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**Table 18.01-- HIGHWAY DISTANCES: 2003**

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	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, 2001 TO 2003**

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

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2001				
State total	4,289.98	88.58	4,028.99	172.41
Hawaii	1,458.54	-	1,399.24	59.30
Maui	630.97	-	574.27	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,606.88	88.58	1,510.38	7.92
Kauai	413.25	-	390.76	22.49
Niihau	-	-	-	-
2002				
State total	4,298.69	88.55	4,037.73	172.41
Hawaii	1,459.80	-	1,400.50	59.30
Maui	627.38	-	570.68	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,617.19	88.55	1,520.72	7.92
Kauai	413.98	-	391.49	22.49
Niihau	-	-	-	-
2003				
State total	4,307.20	88.55	4,046.24	172.41
Hawaii	1,459.80	-	1,400.50	59.30
Maui	630.60	-	573.90	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,622.48	88.55	1,526.01	7.92
Kauai	413.98	-	391.49	22.49
Niihau	-	-	-	-

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

**Table 18.03-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 2003**

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
State	752	Airport Viaduct	14,890	Nanue	208
Hawaii	135	Hakalau	775	Nanue	208
Maui	98	Honokahua	600	Uaoa	79
Lanai	-	None	-	None	-
Molokai	19	Manawainui	360	Manawainui	50
Oahu	445	Airport Viaduct	14,890	Kipapa	156
Kauai	55	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 18.04-- CONDITION OF BRIDGES: 1998, 2000, 2001 and 2002**

Area	Number of Bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		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
2001							
U.S.	590,066	165,099	28.0	83,630	14.2	81,469	13.8
Hawaii	1,071	537	50.1	193	18.0	344	32.1
2002							
U.S.	591,220	163,010	27.6	81,437	13.8	81,573	13.8
Hawaii	1,089	522	47.9	171	15.7	351	32.2

1/ Bridges are structurally deficient if they have been restricted to light vehicles, require immediate rehabilitation to remain open, or are closed.

2/ Bridges are functionally obsolete if they have deck geometry, load carrying capacity, clearance or approach roadway alignment that no longer meet the criteria for the system of which the bridge is a part.

Source: U.S. Federal Highway Administration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2000 (table 1016), 2001 (table 1078), 2002 (table 1056), and 2003 (table 1079).

**Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2003**

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:  
1993 TO 2003**

[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	
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	
2002	1,013,594	987,598	792,482	61	2,815	
2003	1,057,625	1,030,845	830,672	47	2,588	
		Motor vehicles -- continued				
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers	
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	
2002	160,941	513	359	20,427	25,996	
2003	174,641	510	368	22,019	26,780	

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:  
1993 TO 2003**

[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>
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
2002	987,598	643,810	142,150	63,580	138,058
2003	1,030,845	667,565	150,983	67,312	144,985

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

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR  
COUNTIES: 2003**

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

<b>Type of vehicle</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>
All vehicles	1,057,625	679,765	159,129	70,015	148,716
Motor vehicles	1,030,845	667,565	150,983	67,312	144,985
Passenger vehicles 1/	830,672	553,113	116,652	48,699	112,208
Ambulances	47	22	10	1	14
Buses	2,588	2,002	285	13	288
Trucks 1/	174,641	97,015	30,648	17,462	29,516
Truck tractors	510	268	128	26	88
Truck cranes	368	245	51	11	61
Motorcycles, motorscooters 2/	22,019	14,900	3,209	1,100	2,810
Trailers and semi-trailers	26,780	12,200	8,146	2,703	3,731

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: 2003**

[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	1,008,826	652,665	147,774	66,212	142,175
Taxable vehicles	940,232	587,446	146,427	65,452	140,907
Exempt vehicles	68,594	65,219	1,347	760	1,268
Federal government	382	363	13	2	4
State government	4,921	4,920	1	-	-
County government	6,121	3,955	703	467	996
Fire department	242	65	112	32	33
Police department	1,658	1,310	344	-	4
Consulates	54	54	-	-	-
Disabled veterans	137	71	9	50	7
Military non-resident	54,641	54,269	92	201	79
Farm	300	112	52	5	131
Horseless carriage	44	33	8	2	1
Electric vehicles	94	67	13	1	13

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

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,  
BY COUNTIES: 2000**

<b>Vehicles available</b>	<b>State</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kalawao</b>	<b>Kauai</b>	<b>Maui</b>
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. Census Bureau, Census 2000, Table DP-4, Profile of Selected Housing Characteristics: 2000.

**Table 18.11-- 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 18.12-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS: 1989 TO 2003**

[Excludes U-drive/Fleet sales]

<b>Year</b>	<b>Number</b>	<b>Year</b>	<b>Number</b>	<b>Year</b>	<b>Number</b>
1989	57,456	1994	44,175	1999	45,054
1990	54,544	1995	41,083	2000	51,500
1991	47,783	1996	41,480	2001	51,388
1992	44,865	1997	42,487	2002	53,314
1993	45,249	1998	40,673	2003	62,712

Source: Hawaii Automobile Dealers Association, records.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN) REGISTRATIONS,  
BY NAMEPLATE: 2002 AND 2003**

[Excludes U-drive/Fleet sales]

<b>Nameplate</b>	<b>2002</b>	<b>2003</b>
Total	53,314	62,712
Toyota	11,702	14,118
Honda	5,846	7,329
Ford	6,777	7,302
Nissan	5,043	6,295
Chevrolet	3,189	3,917
Dodge	2,707	3,276
Mazda	2,754	3,037
Volkswagen	1,573	1,457
Lexus	1,139	1,394
BMW	915	1,234
Mercedes	971	1,164
Saturn	811	1,119
All others	9,887	11,070

Source: Hawaii Automobile Dealers Association, *Hawaii Auto Outlook*, First Quarter, 2004.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2002 AND 2003**

[Excludes U-drive/Fleet sales]

<b>Type and place of manufacture</b>	<b>2002</b>	<b>2003</b>
Total	53,314	62,712
Car	24,216	27,230
Light truck	29,098	35,482
Chrysler, Ford, General Motors	16,976	19,407
Japanese	30,075	35,912
European	4,953	5,874
Korean	1,310	1,519

Source: Hawaii Automobile Dealers Association, *Hawaii Auto Outlook*, First Quarter, 2004.



**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTIES:  
1991 TO 2003**

[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
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
2002	814,668	560,222	110,561	46,840	97,045
2003	834,188	572,665	113,760	48,047	99,716

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

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE  
AND SEX: DECEMBER 31, 2002 AND 2003**

Age	Both sexes		Male		Female	
	2002	2003	2002	2003	2002	2003
Total	814,668	834,188	430,135	440,583	384,533	393,605
15 to 19 years	30,647	29,527	16,570	16,029	14,077	13,498
20 to 24 years	71,046	72,199	37,997	38,412	33,049	33,787
25 to 34 years	153,372	156,602	80,300	82,390	73,072	74,212
35 to 44 years	171,312	172,242	88,337	88,880	82,975	83,362
45 to 54 years	169,441	173,030	88,128	90,007	81,313	83,023
55 to 64 years	111,727	120,090	60,038	64,466	51,689	55,624
65 to 74 years	66,109	66,946	35,230	35,794	30,879	31,152
75 to 84 years	35,953	37,938	20,208	21,011	15,745	16,927
85 years and over	5,061	5,614	3,327	3,594	1,734	2,020
Median age (years)	1/ 43	43	1/ 43	43	1/ 43	43

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Public Affairs Office, records.

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES,  
1990 TO 2003, AND BY COUNTIES, 2002 AND 2003**

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
2001	445,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
2003	483,232	469	9,325.0	9,046
COUNTIES: 2002				
Honolulu	303,142	472	5,646.6	8,791
Hawaii	80,443	563	1,389.8	9,733
Kauai	28,791	443	669.0	10,292
Maui	65,142	474	1,231.9	8,958
COUNTIES: 2003				
Honolulu	284,685	427	5,851.0	8,783
Hawaii	88,383	583	1,474.1	9,726
Kauai	33,024	480	707.4	10,291
Maui	77,140	534	1,292.5	8,952

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 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED OAHU  
SURVEY SITES: 2001 TO 2003**

Site	2001	2002	2003
Pali Highway at tunnels	45,188	47,000	45,851
Likelike Highway at tunnels	31,926	32,227	(NA)
H-1 Freeway at Manoa-Palolo Drainage Canal	115,458	(NA)	111,380
H-1 Freeway at Kapalama Drainage Canal Bridge	219,035	210,138	218,083
Nimitz Highway at Kapalama Drainage Canal Bridge	75,961	74,923	(NA)
Kalaniana'ole Highway east of Ainakoa Ave.	81,455	(NA)	(NA)

NA Not available.

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

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU URBANIZED AREA AND THE AVERAGE OF URBANIZED AREAS IN THE UNITED STATES: 1999 AND 2000**

Subject	Honolulu		U.S. (average)	
	1999	2000	1999 1/	2000 2/
Freeway daily vehicle miles of travel (1,000)	5,715	5,625	15,960	15,375
Per lane-mile of freeway	14,290	14,065	15,890	16,035
Annual person hours of delay	13,420	7,690	65,930	47,595
Per person	19	11	36	27
Annual congestion cost:				
Per person (dollars)	345	225	625	505
Delay and fuel cost (mil. dol.)	240	155	1,145	900
Fuel wasted (gal. per person)	30	19	55	43

1/ 41 urbanized areas.

2/ 70 urbanized areas.

Source: Texas Transportation Institute, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2000 (table 1034), 2001 (table 1089), and 2002 (table 1066).

**Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1993 TO 2003, AND BY COUNTIES, 2001 TO 2003**

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
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	11,111	116	9,887	133
2001	10,870	133	8,641	141
2002	2/ 10,660	2/ 116	2/ 8,948	2/ 120
2003	(NA)	118	(NA)	136
COUNTIES: 2001				
Honolulu	6,406	74	5,036	79
Hawaii	2,781	29	1,819	30
Kauai	524	4	440	4
Maui	1,159	26	1,346	28
COUNTIES: 2002				
Honolulu	2/ 6,759	2/ 67	2/ 5,425	2/ 67
Hawaii	2/ 2,255	27	2/ 1,843	28
Kauai	2/ 637	5	2/ 524	5
Maui	2/ 1,009	17	2/ 1,156	20
COUNTIES: 2003				
Honolulu	(NA)	66	(NA)	81
Hawaii	(NA)	32	(NA)	35
Kauai	(NA)	5	(NA)	5
Maui	(NA)	15	(NA)	15

NA Not available.

1/ 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.

2/ Revised from previous *Data Book*.

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

**Table 18.21-- TRAFFIC FATALITIES AND HIGHEST BLOOD ALCOHOL CONCENTRATION (BAC)  
IN THE CRASH: 1998, 2000 and 2001**

Area	All fatalities	Any alcohol (BAC = 0.01 g/dl) or more							
		No alcohol BAC = 0.00g/dl 1/		Total number	Percent	Low alcohol 2/		High alcohol 3/	
		Number	Percent			Number	Percent	Number	Percent
1998									
U.S.	41,717	25,741	62	15,976	38	3,523	8	12,453	30
Hawaii	98	55	56	43	44	11	12	31	32
2000									
U.S.	41,821	25,168	60	16,653	40	3,761	9	12,892	31
Hawaii	131	77	59	54	41	17	13	37	28
2001									
U.S.	42,116	24,668	59	17,448	41	2,515	6	14,933	35
Hawaii	140	80	57	60	43	9	7	51	36

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

2/ Low alcohol was designated as "BAC=0.01-0.09 g/dl" for 1998 and 2000. It was changed to "BAC=0.01-0.07 g/dl" in 2001.

3/ High alcohol was designated as "BAC=.10 g/dl or more" for 1998 and 2000. It was changed to "BAC=0.08 g/dl or more" in 2001.

Source: U.S. National Highway Traffic Safety Administration, as cited in U.S. Census Bureau, *Statistical Abstract of the United States* for 2001 (table 1098), 2002 (table 1075), and 2003 (table 1103).

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLANDS:  
2001 TO 2003**

[As of December 31]

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2001	2002	2003	2001	2002	2003
Hawaii	159	167	160	4,551	3,816	1,957
Maui	216	235	217	2,225	1,857	1,493
Lanai	-	-	-	24	31	13
Molokai	-	-	-	45	35	24
Oahu	1,636	3/ 1,367	1,319	3/ (NA)	3/ 129,418	153,098
Kauai	-	-	-	488	385	294

NA No 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/ Revised from previous *Data Book* .

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism. Data provided by the Department of Finance of the Counties of Hawaii, Maui and Kauai, and the Department of Customer Services of the City & County of Honolulu.



**Table 18.23-- PASSENGER CAR RENTAL AND LEASING  
(NAICS 53211): 1992 AND 1997**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) System used in earlier Economic Censuses. Therefore, comparability between the 1992 and the 1997 data may be limited]

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 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTIES:  
2002 AND 2003**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
2002					
State total	1,937	8,925	213,670	5,655	35,309
Hawaii	238	1,448	43,661	1,164	5,925
Maui	313	1,956	45,270	922	4,535
Honolulu	1,258	4,830	107,499	3,080	22,923
Kauai	128	691	17,240	489	1,926
2003					
State total	2,013	9,522	271,076	5,953	36,885
Hawaii	258	1,518	46,336	1,223	6,225
Maui	332	2,341	58,525	1,078	5,302
Honolulu	1,278	4,928	147,840	3,132	23,310
Kauai	145	735	18,375	520	2,048

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, records.

**Table 18.25-- PUBLIC TRANSIT, FOR OAHU: 1993 TO 2003**

[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]

<b>Year</b>	<b>Number of buses</b>	<b>Bus mileage 1/</b>	<b>Total passengers 2/</b>	<b>Revenues (dollars)</b>
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
2002	525	21,800,354	73,524,474	30,602,648
2003	525	21,482,533	69,100,627	30,114,566

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 18.26-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2004**

[In dollars]

Effective date	One-way cash fare 1/		Monthly pass 2/	
	Adult	Youth	Adult	Youth
March 1, 1971	.25	.15	...	...
March 2, 1971	.25	.10	...	...
June 9, 1972 3/	.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	1.50	.75	27.00	13.50
July 1, 2003	1.75	.75	30.00	13.50
October 1, 2003 4/	2.00	1.00	40.00	20.00

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

2/ In addition, there have been special passes for senior citizens and persons with a disability.

3/ Zone fares initiated and later eliminated.

4/ Most recent change. Annual pass: adult (440.00), youth (220.00), senior citizen or person with a disability (30.00).

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records <<http://www.thebus.org/Fare/Fare.asp>> accessed July 27, 2004.

**Table 18.27-- STEAM RAILROAD MILEAGE AND PASSENGERS:  
1987 TO 2003**

[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)	1996	6.0	418,099	6.5	19,678
1988	6.0	285,139	(NA)	(NA)	1997	6.0	369,327	6.5	20,850
1989	6.0	296,391	(NA)	(NA)	1998	6.0	(NA)	6.5	19,763
1990	6.0	308,910	(NA)	(NA)	1999	6.0	281,161	7.0	14,733
1991	6.0	316,079	(NA)	(NA)	2000	(NA)	(NA)	7.0	13,962
1992	6.0	385,261	(NA)	(NA)	2001	(NA)	(NA)	7.0	14,982
1993	6.0	388,484	(NA)	(NA)	2002	(NA)	(NA)	7.0	17,882
1994	6.0	390,862	5.0	1/ 12,821	2003	(NA)	(NA)	7.0	15,970
1995	6.0	447,211	6.5	16,704					

NA Not available.

1/ Data incomplete.

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

**Table 18.28-- 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				
<b>1998</b>						
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	-	-	-	-	-
<b>1999</b>						
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 18.29-- HONOLULU INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 2000 TO 2002**

[Fiscal year ending June 30]

Year	Aircraft operations 1/	Enplaned passengers	Rank 2/
2000	3/ 237,188	4/ 10,815,367	23
2001	231,388	5/ 10,150,357	24
2002	219,286	5/ 9,108,574	25

1/ Include itinerant air carrier and air taxi only.

2/ Ranked by total enplanements, among 100 cities, 1 is highest.

3/ Revised from previous *Data Book*.

4/ Revised from previous *Data Book*. Include air carrier, air taxi, commuter and international.

5/ Include air carrier, commuter and international.

Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary Fiscal Years 2001-2015*, FAA-APO-01-7 (December 2001); *Fiscal Years 2002-2020*, FAA-APO-03-2 (April 2003); *Fiscal Years 2003-2020*, FAA-APO-04-1 (March 2004), table S-4 <<http://apo.faa.gov>> accessed July 19, 2004.

**Table 18.30-- 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]

<b>Airport</b>	<b>Total operations</b>	<b>Air carrier</b>	<b>Air taxi</b>	<b>General aviation</b>	<b>Military</b>
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 2002* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed September 26, 2003.



**Table 18.31-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:  
1991 TO 2002**

[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>
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
2002	323,726	97,540	123,704	157,868	102,426	43,065

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 2002* <<http://www.hawaii.gov/dot/airports/publications/cysmallone/pdf>> accessed September 26, 2003.

**Table 18.32-- 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]

<b>Service</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
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 18.33-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR  
ARRIVING FLIGHTS: 2001 TO 2003**

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

<b>Airport</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
State of Hawaii	8,402,845	8,252,306	8,557,770
Honolulu International	6,556,242	6,320,832	6,349,083
Kahului	1,254,666	1,283,488	1,444,386
Kona International	451,006	459,598	482,371
Lihu'e	140,931	188,388	281,930
Domestic	5,260,414	5,461,558	5,951,644
International	3,142,431	2,790,748	2,606,126

Source: *OAG FlightDisk Worldwide Edition* .

**Table 18.34-- 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. 31	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

NA 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 18.35-- SELECTED STATISTICS FOR ALOHA AND HAWAIIAN  
AIRLINES: 2001 AND 2002**

Subject	Aloha Airlines		Hawaiian Airlines	
	2001	2002	2001	2002
Operating aircraft (year-end)	23	25	31	26
Employees, full-time equivalents	2,460	2,196	3,061	2,969
Aircraft departures	73,550	62,509	59,565	52,291
Revenue passengers (1,000) 1/	4,598	4,367	5,459	5,183
Revenue passenger miles (million) 1/	1,270	1,605	4,145	4,450
Passenger revenues (\$million) 1/	259	278	488	529
Cargo revenues (\$million)	38	37	21	20
Operating revenues (\$million)	306	329	612	632
Operating profit/loss (\$million)	(24)	(23)	(15)	(55)
Net profit/loss (\$million)	(11)	(44)	5	(58)

1/ Scheduled service only.

Source: Air Transport Association, *2003 Economic Report*, p. 20

<<http://www.airlines.org/econ/files/2003AnnualReport.pdf>> accessed July 23, 2004.

**Table 18.36-- HAWAII LOCATIONS AMONG THE TOP 30 DOMESTIC AIRLINE MARKETS: 1998 TO 2002**

[Includes all commercial airports in a metropolitan area.  
Outbound plus inbound; does not include connecting passengers]

Rank	Origin or destination	Passengers (1,000)
<b>1998</b>		
6	Honolulu - Kahului	2,541
16	Honolulu - Lihue	1,637
18	Honolulu - Kona	1,467
25	Honolulu - Los Angeles	1,335
<b>1999</b>		
7	Honolulu - Kahului	2,691
16	Honolulu - Lihue	1,749
22	Honolulu - Kona	1,459
26	Honolulu - Los Angeles	1,389
<b>2000</b>		
8	Honolulu - Kahului	2,607
16	Honolulu - Lihue	1,733
24	Honolulu - Kona	1,466
<b>2001 1/</b>		
6	Honolulu - Kahului	2,120
13	Honolulu - Lihue	1,528
21	Honolulu - Kona	1,218
25	Honolulu - Hilo	1,132
<b>2002 1/</b>		
6	Honolulu - Kahului	2,019
13	Honolulu - Lihue	1,430
20	Honolulu - Kona	1,263
25	Honolulu - Hilo	1,103

1/ Top 25 domestic airline markets.

Source: Air Transport Association, *2003 Economic Report*, p. 25

<<http://www.airlines.org/econ/files/2003AnnualReport.pdf>> accessed July 23, 2004.

**Table 18.37-- OVERSEAS AND INTER-ISLAND AIR PASSENGER  
MOVEMENTS: 1988 TO 2001**

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

Year	Overseas passengers 1/		Honolulu transit	Inter-island passengers
	Arrivals	Departures		
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	466,807	10,075,448
1999	7,699,676	7,737,494	376,236	10,173,069
2000	7,981,640	7,959,325	407,359	10,378,775
2001	7,270,532	7,263,415	275,853	9,169,182

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo. Includes passengers from the West Coast, Canada, Europe, and the Central and South Pacific.

Source: Hawaii State Department of Transportation, Airports Division, records; *Airport Activity Statistics Calendar Year 2002* <<http://www.hawaii.gov/dot/airports/publications/cysmallone/pdf>> accessed September 26, 2003.

**Table 18.38-- 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
<b>OVERSEAS</b>						
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	-	-	-	-	-	-
<b>INTERISLAND</b>						
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 2002* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed September 26, 2003.



**Table 18.39-- 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
<b>OVERSEAS</b>						
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	-	-	-	-
<b>INTERISLAND</b>						
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 2002* <<http://www.hawaii.gov/dot/airports/publications/cysmallone/pdf>> accessed September 26, 2003.

**Table 18.40-- 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 18.41-- NON-STOP FLIGHTS TO DEPART HONOLULU INTERNATIONAL AIRPORT, BY DESTINATION: JULY 2003**

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

Destination	Flights during week	Destination	Flights during week
Transpacific	770	Japan	112
U.S.	595	Fukuoka	8
West	507	Hiroshima	2
Anchorage	2	Nagoya	8
Burbank	14	Osaka	24
Denver	7	Sapporo	6
Las Vegas	7	Sendai	4
Los Angeles	201	Tokyo-Narita	60
Oakland	25	Other Asia	7
Ontario	7	Seoul	6
Orange County	21	Taiwan	1
Phoenix	11	Australia / New Zealand	14
Portland	10	Auckland	3
San Diego	12	Sydney	11
San Francisco	131	Other	26
San Jose	14	Apia	1
Sacramento	7	Christmas Island	1
Salt Lake City	7	Guam	8
Seattle	31	Johnston Island	1
East	88	Manila	2
Chicago	16	Marshall Island	1
Dallas	28	Nadi	3
Houston	23	Pago Pago	3
Minneapolis	7	Papeete	1
Newark	7	Rarotonga	1
St. Louis	7	Majuro	4
Canada	16		
Vancouver	16		

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

**Table 18.42-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY  
HAWAIIAN AIRLINES: 1999 TO 2003**

[As of July 1]

<b>Category</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Regular fare	94.75	94.50	95.25	99.00	1/ 119
Kamaaina fare:					
Monday - Thursday	61.75	61.50	65.25	69.00	2/ 69
Friday - Sunday	63.75	63.50	68.25	72.00	2/ 69

1/ Unrestricted.

2/ Kamaaina fare replaced by lowest capacity-controlled fare.

Source: Hawaiian Airlines, records.

**Table 18.43-- AIR FARES BETWEEN HONOLULU AND LOS ANGELES,  
SAN FRANCISCO, AND SEATTLE, FOR UNITED AIRLINES:  
2003 AND 2004**

[Weekdays. In dollars, includes taxes but does not reflect \$3.00 airport charge where applicable]

Fare category	Los Angeles	San Francisco	Seattle
2003 1/			
One-way:			
First class	1,200	1,459	1,440
Coach (unrestricted)	714	714	794
Round-trip:			
First class	2,400	2,918	2,880
Coach (unrestricted)	1,428	1,428	1,588
Lowest round-trip: 2/	576	576	714
2004 3/			
One-way:			
First class	1,201	1,251	1,444
Coach (unrestricted)	714	714	796
Round-trip:			
First class	2,402	2,502	2,888
Coach (unrestricted)	1,428	1,428	1,592
Lowest round-trip: 2/	576	576	716

1/ As of July 1.

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.

3/ As of May 3.

Source: United Airlines, records.

**Table 18.44-- STATE COMMERCIAL HARBORS: 2003**

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	762
Kawaihae	40	35	1,500	1,450	1,562	23	558
Maui:							
Kahului	35	35	2,400	2,050	3,319	87	1,290
Molokai:							
Kaunakakai	23	23	1,500	600	691	7.4	125
Lanai:							
Kaunapali	60	20-60	(NA)	(NA)	400	-	100
Oahu:							
Honolulu Main	} 45	40	{ 3,300	1,520	} 29,872	1,447	8,935
Kapalama							
Barbers Point	42	38	2,100	1,800	2,990	36	1,838
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,916	76	1,372
Port Allen	35	35	1,500	1,200	1,200	35	32

NA Not available.

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

**Table 18.45-- HARBOR DEPTHS: 2001**

[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, *2001 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>> accessed July 28, 2003.

**Table 18.46-- SMALL CRAFT MOORING FACILITIES,  
BY ISLANDS: DECEMBER 31, 2003**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,888	1,597	311	169	501	291
Hawaii	326	302	-	-	-	51
Maui	188	187	125	-	143	105
Oahu	1,258	1,000	170	155	246	119
Kauai	116	108	16	14	112	16

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



**Table 18.47-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLANDS:  
2003**

[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	647	314	333	20	2/ 25	3/ 913	4/ 138
Hawaii	67	54	13	8	24	156	115
Maui	64	25	39	2	24	170	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	1	1	-	-	7	120	20
Lanai	15	8	7	1	8	91	13
Molokai	22	12	10	5	21	213	138
Oahu	337	161	176	4	25	913	71
Kauai	56	27	29	-	25	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	43	38
At sea	64	5	59	-	-	-	-

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

2/ Kaena Point Light and Kilauea Light.

3/ Kaena Point Light.

4/ Molokai Light.

Source: Fourteenth Coast Guard District, records.

**Table 18.48-- UNDOCUMENTED VESSEL REGISTRATION:  
DECEMBER 31, 2003**

Subject	Number	Subject	Number
Registered vessels	15,587	Type of vessel:	
Length:		Aux. powered sailing vessel	1,176
Under 16 feet	5,827	Cabin motorboat	2,668
16 to less than 26 feet	7,918	Open motorboat	5,841
26 to less than 40 feet	1,632	Runabout	2,627
40 to 65 feet	193	Sail only	720
Over 65 feet	17	Motor vessel over 65 feet in length	8
Hull material:		Thrill craft	1,487
Aluminum	522	Other	1,060
Fiberglass / plastic	13,437	Uses:	
Rubber / fabric	770	Pleasure	14,026
Wood	650	Commercial fishing	374
Other	170	Charter fishing	17
Steel	38	Commercial passenger	336
Propulsion:		Other commercial	148
Inboard	6,387	Livery	232
Outboard	3,267	Dealer	25
Inboard / outboard	2,217	Manufacturer	4
Sail / inboard	661	Youth group - fee exempt	88
Sail / outboard	588	Government - fee exempt	305
Sail only	690	Other	32
Manual	240	Island where vessel is kept:	
Other	70	Hawaii	2,521
Waterjet	1,467	Kauai	1,604
Mooring location:		Lanai	84
Moored on water	4,172	Maui	1,733
Moored on land	11,415	Molokai	200
		Oahu	9,445

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

**Table 18.49-- NUMBERED VESSELS REGISTERED IN HAWAII:  
1997 TO 2003**

[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]

<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
15,138	15,138	15,481	14,874	14,273	15,445	15,587

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 18.50-- BOATING ACCIDENTS: 1991 TO 2002**

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
2002	22	2	2	7	24	118.0

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 18.51-- VESSEL ARRIVALS, BY DRAFT: 2000 AND 2001**

[Excludes domestic fishing craft]

Harbor	2000			2001		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	900	846	54	987	894	93
Kawaihae	820	812	8	768	759	9
Kahului	1,453	1,198	255	1,595	1,309	286
Kaunakakai	1/ 572	1/ 572	-	1/ 582	1/ 582	-
Kalaupapa	3	3	-	1	1	-
Honolulu	7,430	6,352	1,078	7,218	6,309	909
Barbers Point	1,909	1,808	101	1,887	1,818	69
Nawiliwili	672	621	51	628	586	42
Port Allen	30	30	-	31	31	-

1/ 21 feet and less.

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2001 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>> accessed July 28, 2003.

**Table 18.52-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1984 TO 2003**

[Years ended June 30]

Year	Overseas vessels		Inter-island 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	6,325,580	2,215	1,872,074
2001	1,295	6,467,388	2,280	1,863,218
2002	1,270	6,425,288	2,663	1,796,910
2003	1,169	(NA)	2,521	(NA)

NA Not available.

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

**Table 18.53-- OVERSEAS AND INTER-ISLAND PASSENGER ARRIVALS  
AND DEPARTURES, FOR HONOLULU HARBOR: 1997 TO 2002**

[Fiscal years ended June 30]

Type of passenger	1997	1998	1999	2000	2001	2002
Overseas:						
In	18,262	25,570	45,494	31,767	48,429	130,792
Out	17,527	28,932	44,389	31,845	46,922	134,483
Inter-island:						
In	46,825	43,522	47,950	52,570	47,870	19,952
Out	40,558	43,754	47,782	52,883	71,816	31,345

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

**Table 18.54-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:  
1992 TO 2001**

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

Year	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
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	15,501 1/	6,778 1/	1,581
2001	1,680	1,378	3,695	16,562	6,079	1,478

1/ Revised.

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2001 Waterborne Commerce of the United States* (annual), Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>> accessed July 28, 2003.



**Table 18.55-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC, FOR SPECIFIED HARBORS: 2001**

[In thousands of short tons]

Category	Hilo	Kawaihae	Kahului	Honolulu	Barbers Point	Nawiliwili
All freight traffic	1,680	1,378	3,695	16,562	6,079	1,478
Foreign						
Imports	-	-	157	4,265	1,990	-
Exports	-	-	-	520	222	-
Canadian						
Imports	-	-	-	5	-	-
Exports	-	-	-	-	-	-
Domestic, total						
Coastwise	1,680	1,378	3,539	11,772	3,867	1,478
Receipts	1,250	952	2,257	6,419	2,222	946
Shipments	430	425	1,281	5,294	1,642	532
Internal & intraport	-	-	-	59	3	-

Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *2001 Waterborne Commerce of the United States*, Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>> accessed July 28, 2003.

**Table 18.56-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2001**

[In thousands of short tons]

Port and commodity	Total	Receipts 1/	Shipments 2/
Hilo	1,680	1,250	430
Petroleum and petroleum products	417	413	4
Primary manufactured goods	728	443	284
Food and farm products	179	122	57
Manufactured equipment, machinery and products	270	204	67
Kawaihae	1,378	952	425
Primary manufactured goods	978	635	343
Food and farm products	105	94	11
Manufactured equipment, machinery and products	232	166	66
Kahului	3,695	2,414	1,281
Petroleum and petroleum products	516	515	1
Primary manufactured goods	1,872	1,077	794
Food and farm products	467	189	278
Manufactured equipment, machinery and products	521	343	177
Honolulu	16,562	10,689	5,873
Petroleum and petroleum products	4,829	4,224	605
Lumber	405	224	180
Primary manufactured goods	4,976	2,309	2,667
Food and farm products	1,981	1,177	804
Manufactured equipment, machinery and products	3,422	3,419	1,283
Vehicles and parts	949	414	536
Barbers Point	3,867	2,222	1,642
Petroleum and petroleum products	3,789	2,211	1,574
Cement and concrete	67	-	67
Nawiliwili	1,478	946	532
Primary manufactured goods	884	543	340
Food and farm products	178	94	84
Manufactured equipment, machinery and products	299	194	104
Kaunakakai	155	(NA)	(NA)
Port Allen	-	(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, 2001 *Waterborne Commerce of the United States*, Part 4 <<http://www.iwr.usace.army.mil/ndc/wcuspa01.pdf>> accessed July 28, 2003.

**Table 18.57-- TRANSPORTATION AND WAREHOUSING SUMMARY STATISTICS  
FOR THE STATE: 1997**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in earlier Economic Censuses. Therefore, comparability between the 1992 and the 1997 data may be limited]

<b>NAICS code</b>	<b>Kind of business</b>	<b>Establishments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
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 18.58-- 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.