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## 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's 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, the U.S. Census Bureau, 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: 2008*, Section 23.

**Table 18.01-- HIGHWAY DISTANCES: 2006**

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 ISLAND: DECEMBER 31, 2004 TO 2006**

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

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2004				
State total	4,316.35	88.55	4,055.39	172.41
Hawaii	1,466.06	-	1,406.76	59.30
Maui	630.69	-	573.99	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,625.34	88.55	1,528.87	7.92
Kauai	413.92	-	391.43	22.49
Niihau	-	-	-	-
2005				
State total	4,332.21	88.53	4,071.27	172.41
Hawaii	1,471.84	-	1,412.54	59.30
Maui	634.00	-	577.30	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,628.23	88.53	1,531.78	7.92
Kauai	417.80	-	395.31	22.49
Niihau	-	-	-	-
2006				
State total	4,342.06	88.53	4,081.12	172.41
Hawaii	1,474.19	-	1,414.89	59.30
Maui	635.21	-	578.51	56.70
Lanai	47.48	-	33.48	14.00
Molokai	135.77	-	123.77	12.00
Oahu	1,632.43	88.53	1,535.98	7.92
Kauai	416.98	-	394.49	22.49
Niihau	-	-	-	-

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

**Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2006**

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: 2002 TO 2007**

Area	Number of bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		Number	Percent	Number	Percent	Number	Percent
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
2003							
U.S.	592,246	160,819	27.2	79,811	13.5	81,008	13.7
Hawaii	1,097	512	46.7	155	14.1	357	32.5
2004							
U.S.	593,885	158,318	26.7	77,758	13.1	80,560	13.6
Hawaii	1,099	513	46.7	156	14.2	357	32.5
2005							
U.S.	594,616	156,177	26.3	75,871	12.8	80,306	13.5
Hawaii	1,104	514	46.6	160	14.5	354	32.1
2006							
U.S.	596,842	153,990	25.8	73,764	12.4	80,226	13.4
Hawaii	1,110	513	46.2	156	14.1	357	32.2
2007							
U.S.	599,766	152,316	25.4	72,524	12.1	79,792	13.3
Hawaii	1,115	500	44.8	142	12.7	358	32.1

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. Department of Transportation, Federal Highway Administration, Bridge Technology, Deficient Bridges by State and Highway System <<http://www.fhwa.dot.gov/bridge/deficient.htm>> accessed March 25, 2008; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2006**

Island and name of tunnel	Length (feet)
Oahu	
Pali, Honolulu side	1,000
to Honolulu from Honolulu	1,080
Pali, Kailua side	500
to Honolulu from Honolulu	497
Wilson	2,775
to Honolulu from Honolulu	2,813
H-3	4,890
to Honolulu from Honolulu	5,165
H-3, Hospital Rock	353
to Honolulu from Honolulu	354
Middle Street	393
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:  
1997 TO 2007**

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

Year	All vehicles registered	Motor vehicles				
		All motor vehicles	Passenger vehicles 1/	Ambulances, hearses, patrol wagons	Buses	
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	
2004	1,100,646	1,072,211	867,120	44	2,510	
2005	1,149,403	1,119,838	906,799	47	2,472	
2006	1,159,256	1,127,467	907,659	46	2,349	
2007	1,167,240	1,134,542	911,607	47	2,260	
		Motor vehicles -- continued				
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers	
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	
2004	178,596	547	449	22,945	28,435	
2005	184,513	603	530	24,874	29,565	
2006	189,878	670	682	26,183	31,789	
2007	192,175	696	779	26,978	32,698	

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 COUNTY:  
1995 TO 2007**

[Taxable and exempt vehicles. Includes passenger cars, ambulances, buses, trucks, motorcycles and vehicles registered but subsequently scrapped or shipped out of 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>
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
2004	1,072,211	688,163	159,627	71,517	152,904
2005	1,119,838	714,604	169,396	75,561	160,277
2006	1,127,467	719,606	173,786	74,734	159,341
2007	1,134,542	722,486	176,386	75,594	160,076

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

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,  
BY COUNTY: 2007**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of 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	1,167,240	738,355	185,349	78,999	164,537
Motor vehicles	1,134,542	722,486	176,386	75,594	160,076
Passenger vehicles 1/	911,607	599,309	135,538	53,937	122,823
Ambulances	47	27	5	1	14
Buses	2,260	1,770	271	13	206
Trucks 1/	192,175	102,489	36,550	19,919	33,217
Truck tractors	696	410	175	16	95
Truck cranes	779	606	82	7	84
Motorcycles, motorscooters 2/	26,978	17,875	3,765	1,701	3,637
Trailers and semi-trailers	32,698	15,869	8,963	3,405	4,461

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,  
BY COUNTY: 2007**

[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	1,107,564	704,611	172,621	73,893	156,439
Taxable vehicles	1,034,849	635,659	171,108	73,120	154,962
Exempt vehicles	72,715	68,952	1,513	773	1,477
Federal government	406	396	8	-	2
State government	5,741	5,736	3	-	2
County government	6,885	4,271	889	522	1,203
Fire department	268	68	121	42	37
Police department	1,666	1,305	356	1	4
Consulates	58	57	1	-	-
Disabled veterans	87	48	8	27	4
Military non-resident	57,178	56,874	60	169	75
Farm	210	45	40	3	122
Horseless carriage	53	46	6	1	-
Electric vehicles	163	106	21	8	28

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

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

<b>Vehicles available</b>	<b>State total</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Kalawao</b>	<b>Kauai</b>	<b>Maui</b>
Occupied units	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: 1987 TO 2002**

Category (100 percent)	Selected characteristic	Percent of category			
		1987	1992	1997	2002
Total trucks (1,000)		160.8	280.3	294.2	351.4
Business 1/ Body type	Personal transportation Pickup, mini-van, other light van, and sport utility	60.5	61.7	70.1	74.0
Vehicle size	Light	91.2	93.8	94.9	95.9
Annual miles	Less than 10,000 2/	94.6	95.6	95.9	96.9
Model year	Over 4 years old	57.0	50.0	44.3	51.1
Vehicle acquisition	New	62.1	66.8	74.1	68.0
Truck type	Single-unit, 2 axles 3/	49.6	54.3	48.3	50.4
Range of operation	50 miles or less	96.4	96.6	97.7	98.1
Fuel type	Gasoline	80.2	79.3	81.2	70.5
		94.6	94.6	95.1	93.7

1/ Comparability of estimates may vary across survey years due to changes in category definitions.

2/ Includes vehicles not in use.

3/ Excludes truck-tractors not in use.

Source: U.S. Bureau of the Census, *Truck Inventory and Use Survey, 1992 Census of Transportation*, TC92-T-12 (December 1994), table 2 <<http://www.census.gov/prod/1/trans/92trkinv/tct12.pdf>>; U.S. Census Bureau, *2002 Economic Census, Vehicle Inventory and Use Survey, Geographic Area Series, Hawaii*, EC02TV-HI (October 2004), tables 1a and 2a <<http://www.census.gov/svsd/www/02vehinv.html>> accessed May 12, 2005.

**Table 18.12-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS: 1989 TO 2007**

[Excludes U-drive/Fleet sales]

Year	Number	Year	Number	Year	Number
1989	57,456	1996	41,480	2003	62,712
1990	54,544	1997	42,487	2004	70,457
1991	47,783	1998	40,673	2005	70,268
1992	44,865	1999	45,054	2006	67,224
1993	45,249	2000	51,500	2007	57,526
1994	44,175	2001	51,388		
1995	41,083	2002	53,314		

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2008 Second Quarter*, and records.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY NAMEPLATE: 2005 TO 2007**

[Excludes U-drive/Fleet sales]

<b>Nameplate</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Total	70,732	67,224	57,526
Toyota/Scion	17,512	17,919	15,673
Honda	7,621	7,843	7,688
Nissan	7,777	7,812	7,043
Ford	7,062	6,122	4,512
Chevrolet	4,692	3,625	2,802
Dodge	3,688	3,029	2,041
Mazda	2,865	2,721	1,922
Lexus	1,788	1,983	1,768
BMW	1,329	1,261	1,364
Kia	1,256	1,267	1,187
Mercedes	1,553	1,450	1,172
Hyundai	1,646	1,273	1,155
Volkswagen	931	1,024	918
Jeep	974	896	845
GMC	1,149	875	784
Acura	886	908	784
Saturn	754	699	700
Chrysler	820	768	490
All others	6,429	5,749	4,678

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2006 Annual Yearbook Edition And 1st Quarter, 2006; 2007 Edition 1; and 2008 Second Quarter.



**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2005 TO 2007**

[Excludes U-drive/Fleet sales]

<b>Type and place of manufacture</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Total	70,268	67,224	57,526
Car	30,999	29,603	24,650
Light truck	39,269	37,621	32,876
Chrysler, Ford, General Motors	20,742	17,637	13,416
Japanese	40,790	41,415	36,602
European	5,834	5,632	5,166
Korean	2,902	2,540	2,342

Source: Hawaii Automobile Dealers Association, *Hawaii Dealer*, 2006 Annual Yearbook Edition And 1st Quarter, 2006; 2007 Edition 1; and 2008 Second Quarter.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:  
1991 TO 2007**

[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
2004	843,876	577,507	116,486	48,967	100,916
2005	856,163	584,492	119,741	49,880	102,050
2006	867,003	590,975	122,087	50,539	103,402
2007	882,466	600,264	125,063	51,504	105,635

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

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE  
AND SEX: 2006 AND 2007**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2006	2007	2006	2007	2006	2007
Total	867,003	882,466	455,184	462,852	411,819	419,614
15 to 19	29,602	29,435	15,848	15,760	13,754	13,675
20 to 24	73,238	73,253	38,754	38,869	34,484	34,384
25 to 29	82,431	84,740	43,379	44,554	39,052	40,186
30 to 34	76,969	78,335	39,894	40,477	37,075	37,858
35 to 39	82,918	83,121	42,728	43,000	40,190	40,121
40 to 44	86,730	85,266	44,799	43,923	41,931	41,343
45 to 49	89,102	89,589	46,146	46,549	42,956	43,040
50 to 54	88,219	89,002	45,635	45,869	42,584	43,133
55 to 59	80,347	82,298	42,489	43,287	37,858	39,011
60 to 64	60,755	66,114	32,561	35,286	28,194	30,828
65 to 69	39,892	42,694	21,529	23,074	18,363	19,620
70 to 74	29,991	30,383	15,892	16,157	14,099	14,226
75 to 79	23,901	24,076	12,336	12,362	11,565	11,714
80 to 84	15,598	16,153	8,675	8,772	6,923	7,381
85 to 89	6,054	6,615	3,674	3,996	2,380	2,619
90 to 94	1,168	1,287	780	838	388	449
95 to 99	88	105	65	79	23	26

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

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1990 TO 2006, AND BY COUNTY, 2005 AND 2006**

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
2004	498,816	463	9,734.6	9,042
2005	505,418	459	10,129.1	9,191
2006	531,505	478	10,226.3	9,206
COUNTY: 2005				
Honolulu	317,433	436	6,260.3	8,593
Hawaii	88,959	541	1,651.2	10,043
Kauai	29,756	378	791.5	10,066
Maui	69,270	531	1,426.0	10,932
COUNTY: 2006				
Honolulu	324,902	445	6,319.0	8,659
Hawaii	95,723	568	1,657.8	9,830
Kauai	38,568	495	810.1	10,403
Maui	72,311	537	1,439.5	10,694

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: 2004 TO 2006**

Site	2004	2005	2006
Pali Highway at tunnels 1/	46,783	48,793	44,950
Likelike Highway at tunnels 2/	(NA)	28,084	31,073
H-1 Freeway at Manoa-Palolo Drainage Canal 1/	111,434	113,497	107,546
H-1 Freeway at Kapalama Drainage Canal Bridge 2/	217,290	216,699	(NA)
Nimitz Highway at Kapalama Drainage Canal Bridge 2/	77,719	61,380	61,171
Kalaniana'ole Highway east of Ainakoa Ave. 1/	83,915	85,900	85,212

NA Not available.

1/ Annual average daily traffic (AADT), the average of 24 hour counts collected every day in the year.

2/ Average daily traffic (ADT), the average of 24 hour counts collected a number of days greater than one, but less than a year.

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

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU  
URBANIZED AREA: 2002 TO 2005**

Subject	2002	2003	2004	2005
Population (1,000)	700	700	700	705
Urban area (square miles)	140	140	140	140
Population density (persons/square mile)	5,000	5,000	5,000	5,036
Peak travelers (1,000)	372	376	378	383
Daily vehicle-miles of travel (1,000)				
Freeway	5,775	5,930	6,000	6,015
Arterial streets	1/ 3,155	1/ 3,175	3,200	3,250
Cost components				
Value of time (\$/hour)	13.45	13.75	14.10	14.60
Commercial cost (\$/hour)	71.05	72.65	74.60	77.10
Fuel cost (\$/gallon)	1.72	2.03	2.38	2.63
Congested system (percent of lane-miles)	46	46	46	48
Number of daily rush hours 2/	6.4	6.6	6.8	6.8
Annual excess fuel consumed 3/				
Total (1,000 gallons)	1/ 4,930	1/ 5,466	5,680	6,255
Per peak traveler (gallons)	1/ 13	1/ 15	15	16
Annual delay (person-hours) 4/				
Total (1,000)	1/ 7,252	1/ 8,110	8,496	9,342
Per peak traveler 5/	1/ 20	1/ 22	22	24
Congestion cost 6/				
Total (\$ million)	1/ 116	1/ 134	145	166
Per peak traveler (\$)	1/ 313	1/ 355	383	434

1/ Revised from previous *Data Book*.

2/ Time when system might have congestion.

3/ Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

4/ Travel time above that needed to complete a trip at free-flow speeds (60 mph on freeways and 35 mph on arterials).

5/ Extra time required to travel in the peak period divided by the number of travelers who begin a trip during the peak period (6 to 9 a.m. and 4 to 7 p.m.).

6/ Value of travel delay for 2005 (estimated at \$14.60 per hour of person travel and \$77.10 per hour of truck time) and excess fuel consumption (estimated using state average cost per gallon).

Source: Texas Transportation Institute, *2007 Annual Urban Mobility Report*

<[http://mobility.tamu.edu/ums/congestion\\_data/west\\_map.stm](http://mobility.tamu.edu/ums/congestion_data/west_map.stm)> accessed May 20, 2008.

**Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1995 TO 2007, AND BY COUNTY, 2005 TO 2007**

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
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	10,663	116	8,950	120
2003	11,116	117	8,928	135
2004	11,007	128	8,827	142
2005	2/ 10,591	129	2/ 8,548	140
2006	9,434	144	7,748	157
2007	3/ 5,560	123	3/ 4,267	134
COUNTY: 2005				
Honolulu	6,824	73	5,294	76
Hawaii	2/ 2,168	32	2/ 1,790	39
Kauai	649	9	397	10
Maui	2/ 950	15	2/ 1,067	15
COUNTY: 2006				
Honolulu	6,371	81	4,909	90
Hawaii	1,586	34	1,357	34
Kauai	553	10	442	14
Maui	924	19	1,040	19
COUNTY: 2007				
Honolulu	3/ 4,532	61	3/ 3,333	67
Hawaii	3/ 127	34	3/ 106	38
Kauai	599	9	494	9
Maui	3/ 302	19	3/ 334	20

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*.

3/ Preliminary.

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

**Table 18.21-- DRIVERS INVOLVED IN FATAL CRASHES AND BLOOD ALCOHOL CONCENTRATION (BAC) OF THE DRIVER: 2004 TO 2006**

[Blood alcohol concentration (BAC) is measured in grams per deciliter (g/dl), one decileter = 1/10 liter. Totals may not equal sum of county totals due to independent rounding. Also, percentages as displayed are calculated from unrounded number of estimated fatalities and may not equal those calculated from the rounded numbers (especially for counties with very few fatalities)]

County	All drivers	No alcohol BAC = 0.00		Any alcohol BAC = 0.01 +		BAC = 0.01 - 0.07		BAC = 0.08 +	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
2004, State total	187	136	73	51	27	10	5	41	22
Hawaii	53	36	68	17	32	3	5	15	27
Honolulu	88	68	77	20	23	3	4	17	19
Kauai	13	10	76	3	24	3	23	-	1
Maui	33	22	67	11	33	1	3	10	30
2005, State total	176	1/ 114	65	1/ 62	35	12	7	1/ 50	28
Hawaii	46	28	1/ 61	18	1/ 39	5	11	13	1/ 27
Honolulu	97	1/ 68	1/ 70	1/ 29	1/ 30	5	5	1/ 24	1/ 25
Kauai	11	8	1/ 71	3	1/ 29	-	-	3	1/ 29
Maui	22	10	45	12	55	2	9	10	45
2006, State total	203	131	65	72	35	14	7	58	28
Hawaii	50	30	61	20	39	2	5	17	34
Honolulu	107	73	68	34	32	5	5	29	27
Kauai	18	12	64	7	36	1	7	5	29
Maui	28	16	59	12	41	5	18	7	23

1/ Revised from previous *Data Book*.

Source: U.S. Department of Transportation, National Highway Traffic Safety Administration (NHTSA), National Center for Statistics & Analysis (NCSA), Fatality Analysis Reporting System (FARS), FARS Web-Based Encyclopedia, FARS Encyclopedia: Reports <<http://www-fars.nhtsa.dot.gov/States/StatesAlcohol.aspx>> accessed January 22, 2008.



**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:  
2005 TO 2007**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2005	2006	2007	2005	2006	2007
Hawaii	180	165	219	1,485	1,357	1,662
Maui	3/ 250	3/ 236	3/ 242	1,709	3,540	4,124
Lanai	(NA)	(NA)	(NA)	44	30	12
Molokai	(NA)	(NA)	(NA)	35	19	11
Oahu	1,434	1,560	1,484	200,240	229,135	254,142
Kauai 4/	-	-	-	437	278	405

NA Not available.

1/ Taxicabs are licensed annually, except in Kauai County where registration is not required.

Maui data are for the County of Maui. Oahu data are for fiscal year July 1 to June 30.

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/ Total for Maui, Lanai and Molokai; data are not available separately.

4/ As of January 1, 1999, bicycles are issued a permanent bicycle tag which is good for the life of the bicycle.

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): 1997 AND 2002**

[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]

Subject	State total	County			
		Hawaii	Honolulu	Kauai	Maui
Number of establishments:					
1997	63	11	25	(NA)	19
2002	64	13	19	10	22
Revenue (\$1,000):					
1997	347,624	45,172	154,679	(NA)	104,759
2002	478,241	70,509	208,435	61,100	138,197

NA Not available.

Source: U.S. Census Bureau, *1997 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC97F53A-HI, (Aug. 1999), tables 1 and 3 <<http://www.census.gov/epcd/www/97EC53.HTM>>; *2002 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC02-53A-HI, (Dec. 2004), tables 1 and 3 <[http://www.census.gov/econ/census02/guide/02EC\\_HI.HTM](http://www.census.gov/econ/census02/guide/02EC_HI.HTM)> accessed February 25, 2005.

**Table 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTY:  
2005 TO 2007**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
2005					
State total	2,085	8,142	195,408	6,661	33,374
Hawaii	257	1,251	30,024	1,347	6,752
Maui	334	2,173	52,152	1,196	4,644
Honolulu	1,330	3,966	95,184	3,490	19,488
Kauai	164	752	18,048	628	2,490
2006					
State total	1,935	7,622	188,022	6,471	32,488
Hawaii	201	1,162	29,990	1,241	6,322
Maui	295	1,936	47,696	1,038	4,261
Honolulu	1,294	3,853	94,058	3,552	19,552
Kauai	145	671	16,278	640	2,353
2007					
State total	2,193	7,904	192,267	7,566	35,611
Hawaii	241	1,198	30,530	1,741	6,905
Maui	369	2,005	48,746	1,246	4,705
Honolulu	1,423	4,003	96,308	3,907	21,507
Kauai	160	698	16,683	672	2,494

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 2007**

[As of June 30. 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
2004 3/	536	19,380,256	61,297,980	33,652,238
2005	525	21,558,149	67,406,827	39,925,419
2006	525	21,166,957	70,384,355	41,531,437
2007	531	21,075,512	71,749,376	41,742,352

1/ Estimated number of vehicle miles.

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

3/ Bus strike for 34 days.

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 2008**

[As of May 7, 2008. In dollars]

Effective date	One-way cash fare		Monthly pass	
	Adult 1/	Youth 2/	Adult 1/	Youth 2/
March 1, 1971	.25	.15	(X)	(X)
March 2, 1971	.25	.10	(X)	(X)
June 9, 1972 3/	.25, .50	.10, .25	(X)	(X)
March 15, 1974	.25	.10	(X)	(X)
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

X Not applicable.

1/ Adult means any person over the age of 17 who does not qualify as a "youth".

2/ "Youth" means a person 6 through 17 years of age, subject to the presentation of a valid identification card establishing the age of the person. The term includes high school students, up to 19 years of age, with a valid high school identification card establishing the age of the students and the student's current enrollment, but excludes college, university and vocational training students if over the age of 17.

3/ Zone fares initiated and later eliminated.

4/ Other fares. Annual pass, adult: \$440.00, youth: \$220.00.

Adult visitor pass: \$20.00 for a four consecutive day period.

Senior citizen, a person 65 years of age or older:

one-way fare: \$1.00 with valid TheBus senior card or valid US Medicare card;

monthly pass: \$10.00 with valid State ID card, driver's license, birth certificate or passport;

monthly pass sticker: \$5.00 with valid TheBus senior card;

annual pass or renewal sticker: \$30.00 with approved application.

Person with a disability:

one-way fare: \$1.00 with valid disability bus pass or valid US Medicare card;

monthly pass: \$10.00 with approved application or valid US Medicare card;

monthly pass sticker: \$5.00 with valid disability bus pass;

annual pass or renewal sticker: \$30.00 with approved application or valid US Medicare card.

FootballExpress. One-way fare: \$3.00, roundtrip fare: \$6.00.

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

<<http://www.thebus.org/Fare/FarePasses.asp>> accessed May 7, 2008.

**Table 18.27-- STEAM RAILROAD MILEAGE AND PASSENGERS:  
1987 TO 2007**

[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]

Year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway		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)	1998	6.0	(NA)	6.5	19,763
1988	6.0	285,139	(NA)	(NA)	1999	6.0	281,161	7.0	14,733
1989	6.0	296,391	(NA)	(NA)	2000	(NA)	(NA)	7.0	13,962
1990	6.0	308,910	(NA)	(NA)	2001	(NA)	(NA)	7.0	14,982
1991	6.0	316,079	(NA)	(NA)	2002	(NA)	(NA)	7.0	17,882
1992	6.0	385,261	(NA)	(NA)	2003	(NA)	(NA)	7.0	15,970
1993	6.0	388,484	(NA)	(NA)	2004	(NA)	(NA)	7.0	15,013
1994	6.0	390,862	5.0	1/ 12,821	2005	(NA)	(NA)	7.0	16,069
1995	6.0	447,211	6.5	16,704	2006	(NA)	(NA)	7.0	14,869
1996	6.0	418,099	6.5	19,678	2007	(NA)	(NA)	7.0	15,808
1997	6.0	369,327	6.5	20,850					

NA Not available.

1/ Data incomplete.

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

**Table 18.28-- AIRPORTS AND HELIPORTS, BY CONTROL,  
BY ISLAND: 2006 AND 2007**

[As of December 31]

Island	Airports 1/				Heliports 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
2006						
State total	9	7	6	1	-	6
Hawaii	2	2	1	-	-	5
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-
2007						
State total	9	7	6	1	-	6
Hawaii	2	2	1	-	-	5
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 2006**

[Fiscal year ending June 30]

Year	Aircraft operations 1/	Enplaned passengers 2/	Rank 3/
2000	237,188	10,815,367	23
2001	231,388	10,150,357	24
2002	219,286	9,108,574	25
2003	213,995	9,148,533	24
2004	217,151	9,250,413	25
2005	250,780	9,629,674	26
2006	246,383	9,583,299	25

1/ Include itinerant air carrier and air taxi only.

2/ Include air carrier, commuter and international.

3/ Ranking of top 100 FAA towers by total enplanements, 1 for highest number of passengers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary* (annual) <[http://www.faa.gov/data\\_statistics/aviation/taf\\_reports](http://www.faa.gov/data_statistics/aviation/taf_reports)> accessed May 7, 2008.



**Table 18.30-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2005 TO 2007**

[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>
2005					
Honolulu International	330,506	183,121	65,728	66,852	14,805
Kahului	168,449	59,210	77,844	27,326	4,069
Kona International	154,967	22,497	22,536	92,792	17,142
Lihue	107,497	27,220	54,987	19,639	5,651
Hilo International	108,462	16,617	54,036	27,843	9,966
Molokai	39,364	-	26,349	10,977	2,038
Kalaeloa	164,948	187	2,617	142,031	20,113
2006					
Honolulu International	317,317	187,152	61,025	54,083	15,057
Kahului	164,992	67,676	70,272	24,468	2,576
Kona International	143,411	29,232	21,685	72,968	19,526
Lihue	118,169	26,551	61,438	26,287	3,893
Hilo International	96,724	17,226	50,485	20,294	8,719
Molokai	39,685	181	27,488	10,137	1,879
Kalaeloa	145,264	-	3,102	122,319	19,843
2007					
Honolulu International	310,607	182,185	65,744	49,207	13,471
Kahului	148,034	52,172	72,935	20,237	2,690
Kona International	144,537	32,359	19,635	75,767	16,776
Lihue	116,461	25,652	55,705	30,342	4,762
Hilo International	96,011	16,393	52,935	19,378	7,305
Molokai	37,615	-	26,821	9,407	1,387
Kalaeloa	123,184	-	1,706	102,407	19,071

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

**Table 18.31-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORT:  
1991 TO 2007**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	Hilo International Airport	Kona International Airport 1/	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
2002	323,726	97,540	123,704	157,868	102,426	43,065
2003	301,919	99,415	119,210	151,558	97,576	40,944
2004	320,520	107,880	137,918	160,552	104,506	36,757
2005	330,506	108,462	154,967	168,449	107,497	39,364
2006	317,317	96,724	143,411	164,992	118,169	39,685
2007	310,607	96,011	144,537	148,034	116,461	37,615

1/ 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.

**Table 18.32-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS  
SERVING HAWAII: 1996 TO 2007**

[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>	<b>2000</b>	<b>2001</b>
All carriers	39	40	40	43	45	46
Transpacific only	24	25	27	29	27	26
Domestic	12	12	12	12	11	11
Foreign	12	13	15	17	16	15
Transpacific and interisland	5	6	4	4	5	5
Interisland only	10	9	9	10	13	15
Passenger carriers	6	6	5	6	7	7
Cargo and mail only	4	3	4	4	6	8
<b>Service</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
All carriers	47	46	45	45	45	45
Transpacific only	27	28	26	27	1/ 28	29
Domestic	11	12	10	11	1/ 12	14
Foreign	16	16	16	16	16	15
Transpacific and interisland	7	5	7	6	6	5
Interisland only	13	13	12	12	1/ 11	11
Passenger carriers	7	7	7	6	6	5
Cargo and mail only	6	6	5	6	1/ 5	6

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Airports Division, records;  
starting 2004 data from Official Airline Guide, records; calculations by the Hawaii State  
Department of Business, Economic Development & Tourism.

**Table 18.33-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR  
ARRIVING FLIGHTS: 2005 TO 2007**

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

<b>Airport</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
State of Hawaii	10,023,606	10,360,886	10,198,556
Honolulu International	7,229,731	7,285,179	7,329,370
Kahului	1,852,814	1,954,782	1,875,590
Kona International	604,930	661,932	576,334
Hilo International	(NA)	42,175	49,875
Lihu'e	336,131	416,818	367,387
Domestic	7,172,245	7,566,024	7,407,930
International	2,851,361	2,794,862	2,790,626

NA Not available.

Source: Official Airline Guide, *FlightDisk Worldwide Edition*. Calculations by the Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch  
<<http://www.hawaii.gov/dbedt/info/visitor-stats/tourism/2007/dec07.xls>> accessed January 29, 2008.

**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: 2005 AND 2006**

Subject	Aloha Airlines		Hawaiian Airlines	
	2005	2006	2005	2006
Operating aircraft (year-end)	21	24	25	29
Employees (full-time equivalents)	2,524	2,649	3,040	3,064
Aircraft departures 1/	56,231	55,701	49,200	53,126
Passengers enplaned (1,000) 2/	3,950	3,470	5,786	6,157
Revenue passenger miles (million) 2/	2,151	1,813	6,617	6,832
Cargo revenue ton miles (million) 1/	8	8	85	73
Revenues (\$million)				
Passenger 2/	375	309	750	797
Operating 1/	429	395	824	882
Profit/loss (\$million)				
Operating 1/	7	(26)	32	12
Net 3/	(18)	(42)	(865)	(5)

1/ All services.

2/ Scheduled services only.

3/ All services. Excludes bankruptcy-related charges (reorganization expenses and fresh-start accounting gains).

Source: Air Transport Association, Annual Reports of the U.S. Airline Industry, *ATA Economic Report* (annual) <[http://www.airlines.org/economics/review\\_and\\_outlook/annual+reports.htm](http://www.airlines.org/economics/review_and_outlook/annual+reports.htm)> accessed April 8, 2008.

**Table 18.36-- RANK OF HAWAII LOCATIONS AMONG THE TOP DOMESTIC AIRLINE MARKETS: 2000 TO 2006**

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

Rank	Origin or destination	Passengers (1,000)
2000		
8	Honolulu - Kahului	2,607
16	Honolulu - Lihue	1,733
24	Honolulu - Kona	1,466
2001 1/		
6	Honolulu - Kahului	2,120
13	Honolulu - Lihue	1,528
21	Honolulu - Kona	1,218
25	Honolulu - Hilo	1,132
2002 1/		
6	Honolulu - Kahului	2,019
13	Honolulu - Lihue	1,430
20	Honolulu - Kona	1,263
25	Honolulu - Hilo	1,103
2003 1/		
6	Honolulu - Kahului	1,791
21	Honolulu - Lihue	1,220
24	Honolulu - Kona	1,165
2004 1/		
13	Honolulu - Kahului	1,632
2005 1/		
16	Honolulu - Kahului	1,534
2006 2/		
12	Honolulu - Kahului	1,677
33	Honolulu - Lihue	1,142
35	Honolulu - Kona	1,113
39	Honolulu - Hilo	1,052

1/ Top 25 U.S. city pairs.

2/ Top 40 U.S. city pairs.

Source: Air Transport Association, Annual Reports of the U.S. Airline Industry, *ATA Economic Report* (annual) <[http://www.airlines.org/economics/review\\_and\\_outlook/annual+reports.htm](http://www.airlines.org/economics/review_and_outlook/annual+reports.htm)> accessed April 8, 2008.

**Table 18.37-- OVERSEAS AND INTER-ISLAND AIR PASSENGER  
MOVEMENTS: 1988 TO 2007**

[Revenue and non-revenue passengers, excluding Military Airlift Command (MAC)]

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
2002	7,414,344	7,370,010	232,806	8,587,568
2003	7,492,272	7,472,568	125,253	7,820,545
2004	8,033,491	8,058,756	175,507	7,713,639
2005	8,730,582	8,749,733	100,172	7,867,942
2006	8,330,646	8,382,891	112,158	2/ 8,273,740
2007	8,920,759	8,910,032	100,783	9,188,139

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo.

2/ Revised from previous *Data Book*.

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



**Table 18.38-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2006**

Airport	Passengers 1/		Cargo (U.S. tons) 2/		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
<b>OVERSEAS</b>						
Total	8,382,891	8,330,646	135,455	202,098	34,914	57,552
Honolulu	6,300,708	6,180,962	123,125	189,706	32,835	50,717
Kahului	1,350,369	1,381,122	4,924	7,682	1,111	4,036
Kona 3/	497,060	520,969	7,406	4,571	968	2,800
Lihue	208,743	219,897	-	138	-	-
Hilo	26,011	27,696	-	-	-	-
<b>INTERISLAND</b>						
Total	8,273,740	8,273,740	69,335	69,335	18,769	18,769
Honolulu	3,796,429	3,876,417	47,166	21,727	16,476	2,248
Kahului	1,490,963	1,468,422	4,543	13,412	860	7,733
Kona 3/	1,026,193	959,930	3,326	8,575	359	4,385
Lihue	1,032,712	1,023,104	3,190	10,540	472	1,206
Hilo	691,235	703,985	10,422	12,720	87	1,945
Waimea-Kohala	2,171	2,331	1	2	367	887
Hana	4,311	4,345	7	15	-	-
Kapalua	61,041	64,013	259	654	-	2
Molokai	108,284	110,940	333	785	60	216
Kalaupapa	6,249	5,760	14	169	7	20
Lanai	53,973	54,420	74	735	81	128
Princeville 4/	179	73	-	-	-	-

1/ Revenue and non-revenue passengers, excluding passengers in transit and Military Airlift Command (MAC). Overseas and interisland data were revised from previous *Data Book*.

2/ Overseas data were revised from previous *Data Book*.

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

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

**Table 18.39-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2007**

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
<b>OVERSEAS</b>						
Total	8,910,032	8,920,759	131,237	214,181	31,359	58,818
Honolulu	6,482,093	6,407,656	118,825	200,480	30,050	51,061
Kahului	1,597,194	1,635,918	5,157	9,531	678	4,544
Kona 2/	478,014	514,766	7,254	3,789	631	3,213
Lihue	318,338	325,350	-	380	-	-
Hilo	34,393	37,069	-	-	-	-
<b>INTERISLAND</b>						
Total	9,188,139	9,188,139	70,106	70,106	17,559	17,559
Honolulu	4,225,298	4,295,504	47,222	22,527	15,699	1,859
Kahului	1,644,999	1,636,703	4,267	13,412	875	7,172
Kona 2/	1,133,746	1,050,163	3,221	8,085	154	4,069
Lihue	1,159,455	1,152,251	3,546	10,795	354	1,122
Hilo	787,233	808,441	11,165	12,945	37	1,941
Waimea-Kohala	1,097	1,193	-	1	301	896
Hana	2,619	2,652	6	4	-	-
Kapalua	51,177	53,883	253	617	30	82
Molokai	114,999	119,400	329	804	85	270
Kalaupapa	3,695	4,088	12	146	5	15
Lanai	63,803	63,843	84	771	19	134
Princeville 3/	18	18	-	-	-	-

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

2/ Formerly Keahole Airport.

3/ Leased by the State of Hawaii.

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

**Table 18.40-- AIR CARGO AND AIRMAIL: 1989 TO 2007**

[In thousands of pounds]

Calendar year	Overseas air cargo		Overseas airmail		Interisland	
	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
2000	359,762	320,502	59,480	110,396	142,380	60,768
2001	242,956	204,588	50,680	102,582	150,074	42,866
2002	320,952	335,252	51,492	98,266	148,104	30,138
2003	392,530	368,656	72,564	93,030	146,188	34,916
2004	304,544	403,002	55,330	88,069	145,364	41,995
2005	298,381	409,956	60,351	101,662	144,955	48,445
2006	270,910	404,195	69,827	115,104	138,670	37,538
2007	262,473	428,361	62,718	117,636	140,212	35,117

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

**Table 18.41-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,  
BY DESTINATION: JULY 2007**

[Transpacific flights to depart from the State of Hawaii during a one-week period,  
including scheduled and chartered flights]

<b>Destination</b>	<b>Flights during week</b>	<b>Destination</b>	<b>Flights during week</b>
Transpacific	902	Canada	14
		Vancouver	14
U.S.	726	Japan	109
West	642	Nagoya	14
Denver	15	Osaka	21
Las Vegas	29	Tokyo	74
Los Angeles	219	Other Asia	10
Oakland	65	Seoul	7
Ontario	7	Taipei	3
Orange County	21	Australia / New Zealand	21
Phoenix	57	Auckland	3
Portland	21	Melbourne	2
Sacramento	18	Sydney	16
Salt Lake City	14	Other	22
San Diego	22	Christmas Island	1
San Francisco	104	Guam	7
San Jose	7	Kwajalin	1
Seattle	43	Majuro	4
East	84	Manila	3
Atlanta	11	Nadi	2
Chicago	21	Pago Pago	3
Cincinnati	3	Papeete	1
Dallas / Fort Worth	21		
Houston	14		
Minneapolis	7		
New York	7		

Source: Official Airline Guide, records; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.42-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY  
HAWAIIAN AIRLINES: 2003 TO 2007**

[As of July 1]

<b>Category</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Regular fare	119.00	139.60	144.70	167.80	182.90
Lowest capacity-controlled fare	69.00	81.60	91.70	44.80	44.90

Source: Hawaiian Airlines, records.

**Table 18.43-- AIR FARES BETWEEN HONOLULU AND LOS ANGELES,  
SAN FRANCISCO, AND SEATTLE, FOR UNITED AIRLINES:  
2004 AND 2005**

[Weekdays, in dollars. Additional charges are as follows. Tickets purchased through United reservation offices are \$5 per ticket higher and tickets purchased at airport ticket counters are \$10 per ticket higher. Fares purchased through other distribution channels may also be higher. Fares do not include the September 11th security fee of up to \$10 maximum per roundtrip or passenger facility charges of up to \$18, which may be collected depending on the itinerary. Fares do not include a \$7.00 (each way) departure tax]

Fare category	Los Angeles	San Francisco	Seattle
2004 1/			
One-way			
First class	1,201	1,251	1,444
Coach	714	714	796
Round-trip			
First class	2,402	2,502	2,888
Coach	1,428	1,428	1,592
Lowest round-trip (with restrictions)	576	576	716
2005 2/			
One-way			
First class	1,216	1,216	1,459
Coach	829	829	911
Round-trip			
First class	2,432	2,432	2,918
Coach	1,615	1,658	1,822
Lowest round-trip (with restrictions)	507	506	510

1/ As of May 3.

2/ As of June 2.

Source: United Airlines, records.

**Table 18.44-- STATE COMMERCIAL HARBORS: 2007**

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	2,749	122	906
Kawaihae	40	35	1,500	1,450	1,627	23	680
Maui:							
Kahului	35	35	2,400	2,050	3,319	44	1,401
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	1,298	8,940
Kapalama			{ 3,400	1,000			
Kalaheo	} 42	38	2,100	1,800	2,990	36	1,838
Barbers Point							
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, records.

**Table 18.45-- HARBOR DEPTHS: 2006**

[In feet]

Harbor	Controlling depth		Project depth	
	Entrance channel	Basin	Entrance channel	Basin
Hilo	(NA)	34	(NA)	35
Kawaihae	42	36	40	35
Kahului	(NA)	34	(NA)	35
Barbers Point	42	37	42	1/ 38
Honolulu	45	2/ 40	45	3/ 40
Nawiliwili	4/ 41	34	40	35

NA Not available.

1/ 21 feet in light-draft harbor basin.

2/ 40 feet in Kapalama Basin and in connecting channel.

3/ 40 feet in connecting channel, 23 feet in Kalihi channel.

4/ Outer and inner channel.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2006 , Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed May 6, 2008.



**Table 18.46-- SMALL CRAFT MOORING FACILITIES,  
BY ISLAND: DECEMBER 31, 2007**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,838	1,572	214	182	1/ 539+	444
Hawaii	378	345	30	21	1/ 100+	94
Maui	188	187	-	-	150	105
Oahu	1,147	916	168	145	1/ 250+	231
Kauai	125	124	16	16	39	14

1/ '+' means equal or greater (=>) than the number shown.

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, records.

**Table 18.47-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLAND:  
DECEMBER 2006**

[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	764	448	316	17	2/ 25	3/ 931	4/ 138
Hawaii	75	57	18	6	24	156	115
Maui	70	26	44	2	15	186	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	1	1	-	-	7	120	20
Lanai	9	9	-	-	8	91	13
Molokai	28	11	17	1	21	321	138
Oahu	294	158	136	4	25	931	71
Kauai	58	28	30	4	24	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	-
Midway	19	19	-	-	-	51	38
At sea	208	137	71	-	-	-	-

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: United States Coast Guard, Fourteenth Coast Guard District, records.

**Table 18.48-- UNDOCUMENTED VESSEL REGISTRATION:  
DECEMBER 31, 2007**

Subject	Number	Subject	Number
Registered vessels	15,094	Type of vessel:	
Length		Aux. powered sailing vessel	1,056
Under 16 feet	5,695	Cabin motorboat	2,562
16 to less than 26 feet	7,443	Open motorboat	5,693
26 to less than 40 feet	1,736	Runabout	2,421
40 to 65 feet	211	Sail only	632
Over 65 feet	9	Houseboat	3
Hull material		Motor vessel over 65 feet in length	13
Aluminum	494	Thrill craft	1,798
Fiberglass / plastic	13,087	Other	916
Rubber / fabric	677	Uses:	
Wood	661	Pleasure	13,863
Other	137	Commercial fishing	348
Steel	38	Charter fishing	14
Unknown	-	Commercial passenger	254
Propulsion		Other commercial	132
Inboard	6,762	Livery	131
Outboard	2,624	Dealer	13
Inboard / outboard	1,999	Manufacturer	4
Sail / inboard	599	Youth group - fee exempt	49
Sail / outboard	518	Government - fee exempt	258
Sail only	533	Other	28
Manual	111	Island where vessel is kept:	
Other	76	Hawaii	2,632
Unknown	-	Kauai	1,539
Waterjet	1,872	Lanai	87
Mooring location		Maui	1,753
Moored on water	3,131	Molokai	202
Moored on land	11,963	Oahu	8,881
Not disclosed	-	Not specified	-

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 2007**

[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>Year</b>	<b>Number of vessels</b>	<b>Year</b>	<b>Number of vessels</b>
1997	15,138	2003	15,587
1998	15,138	2004	17,130
1999	15,481	2005	15,302
2000	14,874	2006	15,015
2001	14,273	2007	15,094
2002	15,445		

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

**Table 18.50-- BOATING ACCIDENTS: 1991 TO 2007**

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
2003	30	1	1	10	38	82.3
2004	24	1/ 5	5	6	32	107.2
2005	22	4	4	7	24	35.9
2006	30	7	7	6	32	431.3
2007	18	4	4	4	22	1,190.0

NA Not available.

1/ Only two are termed U.S. Coast Guard reportable.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual); Hawaii State Department of Transportation, Harbors Division, Boating Branch, *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* (annual).

**Table 18.51-- VESSEL ARRIVALS, BY DRAFT: 2005 AND 2006**

[Excludes domestic fishing craft]

Harbor	2005			2006		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	979	768	211	984	667	317
Kawaihae	877	876	1	809	798	11
Kahului	1,420	1,255	165	1,426	1,143	283
Barbers Point	1,337	1,262	75	1,329	1,187	142
Honolulu	4,395	3,584	811	4,181	3,290	891
Nawiliwili	738	582	156	805	627	178
Kalaupapa 1/	5	5	-	3	3	-
Kaunakakai 2/	306	306	-	273	273	-
Port Allen	3/ 26	26	-	4/ 30	(NA)	(NA)

NA Not available.

1/ 14 feet and less.

2/ 17 feet and less.

3/ 16 feet and less.

4/ 24 feet and less.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2005, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels*; *Waterborne Commerce of the United States Calendar Year 2006, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed May 6, 2008.

**Table 18.52-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1985 TO 2007**

[Cargo tonnage in short tons, based on wharfage/tariff. Fiscal years ending June 30]

Year	Overseas vessels		Inter-island vessels	
	Number	Cargo tonnage	Number	Cargo tonnage
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)
2004 1/	1,133	6,671,523	2,418	1,892,904
2005 1/	1,121	7,013,833	2,580	2,212,657
2006 1/	1,061	7,141,689	2,972	2,335,518
2007 1/	1,027	7,474,649	3,157	2,504,483

NA Not available.

1/ As of fiscal year 2004, cargo tonnage does not include tonnage for bunkering, that is fuel for the use of the vessel to which the fuel is delivered.

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

**Table 18.53-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,  
FOR HONOLULU HARBOR: 2002 TO 2007**

[Fiscal years ending June 30. Includes cruise ships from out-of-state  
and cruise ships home-ported in Hawaii]

<b>Type of passenger</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
In	150,744	222,139	177,701	250,733	342,333	469,054
Out	165,828	219,038	175,382	253,104	363,165	487,063

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



**Table 18.54-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:  
1993 TO 2006**

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

Year	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
1993	1,469	655	2,216	9,357	10,595	1,283
1994	1,455	736	2,368	9,022	11,672	1,151
1995	1,354	873	2,586	8,233	11,545	1,130
1996	1,442	969	2,828	8,745	12,010	1,203
1997	1,489	980	2,895	1/ 10,513	1/ 10,353	1,091
1998	1,630	886	2,851	1/ 9,193	1/ 11,187	938
1999	1,701	1,090	3,513	1/ 9,490	1/ 11,475	1,348
2000	1,651	1,310	3,477	1/ 9,364	1/ 12,915	1,581
2001	1,680	1,378	3,695	1/ 9,226	1/ 13,415	1,478
2002	1,765	1,645	3,458	1/ 8,840	1/ 13,786	1,619
2003	1,850	1,801	3,778	1/ 9,892	1/ 13,873	1,721
2004	1,850	2,277	3,901	1/ 10,290	1/ 14,882	1,757
2005	1,996	2,217	4,132	1/ 11,596	1/ 15,141	1,977
2006	2,408	2,728	4,794	10,724	16,224	1,864

1/ Revised from previous *Data Book*.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2006, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed May 6, 2008.

**Table 18.55-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,  
FOR SPECIFIED HARBORS: 2006**

[In 1,000 short tons. Categories may not sum to totals because of rounding]

<b>Category</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
All freight traffic	2,408	2,728	4,794	10,724	16,224	1,864
Foreign						
Inbound	17	-	72	1/ 8,153	2/ 743	23
Outbound	5	-	-	308	405	-
Canadian						
Inbound	-	-	-	91	32	-
Outbound	-	-	-	5	-	-
Domestic						
Coastwise	2,386	2,728	4,722	2,121	15,045	1,841
Receipts	1,600	1,531	2,862	413	8,175	1,249
Shipments	786	1,197	1,859	1,708	6,869	592
Internal, inbound, upbound	-	-	-	47	-	-

1/ Includes 1,986 tons of foreign inbound in-transits.

2/ Includes 3,278 tons of foreign inbound in-transits.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2006, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed May 6, 2008.

**Table 18.56-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2006**

[In 1,000 short tons. Categories may not sum to totals due to rounding]

Port and commodity	All commo- dities	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise		Internal 1/
							Receipts	Shipments	
Hilo	2,408	17	5	-	-	2,386	1,600	786	-
Petroleum and petroleum products	470	6	1	-	-	463	463	-	-
Primary manufactured goods	1,384	-	-	-	-	1,384	750	634	-
Food and farm products	170	1	1	-	-	168	114	54	-
Manufactured equipment, machinery and products	309	3	-	-	-	306	230	76	-
Kawaihae	2,728	-	-	-	-	2,728	1,531	1,197	-
Petroleum and petroleum products	5	-	-	-	-	5	5	-	-
Primary manufactured goods	2,021	-	-	-	-	2,021	1,024	997	-
Food and farm products	252	-	-	-	-	252	144	107	-
Manufactured equipment, machinery and products	383	-	-	-	-	383	302	81	-
Kahului	4,794	72	-	-	-	4,722	2,862	1,859	-
Petroleum and petroleum products	538	5	-	-	-	533	533	-	-
Primary manufactured goods	2,969	3	-	-	-	2,966	1,563	1,402	-
Food and farm products	444	-	-	-	-	444	226	218	-
Manufactured equipment, machinery and products	671	2	-	-	-	669	460	209	-
Barbers Point	10,724	2/ 8,153	308	91	5	2,168	413	1,708	47
Petroleum and petroleum products	8,906	7,006	180	-	5	1,714	178	1,493	44
Primary manufactured goods	788	435	59	-	-	295	91	204	-
Honolulu	16,224	3/ 743	405	32	-	15,045	8,175	6,869	-
Petroleum and petroleum products	718	398	195	11	-	114	78	35	-
Primary manufactured goods	7,899	76	21	-	-	7,802	3,821	3,981	-
Food and farm products	2,328	64	47	21	-	2,195	1,297	898	-
Manufactured equipment, machinery and products	4,451	86	5	-	-	4,360	2,680	1,680	-

Continued on next page.

**Table 18.56-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2006 -- Con.**

Port and commodity	All commodities	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise		Internal 1/
							Receipts	Shipments	
Nawiliwili	1,864	23	-	-	-	1,841	1,249	592	-
Petroleum and petroleum products	92	2	-	-	-	90	90	-	-
Primary manufactured goods	1,190	-	-	-	-	1,190	744	445	-
Food and farm products	138	-	-	-	-	138	102	36	-
Manufactured equipment, machinery and products	372	-	-	-	-	372	273	99	-

1/ Includes internal, inbound and upbound.

2/ Includes 1,986 tons of foreign inbound in-transits.

3/ Includes 3,278 tons of foreign inbound in-transits.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2006, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed May 6, 2008.

**Table 18.57-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED CODES: 2006**

[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 Economic Censuses prior to 1997]

NAICS code	Kind of business	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
	Total	957	29,830	1,068,020	35,803
481	Air transportation	78	10,126	383,091	37,834
4811	Scheduled air transportation	59	9,871	370,212	37,507
483	Water transportation	21	5,014	176,517	35,205
484	Truck transportation	188	3,205	119,987	37,436
4841	General freight trucking	85	1,773	67,445	38,035
4842	Specialized freight trucking	103	1,432	52,543	36,694
485	Transit & ground passenger transp.	117	2,138	40,088	18,750
4853	Taxi & limousine service	55	379	7,926	20,935
48531	Taxi service	24	148	2,683	18,078
48532	Limousine service	31	230	5,243	22,777
4854	School & employee bus transp.	20	1,003	16,847	16,805
4859	Other ground passenger transp.	41	757	15,315	20,234
48599	Other ground passenger transp.	41	757	15,315	20,234
485991	Special needs transportation	14	146	3,500	23,975
487	Scenic & sightseeing transportation	209	3,500	97,520	27,862
4871	Scenic & sightseeing transp., land	38	1,277	31,726	24,846
4872	Scenic & sightseeing transp., water	147	1,710	44,347	25,929
488	Support activities for transportation	228	3,754	174,722	46,548
4881	Support activities for air transp.	61	1,548	52,448	33,887
4883	Support activities for water transp.	34	1,210	92,917	76,797
48841	Motor vehicle towing	37	164	3,889	23,665
4885	Freight transportation arrangement	80	528	20,321	38,510
492	Couriers & messengers	63	1,329	48,955	36,824
493	Warehousing & storage	47	741	26,243	35,403
4931	Warehousing & storage	47	741	26,243	35,403
49311	General warehousing & storage	37	619	21,060	34,008

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2006*, table 10 <<http://www.bls.gov/cew/cewbultn06.htm>> accessed April 8, 2008.

**Table 18.58-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND  
DESTINATION: 2002**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	13,480	23,659	(1/)
Destination			
Hawaii	12,798	22,440	957
California	340	(1/)	(1/)
Oregon	10	(1/)	(1/)
Washington	49	(1/)	(1/)
Mode of transportation			
Single modes			
Truck	7,484	11,494	127
Water	(1/)	547	108
Air (includes truck and air)	362	13	12
Pipeline 2/	1,437	6,919	(1/)
Multiple modes			
Parcel, U.S. Postal Service or courier	853	25	13
Truck and water	946	2,783	(1/)
Other multiple modes	325	1,452	124
Other and unknown modes	569	429	18
Distance shipped (miles)			
Less than 50	9,856	19,372	185
50 to 99	1,032	844	134
100 to 249	1,882	1,272	234
250 to 499	25	952	405
500 to 1,999	-	-	-
2,000 or more	684	(1/)	(1/)
Commodity 3/			
Meat, fish, seafood, and their preparations	228	50	(1/)
Other prepared foodstuffs and fats and oils	1,094	1,046	581
Gasoline and aviation turbine fuel	1,899	6,294	405
Fuel oils	1,203	5,671	172
Pharmaceutical products	763	(1/)	-
Printed products	201	42	(1/)
Textiles, leather, and articles of textiles or leather	752	27	(1/)
Electronic and other electrical equipment and components and office equipment	692	40	6

1/ Estimates do not meet publication standards because of sampling variability or poor response quality.

2/ Estimates exclude shipments of crude petroleum.

3/ Based on the Standard Classification of Transported Goods (SCTG) coding system.

Source: U.S. Census Bureau, *2002 Economic Census, Transportation, 2002 Commodity Flow Survey, Hawaii*, EC02TCF-HI (December 2004), tables 1a, 3, 6 and 7

<<http://www.census.gov/svsd/www/02statepdf.html>> accessed July 19, 2005.