

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, 1997 Economic Census, 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: 2001*, Section 23.

Table 18.01-- HIGHWAY DISTANCES: 2000

Route		Route	
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	8.0
Hilo-Mauna Loa summit	52.4	Kaunakakai-Halawa	27.6
Hilo-Volcano House	30.7	Airport-Sheraton Hotel	11.5
Hilo-Kailua, via Naalehu	123.0		
Hilo-Kailua, via Saddle Rd.	84.0	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	55.7	Honolulu-UH, via King Street	3.2
Hilo-Upolu Pt., via Hamakua	89.6	Honolulu-Waikiki	3.2
Hilo-Kawaihae, via Hamakua	67.5	Honolulu-Waimanalo, via Koko Head	21.2
Waimea-Hawi	20.2	Honolulu-Waimanalo, via Nuuanu	16.0
Waimea-Kawaihae	10.0	Honolulu-Kailua, via Nuuanu	13.0
Kawaihae-Hawi	17.3	Honolulu-Kaneohe, via Kalihi	12.0
Kawaihae-Kailua	34.3	Honolulu-Kahuku, via Kahaluu	38.0
Kailua-Keahole Airport	7.3	Honolulu-Kahuku, via Wahiawa	48.0
Kailua-Keauhou	5.7	Honolulu-Kaena Pt., via Wahiawa	43.4
		Honolulu-Kaena Pt., via Waianae	43.7
MAUI		Honolulu-Wahiawa	23.0
		Honolulu-Pearl Harbor Shipyard	8.0
Wailuku-Kahului	2.3	Honolulu-Honolulu Airport	6.5
Wailuku-Kahului Airport	4.2	Waikiki-UH, via Kapahulu	3.2
Wailuku-Hana, via Keanae	53.2	Waikiki-Honolulu Airport	8.0
Wailuku-Hana, via Kaupo	59.8	Waimanalo-Kahuku	32.6
Wailuku-Haleakala summit	38.2	Circle island, via Makapuu	99.5
Wailuku-Makena	17.9	Circle island, via Nuuanu Pali	81.6
Wailuku-Lahaina, via Kahakuloa	38.0		
Wailuku-Lahaina, via Olowalu	20.9	KAUAI	
Kahului-Kihei	8.2		
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
		Lihue-Kalalau Lookout	44.6
Lanai City-Lanai Airport	3.1	Poipu-Kalalau Lookout	36.8
Lanai City-Hulopoe	7.5	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, 1998 AND 1999

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

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
1998				
State total	4,216.95	88.58	3,930.44	197.93
Hawaii	1,484.23	-	1,424.93	59.30
Maui	617.77	-	561.07	56.70
Lanai	129.26	-	117.26	12.00
Molokai	46.59	-	35.59	14.00
Oahu	1,527.11	88.58	1,405.09	33.44
Kauai	411.99	-	389.50	22.49
Niihau	-	-	-	-
1999				
State total	4,256.14	88.58	3,969.63	197.93
Hawaii	1,493.69	-	1,434.39	59.30
Maui	620.08	-	563.38	56.70
Lanai	134.86	-	122.86	12.00
Molokai	47.54	-	33.54	14.00
Oahu	1,547.56	88.58	1,425.54	33.44
Kauai	412.41	-	389.92	22.49
Niihau	-	-	-	-

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

Table 18.03-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED: 1990 TO 2000

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

Category	1990	1994	1997	1998	1999	2000
Total mileage	4,101	4,100	4,164	4,218	4,256	4,299
Paved	3,887	3,902	3,966	4,020	4,056	4,127
Unpaved	214	198	198	198	198	172

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

Table 18.04-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 2000

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
State	760	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	455	Airport Viaduct	14,890	Kipapa	156
Kauai	54	Hanamaulu	1,150	Wahiawa, Koloa	90

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

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

Table 18.05-- CONDITION OF BRIDGES: 1998 AND 2000

Area	Total Number	Deficient and obsolete					
				Structurally deficient		Functionally absolute	
		Number	Percent	Number	Percent	Number	Percent
1998							
U.S.	582,984	172,582	29.6	93,076	16.0	79,506	13.6
Hawaii	1,060	541	51.0	127	12.0	414	39.1
2000							
U.S.	587,755	167,993	28.6	87,106	14.8	80,887	13.8
Hawaii	1,066	550	51.6	201	18.9	349	32.7

Source: U.S. Federal Highway Administration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2000 (table 1016), and 2001 (table 1078)

<<http://www.census.gov/prod/2002pubs/01statab/trans.pdf>> accessed March 11, 2002.

Table 18.06-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2000

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 18.07-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:
1991 TO 2001**

[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
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
1999	929,474	906,935	725,142	59	3,028
2000	964,738	941,242	754,840	56	2,902
2001	986,555	967,146	775,737	53	2,847

Year	Motor vehicles -- continued				
	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers
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
1999	161,067	407	224	17,008	22,539
2000	165,104	409	270	17,661	23,496
2001	168,414	495	314	19,286	19,409

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 18.08-- MOTOR VEHICLES REGISTERED, BY COUNTIES:
1991 TO 2001**

[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]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
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
1999	906,935	597,610	126,039	57,882	125,404
2000	941,242	614,985	132,305	61,316	132,636
2001	967,146	631,232	136,786	62,655	136,473

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

Table 18.09-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR COUNTIES: 2001

[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	986,555	643,974	137,802	65,233	139,546
Motor vehicles	967,146	631,232	136,786	62,555	136,473
Passenger vehicles 1/	775,737	519,566	105,008	45,284	105,879
Ambulances	53	31	10	-	12
Buses	2,847	2,269	257	13	308
Trucks 1/	168,414	95,562	28,587	16,397	27,868
Truck tractors	495	256	108	32	99
Truck cranes	314	197	42	13	62
Motorcycles, motorscooters 2/	19,286	13,351	2,774	916	2,245
Trailers and semi-trailers	19,409	12,742	1,016	2,578	3,073

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 18.10-- VEHICLE REGISTRATION, BY TAXATION STATUS, FOR COUNTIES: 2001

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

Taxation status	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total registered	947,865	617,886	134,012	61,739	134,228
Taxable vehicles	880,692	554,026	132,711	60,926	133,029
Exempt vehicles	67,173	63,860	1,301	813	1,199
Federal government	369	348	16	1	4
State government	5,326	5,325	1	-	-
County government	6,692	4,545	627	557	963
Fire department	236	60	113	34	29
Police department	1,647	1,281	364	-	2
Consulates	60	60	-	-	-
Disabled veterans	142	83	10	45	4
Military non-resident	52,209	51,901	93	167	48
Farm	330	119	62	6	143
Horseless carriage	55	42	11	2	-
Electric vehicles	107	96	4	1	6

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

**Table 18.11-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTIES: 2000**

Vehicles available	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
Occupied units	403,240	52,985	286,450	115	20,183	43,507
None	44,280	3,655	36,614	13	1,221	2,777
1	149,369	19,499	107,393	63	6,770	15,644
2	143,919	21,017	97,752	39	8,229	16,882
3 or more	65,672	8,814	44,691	-	3,963	8,204

Source: U.S. Bureau of the Census, Census 2000, Table DP-4, Profile of Selected Housing Characteristics: 2000.

Table 18.12-- TRUCK CHARACTERISTICS: 1982 TO 1997

Category (100 percent)	Selected characteristic	Percent of category			
		1982	1987	1992	1997
Total trucks (1,000)		...	160.8	280.3	294.2
Major use	Personal transportation	54.3	60.5	61.7	70.5
Body type	Pickup, panel, mini-van, and sport utility 1/	89.1	91.2	93.8	94.9
Vehicle size	Light	92.9	94.6	95.6	95.9
Annual miles	Less than 10,000	59.7	57.0	50.0	44.1
Year model	Over 4 years old	75.8	62.1	66.8	74.1
Vehicle acquisition	Purchased new	47.3	49.6	54.3	48.3
Truck type	Single-unit, 2 axles	96.6	96.4	96.6	97.7
Range of operation	Local	78.2	80.2	79.3	81.1
Fuel type	Diesel, liquefied gas, and other	3.7	5.4	4.7	4.8

1/ Includes station wagons and vans similar to panel trucks.

Source: U.S. Census Bureau, *1997 Economic Census, Vehicle Inventory and Use Survey, Hawaii*, EC97TV-HI (November 1998), tables 1a and 2 <<http://www.census.gov/econ/www/viusmain.html>>.

**Table 18.13-- NEW PASSENGER CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY COUNTIES: 1992 TO 1999**

Year	State total	Honolulu	Maui	Hawaii	Kauai
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
1998	74,408	40,249	17,332	9,553	7,274
1999	82,928	43,637	19,685	11,379	8,227

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

**Table 18.14-- NEW PASSENGER CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 1997 TO 1999**

Nameplate	1997		1998		1999	
	Rank	Units	Rank	Units	Rank	Units
All nameplates	...	71,777	...	74,408	...	82,928
Chevrolet/GEO	1	11,848	1	12,380	1	13,601
Ford	2	11,781	2	11,288	2	12,134
Toyota	3	7,634	3	8,176	3	9,084
Dodge	4	6,210	4	6,463	4	6,300
Nissan	5	5,204	5	5,745	5	6,034
Honda	6	4,823	6	4,531	6	5,660
All others	...	24,277	...	25,825	...	30,115

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

**Table 18.15-- NEW PASSENGER CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, RETAIL AND RENTAL, BY PLACE OF MANUFACTURE:
1999**

Year and place of manufacture	Cars and trucks	Cars			Trucks		
		Total	Retail	Rental	Total	Retail	Rental
1999, total	82,928	73,452	35,927	37,525	9,476	9,127	349
Domestic	51,439	45,362	12,323	33,039	6,077	5,736	341
Imports	31,489	28,090	23,604	4,486	3,399	3,391	8
Percent imports	37.97	38.24	65.70	11.95	35.87	37.15	2.29

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

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTIES:
1991 TO 2001**

[As of December 31]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
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
1998	746,329	520,734	98,252	42,363	84,980
1999	752,693	521,671	100,331	43,141	87,550
2000	769,383	529,890	104,058	44,471	90,964
2001	787,820	542,244	106,557	45,424	93,595

Source: Hawaii State Department of Transportation.

**Table 18.17-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE
AND SEX: DECEMBER 31, 2000 AND 2001**

Age	Both sexes		Male		Female	
	2000	2001	2000	2001	2000	2001
Total	769,383	787,820	405,584	415,555	363,799	372,265
15 to 19 years	40,698	33,598	21,879	17,969	18,819	15,629
20 to 24 years	66,100	69,631	35,351	37,349	30,749	32,282
25 to 34 years	144,257	147,395	74,961	76,858	69,296	70,537
35 to 44 years	167,841	168,672	85,957	86,666	81,884	82,006
45 to 54 years	158,032	164,116	82,438	85,493	75,594	78,623
55 to 64 years	94,036	101,920	50,492	54,736	43,544	47,184
65 to 74 years	62,563	64,079	33,258	34,054	29,305	30,025
75 to 84 years	31,678	33,762	18,377	19,343	13,301	14,419
85 years and over	4,178	4,647	2,871	3,087	1,307	1,560
Median age (years)	43	43	43	44	43	43

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

**Table 18.18-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES,
1990 TO 2000, AND BY COUNTIES, 2000**

Year and county	Highway fuel consumption 1/		Vehicle miles of travel	
	Total (1,000 gallons)	Gallons per vehicle 2/	Total (millions)	Per vehicle 2/
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
1999	417,374	460	8,215.2	9,058
2000	428,425	455	8,525.7	9,058
COUNTIES: 2000				
Honolulu	268,841	438	5,402.7	8,807
Hawaii	72,382	967	1,295.0	9,734
Kauai	26,604	425	645.4	10,301
Maui	60,598	459	1,182.6	8,955

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: 1998 TO 2000**

Site	1998	1999	2000
Pali Highway at tunnels	46,237	45,785	45,742
Likelike Highway at tunnels	32,515	31,937	30,762
H-1 Freeway at Manoa-Palolo Drainage Canal	114,395	115,205	115,239
H-1 Freeway at Kapalama Drainage Canal Bridge	222,631	222,016	208,152
Nimitz Highway at Kapalama Drainage Canal Bridge	71,277	75,545	79,505
Kalaniana'ole Highway east of Ainakoa Ave.	83,616	84,933	84,664

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

**Table 18.20-- ROADWAY CONGESTION FOR THE HONOLULU URBANIZED
AREA AND THE AVERAGE OF URBANIZED AREAS IN THE
UNITED STATES: 1997 AND 1999**

Subject	Honolulu		U.S. (average)	
	1997	1999	1997 1/	1999 2/
Freeway daily vehicle miles of travel (1,000)	5,720	5,715	15,030	15,960
Per lane-mile of freeway	14,300	14,290	15,240	15,890
Annual person hours of delay	13,220	13,420	63,560	65,930
Per person	19	19	35	36
Annual congestion cost:				
Per person (dollars)	325	345	585	625
Delay and fuel cost (mil. dol.)	230	240	1,060	1,145
Fuel wasted (gal. per person)	30	30	(NA)	55

NA Not available.

1/ 68 urbanized areas.

2/ 41 urbanized areas.

Source: Texas Transportation Institute, as cited in *Statistical Abstract of the United States: 2000*, table 1034, and *Statistical Abstract of the United States: 2001*, table 1089, <<http://www.census.gov/prod/2002pubs/01statab/trans.pdf>> accessed March 11, 2002 <<http://mobility.tamu.edu/ums/study/cities>> accessed May 9, 2002.

Table 18.21-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1990 TO 2000, AND BY COUNTIES, 1999 AND 2000

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
1990	26,640	154	14,036	176
1991	21,840	119	12,799	135
1992	21,835	121	13,403	128
1993	21,471	121	13,878	133
1994	19,851	110	13,310	122
1995	16,581	118	13,088	127
1996	13,285	132	11,729	145
1997	12,445	117	11,190	131
1998	11,543	113	10,303	120
1999	10,632	90	9,604	98
2000	(NA)	(NA)	(NA)	(NA)
COUNTIES: 1999				
Honolulu	7,068	40	6,111	43
Hawaii	2,122	28	1,819	31
Kauai	477	7	477	8
Maui	965	15	1,197	16
COUNTIES: 2000				
Honolulu	7,122	58	6,084	66
Hawaii	2,201	34	1,805	38
Kauai	483	4	441	5
Maui	(NA)	(NA)	(NA)	(NA)

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, Highways Division, Traffic Safety Section, records.

**Table 18.22-- TRAFFIC FATALITIES AND HIGHEST BLOOD ALCOHOL CONCENTRATION (BAC)
IN THE CRASH: 1998**

Area	All fatalities	Any alcohol						
		No alcohol BAC = 0.00g/dl 1/		Low alcohol BAC = 0.01 g/dl		High alcohol BAC = 0.10 g/dl		
		Number	Percent	Number	Percent	Number	Percent	
U.S.	41,717	62	15,976	38	3,523	8	12,453	30
Hawaii	98	56	43	44	11	12	31	32

1/ Blood alcohol content (BAC) is measured in grams per deciliter (g/dl). One deciliter = 1/10 liter.

Source: U.S. National Highway Traffic Safety Administration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States: 2001*, table 1098 <<http://www.census.gov/prod/2002pubs/01statab/trans.pdf>> accessed March 11, 2002.

**Table 18.23-- REGISTERED TAXICABS AND BICYCLES, BY ISLANDS:
1999 TO 2001**

[As of December 31]

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	1999	2000	2001	1999	2000	2001
Hawaii	163	170	159	4,654	4,693	4,551
Maui	216	200	216	4,057	3,247	2,225
Lanai	-	-	-	74	55	24
Molokai	-	-	-	237	183	45
Oahu	1,213	1,359	1,636	3/ 91,635	116,459	24,777
Kauai	-	-	-	3/ 1,770	1,095	488

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/ Effective January 1, 1999 bicycles and mopeds are issued permanent registration.

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

**Table 18.24-- PASSENGER CAR RENTAL AND LEASING
(NAICS 53211): 1992 AND 1997**

[Excludes establishments without payroll. Data for 1992 are for SIC 751, automotive rental and leasing without drivers]

Subject	State total	Counties			
		Hawaii	Honolulu	Kauai	Maui
Number of establishments:					
1992	82	18	36	6	22
1997	63	11	25	8	19
Revenue (1000 \$):					
1992	332,100	38,600	195,000	23,600	74,800
1997	347,624	45,172	154,679	43,014	104,759

Source: U.S. Census Bureau, *1992 Census of Service Industries, Hawaii*, SC92-A-12 (Aug. 1994), tables 1a, 6, and 7a, and *1997 Economic Census, Real Estate and Rental and Leasing, Hawaii* (Aug. 1999), tables 1 to 3.

**Table 18.25-- MOTOR CARRIER CHARACTERISTICS, BY COUNTIES:
SEPTEMBER 2001**

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
State total	1,869	8,695	209,832	5,474	34,522
Hawaii	220	1,404	43,843	1,113	5,743
Maui	308	1,914	44,052	892	4,448
Honolulu	1,219	4,721	106,197	2,997	22,456
Kauai	122	656	15,740	472	1,875

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.

Table 18.26-- PUBLIC TRANSIT, FOR OAHU: 1991 TO 2001

[As of June 30. Tables in previous Data Book editions were based on calendar year. Service provided by City and County of Honolulu bus system]

Year	Number of buses	Bus mileage 1/	Total passengers 2/	Revenues (dollars)
1991	510	18,063,079	72,815,706	18,757,312
1992	475	18,185,305	72,980,668	19,534,923
1993	470	18,120,044	75,557,318	19,837,616
1994	501	18,396,694	77,338,147	23,897,154
1995	508	19,031,466	72,745,086	25,058,736
1996	523	19,090,912	68,923,459	30,420,976
1997	524	19,452,526	68,634,884	29,804,091
1998	525	19,665,805	71,822,553	29,197,402
1999	525	19,639,602	66,236,147	27,819,265
2000	525	20,359,607	66,602,820	27,055,656
2001	529	21,710,838	70,384,025	26,963,518

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-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2002

[In dollars]

Effective date	Cash fares 1/		Monthly passes	
	Adult	Student	Adult	Student
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	1.00	.50	25.00	12.50
July 1, 2001 3/	1.50	.75	27.00	13.50

1/ In addition, there have been special fares for 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.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records <<http://www.thebus.org/Info/NewFares.asp>> accessed July 31, 2002.

**Table 18.28-- STEAM RAILROAD MILEAGE AND PASSENGERS:
1987 TO 2001**

[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)	1994	6.0	390,862	5.0	1/ 12,821
1988	6.0	285,139	(NA)	(NA)	1995	6.0	447,211	6.5	16,704
1989	6.0	296,391	(NA)	(NA)	1996	6.0	418,099	6.5	19,678
1990	6.0	308,910	(NA)	(NA)	1997	6.0	369,327	6.5	20,850
1991	6.0	316,079	(NA)	(NA)	1998	6.0	(NA)	6.5	19,763
1992	6.0	385,261	(NA)	(NA)	1999	6.0	281,161	7.0	14,733
1993	6.0	388,484	(NA)	(NA)	2000	(NA)	(NA)	7.0	13,962
					2001	(NA)	(NA)	7.0	14,982

NA Not available.

1/ Data incomplete.

Source: Lahaina Kaanapali & Pacific Railroad, records <<http://www.statesrail.com>>; Hawaiian Railway, records.

**Table 18.29-- AIRPORTS AND HELIPORTS, BY CONTROL,
BY ISLANDS: 1998 AND 1999**

[As of December 31]

Island	Airports 1/				Heliports 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
1998						
State total	9	7	6	1	-	5
Hawaii	2	2	1	-	-	4
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-
1999						
State total	9	7	6	1	-	5
Hawaii	2	2	1	-	-	4
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	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 18.30-- RANK OF HONOLULU INTERNATIONAL AIRPORT IN OPERATIONS AND ENPLANED PASSENGERS: 1997 TO 2000

Subject	Rank		Number			
	1999	2000	1997	1998	1999	2000
Aircraft operations	29	30	357,970	336,672	346,477	345,496
Passenger enplanements	23	23	11,596,316	10,946,354	10,974,390	11,174,701

Source: U.S. Department of Transportation, Federal Aviation Administration, 2001 Aviation Capacity Enhancement Plan - Appendix B <http://www.faa.gov/ats/asc/publications/01_ACE/APPEND_B.PDF> accessed July 26, 2001.

Table 18.31-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2000 AND 2001

[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]

Airport	Total operations	Air carrier	Air taxi	General aviation	Military
2000					
Honolulu International	345,771	206,870	31,539	91,484	15,878
Kahului	174,855	63,799	77,779	29,983	3,294
Kona International	98,052	29,561	9,547	47,021	11,923
Lihue	113,850	33,645	57,883	17,800	4,522
Hilo International	115,546	22,266	48,680	32,908	11,692
Molokai	44,691	1,484	27,385	11,869	3,953
Kalaeloa	160,157	-	532	133,466	26,159
2001					
Honolulu International	327,006	186,000	37,676	86,283	17,047
Kahului	160,324	55,937	69,635	31,816	2,936
Kona International	107,793	27,183	10,926	55,094	14,590
Lihue	103,655	30,593	55,586	12,230	5,246
Hilo International	96,238	19,450	42,426	25,077	9,285
Molokai	43,806	1,138	26,890	12,532	3,246
Kalaeloa	183,600	-	264	159,631	23,705

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2001*.

**Table 18.32-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2001**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	Hilo International Airport 1/	Kona International Airport 2/	Kahului Airport	Lihue Airport	Molokai Airport
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
1998	334,046	112,479	81,285	180,890	105,979	49,353
1999	346,609	115,820	82,955	188,385	115,523	49,184
2000	345,771	115,546	98,052	174,855	113,850	44,691
2001	327,006	96,238	107,793	160,324	103,655	43,806

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

2/ Formerly Keahole Airport; effective June 16, 1997, the new name is The Kona International Airport at Keahole.

Source: Hawaii State Department of Transportation, Airports Division, records; *Airport Activity Statistics Calendar Year 2001*.

Table 18.33-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS SERVING HAWAII: 1996 TO 1999

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

Service	1996	1997	1998	1999
All carriers	39	40	40	43
Transpacific only	24	25	27	29
Domestic	12	12	12	12
Foreign	12	13	15	17
Transpacific and interisland	5	6	4	4
Interisland only	10	9	9	10
Passenger carriers	6	6	5	6
Cargo and mail only	4	3	4	4

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

**Table 18.34-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR
ARRIVING FLIGHTS: 1999 AND 2000**

[Non-stop flights only, does not include charter flights.]

Airport	1999	2000
State of Hawaii	8,699,403	9,250,490
Honolulu International	7,270,933	7,644,473
Kahului	1,024,579	1,099,940
Kona International	323,645	406,693
Lihu'e	80,246	99,384
Domestic	5,188,776	5,730,382
International	3,510,627	3,520,108

Source: *OAG FlightDisk Worldwide Edition*.

Table 18.35-- 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 18.36-- SELECTED STATISTICS FOR ALOHA AND HAWAIIAN AIRLINES: 1999 AND 2000

Subject	Aloha Airlines		Hawaiian Airlines	
	1999	2000	1999	2000
Number of aircraft	21	21	27	28
Employees, full-time equivalent	1,995	2,216	2,766	3,115
Aircraft departures	76,508	79,143	60,815	64,270
Passengers (1,000)	5,077	5,177	5,410	5,887
Revenue passenger miles (million)	702	933	4,021	4,196
Passenger revenues (million dollars)	193	242	400	475
Cargo revenues (million dollars)	29	35	21	6
Operating revenues (million dollars)	230	283	489	607
Operating profit/loss (million dollars)	(4)	(6)	(40)	(14)
Net profit/loss (million dollars)	(2)	(4)	(29)	(19)

Source: Air Transport Association, annual report <<http://www.air-transport.org/public/industry>>.

Table 18.37-- HAWAII LOCATIONS AMONG THE TOP 30 DOMESTIC AIRLINE MARKETS: 1998 TO 2000

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

Rank	Origin or destination	Passengers (1,000)
1998		
6	Honolulu - Kahului	2,541
16	Honolulu - Lihue	1,637
18	Honolulu - Kona	1,467
25	Honolulu - Los Angeles	1,335
1999		
7	Honolulu - Kahului	2,691
16	Honolulu - Lihue	1,749
22	Honolulu - Kona	1,459
26	Honolulu - Los Angeles	1,389
2000		
8	Honolulu - Kahului	2,607
16	Honolulu - Lihue	1,733
24	Honolulu - Kona	1,466

Source: Air Transport Association, annual report <<http://www.air-transport.org/public/industry>>.

**Table 18.38-- OVERSEAS AND INTER-ISLAND AIR PASSENGER
MOVEMENTS: 1988 TO 1998**

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

Year	Overseas passengers 1/			Inter-island passenger arrivals
	Arrivals	Departures	Through	
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
1998	7,576,988	7,728,768	(NA)	10,075,448

NA Not applicable

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

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

Table 18.39-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2000

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	2/ 7,959,325	7,981,640	179,881	160,251	29,740	55,198
Honolulu	2/ 6,642,705	6,553,097	165,247	151,299	28,773	55,166
Kahului	965,586	1,009,205	7,390	6,688	641	32
Kona 3/	254,670	316,211	7,244	2,180	326	-
Lihue	96,364	103,127	-	84	-	-
Hilo	-	-	-	-	-	-
INTERISLAND						
Total	10,378,775	10,378,775	71,190	71,190	30,384	30,384
Honolulu	4,629,187	4,795,326	46,543	26,118	20,158	3,538
Kahului	2,146,703	2,080,900	6,147	17,872	2,730	7,607
Kona 3/	1,194,754	1,076,462	888	4,911	1,213	4,911
Lihue	1,345,787	1,338,243	4,827	10,373	4,827	10,457
Hilo	783,254	805,473	11,909	9,896	1,169	2,547
Upolu	-	-	-	-	-	-
Waimea-Kohala	2,283	2,322	5	15	8	733
Hana	3,779	3,533	25	10	-	-
Kapalua	61,695	60,966	273	316	273	316
Molokai	126,810	131,165	485	847	5	171
Kalaupapa	3,110	2,981	12	190	-	5
Lanai	81,409	81,383	76	642	1	99
Dillingham (USA)	-	-	-	-	-	-
Princeville 4/	4	21	-	-	-	-

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

2/ Excludes overseas passengers in transit (407,359, passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2001*.

Table 18.40-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2001

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	2/ 7,263,415	7,270,532	121,478	102,294	25,340	51,291
Honolulu	2/ 5,781,553	5,691,752	107,781	94,939	23,331	51,147
Kahului	1,067,849	1,079,015	7,919	5,511	1,133	136
Kona 3/	275,062	356,118	5,778	1,785	876	8
Lihue	138,951	143,485	-	59	-	-
Hilo	-	162	-	-	-	-
INTERISLAND						
Total	9,169,182	9,169,182	75,037	75,037	21,433	21,433
Honolulu	4,498,754	3,904,023	48,099	25,121	16,306	5,115
Kahului	1,449,602	2,132,627	6,135	17,321	1,977	7,176
Kona 3/	1,054,349	954,789	4,223	9,754	948	4,077
Lihue	1,200,676	1,195,805	3,490	9,995	975	2,270
Hilo	733,107	747,329	12,187	10,907	1,126	2,415
Upolu	-	-	-	-	-	-
Waimea-Kohala	1,242	1,230	-	1	69	278
Hana	2,933	2,781	51	16	-	-
Kapalua	47,609	47,781	278	304	-	-
Molokai	106,898	108,740	486	836	22	62
Kalaupapa	1,295	1,252	15	170	1	3
Lanai	72,714	72,822	73	612	9	37
Dillingham (USA)	-	-	-	-	-	-
Princeville 4/	3	3	-	-	-	-

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

2/ Excludes overseas passengers in transit (275,853 passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2001*.

Table 18.41-- AIR CARGO AND AIRMAIL: 1989 TO 1999

Calendar year	Overseas air cargo (in thousands of pounds)		Overseas airmail (in thousands of pounds)		Interisland (in U.S. tons)	
	Outgoing	Incoming	Outgoing	Incoming	Air cargo: outgoing & incoming	Airmail: outgoing & incoming
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
1998	508,858	311,196	56,902	107,039	140,034	40,548
1999	414,678	359,426	61,410	110,975	138,368	47,786

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

Table 18.42-- NON-STOP FLIGHTS TO DEPART HONOLULU INTERNATIONAL AIRPORT, BY DESTINATION: JULY 2001

[Transpacific flights to depart from Honolulu during a one-week period, including scheduled and chartered flights]

Destination	Flights during week
Transpacific	541
U.S.	332
West	258
Anchorage	2
Las Vegas	9
Los Angeles	113
Oakland	7
Orange County	7
Phoenix	2
Portland	7
San Diego	7
San Francisco	71
San Jose	7
Seattle	26
East	74
Atlanta	7
Chicago	9
Dallas	15
Houston	12
Minneapolis	14
Newark	7
New York	2
St. Louis	8
Canada	17
Toronto	6
Vancouver	11

Continued on next page.

Table 18.42-- NON-STOP FLIGHTS TO DEPART HONOLULU INTERNATIONAL AIRPORT, BY DESTINATION: JULY 2001 -- Con.

Destination	Flights during week
Japan	135
Fukuoka	7
Hiroshima	2
Nagoya	21
Niigata	1
Osaka	28
Sapporo	7
Sendai	6
Tokyo-Haneda	5
Tokyo-Narita	58
Korea	7
Seoul	7
Australia / New Zealand	19
Auckland	4
Sydney	15
Other	31
Apia	2
Christmas Island	1
Guam	12
Johnston Island	2
Manila	3
Marshall Islands	1
Midway Islands	1
Nadi	3
Pago Pago	3
Papeete	2
Tongatapu	1

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

Table 18.43-- AIR FARES BETWEEN HONOLULU AND SELECTED MAINLAND CITIES, FOR UNITED AIRLINES: 1995 TO 2000

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

Between Honolulu and--	1995	1996	1997	1998 1/	1999	2000
Los Angeles	716	530	521	521	536	576
San Francisco	596	530	521	521	536	576
Chicago	916	-	925	924	952	982

1/ As of July 27.

Source: United Airlines, records.

Table 18.44-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY HAWAIIAN AIRLINES: 1997 TO 2001

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

Category	1997 1/		1998	1999	2000	2001
	Zone 1	Zone 2				
Regular fare	78	80	88	94.75	94.50	95.25
Kamaaina fare: 2/						
Monday - Thursday	45	47	3/ 55	61.75	61.50	65.25
Friday - Sunday	47	49	3/ 57	63.75	63.50	68.25

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 18.45-- AIR FARES BETWEEN HONOLULU AND LOS ANGELES, SAN FRANCISCO, AND SEATTLE, FOR UNITED AIRLINES:
JULY 2-8, 1999 AND 2000**

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

Fare category	Los Angeles	San Francisco	Seattle
1999			
One-way:			
First class	1,014	1,265	1,347
Coach (unrestricted)	536	536	520
Round-trip:			
First class	2,028	2,530	2,694
Coach (unrestricted)	1,072	1,072	1,040
Lowest round-trip: 2/	434	432	432
2000			
One-way:			
First class	1,067	1,326	1,410
Coach (unrestricted)	579	579	563
Round-trip:			
First class	2,134	2,652	2,820
Coach (unrestricted)	1,158	1,158	1,126
Lowest round-trip: 2/	478	558	598

1/ 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: United Airlines, records.

Table 18.46-- STATE COMMERCIAL HARBORS: 2001

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	2,669	122	566
Kawaihae	40	35	1,500	1,450	1,562	23	427
Maui:							
Kahului	35	35	2,400	2,050	3,019	87	1,223
Molokai:							
Kaunakakai	23	23	1,500	600	691	7.4	129
Lanai:							
Kaunapala	60	20-60	1/ (NA)	1/ (NA)	400	-	100
Oahu:							
Honolulu Main	} 45	40	{ 3,300	1,520	} 29,347	1,303	9,209
Kapalama							
Barbers Point	42	38	2,100	1,800	2/ 2,190	36	1,703
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,916	70	1,379
Port Allen	35	35	1,500	1,200	1,200	35	32

NA Not available.

1/ As defined by the federal project limits.

2/ Revised.

Source: Hawaii State Department of Transportation, Harbors Division, unpublished data.

Table 18.47-- HARBOR DEPTHS: 2000

[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. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2000 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

**Table 18.48-- SMALL CRAFT MOORING FACILITIES,
BY ISLANDS: DECEMBER 31, 2001**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,716	1,488	407	332	501	325
Hawaii	324	308	74	73	74	73
Maui	133	105	125	110	141	102
Oahu	1,143	966	197	142	174	144
Kauai	116	109	11	7	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 18.49-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLANDS:
2001**

[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	577	181	396	20	2/ 25	3/ 913	4/ 138
Hawaii	68	31	29	8	24	156	115
Maui	75	27	46	2	24	170	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	3	1	2	-	7	120	20
Lanai	18	8	9	1	8	91	13
Molokai	32	16	9	5	25	213	138
Oahu	246	54	188	4	25	913	71
Kauai	42	13	29	-	25	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	43	38
At sea	72	10	62	-	-	-	-

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 18.50-- UNDOCUMENTED STATE-REGISTERED VESSELS:
DECEMBER 31, 2001**

Subject	Number	Subject	Number
Certificates outstanding		Type of vessel:	
Length:		Cabin motorboat	2,454
Under 16 feet	5,370	Open motorboat	5,334
16 to less than 26 feet	7,248	Runabout	
26 to less than 40 feet	1,483	Sail/inboard }	1,136
40 to 65 feet	166	Sail/outboard }	
Over 65 feet	6	Sail only	616
Hull material:		Motor vessel over 65 feet	2
Wood	681	Thrill craft under 16 feet	1,027
Fiberglass	12,122	Uses:	
Metal	499	Pleasure	12,777
Inflatable	787	Commercial fishing	407
Other	184	Charter fishing	15
Propulsion:		Commercial passenger	227
Inboard	4,210	Other commercial	138
Outboard	4,786	Livery	337
Inboard/outboard	2,107	Dealer or manufacturer	46
Sail/inboard	594	Youth group	67
Sail/outboard	551	Government	256
Sail only	589	Other	32
Manual	308	Island where vessel is kept:	
Waterjet	1,080	Hawaii	2,328
Other	48	Kauai	1,647
Type of storage:		Lanai	78
Moored on water	3,989	Maui	1,500
Moored on land	10,306	Molokai	199
		Oahu	8,543

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

**Table 18.51-- DOCUMENTED AND NUMBERED VESSELS REGISTERED IN
HAWAII: 1995 TO 2001**

Category	1995	1996	1997	1998	1999	2000	2001
Documented 1/ Numbered 2/	(NA) 14,470	(NA) 15,177	(NA) 15,138	(NA) 15,138	(NA) 15,481	(NA) 14,874	(NA) 14,273

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 Land & Natural Resources, Division of Boating & Ocean Recreation. 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 18.52-- BOATING ACCIDENTS: 1991 TO 2001

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured, not fatally		
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)
1999	26	1	1	11	(NA)	(NA)
2000	22	2	2	11	22	244.8
2001	19	3	3	5	18	46.0

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 18.53-- VESSEL ARRIVALS, BY DRAFT: 1999 AND 2000

[Excludes domestic fishing craft]

Harbor	1999			2000		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	934	788	35	900	846	54
Kawaihae	639	623	16	820	812	2
Kahului	1,442	1,160	282	1,453	1,198	255
Kaunakakai	1/ 771	1/ 771	-	1/ 572	1/ 572	-
Kalaupapa	20	20	-	3	3	-
Honolulu	7,666	6,003	1,663	7,430	6,352	1,078
Barbers Point	1,922	1,759	163	1,909	1,808	101
Nawiliwili	647	601	46	672	621	51
Port Allen	1,040	1,040	-	30	30	-

1/ 21 feet and less.

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2000 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

Table 18.54-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1984 TO 2001

[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
1999	1,262	5,721,503	2,249	1,730,662
2000	1,292	1/ 7,561,828	2,215	1/ 1,872,440
2001	1,744	7,768,135	2,280	1,862,353

1/ Revised.

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

**Table 18.55-- OVERSEAS AND INTERISLAND PASSENGER ARRIVALS
AND DEPARTURES, FOR HONOLULU HARBOR: 1996 TO 2001**

[Fiscal years ended June 30]

Type of passenger	1996	1997	1998	1999	2000	2001
Overseas:						
In	14,851	18,262	25,570	45,494	31,767	48,429
Out	16,128	17,527	28,932	44,389	31,845	46,922
Interisland:						
In	44,982	46,825	43,522	47,950	52,570	47,870
Out	45,159	40,558	43,754	47,782	52,883	71,816

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

**Table 18.56-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1990 TO 2000**

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

Year	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
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
1997	1,489	980	2,895	12,704	8,162	1,091
1998	1,630	886	2,851	13,723	6,658	938
1999	1,701	1,090	3,513	12,259	8,707	1,848
2000	1,651	1,310	3,477	15,797	7,141	1,581

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2000 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

Table 18.57-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC, FOR SPECIFIED HARBORS: 2000

[In thousands of short tons]

Category	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
All freight traffic	1,651	1,310	3,477	15,797	7,141	1,581
Foreign						
Imports	-	-	-	4,167	3,480	-
Exports	-	-	-	582	177	-
Canadian						
Imports	-	-	-	105	18	-
Exports	-	-	-	-	-	-
Domestic, total						
Coastwise	1,651	1,310	3,477	10,942	3,467	1,581
Receipts	1,228	842	2,185	5,792	2,067	917
Shipments	423	468	1,291	5,085	1,278	664
Internal & intraport	-	-	-	66	121	-

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, 2000 *Waterborne Commerce of the United States*, Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

**Table 18.58-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2000**

[In thousands of short tons]

Port and commodity	Total	Receipts 1/	Shipments 2/
Hilo	1,651	1,228	423
Petroleum and petroleum products	441	441	-
Primary manufactured goods	729	435	293
Food and farm products	147	102	45
Manufactured equipment, machinery and products	256	190	66
Kawaihae	1,310	842	468
Primary manufactured goods	896	537	359
Food and farm products	90	81	9
Manufactured equipment, machinery and products	246	174	72
Kahului	3,477	2,185	1,291
Petroleum and petroleum products	541	541	-
Primary manufactured goods	1,687	980	707
Food and farm products	501	165	336
Manufactured equipment, machinery and products	504	333	171
Honolulu	15,797	10,064	5,733
Petroleum and petroleum products	4,798	4,041	758
Lumber	328	177	151
Primary manufactured goods	4,696	2,214	2,482
Food and farm products	1,793	1,048	745
Manufactured equipment, machinery and products			
Vehicles and parts	3,231	2,009	1,222
Barbers Point	7,141	5,565	1,576
Petroleum and petroleum products	6,537	5,023	1,514
Cement and concrete	245	184	62
Nawiliwili	1,581	917	664
Primary manufactured goods	912	514	397
Food and farm products	260	85	175
Manufactured equipment, machinery and products	280	192	88
Kaunakakai	159	(NA)	(NA)
Port Allen	1	(NA)	(NA)

NA Not available.

1/ Includes foreign imports and coastwise receipts.

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

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, 2000 *Waterborne Commerce of the United States*, Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa00.pdf>>.

**Table 18.59-- TRANSPORTATION AND WAREHOUSING SUMMARY STATISTICS
FOR THE STATE: 1997**

NAICS code	Kind of business	Establish- ments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
48-49	Transportation & warehousing 1/ 2/	686	1,249,280	427,727	16,684
481	Air transportation 1/	32	117,500	20,369	777
483	Water transportation	23	184,212	36,876	1,092
484	Truck transportation	190	242,560	81,023	2,897
485	Transit & ground passenger transportation	86	114,434	89,033	3,547
487	Scenic & sightseeing transportation	150	267,338	81,517	4,346
488	Support activities for transportation	134	194,910	79,929	2,551
492	Couriers & messengers	54	83,146	32,075	1,229
493	Warehousing & storage	17	45,180	6,905	245

1/ Data do not include large certificated passenger carriers that report to the Office of the Airline Statistics, U.S. Department of Transportation.

2/ Railroad transportation and U.S. Postal Service are out of scope for the 1997 Economic Census.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation and Warehousing, Geographic Area Series*, EC97T48A-HI (January 2000).

**Table 18.60-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND
DESTINATION: 1997**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	11,272	22,290	1,330
Destination:			
Hawaii	10,773	22,072	648
California	234	146	388
Washington	38	12	44
Other states	227	60	250
Mode of transportation:			
Single modes:			
Truck	6,696	12,066	153
Water	349	(S)	(S)
Air (includes truck and air)	357	55	42
Pipeline	1,305	7,162	(S)
Multiple modes:			
Parcel, U.S. Postal Service or courier	570	13	6
Truck and water	1,139	779	563
Other multiple modes	(S)	(S)	202
Other and unknown modes	725	734	89
Distance shipped:			
Less than 50 miles	8,854	19,874	239
50 to 249 miles	1,914	2,194	407
250 to 1,999 miles	5	(S)	(S)
2,000 miles or more	499	218	682
Commodity: 1/			
Other agricultural products 2/	326	(S)	(S)
Meat, fish, seafood & their preparations	973	241	20
Other prepared foodstuffs, fats & oils	1,274	1,305	631
Gasoline/aviation turbine fuel	2,187	7,387	193
Fuel oils	748	4,622	(S)
Pharmaceutical products	515	6	1
Printed products	545	369	9
Textiles, leather, and articles of textiles or leather	577	27	3
Electronic and other 3/	467	33	3

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

1/ Based on the Standard Classification of Transported Goods (SCTG) coding system. Includes subgroups not shown separately.

2/ Excluding live animals, live fish and cereal grains.

3/ Electronic and other electrical equipment and components and office equipment.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation, 1997 Commodity Flow Survey, Hawaii*, EC97-TCF-HI (December 1999), tables 1a, 3, 6 and 7.