

## Section 18

# TRANSPORTATION

This section presents statistics relating to public roads, motor vehicles, bicycles, traffic accidents, local public transit, civil aviation, harbors, and water traffic. Other information bearing on transportation appears in Sections 7, 12, 14, and 24.

The chief source for transportation statistics is the Hawaii State Department of Transportation, its Highways, Harbors and Airports Divisions and the Motor Vehicle Safety Office. Other sources include the U.S. Coast Guard, Federal Aviation Administration, Federal Highway Administration, Army Corps of Engineers, U.S. Census of Transportation, Communications, and Utilities, Honolulu Public Transit Authority, county finance departments, Hawaii Automobile Dealers Association, and individual transportation companies. Data for the entire period of record through 1976 appear in *Historical Statistics of Hawaii*, Section 17. Another source of long-term trend information is *What People Paid to Travel*, published by the Hawaiian Historical Society in 1991. Similar statistics for other areas are reported in the *Statistical Abstract of the United States: 1998*, Sections 21 and 22.

**Table 18.01-- HIGHWAY DISTANCES: 1998**

Route	Statute miles	Route	Statute miles
HAWAII		MOLOKAI	
Hilo-Lyman Field	2.0	Kaunakakai-Sheraton Hotel	19.5
Hilo-Kalapana	28.4	Kaunakakai-Maunaloa	16.5
Hilo-Mauna Kea summit	39.3	Kaunakakai-Airport	7.0
Hilo-Mauna Loa summit	52.4	Kaunakakai-Halawa	27.6
Hilo-Volcano House	30.7	Airport-Sheraton Hotel	12.6
Hilo-Kailua, via Naalehu	124.0		
Hilo-Kailua, via Saddle Rd.	87.4	OAHU 1/	
Hilo-Kailua, via Hamakua	98.1		
Hilo-Waimea, via Saddle Rd.	60.9	Honolulu-Ala Moana Center	1.5
Hilo-Waimea, via Hamakua	56.8	Honolulu-UH, via King Street	3.2
Hilo-Upolu Pt., via Hamakua	88.3	Honolulu-Waikiki	3.2
Hilo-Kawaihae, via Hamakua	66.8	Honolulu-Waimanalo, via Koko He	21.2
Waimea-Hawi	21.4	Honolulu-Waimanalo, via Nuuanu	12.6
Waimea-Kawaihae	10.0	Honolulu-Kailua, via Nuuanu	13.0
Kawaihae-Hawi	19.3	Honolulu-Kaneohe, via Kalihi	12.0
Kawaihae-Kailua	34.3	Honolulu-Kahuku, via Kahaluu	38.0
Kailua-Keahole Airport	6.8	Honolulu-Kahuku, via Wahiawa	48.0
Kailua-Keauhou	6.9	Honolulu-Kaena Pt., via Wahiawa	44.4
		Honolulu-Kaena Pt., via Waianae	43.7
MAUI		Honolulu-Wahiawa	23.0
Wailuku-Kahului	2.3	Honolulu-Pearl Harbor Shipyard	6.5
Wailuku-Kahului Airport	4.2	Honolulu-Honolulu Airport	5.0
Wailuku-Hana, via Keanae	53.2	Waikiki-UH, via Kapahulu	3.2
Wailuku-Hana, via Kaupo	59.8	Waikiki-Honolulu Airport	8.0
Wailuku-Haleakala summit	38.2	Waimanalo-Kahuku	32.6
Wailuku-Makena	17.9	Circle island, via Makapuu	99.5
Wailuku-Lahaina, via Kahakula	38.0	Circle island, via Nuuanu Pali	81.6
Wailuku-Lahaina, via Olowalu	20.9		
Kahului-Kihei	8.2	KAUAI	
Lahaina-Wailea	32.4	Lihue-Haena	38.2
Lahaina-Napili	8.9	Lihue-Wailua	5.9
Lahaina-Kaanapali	3.7	Lihue-Lihue Airport	2.0
		Lihue-Poipu	11.9
LANAI		Lihue-Mana	32.9
Lanai City-Lanai Airport	3.1	Lihue-Kalalau Lookout	44.6
Lanai City-Hulopoe	7.5	Poipu-Kalalau Lookout	36.8
		Poipu-Princeville	40.7

1/ Honolulu distances measured from South King and Bishop Streets; Waikiki, from Kalakaua Avenue and Lewers Street.

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

**Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLANDS: DECEMBER 31, 1997**

[Excludes private thoroughfares and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
1997				
State total	4,164.21	88.58	3,877.70	197.93
Hawaii 1/	1,431.75	-	1,372.45	59.30
Maui 1/	617.10	-	560.40	56.70
Lanai	46.59	-	32.59	14.00
Molokai	129.26	-	117.26	12.00
Oahu	1,523.90	88.58	1,401.88	33.44
Kauai	415.61	-	393.12	22.49
Niihau	-	-	-	-

1/ Significant changes from previously published data are due to reinventories of roads to reflect extensive revisions in the functional classification of highway systems.

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

**Table 18.03-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED: 1975 TO 1997**

[Excludes private thoroughfares and military roads not regularly open to public use]

<b>Category</b>	<b>1975</b>	<b>1980</b>	<b>1985</b>	<b>1990</b>	<b>1994</b>	<b>1997</b>
Total mileage	3,743	3,912	4,070	4,101	4,100	4,164
Paved	3,355	3,591	3,808	3,887	3,902	3,966
Unpaved	389	321	262	214	198	198

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

**Table 18.04-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 1998**

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
State	734	Airport Viaduct	14,890	Nanue	208
Hawaii	133	Hakalau	775	Nanue	208
Maui	99	Honokahua	600	Uaoa	79
Lanai	-	None	-	None	-
Molokai	19	Manawainui	360	Manawainui	50
Oahu	429	Airport Viaduct	14,890	Kipapa	156
Kauai	54	Hanamaulu	1,150	Wahiawa, Koloa	90

1/ Limited to bridges under State jurisdiction and 20 feet or longer.

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

**Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 1998**

Island and name of tunnel	Length (feet)
Oahu:	
Pali No. 1: Inbound (to Honolulu)	1,000
Outbound (from Honolulu)	1,080
Pali No. 2: Inbound	500
Outbound	497
Wilson: Inbound	2,775
Outbound	2,813
H-3: Inbound	4,890
Outbound	5,165
Middle Street	393
Hospital Rock Tunnel: Inbound	353
Outbound	354
Maui:	
Olowalu	318
Kauai:	
Kipu-Mahaulepu (private road)	2,200

Source: Hawaii State Department of Transportation, Highways Division, records; McBryde Sugar Plantation, records.

**Table 18.06-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:  
1988 TO 1998**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of the State]

Year	All vehicles registered	Motor vehicles			
		All motor vehicles	Passenger vehicles 1/	Ambulances, hearses, patrol wagons	Buses
1988	838,327	817,609	670,877	52	4,215
1989	876,848	855,057	695,397	54	4,203
1990	911,283	889,096	718,204	55	4,308
1991	920,124	897,193	717,907	54	4,309
1992	908,738	885,761	703,983	53	4,282
1993	903,550	880,152	693,283	48	4,032
1994	898,008	875,144	691,158	53	3,772
1995	901,291	877,756	694,239	54	3,660
1996	907,770	884,617	703,094	59	3,468
1997	906,964	884,267	704,693	54	3,226
1998	915,753	893,427	713,732	61	3,084
		<b>Motor vehicles -- continued</b>			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motorcycles, motor-scooters 2/	Trailers and semi-trailers
1988	129,452	1,176	293	11,544	20,718
1989	141,845	1,107	292	12,159	21,791
1990	152,453	1,043	313	12,720	22,187
1991	159,831	972	323	13,797	22,931
1992	160,952	871	298	15,322	22,977
1993	165,209	757	283	16,540	23,398
1994	162,348	630	249	16,934	22,864
1995	161,609	567	239	17,388	23,535
1996	160,013	504	225	17,254	23,153
1997	158,457	457	220	17,160	22,697
1998	158,977	423	214	16,936	22,326

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTIES:  
1988 TO 1998**

[Taxable and exempt vehicles. Includes passenger cars, ambulances, buses, trucks, motorcycles and vehicles registered but subsequently scrapped or shipped out of the State. Excludes trailers and semi-trailers]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
1988	817,609	579,998	96,360	47,235	94,016
1989	855,057	599,379	103,724	51,455	100,499
1990	889,096	612,742	110,834	55,927	109,593
1991	897,193	613,119	113,265	57,751	113,058
1992	885,761	611,513	113,080	51,165	110,003
1993	880,152	604,602	111,138	54,068	110,344
1994	875,144	600,087	111,532	52,817	110,708
1995	877,756	601,239	111,624	52,364	112,529
1996	884,617	598,772	115,647	52,984	117,214
1997	884,267	595,121	118,364	53,904	116,878
1998	893,427	594,096	121,959	56,554	120,818

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR  
COUNTIES: 1998**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of the State]

Type of vehicle	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All vehicles	915,753	606,091	127,187	58,879	123,596
Motor vehicles	893,427	594,096	121,959	56,554	120,818
Passenger vehicles 1/	713,732	485,638	93,416	40,766	93,912
Ambulances	61	35	15	-	11
Buses	3,084	2,495	238	23	328
Trucks 1/	158,977	93,692	25,835	14,976	24,474
Truck tractors	423	181	98	40	104
Truck cranes	214	108	19	13	74
Motorcycles, motorscooters 2/	16,936	11,947	2,338	736	1,915
Trailers and semi-trailers	22,326	11,995	5,228	2,325	2,778

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS, FOR  
COUNTIES: DECEMBER 31, 1998**

[Includes vehicles registered but subsequently scrapped or shipped out of state. Excludes  
trailers, semi-trailers and motorcycles]

<b>Taxation status</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
Total registered	876,491	582,149	119,621	55,818	118,903
Taxable vehicles	810,701	519,570	118,422	55,058	117,651
Exempt vehicles	65,790	62,579	1,199	760	1,252
Federal government	350	332	15	-	3
State government	4,888	4,887	1	-	-
County government	6,272	4,231	553	487	1,001
Fire department	227	59	111	31	26
Police department	1,615	1,264	349	-	2
Consulates	72	71	-	-	1
Disabled veterans	132	82	11	33	6
Military non-resident	51,817	51,460	95	199	63
Farm	356	141	55	10	150
Horseless carriage	38	31	7	-	-
Electric vehicles	23	21	2	-	-

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,  
BY COUNTIES: 1990**

<b>Vehicles available</b>	<b>State total</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kalawao</b>	<b>Kauai</b>	<b>Maui</b>
Occupied units	356,267	41,461	265,304	62	16,295	33,145
None	35,159	3,100	29,406	26	777	1,850
1	128,513	14,676	98,542	6	4,573	10,716
2	127,011	16,154	91,032	24	6,699	13,102
3	43,580	5,316	30,415	6	2,874	4,969
4	15,187	1,606	10,996	-	907	1,678
5 or more	6,817	609	4,913	-	465	830

Source: U.S. Bureau of the Census, *1990 Census of Housing, Detailed Housing Characteristics, Hawaii*, 1990 CH-2-13 (August 1993), tables 14 and 67.

**Table 18.11-- TRUCK CHARACTERISTICS: 1977 TO 1992**

<b>Vehicular and operational characteristics</b>	<b>1977</b>	<b>1982</b>	<b>1987</b>	<b>1992</b>
Total trucks (1,000)	...	...	160.8	280.3
Percent	100.0	100.0	100.0	100.0
Major use: Personal transportation	50.0	54.3	60.5	61.7
Body type: Pickup, panel, or mini-van	85.1	89.1	91.2	93.8
Vehicle size: Light	89.0	92.9	94.6	95.6
Annual miles: Less than 10,000	54.1	59.7	57.0	50.0
Year model: Over 4 years old	68.1	75.8	62.1	66.8
Vehicle acquisition: Purchased new	54.6	47.3	49.6	54.3
Truck type: Single-unit, 2 axles	95.7	96.6	96.4	91.9
Range of operation: Local	87.3	78.2	80.2	79.3
Fuel type: Diesel and LPG	4.6	3.7	5.4	4.7

Source: U.S. Bureau of the Census, *1992 Census of Transportation, Truck Inventory and Use Survey, Hawaii*, TC92-T-12 (December 1994), tables 1 and 2.

**Table 18.12-- NEW PASSENGER CAR AND TRUCK REGISTRATIONS,  
BY COUNTIES: 1992 TO 1997**

<b>Year</b>	<b>State total</b>	<b>Honolulu</b>	<b>Maui</b>	<b>Hawaii</b>	<b>Kauai</b>
1992	83,357	47,082	17,503	10,928	7,844
1993	79,168	45,833	16,918	10,111	6,306
1994	83,093	46,664	18,940	10,660	6,829
1995	72,526	41,880	15,786	9,359	5,501
1996	68,765	40,425	14,497	8,527	5,316
1997	71,777	40,349	15,629	9,368	6,431

Source: Hawaii Automobile Dealers Association, *HADA* (annual).

**Table 18.13-- NEW PASSENGER CAR AND TRUCK REGISTRATIONS,  
BY NAMEPLATE: 1995 TO 1997**

Nameplate 1/	1995		1996		1997	
	Rank	Units	Rank	Units	Rank	Units
All nameplates	...	72,526	...	68,375	...	71,777
Chevrolet/Geo	2	9,348	2	7,902	1	11,848
Ford	1	14,178	1	11,003	2	11,781
Toyota	4	6,572	3	7,355	3	7,634
Dodge	6	5,030	5	5,485	4	6,210
Nissan	3	7,360	4	7,160	5	5,204
Honda	5	5,103	6	4,708	6	4,823
All others	...	24,935	...	24,762	...	24,277

1/ Shown separately for first six in 1997.

Source: Hawaii Automobile Dealers Association, *HADA* (annual).

**Table 18.14-- NEW PASSENGER CAR AND TRUCK REGISTRATIONS,  
RETAIL AND RENTAL, BY PLACE OF MANUFACTURE: 1997 AND 1998**

Year and place of manufacture	Cars and trucks	Cars			Trucks		
		Total	Retail	Rental	Total	Retail	Rental
1997, total	71,777	63,952	34,858	29,094	7,825	7,629	196
Domestic	47,187	41,661	15,594	26,067	5,526	5,330	196
Imports	24,590	22,291	19,264	3,027	2,299	2,299	-
Percent imports	34.3	34.9	1/ 55.3	10.4	29.4	30.1	-
1998, total	74,408	66,523	32,937	33,586	7,885	7,736	149
Domestic	47,337	41,886	12,951	28,935	5,451	5,343	108
Imports	27,071	24,637	19,986	4,651	2,434	2,393	41
Percent imports	36.4	37.0	60.7	13.8	30.9	30.9	27.5

1/ Revised by the Hawaii State Department of Business, Economic Development & Tourism.  
Source: Hawaii Automobile Dealers Association, *HADA* (annual).

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTIES:  
1991 TO 1997**

[As of December 31]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
1991	699,664	501,260	86,181	38,894	73,329
1992	716,545	510,901	89,436	39,947	76,261
1993	734,381	522,016	92,264	41,910	78,191
1994	745,392	527,756	94,257	42,736	80,643
1995	732,508	516,780	94,048	42,041	79,639
1996	733,486	515,780	94,943	41,775	80,988
1997	738,865	517,904	96,665	42,079	82,217

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE  
AND SEX: DECEMBER 31, 1996 AND 1997**

Age	Both sexes		Male		Female	
	1996	1997	1996	1997	1996	1997
Total	733,486	738,865	389,483	391,406	344,003	347,459
15 to 19 years	37,456	36,785	20,385	20,120	17,071	16,665
20 to 24 years	59,862	59,474	31,688	31,416	28,174	28,058
25 to 34 years	157,320	153,083	81,578	79,284	75,742	73,799
35 to 44 years	173,455	172,921	89,422	88,940	84,033	83,981
45 to 54 years	139,829	145,780	74,126	76,854	65,703	68,926
55 to 64 years	76,881	79,788	41,416	43,091	35,465	36,697
65 to 74 years	60,687	60,871	33,211	32,919	27,476	27,952
75 to 84 years	25,215	26,974	15,672	16,506	9,543	10,468
85 years and over	2,781	3,189	1,985	2,276	796	913
Median age (years)	41.5	41.9	41.8	42.3	41.1	41.6

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.17-- DRIVING COST, FOR HONOLULU AND SELECTED MAINLAND CITIES: 1995**

[Total annual vehicle costs shown are based on a 1995 Ford Taurus GL, 6-cylinder, 4-door sedan driven 15,000 miles per year with a 4-year, 60,000-mile retention cycle. Costs include both ownership expenses of insurance, depreciation, license and registration fees and miscellaneous taxes; and operating expenses of fuel, oil, tires and maintenance]

<b>City</b>	<b>Rank 1/</b>	<b>Annual cost (dollars)</b>	<b>Cost per mile (cents)</b>
Los Angeles	1	8,375	55.8
San Francisco	7	7,152	47.7
Honolulu	8	6,832	45.5
Phoenix	9	6,772	45.1
Detroit	10	6,731	44.9
Sioux Falls	80	5,368	35.8

1/ Among 80 cities surveyed.

Source: Runzheimer International, cited in *The Honolulu Advertiser*, April 4, 1995, p. A1.

**Table 18.18-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES,  
1988 TO 1998, AND BY COUNTIES, 1998**

Year and county	Highway fuel consumption 1/		Vehicle miles of travel	
	Total (1,000 gallons)	Gallons per vehicle 2/	Total (millions)	Per vehicle 2/
1988	378,988	464	7,400.8	9,052
1989	395,945	463	7,748.1	9,062
1990	395,185	444	8,065.4	9,071
1991	406,819	453	8,142.2	9,075
1992	405,963	457	8,065.5	9,070
1993	409,940	468	7,945.3	9,063
1994	428,558	490	7,925.2	9,056
1995	422,884	482	7,944.1	9,051
1996	426,370	482	8,005.9	9,050
1997	421,499	477	8,003.0	9,050
1998	422,928	473	8,090.2	9,055
COUNTIES: 1998				
Honolulu	274,531	464	5,218.2	8,812
Hawaii	67,234	547	1,195.5	9,735
Kauai	24,922	430	596.8	10,306
Maui	56,241	467	1,079.7	8,959

1/ Includes gasoline, diesel oil, and butane gas.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

**Table 18.19-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED OAHU  
SURVEY SITES: 1996 TO 1998**

<b>Site</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
Pali Highway at tunnels	54,626	53,200	46,237
Likelike Highway at tunnels	52,122	50,837	32,515
H-1 Freeway at Manoa-Palolo Drainage Canal	114,229	115,262	114,395
H-1 Freeway at Kapalama Drainage Canal Bridge	222,386	222,253	222,631
Nimitz Highway at Kapalama Drainage Canal Bridge	83,583	83,851	71,277
Kalaniana'ole Highway east of Ainakoa Ave.	82,469	83,720	83,616

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

**Table 18.20-- ROADWAY CONGESTION: 1993**

<b>Subject</b>	<b>Number</b>	<b>Rank 1/</b>
Daily vehicle miles of travel (1,000)	5,600	43
Per lane - mile of freeway	14,000	14
Vehicle hours of delay	68,750	31
Per 1,000 persons	100	14
Annual congestion cost:		
Per driver (dollars)	550	17
Per capita (dollars)	470	15
Delay and fuel cost (mil. dol.)	320	32

1/ Among 50 major Urbanized Areas.

Source: Texas Transportation Institute, as cited in *Statistical Abstract of the United States: 1998*, p. 637.

**Table 18.21-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1984 TO 1994, AND BY COUNTIES, 1992 TO 1994**

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
1984	17,657	127	12,390	136
1985	19,577	118	12,613	126
1986	20,854	108	10,941	117
1987	23,625	126	11,996	138
1988	26,071	129	12,818	149
1989	26,891	127	12,835	147
1990	26,639	154	14,048	176
1991	21,824	119	12,792	135
1992	21,834	121	13,403	128
1993	21,464	121	13,879	133
1994	(NA)	110	(NA)	122
COUNTIES: 1992				
Honolulu	16,617	64	9,308	66
Hawaii	2,932	26	2,055	27
Kauai	784	10	671	10
Maui	1,501	21	1,369	25
COUNTIES: 1993				
Honolulu	16,456	71	9,803	76
Hawaii	2,857	29	2,165	31
Kauai	680	6	553	9
Maui	1,471	15	1,358	17
COUNTIES: 1994				
Honolulu	(NA)	61	(NA)	65
Hawaii	(NA)	28	(NA)	33
Kauai	(NA)	9	(NA)	12
Maui	(NA)	12	(NA)	12

NA Not available.

1/ Through 1990, includes traffic accidents with damage of \$300 or more or causing injury or death. Effective 1991, includes only accidents with damage of \$1,000 or more or causing injury or death. Effective June 20, 1995, includes only accidents with damage of \$3,000 or more or causing injury or death.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLANDS:  
1996 TO 1998**

[As of December 31]

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	1996	1997	1998	1996	1997	1998
Hawaii	137	154	(NA)	2,395	3,254	(NA)
Maui	213	216	216	4,446	5,098	4,567
Lanai	-	-	-	41	93	101
Molokai	-	-	-	61	154	199
Oahu	3/ 1,904	3/ 1,544	(NA)	107,784	99,365	(NA)
Kauai	-	-	-	1,049	1,003	721

NA Not available.

1/ Licensed during the calendar year. Taxicabs are licensed annually, except in Kauai County, where registration is not required.

2/ Bicycles with wheels having a diameter of 20 inches or more and all mopeds, both of which were formerly licensed on an annual basis, have, since November 1, 1988, been registered biennially; see SLH 1988, Act 264, sec. 1.

3/ Fiscal year ending on June 30.

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

**Table 18.23-- U-DRIVE WEEKDAY AVERAGE DAILY RATES, BY SIZE OF PASSENGER CAR, FOR OAHU: 1989 TO 1998**

[Average rates in dollars for nonresidents, including collision damage waiver insurance, reported by Avis, Hertz, National, and Alamo]

<b>Date</b>	<b>Sub-compact</b>	<b>Compact</b>	<b>Mid-size</b>	<b>Full-size</b>
October 18, 1989	37.93	38.92	43.68	48.94
August 13, 1990	39.97	46.46	49.71	57.21
August 28, 1991	30.62	34.19	37.44	43.19
September 3, 1992	46.49	45.96	50.71	57.96
September 8, 1993	44.73	45.99	49.49	56.99
January 20, 1995	54.23	54.98	61.23	67.23
November 18, 1998	33.00	33.50	38.50	44.99

Source: Information provided by listed companies.

**Table 18.24-- AUTOMOTIVE RENTAL AND LEASING WITHOUT DRIVERS  
(SIC 751) ESTABLISHMENTS WITH PAYROLL, BY COUNTIES:  
1992 AND 1996**

Subject	State total 1/		Counties (SIC 751)			
	SIC 751	SIC 7514	Honolulu	Hawaii	Kauai	Maui
1992						
No. of establishments	82	64	36	18	6	22
Receipts (mil. dol.)	332.1	320.0	195.0	38.6	23.6	74.8
1996 2/						
No. of establishments	72	54	35	12	5	20

1/ Most of the receipts for SIC 751 in 1992 were reported in SIC 7514, passenger car rental. Other subgroups under SIC 751 were SIC 7513, truck rental and leasing, without drivers; SIC 7515, passenger car leasing; and SIC 7519, utility trailer and recreational vehicle rental.

2/ Receipts are not available for 1996.

Source: U.S. Bureau of the Census, *1992 Census of Service Industries, Hawaii*, SC92-A-12 (August 1994), tables 1a, 6, and 7a, and *County Business Patterns 1996, Hawaii*, CBP-96-13 (November 1998), tables 1b and 2.

**Table 18.25-- MOTOR CARRIER CHARACTERISTICS, BY COUNTIES:  
SEPTEMBER 1995**

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
State total	1,345	8,228	223,693	5,518	31,481
Hawaii	119	1,167	36,840	1,391	4,462
Maui	219	1,786	45,926	849	3,979
Honolulu	908	4,517	120,924	2,862	19,990
Kauai	99	758	20,003	416	2,181

1/ Includes mostly tour bus operators; excludes public transit, school buses, taxicabs, and rental car companies.

2/ Includes truckers, moving companies, etc.

Source: Compiled by Hawaii State Department of Transportation, Motor Vehicle Safety Office, from Hawaii State Department of Commerce and Consumer Affairs, Public Utilities Commission.

**Table 18.26-- PUBLIC TRANSIT, FOR OAHU: 1988 TO 1998**

[Service provided by City and County of Honolulu bus system]

<b>Year</b>	<b>Number of buses, Dec. 31</b>	<b>Bus mileage 1/</b>	<b>Total passengers 2/</b>	<b>Revenues (dollars)</b>
1988	470	17,124,317	74,467,760	18,824,046
1989	475	17,525,608	74,964,453	18,843,083
1990	475	18,080,500	75,648,930	18,914,500
1991	475	18,308,282	76,540,997	19,283,803
1992	475	18,437,228	78,416,523	19,534,923
1993	495	18,507,642	79,343,403	20,751,058
1994	495	19,323,877	79,309,437	24,849,857
1995	525	19,277,975	80,837,153	26,960,330
1996	525	19,407,383	76,363,729	30,262,762
1997	525	19,748,202	74,407,852	29,572,046
1998	525	19,751,725	71,215,529	28,488,959

1/ Estimated number of vehicle miles.

2/ Estimated number of passengers, including senior citizens and disabled.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records.

**Table 18.27-- PUBLIC TRANSIT PASSENGERS, BY FARE CATEGORY, AND  
AVERAGE BUS SPEED, FOR OAHU: 1996 TO 1998**

[Calendar year data for City and County of Honolulu bus system]

<b>Fare category</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
All passengers	76,363,729	74,407,852	71,215,529
Adults, full fare	43,800,889	42,191,326	40,198,684
Students	12,898,855	12,657,287	12,175,435
School subsidy	397,578	419,266	475,208
Stadium express	6,341	6,792	5,832
Senior citizens and disabled	15,340,261	14,863,996	14,350,549
Free transfers	3,819,725	3,712,865	3,521,051
Visitor pass	100,080	532,294	488,770
Average bus speed (m.p.h.)	15.0	15.0	15.0

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records.

**Table 18.28-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 1998**

[In dollars]

Effective date	Cash fares 1/		Monthly passes	
	Adult	School	Adult	School
March 1, 1971	.25	.15	...	...
March 2, 1971	.25	.10	...	...
June 9, 1972 2/	.25, .50	.10, .25	...	...
March 15, 1974	.25	.10	...	...
November 1, 1979	.50	.25	15.00	7.50
June 18, 1984	.60	.25	15.00	7.50
October 1, 1993	.85	.25	20.00	7.50
July 1, 1995 3/	1.00	.50	25.00	12.50

1/ In addition, there have been special fares for children, disabled persons, senior citizens, service to and from Pearl Harbor, and the Stadium Express during many of these years.

2/ Zone fares initiated and later eliminated.

3/ Most recent change as of July, 1999.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records.

**Table 18.29-- STEAM RAILROAD MILEAGE AND PASSENGERS:  
1987 TO 1998**

[The Lahaina Kaanapali & Pacific Railroad operates between Lahaina and Kaanapali on the island of Maui and the Hawaiian Railway operates in the Ewa District on the island of Oahu]

Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway		Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway	
	Miles of track	Passengers	Miles of track	Passengers		Miles of track	Passengers	Miles of track	Passengers
1987	6.0	244,555	(NA)	(NA)	1993	6.0	388,484	(NA)	(NA)
1988	6.0	285,139	(NA)	(NA)	1994	6.0	390,862	5.0	1/ 12,821
1989	6.0	296,391	(NA)	(NA)	1995	6.0	447,211	6.5	16,704
1990	6.0	308,910	(NA)	(NA)	1996	6.0	418,099	6.5	19,678
1991	6.0	316,079	(NA)	(NA)	1997	6.0	369,327	6.5	20,850
1992	6.0	385,261	(NA)	(NA)	1998	6.0	(NA)	6.5	19,763

NA Not available.

1/ Data incomplete.

Source: Lahaina Kaanapali & Pacific Railroad, records; Hawaiian Railway, records.

**Table 18.30-- AIRPORTS AND HELIPORTS, BY CONTROL, BY ISLANDS:  
1995 TO 1997**

[As of December 31]

Island	Airports 1/				Heliports 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
1995						
State total	9	7	5	-	-	5
Hawaii	2	2	1	-	-	4
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	3	-	-	1
Kauai	2	1	-	-	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	-	-	1	-	-	-
1996						
State total	9	7	5	-	-	5
Hawaii	2	2	1	-	-	4
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	3	-	-	1
Kauai	2	1	-	-	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	-	-	1	-	-	-

Continued on next page.

**Table 18.30-- AIRPORTS AND HELIPORTS, BY CONTROL, BY ISLANDS:  
1995 TO 1997 -- Con.**

Island	Airports 1/				Heliports 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
1997						
State total	9	7	4	-	-	5
Hawaii	2	2	1	-	-	4
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	3	-	-	1
Kauai	2	1	-	-	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-

1/ Excludes private airports.

2/ Excludes military and private heliports.

3/ Three airports classified as general aviation fields (Waimea-Kohala, Hana, and Kalaupapa) provide regular air service.

4/ Owned by the U.S. Department of the Interior, Fish and Wildlife Service.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.31-- RANK OF HONOLULU INTERNATIONAL AIRPORT IN  
OPERATIONS AND ENPLANED PASSENGERS: 1991 TO 1993 AND 1996**

Subject	Rank 1/				Number			
	1991	1992	1993	1996	1991	1992	1993	1996
Total aircraft operations	16	22	24	26	403,570	403,708	358,543	372,099
Air carrier operations	21	21	23	22	196,047	202,559	185,959	203,520
Total enplaned passengers 2/	15	15	19	23	8,772,316	8,740,091	8,484,364	9,124,893

1/ Among all FAA-operated airport traffic control towers in the United States.

2/ For large scheduled certificated air carriers, both scheduled and nonscheduled operations.

Source: U.S. Department of Transportation, Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual).

**Table 18.32-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 1995 TO 1997**

[An FAA directive dated December 8, 1987, requires all aircraft with 60 seats or less to be designated as air taxis, even if such aircraft are operated by a designated air carrier. This reclassification especially affects the data for Molokai Airport]

<b>Airport</b>	<b>All movements</b>	<b>Air carrier</b>	<b>Air taxi</b>	<b>General aviation</b>	<b>Military</b>
1995					
Honolulu International	373,926	198,248	71,703	80,522	23,453
Hilo International	84,917	21,402	33,084	22,384	8,047
Kahului	179,883	65,791	80,349	30,691	3,052
Lihue	97,400	27,788	56,024	9,597	3,991
Kona International	73,537	25,436	17,556	21,444	9,101
Molokai	45,517	1,194	30,365	9,460	4,498
1996					
Honolulu International	372,268	203,671	62,516	82,541	23,540
Hilo International	87,862	21,109	36,228	22,845	7,680
Kahului	178,590	67,136	78,722	29,976	2,756
Lihue	106,332	29,246	60,489	12,705	3,892
Kona International	77,025	29,195	16,556	21,591	9,683
Molokai	49,221	1,003	34,753	10,744	2,721
1997					
Honolulu International	358,784	185,557	61,894	87,584	23,749
Hilo International	101,521	21,616	47,229	25,020	7,656
Kahului	173,342	64,599	81,105	25,211	2,427
Lihue	111,349	29,996	60,267	17,259	3,827
Kona International	87,358	27,462	14,954	37,549	7,393
Molokai	44,667	1,017	31,290	10,844	1,516

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.33-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:  
1987 TO 1997**

[An aircraft operation is an aircraft arrival or departure]

<b>Year</b>	<b>Honolulu Inter- national Airport</b>	<b>Hilo Inter- national Airport 1/</b>	<b>Kona International Airport 2/</b>	<b>Kahului Airport</b>	<b>Lihue Airport</b>	<b>Molokai Airport</b>
1987	385,275	80,123	67,497	165,920	134,495	50,829
1988	377,919	85,267	56,584	173,053	122,268	50,456
1989	403,635	93,202	55,674	177,803	116,742	47,208
1990	407,048	98,755	60,086	182,686	113,860	43,509
1991	403,566	88,206	56,140	180,857	112,679	47,898
1992	403,628	91,055	63,939	178,752	103,686	35,662
1993	358,505	92,297	59,904	172,265	70,910	39,057
1994	359,569	86,292	66,438	179,227	91,582	38,369
1995	373,926	84,917	73,537	179,883	97,400	45,517
1996	372,268	87,862	77,025	178,590	106,332	49,221
1997	358,784	101,521	87,358	173,342	111,349	44,667

1/ Formerly General Lyman Field; new name became effective July 1, 1989.

2/ Formerly Keahole Airport; new name became effective April 26, 1993.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.34-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS SERVING  
HAWAII: 1994 TO 1997**

[As of June 30. Includes both scheduled and nonscheduled service, and also commuter lines  
and other air taxi service]

<b>Service</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
All carriers	46	44	39	40
Transpacific only	28	26	24	25
Domestic	11	12	12	12
Foreign	17	14	12	13
Transpacific and interisland	5	4	5	6
Interisland only	13	14	10	9
Passenger carriers	9	11	6	6
Cargo and mail only	4	3	4	3

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.35-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR  
ARRIVING FLIGHTS: 1989 TO 1998**

<b>Year 1/</b>	<b>Total</b>	<b>Westbound and southbound</b>	<b>Eastbound and northbound</b>
1989	9,651,494	6,397,104	3,254,390
1990	10,345,753	6,500,170	3,845,583
1991	10,503,204	6,403,299	4,099,905
1992	9,955,705	5,603,600	4,352,105
1993	9,190,970	5,129,637	4,061,333
1994	9,002,630	5,191,824	3,810,806
1995	9,055,953	5,214,698	3,841,255
1996	9,297,363	5,408,371	3,888,992
1997	9,345,041	5,357,752	3,987,289
1998	8,789,685	5,322,048	3,467,637

1/ 1989-94: Revised, Hawaii Visitors and Convention Bureau, records. 1995-97: Special report prepared for the Hawaii Visitors and Convention Bureau by Reed Travel Group.

Source: Hawaii Visitors and Convention Bureau.

**Table 18.36-- CIVIL FLYING: 1990 TO 1993 and 1996**

Item	1990	1991	1992	1993	1996
Aircraft facilities, Dec. 31	50	48	47	47	46
Airports	34	33	32	32	30
Heliports	16	15	15	15	16
Public aircraft facilities, Dec. 31	16	17	17	18	18
Paved and lighted facilities, Dec. 31	12	12	13	13	13
Large aircraft in operation, Dec.	52	56	59	50	(NA)
Aloha Airlines	17	19	21	17	(NA)
Hawaiian Airlines	35	29	29	24	(NA)
Mid Pacific Airlines	-	8	9	9	(NA)
General aviation: 1/					
Active civil aircraft, Dec.	561	484	372	312	364
Hours flown (1,000)	278	259	176	140	155
Active personnel, Dec. 31:					
Pilots, except instructors	3,505	3,339	3,293	3,088	2,561
Flight instructors	309	350	388	360	378
Nonpilot airmen 2/	3,306	3,492	3,711	3,828	3,850

N/A Not available.

1/ Aircraft based in Hawaii. Data based on small samples with large standard errors (in 1996, 34.6 percent for aircraft and 52.3 percent for hours).

2/ Mechanics, parachute riggers, ground instructors, dispatchers, flight navigators, and flight engineers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual).

**Table 18.37-- SELECTED STATISTICS FOR ALOHA AND HAWAIIAN  
AIRLINES: 1993 AND 1997**

Subject	Aloha Airlines		Hawaiian Airlines	
	1993	1997	1993	1997
Number of aircraft	16	17	20	22
Employees, full-time equivalent	1,775	1,901	2,360	2,357
Aircraft departures	71,694	76,617	54,846	49,827
Passengers (1,000)	4,704	5,191	4,327	4,938
Revenue passenger miles (million)	629	721	2,868	3,134
Passenger revenues (million dollars)	175	195	264	332
Cargo revenues (million dollars)	31	30	13	20
Operating revenues (million dollars)	214	233	304	404
Operating profit/loss (million dollars)	3	6	(10)	2
Net profit/loss (million dollars)	1	4	(69)	(1)

Source: Air Transport Association, annual report, internet site <http://www.air-transport.org/data/ff.htm>

**Table 18.38-- HAWAII LOCATIONS AMONG THE TOP 30 DOMESTIC AIRLINE MARKETS: 1997**

[Includes all commercial airports in a metropolitan area.  
Does not include connecting passengers.]

<b>Rank</b>	<b>Origin or destination</b>	<b>Passengers (1,000)</b>
5	Honolulu - Kahului	2,620
15	Honolulu - Lihue	1,696
18	Honolulu - Kona	1,493
22	Honolulu - Los Angeles	1,423
26	Honolulu - Hilo	1,250

Source: Air Transport Association, *1998 ATA Annual Report*.  
Internet site <http://www.air-transport.org/data/ff98/ff98.htm>

**Table 18.39-- OVERSEAS AND INTER-ISLAND AIR PASSENGER  
MOVEMENTS: 1987 TO 1997**

[Calendar years. Data include both revenue and non-revenue passengers]

Year	Overseas passengers 1/			Inter-island passenger arrivals
	Arrivals	Departures	Through	
1987	6,265,211	6,317,747	1,109,850	8,802,594
1988	6,653,346	6,713,621	1,421,707	8,964,928
1989	7,022,986	7,234,653	1,167,954	9,634,077
1990	7,310,635	7,562,156	1,065,408	9,907,154
1991	7,135,595	7,215,323	1,020,464	9,368,576
1992	7,248,645	7,087,463	1,318,044	9,568,434
1993	6,924,571	6,907,236	1,298,684	9,345,320
1994	7,309,894	7,478,052	956,926	9,920,709
1995	7,517,273	7,692,494	750,495	10,388,281
1996	7,700,229	7,992,620	690,833	10,581,825
1997	7,788,367	7,874,798	706,030	10,448,099

1/ Includes West Coast, Canada, Europe, and the Central and South Pacific.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.40-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 1997**

Airport	Passengers 1/		Cargo (tons)		Mail (tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
<b>OVERSEAS</b>						
Total	2/ 7,874,798	7,788,367	212,495	181,799	25,606	55,168
Honolulu	2/ 6,941,107	6,740,962	201,757	174,411	25,437	55,144
Hilo	-	-	-	-	-	-
Kahului	770,110	828,364	6,988	5,772	167	23
Keahole-Kona	157,671	213,268	3,750	1,616	-	-
Lihue	5,910	5,773	-	-	2	1
<b>INTERISLAND</b>						
Total	10,448,099	10,448,099	86,577	86,577	15,636	15,636
Honolulu	4,645,878	4,846,369	49,983	29,242	10,317	5,284
Hilo	819,946	849,368	15,774	11,966	1,251	2,268
Upolu	-	9	-	-	-	-
Waimea-Kohala	1,300	830	54	21	48	121
Keahole-Kona	1,175,607	1,081,611	7,284	11,966	823	1,399
Kahului	2,208,703	2,070,434	8,984	22,122	2,195	4,643
Hana	5,126	4,955	1	-	-	-
Kapalua	88,485	89,444	236	482	-	-
Molokai	125,471	126,766	263	710	31	35
Kalaupapa	4,393	4,232	1	6	-	-
Lanai	88,777	89,626	154	721	37	31
Lihue	1,284,323	1,284,337	3,843	9,341	934	1,855
Princeville 3/	90	118	-	-	-	-

1/ Revenue and non-revenue, excluding Military Airlift Command (MAC).

2/ Excludes overseas passengers in transit (706,030, passing through Honolulu International Airport).

3/ Privately owned.

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.41-- AIR CARGO AND AIRMAIL: 1987 TO 1997**

[In thousands of pounds]

Calendar year	Overseas air cargo		Overseas airmail		Interisland	
	Outgoing	Incoming	Outgoing	Incoming	Air cargo: incoming	Airmail: incoming
1987	234,098	212,717	23,560	29,004	122,481	17,561
1988	284,783	247,174	27,764	31,028	130,203	18,847
1989	313,402	301,674	28,258	33,542	146,960	20,706
1990	295,326	337,724	32,022	38,198	145,418	22,848
1991	306,376	342,032	33,658	44,281	144,104	23,673
1992	305,224	305,658	39,268	66,052	153,912	25,594
1993	307,302	255,516	52,324	112,970	147,054	26,406
1994	339,086	308,962	47,921	121,964	148,904	27,964
1995	336,764	276,416	49,056	118,098	149,174	27,646
1996	355,466	296,856	48,654	114,408	160,784	29,572
1997	424,990	363,598	51,212	110,336	173,154	31,272

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.42-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1995**

[Data for the 548 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Northern hemisphere			
Toronto	10	10	-
Atlanta	12	5	7
Chicago	28	14	14
St. Louis	7	7	-
Dallas/Fort Worth	21	21	-
Denver	7	-	7
Las Vegas	21	7	14
Los Angeles	143	143	-
Seattle	21	21	-
Portland	11	4	7
San Francisco	61	61	-
Vancouver	15	15	-
Guam	10	10	-
Sapporo	5	5	-
Sendai	1	1	-
Tokyo, Narita	77	63	14
Nagoya	14	14	-
Osaka, Kansai	31	31	-
Fukuoka	14	14	-
Seoul	24	24	-
Taipei	12	7	5
Manila	19	14	5
Southern hemisphere			
Papeete	1	1	-
Pago Pago	2	2	-
Nadi	3	3	-
Auckland	11	7	4
Sydney	11	4	7
Denpasar	5	5	-

1/ By longitude going west.

Source: Greeters of Hawaii, *Jiffisked* <sup>[tm]</sup> July 1995. Courtesy of Greeters of Hawaii, Ltd.,  
P.O. Box 29638, Honolulu, HI 96820.

**Table 18.43-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1996**

[Data for the 587 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Northern hemisphere			
Toronto	10	10	-
Detroit	21	21	-
Atlanta	14	14	-
Chicago	37	14	23
St. Louis	9	9	-
Minneapolis	14	14	-
Dallas/Fort Worth	21	21	-
Denver	14	14	-
Las Vegas	13	6	7
San Diego	14	14	-
Los Angeles	151	151	-
Seattle	21	21	-
San Francisco	73	73	-
Vancouver	17	17	-
Guam	13	13	-
Sapporo	7	7	-
Sendai	3	3	-
Tokyo, Narita	80	80	-
Tokyo, Haneda	5	5	-
Nagoya	14	14	-
Osaka, Kansai	31	31	-
Hiroshima	1	1	-
Fukuoka	14	14	-
Seoul	31	24	7
Taipei	6	6	-
Manila	13	13	-
Bangkok	7	7	-

Continued on next page.

**Table 18.43-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1996 -- Con.**

[Data for the 587 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Southern hemisphere			
Papeete	1	1	-
Rarotonga	1	1	-
Pago Pago	3	3	-
Apia	1	1	-
Tongatapu	1	1	-
Nadi	5	5	-
Auckland	12	5	7
Sydney	10	10	-
Melbourne	7	7	-
Denpasar	5	5	-

1/ By longitude going west.

Source: Greeters of Hawaii, *Jiffisked*<sup>[tm]</sup> July 1996. Courtesy of Greeters of Hawaii, Ltd., P.O. Box 29638, Honolulu, HI 96820.

**Table 18.44-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1997**

[Data for the 565 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Northern hemisphere			
Toronto	10	10	-
Detroit	7	7	-
Atlanta	14	7	7
Chicago	23	14	9
St. Louis	7	7	-
Minneapolis	7	7	-
Dallas/Fort Worth	21	21	-
Denver	14	7	7
Phoenix	2	-	2
Las Vegas	14	7	7
San Diego	14	14	-
Los Angeles	137	137	-
Seattle	35	28	7
Portland	7	7	-
San Francisco	88	88	-
Vancouver	15	15	-
Anchorage	1	1	-
Guam	10	10	-
Sapporo	7	7	-
Sendai	5	5	-
Tokyo, Narita	79	65	14
Tokyo, Haneda	5	5	-
Nagoya	14	14	-
Osaka, Kansai	35	35	-
Hiroshima	1	1	-
Fukuoka	14	14	-
Seoul	31	31	-
Taipei	11	11	-
Manila	9	9	-
Bangkok	7	7	-

Continued on next page.

**Table 18.44-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1997 -- Con.**

[Data for the 565 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Southern hemisphere			
Papeete	1	1	-
Rarotonga	1	1	-
Pago Pago	2	2	-
Apia	1	1	-
Tongatapu	1	1	-
Nadi	5	5	-
Auckland	10	10	-
Sydney	7	7	-
Melbourne	7	7	-
Denpasar	5	5	-

1/ By longitude going west.

Source: Greeters of Hawaii, *Jiffisked* <sup>[tm]</sup> July 1997. Courtesy of Greeters of Hawaii, Ltd., P.O. Box 29638, Honolulu, HI 96820.

**Table 18.45-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1998**

[Data for the 498 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Northern hemisphere			
Boston	7	7	-
Newark	7	7	-
Toronto	6	6	-
Detroit	21	21	-
Atlanta	14	7	7
Chicago	9	7	2
St. Louis	7	7	-
Minneapolis	7	7	-
Houston	7	7	-
Dallas/Fort Worth	21	21	-
Denver	7	-	7
Phoenix	2	-	2
Las Vegas	15	7	8
San Diego	9	9	-
Los Angeles	123	123	-
Seattle	21	21	-
San Francisco	67	67	-
Vancouver	16	16	-
Anchorage	2	2	-
Majuro	1	1	-
Guam	2	2	-
Sapporo	7	7	-
Sendai	6	6	-
Tokyo, Narita	60	60	-
Tokyo, Haneda	5	-	5
Nagoya	14	14	-
Osaka, Kansai	28	28	-
Hiroshima	2	2	-
Fukuoka	7	7	-
Seoul	7	7	-
Taipei	13	13	-
Manila	2	2	-

Continued on next page.

**Table 18.45-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1998 -- Con.**

[Data for the 587 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Southern hemisphere			
Papeete	1	1	-
Rarotonga	1	1	-
Pago Pago	3	3	-
Apia	1	1	-
Tongatapu	1	1	-
Nadi	4	4	-
Auckland	13	13	-
Sydney	7	7	-
Melbourne	7	7	-
Marana	2	2	-

1/ By longitude going west.

Source: Greeters of Hawaii, *Jiffisked* <sup>[tm]</sup> July 1998. Courtesy of Greeters of Hawaii, Ltd., P.O. Box 29638, Honolulu, HI 96820.

**Table 18.46-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1999**

[Data for the 588 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Northern hemisphere			
London	7	7	-
Newark	7	7	-
Toronto	12	12	-
Tampa	7	7	-
Detroit	7	7	-
Atlanta	14	14	-
Chicago	16	16	-
St. Louis	7	7	-
Minneapolis	14	14	-
Houston	7	7	-
Dallas/Fort Worth	29	22	7
Denver	14	-	14
Salt Lake City	7	7	-
Phoenix	2	2	-
Las Vegas	15	15	-
Los Angeles	117	81	36
Seattle	26	19	7
San Francisco	69	55	14
Portland	7	7	-
Vancouver	17	17	-
Anchorage	2	2	-
Guam	12	12	-
Sapporo	7	7	-
Sendai	6	6	-
Tokyo, Narita	60	60	-
Tokyo, Haneda	5	5	-
Niigata	1	1	-
Nagoya	7	7	-
Osaka, Kansai	28	28	-
Hiroshima	2	2	-
Fukuoka	7	7	-
Seoul	7	7	-
Taipei	12	12	-

Continued on next page.

**Table 18.46-- FLIGHTS SCHEDULED TO DEPART HONOLULU  
INTERNATIONAL AIRPORT, BY DESTINATION: JULY 1999 -- Con.**

[Data for the 588 transpacific flights scheduled to depart from Honolulu during a one-week period]

Destination 1/	Flights during week		
	Total	Final destination	Intermediate point
Southern hemisphere			
Papeete	1	1	-
Rarotonga	1	1	-
Pago Pago	3	3	-
Apia	1	1	-
Tongatapu	1	1	-
Nadi	4	2	2
Auckland	13	13	-
Sydney	7	7	-

1/ By longitude going west.

Source: Greeters of Hawaii, *Jiffisked*<sup>[m]</sup> July 1999. Courtesy of Greeters of Hawaii, Ltd., P.O. Box 29638, Honolulu, HI 96820.

**Table 18.47-- AIR FARES BETWEEN HONOLULU AND SELECTED MAINLAND CITIES, BY UNITED AIRLINES: 1993 TO 1998**

[As of July 1. Unrestricted one-way weekday coach fares in dollars ]

<b>Between Honolulu and--</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998 1/</b>
San Francisco	566	566	596	530	521	521
Los Angeles	586	586	716	530	521	521
Chicago	886	886	916	-	925	924

1/ As of July 27.

Source: United Airlines, Customer Relations, records.

**Table 18.48-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY HAWAIIAN AIRLINES: 1993 TO 1998**

[As of July 1. Prior to May 21, 1997, fares were identical between Honolulu and each of the Neighbor Islands]

Category	1993	1994	1995	1996	1997 1/		1998
					Zone 1	Zone 2	
Regular fare	74	74	74	85	78	80	88
Kamaaina fare: 2/							
Monday - Thursday	51	56	56	48	45	47	3/ 55
Friday - Sunday	59	64	64	48	47	49	3/ 57

1/ Fares based upon zones were used for only a short period of time.

2/ Available only to Hawaii residents.

3/ Lowest of three levels of kamaaina fares.

Source: Hawaiian Airlines, records.

**Table 18.49-- AIR FARES BETWEEN HONOLULU AND LOS ANGELES, SAN FRANCISCO, AND SEATTLE, FOR MAJOR AIRLINES: JULY 2-8, 1998**

[Dollars. Includes taxes but does not reflect \$3.00 airport charge where applicable]

Carrier and fare category	Los Angeles	San Francisco	Seattle
United Airlines, one-way:			
First class	986	1/ 1,229	986
Coach (unrestricted)	522	1/ 522	522
United Airlines, round-trip:			
First class	1,975	2,458	2,626
Coach (unrestricted)	878	1,044	1,020
Major carriers, lowest round-trip: 2/			
United Airlines	497	494	447
Lowest carrier	497	494	447
Highest carrier	497	494	680

1/ For annual midyear (July 1) data on United Airlines unrestricted one-way coach fares, 1980-1997, see *Data Book 1997*, table 7.29. For earlier years, see Robert C. Schmitt, *What People Paid to Travel* (Hawaiian Historical Society, January 1991), table 12, pp. 40-41.

2/ Restrictions apply. Fares are subject to change without notice. Payment up to 21 days before travel may be required. Fare may not be available for travel on certain days of the week or holidays.

Source: *Honolulu Star-Bulletin*, July 3, 1998, p. D-1; United Airlines, records.

**Table 18.50-- STATE COMMERCIAL HARBORS: 1997**

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet)	Storage area (1,000 square feet)	
		Depth (feet)	Length (feet)	Width (feet)		Shedded	Open
Hawaii:							
Hilo	35	35	2,300	1,400	2,787	122	566
Kawaihae	40	35	1,500	1,450	1,562	23	427
Maui:							
Kahului	35	35	2,400	2,050	3,019	86	888
Molokai:							
Kaunakakai	23	23	1,500	600	691	7.4	129
Oahu:							
Honolulu: 1/ Main	} 45	40	{ 3,300	1,520	} 29,308	1,380	8,460
Kapalama			{ 3,400	1,000			
Barbers Point	42	38	2,100	1,800	1,860	-	1,647
Kauai:							
Nawiliwili	40	35	1,950	1,540	2,068	70	1,379
Port Allen	35	35	1,500	1,200	1,200	35	32

1/ The piers were 28,631 linear feet in 1996. All other figures in this table are identical in 1996 and 1997.  
 Source: Hawaii State Department of Transportation, Harbors Division, unpublished data.

**Table 18.51-- HARBOR DEPTHS: 1996**

[In feet]

Harbor	Controlling depth		Project depth	
	Entrance channel	Basin	Entrance channel	Basin
Hilo	...	34	...	35
Kawaihae	42	36	40	35
Kahului	...	34	...	35
Honolulu	45	40	45	40
Barbers Point	42	37	42	38
Nawiliwili	41	34	40	35

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 1996*, Part 4 (November 1997), pp. 49-56.

**Table 18.52-- SMALL CRAFT MOORING FACILITIES,  
BY ISLANDS: SEPTEMBER 30, 1995**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,738	1,604	504	421	520	365
Hawaii	251	250	159	120	85	85
Maui	76	73	172	165	91	91
Oahu	1,329	1,208	154	123	344	189
Kauai	82	73	19	13	-	-

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.53-- SMALL CRAFT MOORING FACILITIES,  
BY ISLANDS: DECEMBER 31, 1996**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,819	1,645	407	353	493	385
Hawaii	251	243	119	105	37	76
Maui	135	132	112	111	128	106
Oahu	1,317	1,160	153	119	216	203
Kauai	116	110	27	18	112	-

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.54-- SMALL CRAFT MOORING FACILITIES,  
BY ISLANDS: DECEMBER 31, 1997**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,842	1,583	432	530	424	303
Hawaii	274	267	146	134	16	45
Maui	135	132	110	107	94	71
Oahu	1,317	1,086	153	272	202	186
Kauai	116	98	23	17	112	1

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.55-- SMALL CRAFT MOORING FACILITIES,  
BY ISLANDS: DECEMBER 31, 1998**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,821	1,649	331	322	472	307
Hawaii	302	297	47	82	28	32
Maui	135	134	111	108	130	102
Oahu	1,268	1,125	152	118	202	167
Kauai	116	93	21	14	112	6

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.56-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLANDS:  
1998**

[Includes all lights, day beacons, buoys, and similar aids to navigation in the Hawaiian Archipelago]

Island	Number of aids to navigation				Greatest nominal range (naut. miles)	Highest above--	
	By control			Light-houses		Sea level (feet)	Ground (feet)
	Total	Federal	Other 1/				
Total	559	293	266	20	2/ 25	3/ 913	4/ 138
Hawaii	78	50	28	8	24	156	115
Maui	53	23	30	2	24	170	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	3	1	2	-	7	120	20
Lanai	14	8	6	1	8	91	13
Molokai	18	11	7	5	25	213	138
Oahu	325	154	171	4	25	913	71
Kauai	47	25	22	-	25	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	43	38
At sea	78	10	68	-	-	-	-

1/ State and private. Includes State-maintained fish aggregating buoys at sea.

2/ Molokai Light, Kaena Point Light, and Kilauea Light.

3/ Kaena Point Light.

4/ Molokai Light.

Source: 14th Coast Guard District, records.

**Table 18.57-- UNDOCUMENTED STATE-REGISTERED VESSELS:  
DECEMBER 31, 1997**

Subject	Number	Subject	Number
Certificates outstanding	15,138	Type of vessel:	
Length:		Cabin motorboat	2,540
Under 16 feet	5,873	Open motorboat	5,567
16 to less than 26 feet	7,529	Runabout	2,877
26 to less than 40 feet	1,532	Sail/inboard	660
40 to 65 feet	188	Sail/outboard	605
Over 65 feet	16	Sail only	698
Hull material:		Motor vessel over 65 feet	5
Wood	807	Thrill craft under 16 feet	1,070
Fiberglass	12,553	Other	1,116
Metal	552	Uses:	
Inflatable	988	Pleasure	13,691
Other	238	Commercial fishing	441
Propulsion:		Charter fishing	20
Inboard	938	Commercial passenger	255
Outboard	8,704	Other commercial	84
Inboard/outboard	2,274	Livery	243
Sail/inboard	652	Dealer or manufacturer	23
Sail/outboard	597	Youth group	72
Sail only	689	Government	269
Manual	191	Other	40
Waterjet	1,052	Island where vessel is kept:	
Other	41	Hawaii	2,235
Type of storage:		Kauai	1,552
Moored on water	4,031	Lanai	92
Moored on land	11,107	Maui	1,509
		Molokai	182
		Oahu	9,568

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration* (annual).

**Table 18.58-- DOCUMENTED AND NUMBERED VESSELS REGISTERED IN  
HAWAII: 1991 TO 1997**

<b>Category</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
Documented 1/ Numbered 2/	1,775 13,592	(NA) 13,973	(NA) 13,832	(NA) 13,839	(NA) 14,470	(NA) 15,177	(NA) 15,138

NA Not available.

1/ Vessels documented under the laws of the United States with the U.S. Coast Guard in Hawaii. All vessels over five net tons, used for commercial purposes, must be documented. In addition, yachts over five net tons may be documented. As of June 30 through 1990 and December 4, 1991. Series discontinued after 1991.

2/ Non-documented numbered vessels registered with the Hawaii State Department of Transportation. Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered. As of December 31.

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration (annual)*.

**Table 18.59-- BOATING ACCIDENTS: 1989 TO 1998**

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured, not fatally		
1989	40	1	1	28	48	216.8
1990	21	2	3	6	25	271.7
1991	19	3	5	14	19	189.5
1992	19	(NA)	3	5	(NA)	472.4
1993	19	3	3	4	25	219.4
1994	25	3	4	9	28	256.9
1995	91	(NA)	18	(NA)	(NA)	(NA)
1996	46	(NA)	3	(NA)	(NA)	(NA)
1997	43	(NA)	3	(NA)	(NA)	(NA)
1998	42	(NA)	4	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual); Hawaii State Department of Transportation, Harbors Division, Boating Branch, *Reportable Boating Accident Statistics for Period 1988 to 1990* and *Recreational Boating Accident Statistics (Reportable) 1989 to 1991*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Recreational Boating Accident Statistics 1991 through 1993*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, records.

**Table 18.60-- VESSEL ARRIVALS, BY DRAFT: 1995 AND 1996**

[Excludes domestic fishing craft]

Harbor	1995			1996		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	835	798	37	897	844	53
Kawaihae	705	703	2	734	726	8
Kahului	1,238	1,211	27	1,333	1280	53
Kaunakakai	1,802	1,802	-	1,282	2/ 1282	-
Kalaupapa	31	31	-	5	5	-
Honolulu	7,999	6,215	1,784	7,972	6,259	1,713
Barbers Point	1,227	1,096	131	1,160	1,035	125
Nawiliwili	620	593	27	664	630	34
Port Allen	299	1/ 299	-	379	3/ 379	-

1/ 29 feet and less.

2/ 21 feet and less.

3/ 23 feet and less.

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States* (annual), Part 4.

**Table 18.61-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF  
HONOLULU: 1984 TO 1998**

[Years ended June 30]

Year	Overseas vessels		Interisland vessels	
	Number	Cargo tonnage	Number	Cargo tonnage
1984	1,686	4,870,182	2,660	2,369,863
1985	1,749	5,071,250	2,412	1,884,925
1986	1,825	5,379,135	2,697	2,121,858
1987	2,080	5,736,005	2,848	2,135,235
1988	2,014	6,586,749	3,172	2,746,776
1989	2,024	6,877,963	3,101	2,892,709
1990	2,159	7,439,568	3,212	2,917,984
1991	2,066	6,939,735	3,190	3,962,085
1992	2,104	8,235,947	3,207	3,101,050
1993	1,918	7,462,619	2,440	2,731,645
1994	1,603	6,434,257	2,737	2,372,971
1995	1,790	6,064,842	2,996	2,096,597
1996	1,650	6,150,398	2,831	2,349,354
1997	1,604	6,244,158	2,679	2,312,266
1998	1,320	6,732,716	4,309	1,765,496

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.62-- OVERSEAS AND INTERISLAND PASSENGER ARRIVALS  
AND DEPARTURES, FOR HONOLULU HARBOR: 1993 TO 1998**

[Fiscal years ended June 30]

<b>Type of passenger</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
Overseas:						
In	14,712	14,502	17,517	14,851	18,262	25,570
Out	14,942	14,502	17,957	16,128	17,527	28,932
Interisland:						
In	61,563	68,229	68,699	44,982	46,825	43,522
Out	61,563	68,229	68,849	45,159	40,558	43,754

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.63-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:  
1986 TO 1996**

[1,000 short tons. Excludes cargo carried by Army and Navy vessels and cargo in transit]

Year	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
1986	1,199	592	1,627	8,604	5,629	745
1987	1,366	871	2,035	9,737	7,135	916
1988	1,456	655	2,157	10,655	7,511	876
1989	1,569	732	2,279	10,360	7,374	1,038
1990	1,690	887	2,409	11,341	8,034	959
1991	1,556	745	2,434	11,208	9,002	1,005
1992	1,588	790	2,357	11,522	8,824	1,143
1993	1,469	655	2,216	10,595	9,357	1,283
1994	1,455	736	2,368	11,672	9,022	1,151
1995	1,354	873	2,586	11,545	8,233	1,130
1996	1,442	969	2,828	12,010	8,745	1,203

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States*, Calendar Year 1990, Part 4, pp. 82-101 and 1996, Part 4, pp. 49-57.

**Table 18.64-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC, FOR SPECIFIED HARBORS: 1996**

[In thousands of short tons]

Category	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
All freight traffic	1,442	969	2,828	12,010	8,745	1,203
Foreign, except Canadian:						
Imports	84	-	67	1,423	4,545	-
Exports	1	-	-	189	759	-
Canadian:						
Imports	-	-	9	48	-	7
Exports	-	-	-	-	-	-
Domestic, total	1,357	969	2,752	10,350	3,441	1,197
Coastwise: 1/						
Receipts	951	732	1,686	5,632	2,731	599
Shipments	405	237	1,065	4,612	702	598
Internal, total 2/	-	-	-	107	8	-

1/ Includes both interisland and interstate.

2/ Includes intraport.

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 1996*, Part 4 (November 1997), pp. 49-58.

**Table 18.65-- WATERBORNE COMMERCE, BY COMMODITIES, FOR  
SPECIFIED HARBORS: 1996**

[In thousands of short tons]

Port and commodity 1/	Total	Receipts 2/	Shipments 3/
Hilo	1,442	1,035	406
Fabricated non-ferrous metal products	532	281	250
Kawaihae	969	732	237
Fabricated non-ferrous metal products	577	442	135
Kahului	2,828	1,762	1,065
Petroleum and petroleum products	414	414	-
Fabricated non-ferrous metal products	1,039	569	469
Food and farm products	553	151	402
Manufactured equipment, machinery, products	450	298	152
Kaunakakai	205	(NA)	(NA)
Honolulu	12,010	7,103	4,908
Petroleum and petroleum products	2,555	1,926	629
Fabricated non-ferrous metal products	2,971	1,318	1,652
Food and farm products	2,506	1,629	878
Vehicles and parts	894	398	496
Barbers Point	8,745	7,276	1,469
Petroleum and petroleum products	7,858	6,556	1,303
Nawiliwili	1,203	606	598
Fabricated non-ferrous metal products	567	280	287
Food and farm products	300	73	227

NA Not available.

1/ Shown separately for commodities of 300,000 or more tons.

2/ Includes foreign imports and coastwise receipts.

3/ Includes foreign exports and coastwise, internal and intraport shipments.

Source: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 1996*, Part 4 (November 1997), pp. 49-58.

**Table 18.66-- TRANSPORTATION, COMMUNICATION, AND UTILITY  
INDUSTRIES, WITH AND WITHOUT PAYROLL: 1992**

SIC code	Kind of business	Number of establishments			Revenue (million dollars)		
		Total	With payroll	Without payroll	Total	With payroll	Without payroll
41	Passenger transportation	1,534	117	1,417	205	179	26
42	Motor freight transportation, warehousing	601	312	289	404	393	11
44	Water transportation	147	97	50	453	452	1
45pt.	Air transportation 1/	164	113	51	415	412	3
46	Pipelines, exc. natural gas	-	-	-	-	-	-
47	Transportation services	1,477	626	851	421	401	20
48	Communications	311	211	100	926	924	2
49	Electric, gas, sanitary services	90	57	33	946	944	1

1/ Data exclude large, certificated passenger carriers that report to the Office of Airline Statistics.

Source: U.S. Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities, Nonemployer Statistics Series, Summary*, UC92-N-1 (March 1995), table 3.

**Table 18.67-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND  
DESTINATION: 1993**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	11,462	24,748	(S)
Destination:			
Hawaii	10,616	22,071	700
Other states	846	2,677	(S)
California	578	1,472	3,818
Washington	32	90	256
Rest of U.S.	236	1,115	(S)
Mode of transportation:			
Single modes:			
Truck	7,033	12,549	155
Air	110	(S)	(S)
Other	(D)	(D)	(D)
Multiple modes:			
Truck and air	284	39	21
Truck and water	676	1,131	1,994
Other multiple	(S)	(S)	(S)
Other and unknown modes	1,469	(S)	(S)
Distance shipped:			
Less than 50 miles	8,848	19,890	282
50 to 1,999 miles	1,768	2,182	(S)
2,000 miles or more	847	2,676	(S)
Commodity:			
Farm products	555	387	(S)
Food or kindred products	2,882	3,015	2,837
Chemicals or allied products	969	(S)	(S)
Petroleum or coal products	2,849	12,901	(S)
Transportation equipment	531	53	-
Other commodities	3,676	(S)	(S)

(D) Withheld to avoid disclosing data for individual companies.

(S) Data do not meet publication standards due to high sampling variability or other reasons.

Source: U.S. Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities, 1993 Commodity Flow Survey, Hawaii*, TC92-CF-12 (March 1996), pp. 3, 4, 10, 23.