority, Hawaii State Department of Business, Economic Development & Tourism, Department of Commerce and Consumer Affairs, Department of Taxation, and Bureau of Conveyances, and the four county building departments), the construction cost indexes prepared by the First Hawaiian Bank, and the Honolulu Board of Realtors reports on Multiple Listing Service activity. Many of these series are summarized in the Bank of Hawaii's *Construction in Hawaii*, issued annually. Persons interested in figures for earlier periods should consult *Historical Statistics of Hawaii*, Section 15. Mainland statistics appear in Section 25 of *Statistical Abstract of the United States: 1995*.

**Table 21.01-- NUMBER AND VALUE OF BUILDING PERMITS, BY COUNTIES:
1984 TO 1994**

Year	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
NUMBER ISSUED					
1984.....	20,582	14,404	2,834	1,437	1,907
1985.....	23,332	16,011	2,933	1,544	2,844
1986.....	21,461	14,237	2,717	1,486	3,021
1987.....	23,929	16,197	3,175	1,595	2,962
1988.....	24,032	14,956	3,597	1,904	3,575
1989.....	23,320	15,284	3,560	2,129	2,347
1990.....	27,689	17,123	4,720	2,312	3,534
1991.....	25,603	15,951	4,801	1,612	3,239
1992.....	25,329	16,944	4,222	1,143	3,020
1993.....	24,842	17,277	4,145	1,385	2,035
1994.....	<u>1/</u> 24,699	16,886	4,302	1,701	<u>1/</u> 1,810
ESTIMATED VALUE (\$1,000)					
1984.....	710,661	473,943	102,805	74,076	59,837
1985.....	990,879	619,689	132,735	59,522	178,933
1986.....	1,161,489	674,057	231,997	101,315	154,120
1987.....	1,268,927	836,328	146,035	109,574	176,990
1988.....	1,788,983	926,901	181,929	220,245	459,909
1989.....	1,996,299	1,205,519	362,220	190,907	237,653
1990.....	2,358,147	1,169,286	493,788	261,157	433,916
1991.....	2,379,164	1,627,325	402,789	149,741	199,309
1992.....	2,155,141	1,381,420	419,600	119,997	234,124
1993.....	1,806,212	1,249,882	248,236	104,917	203,177
1994.....	<u>1/</u> 2,054,430	1,423,850	270,689	165,996	<u>1/</u> 193,895

1/ Preliminary.

Source: City and County of Honolulu Department of Buildings, *Summary of Building Permits (annual)*; Hawaii, Kauai, and Maui County departments of public works, records; F.W. Dodge Division, McGraw-Hill Information Systems Co., records.

**Table 21.02-- VALUE OF BUILDING PERMITS, BY TYPE, BY COUNTIES:
1992 TO 1994**

[In thousands of dollars]

Category	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1992 <u>1/</u>					
Total	1,728,507	1,060,700	379,158	87,733	200,916
Residential	792,565	486,663	154,590	57,356	93,956
Hotel	113,230	-	113,230	-	-
Non-residential	416,246	267,761	70,486	21,723	56,277
Additions and alterations	406,464	306,277	40,851	8,654	50,682
1993 <u>2/</u>					
Total	1,496,485	959,042	248,236	86,032	203,177
Residential	734,720	432,030	155,523	58,975	88,191
Hotel	13	13	-	-	-
Non-residential	306,298	202,926	43,786	13,346	46,241
Additions and alterations	455,454	324,071	48,928	13,710	68,745
1994 <u>3/</u>					
Total	1,612,899	1,073,264	181,059	164,681	193,894
Residential	849,252	530,123	96,611	116,973	105,544
Hotel	-	-	-	-	-
Non-residential	370,284	240,753	56,260	32,376	40,895
Additions and alterations	393,363	302,388	28,188	15,332	47,454

1/ Excludes Kauai County data from September-December 1992, which were not available.

2/ Revised.

3/ State and Maui data are preliminary.

Source: Calculated by Hawaii State Department of Business, Economic Development & Tourism from "Monthly Cooperative Report of Local Construction" submitted to F.W. Dodge Division, McGraw-Hill Information Systems Company by each county.

Table 21.03-- ESTIMATED VALUE PER HOUSING UNIT, BY TYPE OF STRUCTURE, FOR BUILDING PERMITS ISSUED BY THE CITY AND COUNTY OF HONOLULU: 1989 TO 1994

[In dollars. Excludes building permits for additions, alterations and repair]

Type of structure	1989	1990	1991	1992	1993	1994
One-family	109,519	144,090	168,666	135,278	146,639	145,044
Two-family	84,415	133,905	173,586	152,278	143,210	152,011
Multi-family	100,462	68,363	155,223	88,251	77,506	75,413

Source: City and County of Honolulu Building Department, "Summary of Building Permits" (annual tabular release).

Table 21.04-- GENERAL EXCISE TAX BASE FOR CONTRACTING: 1985 TO 1995

[In thousands of dollars. Data are on a cash basis accounting]

Year <u>1</u> /	Amount	Year <u>1</u> /	Amount	Year <u>1</u> /	Amount
1985	1,367,733	1989	3,112,846	1993	3,803,607
1986	1,808,024	1990	4,003,650	1994	3,322,339
1987	2,003,056	1991	4,334,051	1995	3,133,510
1988	2,487,571	1992	4,012,688		

1/ Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to income received in the 12-month period ended November 30.

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

**Table 21.05-- SUMMARY STATISTICS FOR CONSTRUCTION INDUSTRIES
AND SUBDIVIDERS AND DEVELOPERS: 1972 TO 1987**

[Excludes establishments without payroll]

Subject	1972	1977	1982	1987
Number of establishments in business during year	1,570	1,732	1,861	1,891
Proprietors and working partners	590	530	396	456
All employees.....	25,012	20,792	18,665	21,706
Construction workers, average.....	20,163	15,784	13,953	16,582
Other employees, March.....	4,949	5,032	4,711	4,861
Payroll (\$1,000,000)	282.6	323.4	409.7	606.9
Value of business done (\$1,000,000) ..	1,085.5	1,435.2	1,853.3	2,963.1
Value added (\$1,000,000)	477.5	636.2	855.2	1,288.7

Source: U.S. Bureau of the Census, *1987 Census of Construction Industries, Pacific States*, CC87-A-9 (July 1990), Hawaii table 4.

**Table 21.06-- GENERAL STATISTICS FOR CONSTRUCTION INDUSTRIES
AND SUBDIVIDERS AND DEVELOPERS, BY GEOGRAPHIC AREA: 1987**

[Excludes establishments without payroll]

Subject	State total	Oahu	Other islands
Number of establishments in business during year	1,891	1,284	607
All employees, average	21,706	17,851	3,855
Payroll, all employees (mil. dol.).....	606.9	525.2	81.7
Value of construction work (mil. dol.)	2,849.8	2,441.6	408.2
Net value of construction work (mil. dol.)	1,958.3	1,647.9	310.4
Value added (mil. dol.)	1,288.7	1,082.9	205.9
Cost of materials, components, supplies, and fuels (mil. dol.)	759.0	635.3	123.7
Cost of construction work subcontracted to others (mil. dol.).....	891.5	793.7	97.8
Capital expend. other than land (mil. dol.)	44.6	36.1	8.4

Source: U.S. Bureau of the Census, *1987 Census of Construction Industries, Pacific States*, CC87-A-9 (July 1990), Hawaii tables 3 and 12.

**Table 21.07-- PRIVATE RESIDENTIAL CONSTRUCTION AND DEMOLITION
AUTHORIZED BY PERMITS, BY COUNTIES: 1989 TO 1994**

Category and year authorized	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui <u>1/</u>
New 1-family dwellings:						
1989	6,846	2,026	4,820	2,782	856	1,182
1990	5,529	1,593	3,936	2,023	845	1,068
1991	4,634	1,202	3,432	2,309	471	652
1992	4,477	1,803	2,674	1,501	425	748
1993	4,586	1,913	2,673	1,539	474	660
1994	4,419	2,439	1,980	858	433	689
New duplex units:						
1989	219	124	95	63	12	20
1990	260	136	124	50	14	60
1991	147	48	99	44	12	43
1992	168	96	72	22	30	20
1993	136	62	74	26	4	44
1994	141	80	61	16	15	30
New apartments:						
1989	2,618	1,852	766	59	5	702
1990	2,862	1,210	1,652	580	324	748
1991	5,031	3,473	1,558	565	6	987
1992	3,090	2,356	734	449	125	160
1993	2,576	2,146	430	152	110	168
1994	2,907	2,206	701	76	223	402
Units demolished: <u>2/</u>						
1989	864	690	174	96	4	74
1990	1,073	944	129	54	22	53
1991	875	779	96	39	6	51
1992	728	598	130	55	11	64
1993	631	547	84	51	33	(NA)
1994	643	553	90	67	23	(NA)

NA Not available.

1/ Preliminary data for 1994.

2/ Excludes units destroyed by fire, volcanic activity, high winds, and other disasters.

Source: Compiled from County building departments by the Hawaii State Department of Business, Economic Development & Tourism.

Table 21.08-- HONOLULU CONSTRUCTION COST INDEXES: 1985 TO 1995

[January 1992=100. Data are annual averages unless otherwise specified. Reindexed in 1992]

Year	Single-family residence			High-rise building		
	All components	Materials prices	Labor <u>1/</u>	All components	Materials prices	Labor <u>1/</u>
1985.....	76.6	76.4	77.0	76.2	76.9	75.6
1986.....	79.3	79.0	79.8	78.4	78.4	78.3
1987.....	82.1	82.0	82.2	81.0	81.3	80.5
1988.....	86.7	88.3	84.8	84.6	86.1	83.1
1989.....	90.5	90.9	90.0	89.4	89.7	88.8
1990.....	95.1	96.2	93.9	95.4	98.0	92.9
1991.....	98.4	99.5	97.2	99.2	101.6	97.1
1992.....	102.7	103.8	101.4	99.4	97.1	101.5
1993.....	111.5	116.0	106.2	103.9	100.7	106.8
1994.....	121.2	129.4	111.7	109.9	107.0	112.5
1995 <u>2/</u>	118.1	120.5	115.4	114.2	112.0	116.0

1/ Wages and benefits.

2/ July data.

Source: First Hawaiian Bank, Research Department, records.

Table 21.09-- CONDOMINIUM PROJECTS REGISTERED WITH THE STATE OF HAWAII: 1990 TO 1994

Subject	Calendar years			Fiscal years ended June 30	
	1990	1991 <u>1/</u>	1992	1993	1994
Projects.....	201	200	204	238	235
Individual units.....	4,301	3,759	2,107	2,439	3,171

1/ Revised from *Data Book 1993-1994*, table 21.9.

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Commission, records.

**Table 21.10-- HOUSING UNITS CONVERTED FROM RENTAL UNITS TO
CONDOMINIUM UNITS: 1963 TO 1994**

Subject	Calendar years				Fiscal years ended June 30	
	1963- 1989	1990	1991 ^{1/}	1992	1993	1994
Projects.....	460	80	77	107	118	131
Housing units.....	12,892	545	183	770	759	594

^{1/} Revised from *Data Book 1993-1994*, table 21.10.

Source: 1963-1980 compiled by Real Estate Research Center, College of Business Administration, University of Hawaii, from the records of the Hawaii Real Estate Commission; 1981 and later years from Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Real Estate Commission, records.

**Table 21.11-- TIME SHARE PROPERTIES AND UNITS, BY GEOGRAPHIC
AREAS: FEBRUARY 7, 1994**

[Time sharing refers to the use, occupancy, or possession of accommodations among various persons for less than 60 days in any year, for any occupant]

Subject	State total	Oahu		Hawaii	Kauai	Maui	Molokai
		Waikiki	Other Oahu				
Properties.....	79	17	3	9	20	29	1
Units.....	4,163	1,642	182	225	1,220	877	17

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, Time Sharing Office, records.

**Table 21.12-- TENURE AND CONTROL OF HOUSING UNITS: ANNUALLY,
1980 TO 1995**

[Data include some condominium units occupied or intended for occupancy by nonresidents]

Year	All housing units <u>1/</u>	Owner occupied units <u>2/</u>		Renter occupied and vacant units		
		Land owned	Land leased	Private <u>3/</u>	Federal <u>1/</u>	State and County <u>1/</u>
1980.....	334,235	100,478	36,986	170,963	19,437	6,371
1981.....	341,764	104,677	37,413	173,644	19,427	6,603
1982.....	346,726	106,147	37,372	177,325	19,392	6,490
1983.....	349,996	108,761	35,586	179,831	19,304	6,514
1984.....	354,484	111,767	35,545	181,034	19,294	6,844
1985.....	358,581	114,548	35,681	182,050	19,280	7,022
1986.....	363,416	117,090	35,811	184,343	19,264	6,908
1987.....	369,425	121,019	35,959	186,109	19,265	7,073
1988.....	375,434	126,563	33,579	188,851	19,394	7,047
1989.....	382,052	132,691	30,996	191,657	19,421	7,287
1990.....	389,810	138,520	29,047	195,601	19,245	7,397
1991.....	398,325	141,846	26,915	202,266	19,358	7,940
1992.....	407,606	146,631	24,599	208,226	19,697	8,453
1993.....	413,830	152,147	20,393	213,140	(NA)	(NA)
1994.....	420,748	159,527	17,308	215,763	(NA)	(NA)
1995.....	430,417	166,953	14,037	218,981	21,069	9,377

NA Not available.

1/ As of April 1.

2/ As indicated by the number of taxpayers claiming home exemptions as of January 1. The number of owner occupied housing units reported by the U.S. Census of Housing is somewhat higher than the corresponding number based on taxpayer home exemptions, chiefly because of differences in definitions.

3/ Calculated as a residual after accounting for the known components, some of which pertain to dates other than April 1, and thus not attributable to any specific date.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Housing Unit Estimates for Hawaii, 1980-1995* (in preparation).

**Table 21.13--HOUSING UNITS STANDING, BY COUNTIES: ANNUALLY,
1980 TO 1995**

[As of April 1. Data include some condominium units occupied or intended for occupancy by nonresidents]

Year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui <u>1/</u>
1980	334,235	252,038	82,197	34,215	14,828	33,154
1981	341,764	254,815	86,949	36,041	16,021	34,887
1982	346,726	256,689	90,037	37,453	16,476	36,108
1983	349,996	259,149	90,847	38,264	16,044	36,539
1984	354,484	262,337	92,147	39,164	16,318	36,665
1985	358,581	265,412	93,169	40,054	16,428	36,687
1986	363,416	268,551	94,865	41,006	16,556	37,303
1987	369,425	272,134	97,291	42,022	16,690	38,579
1988	375,434	275,520	99,914	43,397	16,871	39,646
1989	382,052	278,191	103,861	45,520	17,173	41,168
1990	389,810	281,683	108,127	48,253	17,613	42,261
1991	398,325	284,835	113,490	50,579	18,649	44,262
1992	407,606	288,805	118,801	53,421	19,439	45,941
1993	413,830	293,020	120,810	55,396	18,195	47,219
1994	420,748	296,699	124,049	57,204	18,758	48,087
1995	430,417	303,653	126,764	58,143	19,470	49,151

1/ Including Kalawao County.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Housing Unit Estimates for Hawaii, 1980 - 1995* (in preparation).

**Table 21.14-- TENURE AND CONTROL OF HOUSING, BY COUNTIES:
1993, 1994, AND 1995**

[Some condominium units occupied by nonresidents are included in these estimates]

Year and county	All housing units <u>1/</u>	Owner occupied units <u>2/</u>		Renter occupied and vacant units		
		Land owned	Land leased	Private <u>3/</u>	Federal <u>1/</u>	State and County <u>1/</u>
1993						
State total	413,830	152,147	20,393	213,140	19,697	8,453
City & Co. of Hon.	293,020	104,570	18,642	143,856	19,618	6,334
County of Hawaii	55,396	23,155	645	30,420	8	1,168
County of Kauai.....	18,195	8,697	399	8,702	65	332
County of Maui <u>4/</u>	47,219	15,725	707	30,162	6	619
1994						
State total	420,748	159,527	17,308	215,763	19,697	8,453
City & Co. of Hon.	296,699	109,915	15,614	145,218	19,618	6,334
County of Hawaii	57,204	24,121	647	31,260	8	1,168
County of Kauai.....	18,758	9,019	328	9,014	65	332
County of Maui <u>4/</u>	48,087	16,472	719	30,271	6	619
1995						
State total	430,417	166,953	14,037	218,981,	21,069	9,377
City & Co. of Hon.	303,653	115,217	12,279	148,110	20,977	7,070
County of Hawaii	58,143	25,131	652	31,161	8	1,191
County of Kauai.....	19,470	9,363	388	9,204	78	437
County of Maui <u>4/</u>	49,151	17,242	718	30,506	6	679

1/ As of April 1. Governmental units for 1993 and 1994 are based on 1992 data.

2/ As of January 1. Based on the number of taxpayers claiming home exemptions, rather than on the census tabulations on tenure.

3/ Calculated as a residual and not attributable to any specific month.

4/ Includes Kalawao County (95 units in 1995).

Source: Hawaii State Department of Business, Economic Development & Tourism, *Housing Unit Estimates for Hawaii, 1980-1995* (in preparation).

**Table 21.15-- OWNER-OCCUPIED HOUSING UNITS, BY COUNTIES:
1990 TO 1995**

[As of January 1. Based on number of taxpayers claiming home exemptions]

Tenure and county	1990 ^{1/}	1991	1992	1993	1994	1995
TOTAL OWNER OCCUPIED						
State total.....	167,567	168,761	171,230	172,540	176,835	180,990
Honolulu	122,802	122,555	123,082	123,212	125,529	127,496
Maui	14,951	15,398	15,970	16,432	17,191	17,960
Hawaii	21,752	22,388	23,336	23,800	24,768	25,783
Kauai.....	8,062	8,420	8,842	9,096	9,347	9,751
FEE SIMPLE						
State total.....	138,520	141,846	146,631	152,147	159,527	166,953
Honolulu	96,304	98,271	101,036	104,570	109,915	115,217
Maui	14,036	14,429	14,971	15,725	16,472	17,242
Hawaii	20,475	21,101	22,169	23,155	24,121	25,131
Kauai.....	7,705	8,045	8,455	8,697	9,019	9,363
LEASEHOLD						
State total.....	29,047	26,915	24,599	20,393	17,308	14,037
Honolulu	26,498	24,284	22,046	18,642	15,614	12,279
Maui	915	969	999	707	719	718
Hawaii	1,277	1,287	1,167	645	647	652
Kauai.....	357	375	387	399	328	388

^{1/} For a comparison of 1990 and earlier data on owner occupancy from the Census of Housing, see DBEDT's Statistical Report 223, "Housing Unit Estimates for Hawaii, 1980-1991" (January 1992), table 9.

Source: City and County of Honolulu, Department of Finance, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, State of Hawaii* (annual).

**Table 21.16-- RESIDENT AND NONRESIDENT HOUSING UNITS,
BY COUNTIES: ANNUALLY, 1984 TO 1994**

Category and year	State total	City and County of Honolulu	Other counties			
			Total	Hawaii	Kauai	Maui <u>1/</u>
RESIDENT <u>2/</u>						
1984.....	336,882	255,450	81,432	37,262	14,720	29,450
1985.....	336,777	256,396	80,381	37,775	14,352	28,254
1986.....	340,417	258,713	81,704	38,954	13,982	28,768
1987.....	347,529	262,898	84,631	39,920	14,059	30,652
1988.....	354,314	267,885	86,429	41,043	14,016	31,370
1989.....	362,912	272,272	90,640	43,502	14,139	32,999
1990.....	370,682	276,618	94,064	46,138	15,047	32,879
1991.....	378,438	280,167	98,271	48,178	16,114	33,979
1992.....	384,961	280,672	104,289	51,087	16,752	36,450
1993.....	392,749	285,200	107,549	53,176	16,526	37,847
1994.....	399,501	289,864	109,637	54,721	15,878	39,038
NONRESIDENT <u>3/</u>						
1984.....	17,602	6,887	10,715	1,902	1,598	7,215
1985.....	21,804	9,016	12,788	2,279	2,076	8,433
1986.....	22,999	9,838	13,161	2,052	2,574	8,535
1987.....	21,896	9,236	12,660	2,102	2,631	7,927
1988.....	21,120	7,635	13,485	2,354	2,855	8,276
1989.....	19,140	5,919	13,221	2,018	3,034	8,169
1990.....	19,128	5,065	14,063	2,115	2,566	9,382
1991.....	19,887	4,668	15,219	2,401	2,535	10,283
1992.....	22,645	8,133	14,512	2,334	2,687	9,491
1993.....	21,081	7,820	13,261	2,220	1,669	9,372
1994.....	21,247	6,835	14,412	2,483	2,880	9,049

1/ Includes Kalawao.

2/ Estimated as of April 1. Includes all housing units other than condominium units in rental pools and intended for transient occupancy.

3/ Condominium units in rental pools and intended for transient occupancy, based on survey data from the Hawaii Visitors Bureau. Includes condo/hotel units.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Housing Unit Estimates for Hawaii, 1980-1995* (in preparation), and Hawaii Visitors Bureau, *Visitor Plant Inventory Report* (annual).

**Table 21.17-- SELECTED HOUSING CHARACTERISTICS, BY COUNTIES:
1990**

[Data include some condominium units used or intended for use by transients]

Subject	State total 1/	Hono-lulu	Hawaii	Kauai	Maui
ALL HOUSING UNITS					
All housing units.....	389,810	281,683	48,253	17,613	42,160
Units in structure:					
1 unit, detached	202,990	126,553	36,622	13,934	25,781
1 unit, attached	34,041	28,914	1,399	1,158	2,569
2 to 4 units.....	24,182	19,384	2,150	1,053	1,595
5 to 9 units.....	22,258	18,285	1,642	446	1,885
10 or more units.....	100,238	84,378	5,561	647	9,652
Mobile home, boat, other	6,101	4,169	879	375	678
Mean number of rooms	4.4	4.4	4.6	4.6	4.2
OCCUPIED HOUSING UNITS					
Total	356,267	265,304	41,461	16,295	33,145
With 1.01 or more persons per room	56,708	43,526	5,155	2,613	5,411
VACANT HOUSING UNITS					
Total	33,543	16,379	6,792	1,318	9,015
For seasonal, recreational, or occasional use	12,806	4,462	2,045	333	5,944
Homeowner vacancy rate	0.8	0.6	1.5	0.7	1.5
Rental vacancy rate.....	5.4	4.3	10.3	4.3	9.9
OWNER-OCCUPIED HOUSING UNITS					
Total	191,911	137,910	25,336	9,582	19,083
1 unit, detached or attached.....	153,596	103,716	24,063	9,042	16,775
Percent of all occupied units.....	53.9	52.0	61.1	58.8	57.6
Persons per unit	3.19	3.23	2.93	3.28	3.23
Mean number of rooms	5.2	5.3	5.2	5.2	5.0

Continued on next page

**Table 21.17-- SELECTED HOUSING CHARACTERISTICS, BY COUNTIES:
1990 -- Con.**

Subject	State total <u>1/</u>	Hono- lulu	Hawaii	Kauai	Maui
VALUE OF SPECIFIED OWNER- OCCUPIED HOUSING UNITS <u>2/</u>					
Total	144,431	98,541	21,910	8,414	15,566
Less than \$100,000.....	16,450	4,056	9,414	1,164	1,816
\$100,000 to \$199,999	37,825	19,781	8,159	4,028	5,857
\$200,000 to \$299,999	39,679	30,702	2,500	1,854	4,623
\$300,000 or more	50,477	44,002	1,837	1,368	3,270
Lower quartile (dollars)	156,800	202,700	77,000	122,000	141,500
Median (dollars).....	245,300	283,600	113,000	171,500	202,100
Upper quartile (dollars).....	358,800	391,500	176,400	254,800	284,300
RENTER-OCCUPIED HOUSING UNITS					
Total	164,356	127,394	16,125	6,713	14,062
1 unit, detached or attached.....	71,634	47,233	9,877	5,039	9,423
Persons per unit	2.78	2.80	2.76	2.85	2.66
Mean number of rooms	3.7	3.6	3.8	3.9	3.6
CONTRACT RENT OF SPECIFIED RENTER-OCCUPIED UNITS <u>3/</u>					
Total	139,266	107,256	13,941	5,822	12,243
Less than \$250	15,119	9,653	2,841	1,253	1,368
\$250 to \$499.....	36,779	27,231	5,797	1,392	2,359
\$500 to \$749.....	43,763	35,258	3,154	1,473	3,878
\$750 to \$999.....	25,164	20,019	1,414	1,092	2,639
\$1,000 or more	18,441	15,095	735	612	1,999
Lower quartile (dollars)	401	423	288	301	434
Median (dollars).....	599	615	428	532	658
Upper quartile (dollars).....	837	854	626	807	899

1/ Includes Kalawao County (101 housing units), not shown separately.

2/ House and lot. Data limited to one-family houses on less than 10 acres without a business or medical office on the property.

3/ Excludes one-family houses on 10 acres or more.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Summary Population and Housing Characteristics, Hawaii*, 1990 CPH-1-13 (August 1991), tables 8, 10, and 12.

Table 21.18-- SUMMARY HOUSING CHARACTERISTICS, BY COUNTIES: 1990

[Data include some condominium units used or intended for use by transients]

Characteristic	State total <u>1/</u>	Hawaii	Honolulu	Kauai	Maui
All housing units	389,810	48,253	281,683	17,613	42,160
Percent--					
Structure built 1980-1990	20.8	35.1	15.9	32.3	32.5
Structure built before 1940	6.7	10.8	5.8	10.2	6.5
Under 2 bedrooms	26.1	19.5	27.4	15.7	29.2
4 or more bedrooms	13.4	10.5	14.7	10.2	9.2
Condominium	20.8	8.1	23.5	5.1	23.8
Lacking complete plumbing	1.1	3.6	0.6	1.3	1.2
With public sewer	80.2	27.8	93.6	30.9	72.2
Lacking complete kitchen facilities	1.6	3.4	1.3	1.8	1.4
All occupied units	356,267	41,461	265,304	16,295	33,145
Percent with no telephone in unit	2.6	5.5	2.1	3.0	3.2
Owner-occupied units	191,894	25,336	137,893	9,582	19,083
Percent householder moved into unit-					
1989 to March 1990	9.7	11.1	9.2	9.6	10.9
Before 1970	29.1	24.0	30.7	27.8	25.2
With a mortgage	102,601	12,968	73,972	5,246	10,415
Median monthly costs (dollars)	1,008	669	1,121	828	933
Percent of household income	21.4	20.5	21.5	21.2	22.3
Not mortgaged	44,909	9,280	26,931	3,313	5,385
Median monthly costs (dollars)	170	130	185	152	160
Percent of household income	10.8	10.9	10.7	10.9	11.1
Renter-occupied units	164,373	16,125	127,411	6,713	14,062
Percent householder moved into unit-					
1989 to March 1990	38.9	42.2	38.1	34.9	44.8
Before 1970	4.1	4.5	4.0	6.9	3.6
Median gross rent (dollars)	650	490	663	618	722
Percent of household income	27.4	27.0	27.6	24.1	27.1

1/ Includes Kalawao County (101 housing units), not shown separately.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing, Summary Social, Economic, and Housing Characteristics, Hawaii*, 1990 CPH-5-13 (April 1992), tables 12, 14, and 16.

**Table 21.19-- TENURE AND VALUE OF CONDOMINIUM UNITS,
BY COUNTIES: 1990**

County	All housing units	Condominium housing units			Median value <u>2/</u> (dollars)	
		Total	Owner occupied	Renter occupied		Vacant <u>1/</u>
State total.	389,810	81,127	35,078	30,450	15,599	191,600
Honolulu	281,683	66,264	32,063	26,383	7,818	195,800
Other counties ...	108,127	14,863	3,015	4,067	7,781	142,400
Hawaii	48,253	3,924	835	1,596	1,493	125,100
Kalawao	101	-	-	-	-	-
Kauai	17,613	900	267	465	168	127,800
Maui	42,160	10,039	1,913	2,006	6,120	149,700

1/ Includes vacant for seasonal, recreational, or occasional use, time-share units, and units temporarily occupied at the time of enumeration entirely by persons who have a usual place of residence elsewhere.

2/ For owner-occupied condominium housing units only.

Source: U.S. Bureau of the Census, *1990 Census of Housing, Detailed Housing Characteristics, Hawaii*, 1990 CH-2-13 (August 1993), tables 13, 35, and 66.

Table 21.20-- VACANCY AND HOMEOWNERSHIP RATES, FOR THE STATE AND HONOLULU MSA: 1986 TO 1994

[The Honolulu Metropolitan Statistical Area consists of the City and County of Honolulu]

Year	Rental vacancy rate		Homeowner vacancy rate		Homeownership rate	
	State total	Honolulu MSA	State total	Honolulu MSA	State total	Honolulu MSA
1986.....	5.7	5.0	0.8	0.9	50.9	50.0
1987.....	6.5	5.5	1.1	1.1	50.7	50.3
1988.....	6.3	4.1	0.4	0.5	53.2	52.2
1989.....	6.6	5.1	1.0	0.7	54.7	52.2
1990.....	6.6	3.8	0.8	0.7	55.5	52.9
1991.....	5.8	3.8	1.4	0.9	55.2	53.3
1992.....	5.8	3.4	2.5	0.9	53.8	52.6
1993.....	6.8	3.9	3.1	1.3	52.8	51.9
1994.....	7.4	6.9	2.0	1.9	52.3	58.0
S.E.....	0.8	0.9	0.3	0.3	1.0	1.2
U.S. 1994.....	7.3	<u>1/</u> 7.3	1.5	<u>1/</u> 1.5	64.0	<u>1/</u> 61.7

1/ Rate for all U.S. metropolitan statistical areas.

Source: U.S. Bureau of the Census, "Housing Vacancies and Homeownership Annual Statistics: 1994," *Current Housing Reports*, Series H111/94-A (May 1995), pp. 16-19, 40, 41, B-6, and B-7.

**Table 21.21-- PERSONS AND HOUSEHOLD HEADS, TOTAL AND CIVILIAN,
CHANGING RESIDENCE IN PAST YEAR: 1982 TO 1992**

[Excludes persons in institutions or barracks, in Kalawao, or on Niihau]

Year surveyed	Movers		Percent moving <u>1/</u>	
	Total	Civilians <u>2/</u>	Total	Civilians <u>2/</u>
Persons 1 year old and over:				
1982	147,684	115,685	15.8	13.8
1983	135,496	96,824	14.1	11.4
1984 <u>3/</u>	140,509	101,730	14.4	11.6
1985	133,466	101,840	13.6	11.5
1986	130,796	99,990	13.1	11.1
1987	173,495	139,728	17.0	15.1
1988	172,243	136,325	16.4	14.5
1989	156,224	118,410	14.8	12.7
1990	165,552	118,802	15.5	12.7
1991	174,880	120,190	16.0	12.5
1992	170,680	123,313	15.3	12.5
Household heads:				
1982	51,817	39,870	17.2	14.7
1983	45,692	32,155	14.7	11.7
1984 <u>3/</u>	45,798	34,637	15.3	12.8
1985	42,923	31,778	14.4	11.8
1986	42,552	31,949	13.7	11.4
1987	53,748	42,753	17.0	14.9
1988	51,708	38,901	16.6	14.1
1989	50,243	37,147	15.0	12.6
1990	52,624	36,232	15.2	12.0
1991	56,302	38,307	15.6	12.0
1992	53,803	37,941	14.8	11.8

1/ Based on number reporting place of residence one year earlier.

2/ Based on military status when surveyed. Excludes members of the armed forces and their dependents.

3/ Persons in households living on military bases were omitted from the 1984 survey, although included in other years. For purposes of this table, such persons were assumed to have the same response distribution as members of military households living in the civilian community.

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, records.

**Table 21.22-- MOBILITY OF HOUSEHOLD HEADS, BY MILITARY STATUS:
1991 AND 1992**

[Based on place of residence one year prior to survey date. Expanded from a sample. Excludes persons in institutions or military barracks, in Kalawao, or on Niihau]

Military status and residence of household head <u>1/</u>	All household heads	Non-movers	Movers		Mobility not reported
			Number	Percent <u>2/</u>	
1991					
State total	363,163	304,928	56,302	15.6	1,933
Military or dependent	42,871	24,469	17,995	42.4	407
Military	41,916	23,620	17,889	43.1	407
Military dependent	955	849	106	11.1	-
Civilian	320,292	280,459	38,307	12.0	1,526
1992					
State total	364,519	309,671	53,803	14.8	1,045
Military or dependent	41,727	25,646	15,862	38.2	219
Military	41,015	25,326	15,470	37.9	219
Military dependent	712	320	392	55.1	-
Civilian	322,792	284,025	37,941	11.8	826

1/ Military status of household head when surveyed.

2/ Based on number reporting.

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

Table 21.23-- BUILDING VACANCY RATES FOR COMPETITIVE OFFICE SPACE FOR HONOLULU, BY LOCATION: 1993 TO 1995

[Rates are percent of space reported vacant in survey]

Location	May 1993	Oct. 1993	May 1994	Oct. 1994	May 1995 <u>1/</u>
Downtown.....	12.8	14.5	15.9	13.7	16.1
Downtown to Waikiki	7.6	5.4	5.7	6.7	7.0
Waikiki	15.4	19.0	28.3	29.1	18.3
Other.....	6.6	10.5	11.9	11.0	10.3

1/ Preliminary.

Source: Semi-annual survey by Hastings, Martin, Conboy, Braig & Associates, Ltd.

Table 21.24-- HAWAII HOUSING AUTHORITY OPERATIONS: 1992 TO 1994

Subject	1992	1993	1994
Total units owned by HHA, June 30	6,069	6,069	<u>1/</u> 6,254
Occupied	6,040	5,783	5,712
Population in units, June 30.....	17,295	16,845	16,332
Per occupied unit.....	2.86	2.91	2.86
Total assets, June 30 (million dollars).....	215	277	266
Operating revenues of HHA, fiscal year: <u>2/</u>			
Gross (\$1,000).....	17,428	17,728	18,023
Net (\$1,000).....	-353	5	-144
Operating revenues per unit per month, fiscal year (dollars) <u>2/</u>	278.59	283.37	285.38
Rent charged per unit per month, fiscal year (dollars) <u>2/</u>	227.57	232.95	216.71

1/ Federal low-rent, 5,263; State low-rent, 568; State Elderly 423.

2/ Federal projects only; revenue amounts include Federal subsidies.

Source: Hawaii Housing Authority, records.

Table 21.25-- HOMELESSNESS: 1992

Characteristics	Total	Homeless	Hidden homeless <u>1/</u>	At risk <u>2/</u>
Households or parties <u>3/</u>	127,957	2,504	17,084	108,369
Persons	445,434	5,353	96,380	343,701
Under 6 years old	48,382	426	7,723	40,233
6 to 12 years old	46,348	369	5,256	40,723
13 to 17 years old	29,973	241	5,356	24,376
18 to 59 years old	284,450	3,652	65,521	215,277
60 years and over	35,823	207	12,524	23,092
Institutionalized <u>4/</u>	458	458	-	-

1/ Sharing housing with friends or relatives but would prefer to have their own places.

2/ Unable to make shelter payments if missing 1 to 3 paychecks.

3/ Parties are groups of homeless persons camping or staying together, whether or not related.

4/ Homeless persons in residential treatment programs or other non-homeless shelters. Not tabulated by age.

Source: SMS Research, *Homelessness and Hunger in Hawaii*, submitted to Homeless Aloha, June 15, 1992, p. 10.

Table 21.26-- REAL ESTATE LICENSES, ACTIVE AND INACTIVE, BY TYPE OF LICENSE AND LOCATION: FEBRUARY 9, 1995

[Real estate licenses are subject to renewal on or before December 31, of each even-numbered year]

Type of license	Active	Inactive	Location	Active	Inactive
Total	10,259	5,463	Oahu	7,405	3,729
			Hawaii	1,142	542
Broker:			Maui	1,226	406
Individual	3,703	715	Kauai	452	248
Corporation or partnership	1,064	62	Molokai	21	4
Salesman	5,492	4,686	Lanai	5	2
			U.S. mainland	4	485
			Foreign	4	47

Source: Hawaii State Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division, records.

Table 21.27-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, FOR OAHU: 1985 TO 1995

[Data include 1-family, condominium/cooperative, vacant, multi-family, commercial/industrial, business opportunities]

Year	Number listed	Number sold	Percent sold	Average sales price (dollars)
1985.....	13,558	5,261	38.8	137,650
1986.....	16,047	6,467	40.3	151,985
1987.....	12,887	8,855	68.7	188,200
1988.....	14,548	9,886	68.0	201,000
1989.....	13,873	9,757	70.3	238,257
1990.....	17,097	9,243	54.1	319,500
1991.....	15,280	5,682	37.2	299,599
1992.....	13,421	5,509	41.0	292,342
1993.....	13,124	5,371	40.9	297,149
1994.....	12,655	5,759	45.5	297,428
1995.....	12,834	4,060	31.6	307,617

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.28-- MULTIPLE LISTING SERVICE LISTINGS AND SALES, BY TYPE OF PROPERTY, FOR OAHU: 1993 TO 1995

Year and type of property	Number listed	Number sold	Percent sold	Sales price (dollars)	
				Mean	Median
1993					
Total	13,124	5,371	40.9	297,149	...
Single family	4,181	1,944	46.5	436,898	358,500
Condominium/cooperative....	7,868	3,262	41.5	210,573	193,000
Vacant land	483	88	18.2	344,913	307,500
Multi-family	144	21	14.6	638,143	540,000
Commercial.....	174	28	16.1	437,681	250,000
Business opportunities.....	274	28	10.2	134,350	49,500
1994					
Total	12,655	5,759	45.5	297,428	...
Single family	4,299	2,175	50.6	423,371	360,000
Condominium/cooperative....	7,326	3,370	46.0	210,762	190,000
Vacant land	496	128	25.8	360,855	300,000
Multi-family	159	35	22.0	706,186	590,000
Commercial.....	131	15	11.5	480,333	386,000
Business opportunities.....	244	36	14.8	102,073	60,000
1995					
Total	12,834	4,060	31.6	307,617	...
Single family	4,582	1,642	35.8	429,613	349,000
Condominium/cooperative....	7,175	2,260	31.5	206,134	182,000
Vacant land	522	84	16.1	419,342	305,000
Multi-family	194	26	13.4	1,116,500	621,500
Commercial.....	129	16	12.4	724,875	496,500
Business opportunities.....	232	32	13.8	55,828	43,750

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.29-- MULTIPLE LISTING SERVICE UNITS SOLD, SINGLE-FAMILY RESIDENTIAL AND CONDOMINIUM, BY SELLING PRICE RANGE, FOR OAHU: 1994 AND 1995

Selling price range	Single-family residential		Condominiums and cooperatives	
	1994	1995	1994	1995
All properties.....	2,175	1,642	3,370	2,260
Less than \$50,000 .....	...	...	3	17
\$50,000, less than \$75,000.....	...	...	51	54
\$75,000, less than \$100,000.....	<u>1</u> / 2	<u>1</u> / 4	121	87
\$100,000, less than \$125,000.....	4	22	235	167
\$125,000, less than \$150,000.....	9		426	268
\$150,000, less than \$175,000.....	20	78	424	406
\$175,000, less than \$200,000.....	60		580	377
\$200,000, less than \$225,000.....	43	134	469	265
\$225,000, less than \$250,000.....	82		335	180
\$250,000, less than \$275,000.....	113	317	179	114
\$275,000, less than \$300,000.....	235		129	102
\$300,000, less than \$400,000.....	748	499	253	108
\$400,000, less than \$500,000.....	393	251	77	39
\$500,000, less than \$600,000.....	193	123	45	33
\$600,000, less than \$700,000.....	105	64	21	17
\$700,000, less than \$800,000.....	56	45	11	13
\$800,000, less than \$900,000.....	35	35	4	4
\$900,000, less than \$1,000,000.....	22	12	3	2
\$1,000,000 or more	55	58	4	7
Median value.....	\$360,000	349,000	\$190,000	182,000
Mean value	\$423,371	429,613	\$210,762	206,134

1/ Less than \$100,000.

Source: Honolulu Board of Realtors, Multiple Listing Service, records.

Table 21.30-- CHARACTERISTICS OF PRIVATE SINGLE-FAMILY AND MULTI-FAMILY DEVELOPMENTS, FOR OAHU: 1989 TO 1994

Year	Single-family developments				Multi-family developments <u>1/</u>		
	Average area (square feet)		Units sold	Average price (dollars)	Average living area (sq. ft.)	Units sold	Average price (dollars)
	House	Lot					
1989.....	1,270	4,838	950	205,284	837	510	119,630
1990.....	1,342	5,174	617	286,549	891	579	140,391
1991.....	1,663	5,426	519	350,106	975	1,345	256,048
1992.....	1,390	4,657	453	316,264	1,029	804	205,606
1993.....	1,385	4,707	1,074	321,775	891	900	182,796
1994.....	1,437	5,140	792	345,745	914	1,135	209,228

1/ Four stories or less.

Source: Bank of Hawaii, *Construction in Hawaii 1995* (1995), p. 14.

Table 21.31-- MORTGAGES AND AGREEMENTS OF SALE: 1989 TO 1994

Year	Mortgages recorded			Agreements of sale (\$1,000)
	Number	Total value (\$1,000)	Average value (dollars)	
1989.....	47,826	10,464,959	218,834	234,280
1990.....	50,450	14,671,725	290,817	268,457
1991.....	50,437	11,374,604	225,521	183,528
1992.....	65,248	12,319,317	188,808	286,428
1993.....	69,111	12,632,003	182,778	180,863
1994.....	51,076	9,005,637	176,318	144,718

Source: Data from Title Guaranty of Hawaii, cited in the Bank of Hawaii, *Construction in Hawaii 1995* (1995), p. 27.

Table 21.32-- MORTGAGE LOANS OUTSTANDING: 1970 TO 1994

[In millions of dollars. As of December 31. Mortgage holdings of insurance companies doing business in Hawaii are included; mortgage holdings of credit unions are excluded]

Year	Amount	Year	Amount	Year	Amount
1970.....	1,790.2	1979.....	6,323.2	1988.....	5,917.3
1971.....	2,093.0	1980.....	7,131.4	1989.....	6,665.0
1972.....	2,424.2	1981.....	7,498.0	1990.....	7,782.9
1973.....	2,797.3	1982.....	7,730.2	1991.....	8,645.3
1974.....	3,210.2	1983.....	7,553.9	1992.....	8,657.3
1975.....	3,564.9	1984.....	7,575.2	1993.....	9,532.9
1976.....	3,959.5	1985.....	6,291.3	1994 ^{1/}	9,290.1
1977.....	4,496.0	1986.....	4,714.6		
1978.....	5,320.8	1987.....	5,750.3		

^{1/} Excludes insurance and trust companies loans.

Source: Bank of Hawaii, *Construction in Hawaii 1995* (1995), p. 27.

Table 21.33-- NUMBER OF DEEDS FILED AND RECORDED AND APPROXIMATE VALUE OF LAND CONVEYED: 1991 TO 1995

[Years ended June 30. Data include leases, agreement of sales assignments, subleases, timeshares, etc., as well as deeds]

Subject	1991	1992	1993	1994	1995
Number of deeds filed and recorded	71,233	68,075	68,871	69,305	61,821
Approximate value of land conveyed (\$1,000).....	11,304,180	8,020,905	7,521,374	15,812,168	6,486,476

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

**Table 21.34-- APPROXIMATE VALUE OF LAND TRANSFERS, BY
COUNTIES: 1992 TO 1994**

[In dollars. For calendar years. Totals include leases, agreement of sales assignments, subleases, etc., as well as deeds]

County	1992	1993	1994
State total	7,850,446,800	12,270,675,800	10,701,397,500
Honolulu.....	5,590,377,000	8,621,057,700	7,461,624,300
Maui.....	1,027,393,500	1,753,255,200	1,441,527,900
Hawaii.....	886,726,000	1,345,224,700	1,120,254,000
Kauai.....	345,950,300	551,138,200	677,991,300

Source: Hawaii State Department of Land and Natural Resources, Bureau of Conveyances, records.

**Table 21.35-- FORECLOSURE FILINGS, BY JUDICIAL CIRCUIT:
1990 TO 1995**

Year	State total	First Circuit <u>1/</u>	Second Circuit <u>2/</u>	Third Circuit <u>3/</u>	Fifth Circuit <u>4/</u>
1990.....	680	452	99	78	51
1991.....	815	522	120	110	63
1992.....	1,068	671	175	174	48
1993.....	1,436	950	204	216	66
1994.....	1,578	1,022	240	222	94
1995, Jan.-June.....	953	586	150	146	71

1/ Oahu and Kalawao County.

2/ Maui County.

3/ Hawaii County.

4/ Kauai County.

Source: The Judiciary, Office of the Administrative Director of the Courts, Statistics Office, records.

**Table 21.36-- CHARACTERISTICS OF SINGLE FAMILY HOMES INSURED
UNDER FHA SECTION 203(B): 1992 AND 1993**

Subject	1992	1993
Number insured.....	(NA)	826
Proposed.....	(NA)	507
Existing.....	(NA)	319
Amount (\$1,000).....	(NA)	111,801
Proposed.....	(NA)	65,043
Existing.....	(NA)	46,758
Averages:		
Age of structure (years).....	12.7	12.4
Improved living area (square feet).....	1,175	1,261
Lot size (square feet).....	6,832	4,469
Number of rooms.....	5.6	5.9
Market price of site (dollars).....	*84,967	(B)
Site to value ratio (percent).....	(B)	(B)
Site price per square foot (dollars).....	(B)	(B)
Construction cost per square foot (dollars).....	(B)	(B)
Appraised value (dollars).....	174,017	178,325
Sales price per square foot (dollars).....	108.18	69.01
Annual effective income (dollars).....	49,812	48,370

* Sample under 25.

B Sample under 10.

NA Not available.

Source: U.S. Department of Housing and Urban Development, Information Systems Division, *FHA Homes - 1992, Sec. 203(b)*, pp. 31-51, and *FHA Homes-1993, Sec. 203(b)*, pp. 31-51.

**Table 21.37-- ELEVATORS, ESCALATORS, AND SIMILAR FACILITIES:
DECEMBER 31, 1994**

Facility	State total	Oahu	Hawaii		Maui	Molo-kai	Lanai	Kauai
			Hilo	Kona				
Total.....	5,358	4,306	135	202	499	2	22	192
Elevators	4,564	3,624	108	189	445	-	20	178
Under 9 stories:								
Hydro	1,249	825	50	84	170	-	9	111
Roped	1,524	1,099	48	105	209	-	11	52
9 to 18 stories	1,103	1,012	10	-	66	-	-	15
19 to 28 stories	389	389	-	-	-	-	-	-
29 to 38 stories	213	213	-	-	-	-	-	-
39 stories or more	86	86	-	-	-	-	-	-
Escalators and moving walks.	356	335	6	-	13	-	-	2
Inclined lifts	9	4	3	1	1	-	-	-
Private industrial elevators	11	1	-	3	7	-	-	-
Manlifts.....	12	10	-	2	-	-	-	-
Handicap chair lifts	75	59	1	5	4	-	-	6
Dumbwaiters.....	329	273	17	1	28	2	2	6
Material lifts.....	2	-	-	1	1	-	-	-

Source: Hawaii State Department of Labor and Industrial Relations, Division of Occupational Safety and Health, Boiler and Elevator Inspection Bureau, records.

Table 21.38-- TALLEST STRUCTURES, BY ISLANDS: MARCH 1995

Island and structure	Location	Year completed	Height	
			Stories	Feet
BUILDINGS ^{1/}				
Hawaii:				
Bayshore Towers	Hilo.....	1970	15	135
Maui:				
Kalana O Maui (County Bldg.).....	Wailuku	1972	9	140
Royal Lahaina Hotel	Kaanapali	1970	12	132
Lanai:				
Manele Hotel	Hulopoe Bay.....	1991	3	48
Molokai:				
Molokai Light Station	Kalaupapa	1909	...	138
Oahu:				
Nauru Tower.....	1330 Ala Moana	1991	45	400
Waterfront Towers	425 South Street	1990	46	400
Kauai:				
Westin Kauai Hotel.....	Lihue	1959	10	107
OTHER STRUCTURES				
Hawaii:				
Coast Guard Loran Station	Upolu Point.....	1958	...	625
Maui:				
KMVI Radio Tower.....	Wailuku	1947	...	455
Lanai:				
Storage tanks	Manele Harbor.....	...	...	50
Molokai:				
KAIM Radio Tower.....	Kalua Koi.....	1981	...	410
Oahu:				
VLF Antenna.....	Lualualei.....	1972	...	1,503
Kauai:				
Communication Engineers Tower.....	Mana	1964	...	400

^{1/} Shown separately for the tallest in feet and also (if different) for the tallest in number of stories.

Source: Compiled by DBEDT from Hawaii County Department of Research and Development, Maui County Department of Public Works, City and County of Honolulu Building Department, and Kauai County Department of Public Works.