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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: 2011*, Section 23.

**Table 18.01-- HIGHWAY DISTANCES: 2010**

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	Lihue-Haena	38.2
Lahaina-Wailea	32.4	Lihue-Wailua	5.9
Lahaina-Napili	8.9	Lihue-Lihue Airport	2.0
Lahaina-Kaanapali	3.7	Lihue-Poipu	11.9
		Lihue-Mana	32.9
LANAI		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: 2008 TO 2010**

[As of December 31. Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2008				
State total	4,362.68	88.53	4,101.74	172.41
Hawaii	1,478.44	-	1,419.14	59.30
Maui	635.26	-	578.56	56.70
Lanai	47.48	-	33.48	14.00
Molokai	135.77	-	123.77	12.00
Oahu	1,649.21	88.53	1,552.76	7.92
Kauai	416.52	-	394.03	22.49
Niihau	-	-	-	-
2009				
State total	1/ 4,370.49	88.55	1/ 4,109.53	172.41
Hawaii	1,482.44	-	1,423.14	59.30
Maui	635.94	-	579.24	56.70
Lanai	47.80	-	33.80	14.00
Molokai	136.15	-	124.15	12.00
Oahu	1/ 1,652.61	88.55	1/ 1,556.14	7.92
Kauai	415.54	-	393.05	22.49
Niihau	-	-	-	-
2010				
State total	4,394.51	88.55	4,133.55	172.41
Hawaii	1,481.06	-	1,421.76	59.30
Maui	636.18	-	579.48	56.70
Lanai	47.80	-	33.80	14.00
Molokai	136.15	-	124.15	12.00
Oahu	1,654.23	88.55	1,557.76	7.92
Kauai	439.08	-	416.59	22.49
Niihau	-	-	-	-

1/ Revised from previous *Data Book*.

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

**Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2010**

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: 2005 TO 2010**

Area	Number of bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		Number	Percent	Number	Percent	Number	Percent
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
2008							
U.S.	601,411	151,391	25.2	71,469	11.9	79,922	13.3
Hawaii	1,120	487	43.5	136	12.1	351	31.3
2009							
U.S.	603,245	149,647	24.8	71,179	11.8	78,468	13.0
Hawaii	1,133	493	43.5	144	12.7	349	30.8
2010							
U.S.	604,474	146,633	24.3	69,223	11.5	77,410	12.8
Hawaii	1,137	507	44.6	141	12.4	366	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. Department of Transportation, Federal Highway Administration, Structures, Deficient Bridges by State and Highway System <<http://www.fhwa.dot.gov/bridge/deficient.cfm>> accessed April 11, 2011; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2010**

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:  
2003 TO 2010**

[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
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
2008	1,160,643	1,127,567	903,518	57	2,213
2009	1,149,928	1,117,790	895,770	63	2,143
2010	1,151,681	1,120,080	898,452	64	2,103
		<b>Motor vehicles -- continued</b>			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motorcycles, motor-scooters 2/	Trailers and semi-trailers
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
2008	191,459	799	1,074	28,447	33,076
2009	188,860	813	1,262	28,879	32,138
2010	187,733	861	1,431	29,436	31,601

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 2010**

[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
2008	1,127,567	719,640	175,166	74,344	158,417
2009	1,117,790	718,253	172,209	73,847	153,481
2010	1,120,080	720,267	171,974	73,563	154,276

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

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,  
BY COUNTY: 2010**

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

Type of vehicle	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All vehicles	1,151,681	734,416	180,655	77,389	159,221
Motor vehicles	1,120,080	720,267	171,974	73,563	154,276
Passenger vehicles 1/	898,452	597,333	130,102	52,072	118,945
Ambulances	64	41	5	3	15
Buses	2,103	1,636	273	15	179
Trucks 1/	187,733	99,982	36,932	19,629	31,190
Truck tractors	861	559	175	57	70
Truck cranes	1,431	1,227	118	12	74
Motorcycles, motorscooters 2/	29,436	19,489	4,369	1,775	3,803
Trailers and semi-trailers	31,601	14,149	8,681	3,826	4,945

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: 2010**

[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	1,090,644	700,778	167,605	71,788	150,473
Taxable vehicles	1,007,109	621,839	165,563	70,895	148,812
Exempt vehicles	83,535	78,939	2,042	893	1,661
Federal government	423	414	7	-	2
State government	6,239	6,238	-	-	1
County government	7,472	4,600	1,015	567	1,290
Fire department	303	70	131	56	46
Police department	1,719	1,309	405	-	5
Consulates	59	59	-	-	-
Disabled veterans	214	49	150	14	1
Military non-resident	61,936	61,666	50	144	76
Farm	114	37	34	3	40
Horseless carriage	67	52	7	8	-
Electric vehicles	271	152	41	12	66
National Guard	4,718	4,293	202	89	134

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

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,  
BY COUNTY: 2009**

[For the American Community Survey 1-Year Estimates, data were released for geographic areas with populations of 65,000 or more. At this time Kauai and Kalawao counties do not meet these thresholds. Data are based on a sample and are subject to sampling variability]

<b>Vehicles available</b>	<b>State total</b>	<b>Hawaii</b>	<b>Honolulu</b>	<b>Maui</b>
Occupied units	446,136	65,798	309,896	48,326
None	39,356	3,326	32,309	2,343
1	150,073	21,611	106,999	15,978
2	165,464	25,289	111,483	19,311
3 or more	91,243	15,572	59,105	10,694

Source: U.S. Census Bureau, 2009 American Community Survey 1-Year Estimates, Selected Housing Characteristics: 2009.

**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 2010**

[Excludes U-drive/Fleet sales]

Year	Number	Year	Number	Year	Number
1989	57,456	1997	42,487	2005	70,268
1990	54,544	1998	40,673	2006	67,224
1991	47,783	1999	45,054	2007	57,526
1992	44,865	2000	51,500	2008	42,804
1993	45,249	2001	51,388	2009	33,639
1994	44,175	2002	53,314	2010	34,730
1995	41,083	2003	62,712		
1996	41,480	2004	65,882		

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2011 First Quarter*.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY NAMEPLATE: 2008 TO 2010**

[Excludes U-drive/Fleet sales]

<b>Nameplate</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Total	42,804	33,639	34,019
Toyota/Scion	12,201	9,280	9,436
Honda	6,115	5,229	4,874
Nissan	4,956	3,757	3,706
Ford	3,135	2,430	2,531
Chevrolet	2,028	1,427	1,241
Mazda	1,332	1,025	1,230
Lexus	1,340	1,175	1,202
Hyundai	748	763	1,125
BMW	1,220	1,014	1,069
Mercedes	979	811	975
Kia	734	548	832
Dodge	1,347	1,192	794
Acura	604	432	571
Volkswagen	604	589	569
Subaru	310	448	509
Jeep	641	513	477
MINI	465	436	477
GMC	577	285	421
Infiniti	364	260	320
Audi	224	203	262
Suzuki	233	172	190
Cadillac	235	80	184
Volvo	289	257	177
Mitsubishi	178	165	124
Chrysler	330	220	123
Porsche	121	112	115
Buick	81	51	89
Land Rover	89	70	75
Jaguar	124	63	68
Lincoln	160	76	57
Saab	78	19	25
All others	962	537	171

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2009 First Quarter, 2010 Third Quarter and 2011 First Quarter.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2008 TO 2010**

[Excludes U-drive/Fleet sales]

<b>Type and place of manufacture</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Total	42,804	33,639	34,019
Car	20,180	16,441	16,812
Light truck	22,624	17,198	17,207
Chrysler, Ford, General Motors	9,320	6,712	5,980
Japanese	27,742	21,964	22,162
European	4,260	3,652	3,920
Korean	1,482	1,311	1,957

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2009 First Quarter, 2010 Second Quarter and 2011 First Quarter.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:  
1991 TO 2010**

[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
2008	895,941	607,747	127,456	52,479	108,259
2009	905,704	614,783	128,692	52,925	109,304
2010	911,417	618,975	129,041	52,981	110,420

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

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE  
AND SEX: 2009 AND 2010**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2009	2010	2009	2010	2009	2010
Total	905,704	911,417	474,390	476,884	431,314	434,533
15 to 19	28,456	27,210	15,425	14,838	13,031	12,372
20 to 24	72,423	72,818	38,499	38,634	33,924	34,184
25 to 29	85,308	84,835	44,542	44,237	40,766	40,598
30 to 34	80,470	81,735	41,615	42,235	38,855	39,500
35 to 39	81,448	78,536	42,064	40,591	39,384	37,945
40 to 44	83,476	83,773	42,918	43,294	40,558	40,479
45 to 49	89,790	88,497	46,757	45,891	43,033	42,606
50 to 54	89,914	89,497	46,316	46,107	43,598	43,390
55 to 59	85,480	86,475	44,643	45,011	40,837	41,464
60 to 64	74,086	77,234	39,429	40,897	34,657	36,337
65 to 69	51,195	54,039	27,550	29,054	23,645	24,985
70 to 74	33,515	35,135	17,948	18,721	15,567	16,414
75 to 79	23,901	24,174	12,373	12,552	11,528	11,622
80 to 84	16,755	17,204	8,653	8,830	8,102	8,374
85 to 89	7,802	8,271	4,584	4,731	3,218	3,540
90 to 94	1,546	1,822	966	1,149	580	673
95 to 99	139	162	108	112	31	50

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

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1990 TO 2010, AND BY COUNTY, 2009 AND 2010**

Year and county	Highway fuel consumption 1/		Annual 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	9,045
2006	531,505	471	10,196.3	9,044
2007	541,956	478	10,259.9	9,043
2008	540,910	480	10,189.1	9,036
2009	545,413	488	10,095.2	9,031
2010	500,987	447	10,111.0	9,027
COUNTY: 2009				
Honolulu	308,064	430	6,276.1	3/ 8,738
Hawaii	118,362	686	1,676.3	3/ 9,734
Kauai	51,576	685	773.6	3/ 10,476
Maui	67,412	441	1,369.2	3/ 8,921
COUNTY: 2010				
Honolulu	295,193	410	6,291.4	8,735
Hawaii	99,860	581	1,673.1	9,729
Kauai	44,228	601	771.5	10,487
Maui	61,707	400	1,375.0	8,913

Continued on next page.

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1990 TO 2010, AND BY COUNTY, 2009 AND 2010 -- Con.**

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.

3/ Revised from previous *Data Book*.

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

**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2008 TO 2010**

Site	Milepoint	2008	2009	2010
Oahu				
H-1 west of Kaonohi St overpass	11.74	1/ 217,000	2/ 3/ 233,600	2/ 232,000
H-1 at Halawa Stream bridge	13.60	1/ 138,150	2/ 105,200	2/ 107,700
H-1 west of King St tunnel	18.74	1/ 57,000	2/ 51,100	2/ 57,300
H-1 at Kalihi interchange	19.57	1/ 156,800	2/ 3/ 160,000	1/ 157,300
H-1 at Kapalama drainage canal bridge	20.23	1/ 128,100	2/ 3/ 108,200	2/ 114,400
H-1 at McCully St overpass	23.55	1/ 124,773	2/ 138,200	2/ 133,300
H-1 at Manoa-Palolo drainage canal	24.60	1/ 107,300	2/ 3/ 94,500	2/ 107,000
H-2 south of Pineapple Rd overpass	4.03	1/ 86,447	2/ 86,400	2/ 92,300
H-3 west of North Halawa Valley bridge	1.28	1/ 47,316	2/ 3/ 48,800	2/ 46,800
H-3 west of Kamehaha Hwy interchange	10.37	1/ 24,900	2/ 3/ 24,900	2/ 26,200
Moanalua Freeway west of Kahuapaani Steet overpass	0.21	1/ 29,800	2/ 44,500	2/ 44,600
Moanalua Freeway west of Moanalua Street bridge	3.24	1/ 113,995	2/ 101,300	2/ 98,300
Pali Hwy at tunnels	5.64	1/ 47,462	2/ 3/ 47,400	1/ 42,300
Likelike Hwy north of Valley View Drive	2.96	1/ 27,814	2/ 26,700	2/ 29,000
Sand Island Parkway north of Pascule bridge	1.41	1/ 17,234	2/ 3/ 15,200	2/ 12,600
Kalaniana'ole Hwy east of Ainakoa Ave	18.32	1/ 75,500	2/ 3/ 74,200	2/ 72,200
Kamehameha Hwy 1.6 miles northeast of Johnson Rd	30.59	1/ 10,900	2/ 13,200	2/ 11,300
Nimitz Hwy east of Sand Island Access Rd	4.02	1/ 72,447	2/ 3/ 57,200	2/ 58,800
Farrington Hwy at Makaha bridge #2	12.48	1/ 19,700	2/ 20,300	2/ 19,200
Kalaeloa Blvd south of H-1 on-ramp	0.15	1/ 17,129	2/ 22,200	2/ 31,100
Kamehameha Hwy at Kalauao bridge	20.70	1/ 53,800	2/ 3/ 45,000	2/ 52,500
Hawaii				
Volcano Rd at Glenwood Park	19.67	1/ 6,000	2/ 6,300	2/ 6,000

Continued on next page.

**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2008 TO 2010 -- Con.**

Site	Milepoint	2008	2009	2010
Hawaii con.				
Mamalahoa Hwy at state Hwys' south Kona baseyard	104.14	1/ 7,200	2/ 6,400	2/ 6,300
Queen Kaahumanu Hwy between Hualalai Rd & Nani-Kailua Dr	120.77	1/ 24,727	2/ 21,700	2/ 22,100
Hawaii Belt Rd north of Kalaoa bridge	8.01	1/ 10,700	2/ 14,400	2/ 10,500
Queen Kaahumanu Hwy between Kiholo Bay lookout & Kaupulehu Dr	83.60	1/ 14,244	2/ 11,800	2/ 11,800
Queen Kaahumanu Hwy north of OTEC access Rd	93.74	1/ 21,700	2/ 23,700	2/ 21,600
Keaau-Pahoa Rd south of waste station Rd	2.51	1/ 27,100	2/ 3/ 19,326	1/ 27,300
Maui				
Honoapiilani Hwy south of Kaanapali Parkway	23.58	1/ 39,100	2/ 43,600	2/ 37,900
Honoapiilani Hwy north of Kahana Kai bridge	28.37	1/ 14,703	2/ 11,600	2/ 12,700
Hana Hwy near Baldwin Park	6.28	1/ 17,088	2/ 19,000	2/ 17,400
Kauai				
Kuhio Hwy northwest of Kolo Rd and Kalamania Rd	23.51	1/ 13,684	2/ 3/ 12,100	2/ 13,000

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

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

3/ Revised from previous *Data Book* .

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

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU  
URBANIZED AREA: 2006 TO 2009**

Subject	2006	2007	2008	2009
Population (1,000)	705	705	705	709
Peak travelers (1,000)	386	388	390	394
Daily vehicle-miles of travel (1,000)				
Freeway	6,080	6,275	6,150	5,873
Arterial streets	3,200	3,170	3,095	2,956
Cost components				
Value of time (\$/hour)	15.06	15.47	16.10	16.01
Commercial cost (\$/hour)	98.77	102.12	106.06	105.67
Fuel cost (\$/gallon)	3.09	3.41	3.74	3.86
Congested system (percent of lane-miles)	50	51	48	48
Annual excess fuel consumed 1/				
Total (1,000 gallons)	2/ 10,511	2/ 11,440	10,827	12,018
Per peak auto commuter (gallons)	2/ 23	2/ 25	24	26
Annual delay (person-hours) 3/				
Total (1,000)	2/ 13,983	2/ 15,001	14,061	14,394
Per peak auto commuter 4/	2/ 32	2/ 34	31	31
Congestion cost 5/				
Total (\$ million)	2/ 287	2/ 319	315	326
Per peak auto commuter (\$)	2/ 891	2/ 992	699	709

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

2/ Revised from previous *Data Book*.

3/ The overall size of the congestion problem. Measured by the total travel time above that needed to complete a trip at free-flow speeds.

4/ A yearly sum of all the per-trip delays for those persons who travel in the peak period (6 to 10 a.m. and 3 to 7 p.m.). This measure illustrates the effect of the per-mile congestion as well as the length of each trip.

5/ Value of travel delay for 2009 (estimated at \$16.01 per hour of person travel and \$105.67 per hour of truck time) and excess fuel consumption (estimated using state average cost per gallon).

Source: Texas Transportation Institute, *2010 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 June 2, 2011.

**Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1995 TO 2009, AND BY COUNTY, 2008 AND 2009**

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal 2/	Injured only	Killed 2/
1995	16,583	118	12,874	127
1996	13,299	132	11,652	145
1997	12,445	117	11,190	131
1998	11,546	113	10,304	120
1999	10,632	90	9,604	98
2000	11,112	116	9,893	133
2001	10,872	133	8,647	141
2002	10,659	116	8,947	120
2003	11,289	117	9,088	135
2004	11,002	128	8,827	142
2005	10,592	129	8,574	140
2006	10,260	144	8,151	161
2007	9,546	125	7,487	138
2008	3/ 8,258	102	3/ 6,430	107
2009	4/ 5,508	99	4/ 4,459	109
COUNTY: 2008				
Honolulu	3/ 5,064	41	3/ 3,946	43
Hawaii	3/ 1,716	29	3/ 1,074	29
Kauai	567	9	513	11
Maui	3/ 911	23	3/ 897	24
COUNTY: 2009				
Honolulu	4/ 4,522	50	4/ 3,649	53
Hawaii	4/ 373	24	4/ 206	27
Kauai	4/ 48	7	4/ 49	8
Maui	4/ 565	18	4/ 555	21

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/ Effective 2005, based on Fatality Analysis Reporting System (FARS) data published by the National Highway Traffic Safety Administration.

3/ Revised from previous *Data Book*.

4/ Preliminary, as of May 1, 2011.

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: 2007 TO 2009**

[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
2007, State total	171	109	64	62	36	19	11	43	25
Hawaii	44	19	43	25	57	8	19	17	38
Honolulu	79	58	73	21	27	4	5	17	22
Kauai	14	8	54	7	46	5	36	2	11
Maui	34	24	71	10	29	2	6	8	23
2008, State total	139	1/ 92	1/ 66	1/ 47	1/ 34	1/ 8	6	1/ 39	28
Hawaii	38	1/ 21	54	1/ 17	46	4	11	13	35
Honolulu	54	1/ 43	1/ 80	1/ 11	1/ 20	1/ 1	1/ 2	10	1/ 18
Kauai	16	10	63	6	38	-	-	6	38
Maui	31	18	57	13	43	3	1/ 10	10	1/ 33
2009, State total	139	83	60	56	40	7	5	49	35
Hawaii	36	19	54	17	46	-	1	17	46
Honolulu	70	47	67	23	33	7	10	17	24
Kauai	10	4	40	6	60	-	-	6	60
Maui	23	13	57	10	43	-	1	10	41

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 Encyclopedia: Reports, FARS Encyclopedia: States - Alcohol <<http://www-fars.nhtsa.dot.gov/States/StatesAlcohol.aspx>> accessed April 11, 2011.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:  
2008 TO 2010**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2008	2009	2010	2008	2009	2010
Hawaii	200	191	197	4,819	4,769	6,059
Maui	3/ 278	3/ 278	3/ 161	3,614	3,416	4,362
Lanai	(NA)	(NA)	(NA)	23	21	33
Molokai	(NA)	(NA)	(NA)	17	19	15
Oahu	1,494	1,506	1,609	281,527	308,246	339,005
Kauai 4/	-	-	-	614	2,288	2,928

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 TO 2007**

[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
2007	102	25	40	11	26
Revenue (\$1,000)					
1997	347,624	45,172	154,679	(NA)	104,759
2002	478,241	70,509	208,435	61,100	138,197
2007	(D)	103,774	(D)	82,207	(D)

NA Not available.

D Withheld to avoid disclosing data for individual companies.

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; *2007 Economic Census, Real Estate and Rental and Leasing: Geographic Area Series: Hawaii* <<http://www.census.gov/econ/census07/>> accessed June 1, 2010.

**Table 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTY:  
2008 TO 2010**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
2008					
State total	1,552	6,599	159,272	6,271	31,860
Hawaii	253	1,258	31,450	1,422	5,688
Maui	213	1,157	27,768	936	3,744
Honolulu	1,003	3,822	91,728	3,388	20,328
Kauai	83	362	8,326	525	2,100
2009					
State total	1,538	6,257	146,306	6,030	30,929
Hawaii	265	1,378	30,710	1,351	5,290
Maui	209	972	23,653	923	3,633
Honolulu	987	3,563	84,366	3,189	19,832
Kauai	77	344	7,577	567	2,174
2010					
State total	1,252	4,097	95,707	6,018	30,734
Hawaii	212	1,047	23,338	1,289	5,052
Maui	172	741	18,029	924	3,690
Honolulu	802	2,086	49,367	3,223	19,762
Kauai	66	223	4,973	582	2,230

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 2010**

[As of June 30. Service provided by City and County of Honolulu bus system]

Year	Number of buses	Bus mileage 1/	Total passengers 2/	Revenues (dollars)
1993	470	18,120,044	3/ 76,136,390	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 4/	536	19,380,256	61,297,980	33,652,238
2005	3/ 496	21,558,149	67,406,827	39,925,419
2006	3/ 499	21,166,957	70,384,355	41,531,437
2007	3/ 524	3/ 21,075,502	71,749,376	41,742,352
2008	3/ 528	21,536,584	69,759,954	41,984,132
2009	3/ 530	21,502,920	77,329,706	42,454,923
2010	530	21,324,615	73,158,633	45,874,670

1/ Estimated number of vehicle miles.

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

3/ Revised from previous year *Data Book*.

4/ 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 2011**

[As of July 1, 2011. 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	2.00	1.00	40.00	20.00
July 1, 2009 4/	2.25	1.00	50.00	25.00
July 1, 2010 5/	2.50	1.25	60.00	30.00

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: \$550.00, youth: \$275.00.

5/ Other fares. Annual pass, adult: \$660.00, youth: \$330.00.

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 June 6, 2011.

**Table 18.27-- AIRPORTS AND HELIPORTS, BY CONTROL,  
BY ISLAND: 2010**

[As of December 31]

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

1/ Excludes private airports.

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

3/ Excludes military and private heliports.

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

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

**Table 18.28-- HONOLULU INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 2000 TO 2009**

[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
2007	249,607	10,237,304	25
2008	228,420	9,450,696	25
2009	219,158	8,615,603	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://aspm.faa.gov/main/taf.asp>> accessed June 2, 2011.

**Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2008 TO 2010**

[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>
2008					
Honolulu International	286,593	154,125	70,279	45,562	16,627
Kahului	128,022	39,240	68,981	17,005	2,796
Kona International	127,796	27,331	19,518	70,064	10,883
Lihue	113,371	21,364	57,303	29,681	5,023
Hilo International	75,598	14,577	43,502	13,466	4,053
Molokai	31,200	-	23,405	6,601	1,194
Kalaeloa	132,327	-	679	105,865	25,783
2009					
Honolulu International	274,434	154,362	62,873	41,737	15,462
Kahului	118,800	40,802	58,664	15,306	4,028
Kona International	109,581	28,355	16,286	51,669	13,271
Lihue	99,171	21,015	51,207	20,459	6,490
Hilo International	67,851	15,689	36,953	9,090	6,119
Molokai	24,295	-	17,966	5,629	700
Kalaeloa	128,732	5	206	104,219	24,302
2010					
Honolulu International	263,440	144,247	58,013	47,431	13,749
Kahului	118,896	39,400	59,387	17,287	2,822
Kona International	124,889	24,691	15,815	72,024	12,359
Lihue	106,815	22,779	46,619	33,207	4,210
Hilo International	78,663	14,033	39,219	15,394	10,017
Molokai	26,491	-	19,679	6,065	747
Kalaeloa	112,830	-	85	90,777	21,968

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

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:  
1991 TO 2010**

[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
2008	286,593	75,598	127,796	128,022	113,371	31,200
2009	274,434	67,851	109,581	118,800	99,171	24,295
2010	263,440	78,663	124,889	118,896	106,815	26,491

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 18.31-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS  
SERVING HAWAII: 1999 TO 2010**

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

<b>Service</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
All carriers	43	42	43	44	43	43
Transpacific only	29	29	29	30	30	32
Domestic	12	13	13	13	14	13
Foreign	17	16	16	17	16	19
Transpacific and interisland	4	2	2	3	2	2
Interisland only	10	11	12	11	11	9
Passenger carriers	6	4	4	4	4	4
Cargo and mail only	4	7	8	7	7	5
<b>Service</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
All carriers	43	42	39	37	39	33
Transpacific only	32	32	30	28	30	24
Domestic	13	14	14	13	12	11
Foreign	19	18	16	15	18	13
Transpacific and interisland	2	2	2	2	1	2
Interisland only	9	8	7	7	8	7
Passenger carriers	4	4	3	3	3	4
Cargo and mail only	5	4	4	4	5	3

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 18.32-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR  
ARRIVING FLIGHTS: 2008 TO 2010**

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

<b>Airport</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
State of Hawaii	9,162,013	8,676,773	9,190,240
Honolulu International	6,584,150	6,213,344	6,389,166
Kahului	1,591,863	1,441,894	1,680,120
Kona International	538,074	593,864	668,661
Hilo International	10,850	-	-
Lihu'e	437,076	427,671	452,293
Domestic	6,670,404	6,241,390	6,668,392
International	2,491,609	2,435,383	2,521,848

Source: Hawaii Tourism Authority, Tourism Research, *Final Monthly Visitors Statistics 2008*;  
Hawaii Tourism Authority, Tourism Research, *Final Monthly Visitors Statistics 2009* and  
Hawaii Tourism Authority, Tourism Research, *Monthly Visitor Statistics, December 2010*  
<[http://www.hawaii-tourism-authority.org/index.cfm?page=tourism\\_research&level1=tourism\\_research](http://www.hawaii-tourism-authority.org/index.cfm?page=tourism_research&level1=tourism_research)>  
accessed April 11, 2011.

**Table 18.33-- CIVIL FLYING: 1990 TO 1993 AND 1996**

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

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 18.34-- SELECTED STATISTICS FOR HAWAIIAN  
AIRLINES: 2006 TO 2009**

Subject	2006	2007	2008	2009
Operating aircraft (year-end)	29	29	32	33
Employees (full-time equivalents)	3,064	3,105	3,190	3,600
Aircraft departures (Thousands) 1/	53	57	65	74
Passengers enplaned (millions) 2/	6.2	7.1	7.8	8.3
Revenue passenger miles (billions) 2/	6.8	7.9	7.8	8.1
Cargo revenue ton miles (millions) 1/	73.0	70.0	76.7	75.0

1/ All services.

2/ Scheduled services only.

Source: Air Transport Association, Annual Reports of the U.S. Airline Industry, *ATA Economic Report* (annual) <<http://www.airlines.org/Economics/ReviewOutlook/Pages/AnnualEconomicreportsoftheUSAirlineIndustry.aspx>> accessed April 12, 2011.

**Table 18.35-- RANK OF HAWAII LOCATIONS AMONG THE TOP DOMESTIC AIRLINE MARKETS: 2007 TO 2009**

[Top 40 U.S. City Pairs]

Rank	Origin or destination	Daily Passengers (Average, Each Way)	Average One-Way Ticket Price 1/
2007			
7	Honolulu - Kahului	2,660	35.38
22	Honolulu - Lihue	1,847	35.70
26	Honolulu - Kona	1,771	37.40
29	Honolulu - Hilo	1,694	38.20
34	Honolulu - Los Angeles	1,615	195.14
2008			
11	Honolulu - Kahului	2,091	53.46
30	Honolulu - Lihue	1,497	54.57
32	Honolulu - Kona	1,463	61.24
36	Honolulu - Los Angeles	1,449	231.83
2009			
30	Honolulu - Los Angeles	1,446	214.69

1/ Includes government-imposed taxes and fees.

Source: Air Transport Association, Annual Reports of the U.S. Airline Industry, *ATA Economic Report* (annual) <<http://www.airlines.org/Economics/ReviewOutlook/Pages/AnnualEconomicreportsfortheUSAirlineIndustry.aspx>> accessed April 12, 2011.

**Table 18.36-- OVERSEAS AND INTER-ISLAND AIR PASSENGER  
MOVEMENTS: 1988 TO 2010**

[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	8,273,740
2007	8,920,759	8,910,032	100,783	9,188,139
2008	8,015,424	8,027,546	13,092	7,707,047
2009	7,707,730	7,725,872	9,004	7,420,174
2010	8,352,599	8,358,377	3,275	6,882,052

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

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

**Table 18.37-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2010**

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
<b>OVERSEAS</b>						
Total	8,358,377	8,352,599	126,785	197,158	27,322	79,336
Honolulu	6,021,167	5,938,134	118,660	184,754	26,235	71,869
Kahului	1,448,210	1,449,880	1,882	7,736	707	4,525
Kona 2/	503,634	567,372	6,234	4,199	380	2,942
Lihue	385,366	397,213	10	469	-	-
Hilo	-	-	-	-	-	-
<b>INTERISLAND</b>						
Total	6,882,052	6,882,052	66,333	66,333	17,973	17,973
Honolulu	3,210,040	3,270,458	41,326	24,621	14,376	3,549
Kahului	1,220,115	1,228,489	4,544	11,320	1,650	7,651
Kona 2/	823,730	754,757	2,572	6,684	906	4,595
Lihue	821,724	812,509	3,871	10,036	-	-
Hilo	635,699	643,643	13,504	11,741	1,041	2,177
Waimea-Kohala	26	28	-	-	-	-
Hana	541	123	27	-	-	-
Kapalua	40,236	40,391	179	694	-	-
Molokai	83,684	85,549	205	611	-	-
Kalaupapa	903	892	24	135	-	-
Lanai	45,354	45,213	81	491	-	-

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

2/ Formerly Keahole Airport.

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

**Table 18.38-- AIR CARGO AND AIRMAIL: 1989 TO 2010**

[In thousands of pounds]

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
2008	238,648	401,225	55,186	116,443	126,376	35,606
2009	222,112	373,800	51,720	111,637	120,804	32,354
2010	253,571	394,315	54,643	158,671	132,666	35,945

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

**Table 18.39-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,  
BY DESTINATION: JULY 2010**

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

Destination	Flights during week	Destination	Flights during week
Transpacific	841	Canada	12
		Vancouver	12
U.S.	685	Japan	94
West	601	Nagoya	7
Anchorage	3	Osaka	14
Denver	12	Tokyo	73
Las Vegas	18	Other Asia	10
Los Angeles	244	Seoul	10
Oakland	21	Oceania	13
Orange County	14	Auckland	3
Phoenix	50	Sydney	10
Portland	28	Other	26
Sacramento	14	Apia	1
Salt Lake City	7	Christmas Island	1
San Diego	18	Guam	7
San Francisco	91	Majuro	4
San Jose	14	Manila	7
Seattle	66	Nadi	2
East	84	Pago Pago	3
Atlanta	7	Papeete	1
Charlotte	7		
Chicago	21		
Dallas / Fort Worth	21		
Detroit	3		
Houston	14		
Minneapolis	4		
New York	7		

Source: Official Airline Guide, records; calculations by the Hawaii Tourism Authority, Tourism Research.

**Table 18.40-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY  
HAWAIIAN AIRLINES: 2006 TO 2010**

[As of July 1]

<b>Category</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Regular fare	167.80	182.90	170.00	218.10	191.20
Lowest capacity-controlled fare	44.80	44.90	1/ 70.00	54.10	74.20

1/ Normal fare. Short-term special fares were also offered.

Source: Hawaiian Airlines, records.

**Table 18.41-- ANNUAL AVERAGE ROUND TRIP AIR FARES BETWEEN HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2010**

[Annual average, direct round-trip airfare in dollars, includes all airlines, includes all classes, excludes non-revenue passengers]

<b>Year</b>	<b>Los Angeles</b>	<b>San Francisco</b>	<b>Las Vegas</b>	<b>Portland, Oregon</b>	<b>Seattle</b>	<b>Dallas/Fort Worth</b>	<b>Chicago</b>
2002	277	292	276	214	308	259	284
2003	280	280	189	262	312	261	234
2004	285	293	202	256	284	241	261
2005	300	301	254	249	290	267	333
2006	288	291	270	283	326	290	363
2007	301	298	275	279	300	280	366
2008	347	355	321	304	324	352	427
2009	274	294	299	242	254	323	417
2010	268	274	261	223	246	349	377

Source: Sabre Airline Solutions, *Sabre, Airport Data Intelligence, Segment Traffic Statistics*.

**Table 18.42-- STATE COMMERCIAL HARBORS: 2010**

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	10	693
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:							
Kaumalapau	60	20-60	(NA)	(NA)	400	-	100
Oahu:							
Honolulu Main	} 45	40	{ 3,300	1,520	} 29,872	1,208	9,030
Kapalama			{ 3,400	1,000			
Kalaehoa							
Barbers Point	42	38	2,100	1,800	2,990	36	1,838
Kauai:							
Nawiliwili	40	35	1,950	1,540	2,216	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 18.43-- HARBOR DEPTHS: 2009**

[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 2009, 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 June 3, 2011.

**Table 18.44-- SMALL CRAFT MOORING FACILITIES,  
BY ISLAND: DECEMBER 31, 2010**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,838	1,672	214	182	1/ 539+	444
Hawaii	378	345	30	21	1/ 100+	94
Maui	188	187	-	-	150	105
Oahu	1,147	1,016	168	145	1/ 250+	231
Kauai	125	124	16	16	39	14

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

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

**Table 18.45-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLAND:  
APRIL 2011**

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

Island	Number of aids to navigation			Light-houses	Greatest nominal range (naut. miles)	Highest above sea level (feet)	Highest Structure Height (feet)
	By control						
	Total	Federal	Other 1/				
Total	548	317	231	21	2/ 25	2/ 931	3/ 153
Hawaii	65	52	13	8	24	156	153
Maui	75	34	41	2	10	161	40
Molokini	1	1	-	-	21	186	138
Kahoolawe	1	1	-	-	7	120	20
Lanai	16	8	8	1	8	91	37
Molokai	19	10	9	1	21	321	8
Oahu	242	156	86	5	25	931	25
Kauai	45	28	17	4	24	174	10
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	51	51
At sea	64	7	57	-	-	-	-

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

2/ Kaena Point Light.

3/ Cape Kumukahi Light.

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

**Table 18.46-- UNDOCUMENTED VESSEL REGISTRATION:  
DECEMBER 31, 2010**

Subject	Number	Subject	Number
Registered vessels	14,847	Type of vessel:	
Length		Aux. powered sailing vessel	1,077
Under 16 feet	5,343	Cabin motorboat	2,571
16 to less than 26 feet	7,455	Open motorboat	5,767
26 to less than 40 feet	1,804	Runabout	2,362
40 to 65 feet	229	Sail only	643
Over 65 feet	16	Houseboat	3
Hull material		Motor vessel over 65 feet in length	14
Aluminum	507	Thrill craft	1,608
Fiberglass / plastic	13,019	Other	802
Rubber / fabric	588	Uses:	
Wood	573	Pleasure	13,667
Other	125	Commercial fishing	346
Steel	35	Charter fishing	16
Unknown	-	Commercial passenger	248
Propulsion		Other commercial	121
Inboard	4,620	Livery	70
Outboard	4,728	Dealer	14
Inboard / outboard	1,985	Manufacturer	5
Sail / inboard	651	Youth group - fee exempt	62
Sail / outboard	507	Government - fee exempt	277
Sail only	519	Other	21
Manual	89	Island where vessel is kept:	
Other	58	Hawaii	2,554
Unknown	-	Kauai	1,564
Waterjet	1,690	Lanai	69
Mooring location		Maui	1,711
Moored on water	3,117	Molokai	227
Moored on land	11,730	Oahu	8,722
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 18.47-- NUMBERED VESSELS REGISTERED IN HAWAII:  
1997 TO 2010**

[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	2004	17,130
1998	15,138	2005	15,302
1999	15,481	2006	15,015
2000	14,874	2007	15,094
2001	14,273	2008	16,744
2002	15,445	2009	15,709
2003	15,587	2010	14,847

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 18.48-- BOATING ACCIDENTS: 1991 TO 2010**

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
2008	27	5	5	22	30	299.0
2009	31	8	8	-	34	31.0
2010	21	4	4	3	21	(NA)

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 18.49-- VESSEL ARRIVALS, BY DRAFT: 2008 AND 2009**

[Excludes domestic fishing craft]

Harbor	2008			2009		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	1,416	1,206	210	750	586	164
Kawaihae	1,282	1,279	3	586	586	-
Kahului	2,160	1,921	239	1,032	940	92
Barbers Point	2,058	1,926	132	945	829	116
Honolulu	6,006	5,219	787	3,503	2,915	588
Nawiliwili	971	854	117	545	464	81
Kaunakakai	1/ 242	(NA)	(NA)	204	204	-
Port Allen	105	105	-	31	31	-

NA Not available.

1/ 20 feet and less.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2008, 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 2009, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.iwr.usace.army.mil/ndc/wsc/wsc.htm>> accessed June 3, 2011.

**Table 18.50-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1985 TO 2010**

[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
2008 1/	1,002	7,547,740	2,964	2,330,907
2009 1/	931	6,516,235	2,512	2,237,140
2010 1/	896	6,529,057	2,264	2,233,594

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 18.51-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,  
FOR HONOLULU HARBOR: 2005 TO 2010**

[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>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
In	250,733	342,333	469,054	390,274	222,460	213,304
Out	253,104	363,165	487,063	388,300	222,661	213,468

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

**Table 18.52-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:  
1993 TO 2009**

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

<b>Year</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
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	10,513	10,353	1,091
1998	1,630	886	2,851	6,658	13,723	938
1999	1,701	1,090	3,513	8,707	12,259	1,348
2000	1,651	1,310	3,477	6,778	15,501	1,581
2001	1,680	1,378	3,695	6,079	16,562	1,478
2002	1,765	1,645	3,458	5,990	16,636	1,619
2003	1,850	1,801	3,778	5,930	17,836	1,721
2004	1,850	2,277	3,901	6,086	19,085	1,757
2005	1,996	2,217	4,132	6,344	20,394	1,977
2006	2,408	2,728	4,794	10,724	16,224	1,864
2007	2,782	2,558	5,630	11,295	17,582	2,333
2008	2,068	2,063	3,958	10,137	14,006	1,680
2009	1,088	1,112	2,139	9,670	9,161	951

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2009, 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 June 3, 2011 and other annuals.

**Table 18.53-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,  
FOR SPECIFIED HARBORS: 2009**

[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	1,088	1,112	2,139	9,670	9,161	951
Foreign						
Inbound	8	-	98	7,800	466	3
Outbound	4	-	-	241	290	-
Canadian						
Inbound	-	-	-	324	36	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	1,076	1,112	2,042	1,305	8,369	948
Receipts	744	626	1,261	195	5,342	591
Shipments	332	486	781	1,110	3,027	357
Internal, inbound, upbound	-	-	-	-	-	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2009, 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 June 3, 2010.

**Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2009**

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

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Hilo	1,088	8	4	-	-	1,076	744	332	-
Petroleum and petroleum products	331	5	-	-	-	326	326	-	-
Primary manufactured goods	635	1	1	-	-	634	332	301	-
Food and farm products	33	1	2	-	-	30	23	7	-
Manufactured equipment, machinery and products	49	1	-	-	-	48	35	14	-
Kawaihae	1,112	-	-	-	-	1,112	626	486	-
Petroleum and petroleum products	3	-	-	-	-	3	3	-	-
Primary manufactured goods	839	-	-	-	-	839	463	376	-
Food and farm products	132	-	-	-	-	132	61	71	-
Manufactured equipment, machinery and products	116	-	-	-	-	116	85	31	-
Kahului	2,139	98	-	-	-	2,042	1,261	781	-
Petroleum and petroleum products	371	4	-	-	-	367	367	(2/)	-
Primary manufactured goods	1,356	-	-	-	-	1,356	681	675	-
Food and farm products	143	-	-	-	-	143	87	56	-
Manufactured equipment, machinery and products	133	-	-	-	-	133	95	38	-
Barbers Point	9,670	7,800	241	324	-	1,305	195	1,110	-
Petroleum and petroleum products	8,008	6,731	139	40	-	1,098	92	1,006	-
Primary manufactured goods	429	301	-	-	-	128	38	91	-
Manufactured equipment, machinery and products	1	-	-	-	-	1	(2/)	1	-
Honolulu	9,161	466	290	36	-	8,369	5,342	3,027	-
Petroleum and petroleum products	738	187	141	14	-	397	302	95	-
Primary manufactured goods	3,835	34	20	-	-	3,782	1,882	1,899	-
Food and farm products	1,537	66	44	23	-	1,404	1,057	347	-
Manufactured equipment, machinery and products	2,511	64	16	-	-	2,431	1,832	600	-

Continued on next page.

**Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2009 -- Con.**

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Nawiliwili	951	3	-	-	-	948	591	357	-
Petroleum and petroleum products	48	3	-	-	-	45	45	-	-
Primary manufactured goods	801	-	-	-	-	801	483	318	-
Food and farm products	21	-	-	-	-	21	12	9	-
Manufactured equipment, machinery and products	69	-	-	-	-	69	45	24	-

1/ Includes internal, inbound and upbound.

2/ Figure rounds down to zero.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2009, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wsc/wsc.htm>> accessed June 3, 2011.

**Table 18.55-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED CODES: 2009**

[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	1,020	23,538	947,888	40,270
481	Air transportation	73	7,106	322,606	45,400
4811	Scheduled air transportation	50	6,879	311,169	45,235
4812	Nonscheduled air transportation	23	227	11,437	50,402
483	Water transportation	25	1,838	103,481	56,314
484	Truck transportation	241	3,016	116,366	38,580
4841	General freight trucking	118	1,616	65,027	40,241
4842	Specialized freight trucking	123	1,400	51,339	36,662
485	Transit & ground passenger transp.	132	2,250	45,924	20,409
4853	Taxi and limousine service	55	311	6,973	22,411
4854	School & employee bus transp.	19	1,146	22,217	19,390
4859	Other ground passenger transp.	55	753	15,796	20,970
487	Scenic & sightseeing transportation	209	3,348	95,188	28,430
4871	Scenic & sightseeing transp., land	43	1,435	37,764	26,313
4872	Scenic & sightseeing transp., water	142	1,566	41,612	26,581
4879	Scenic & sightseeing transp., other	25	348	15,812	45,502
488	Support activities for transportation	223	3,920	180,336	46,008
4881	Support activities for air transp.	53	1,889	57,144	30,255
4883	Support activities for water transp.	32	1,142	92,151	80,722
4884	Support activities for road transp.	51	320	6,433	20,109
4885	Freight transportation arrangement	82	437	19,657	44,999
491	Postal service	6	20	353	18,008
492	Couriers & messengers	64	1,404	54,745	38,992
4921	Couriers and express delivery services	37	1,267	51,018	40,256
4922	Local messengers and local delivery	27	137	3,727	27,268
493	Warehousing & storage	47	637	28,889	45,369

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2009*, table 10 <<http://www.bls.gov/cew/cewbuln09.htm>> accessed April 19, 2011.

**Table 18.56-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND  
DESTINATION: 2007**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	22,043	35,270	1,547
Destination			
Hawaii	21,294	35,089	967
California	390	133	352
Oregon	15	(1/)	(1/)
Washington	35	(1/)	(1/)
Mode of transportation			
Single modes	19,373	34,452	1,096
Truck	10,381	18,576	242
Water	469	785	247
Air (includes truck and air)	721	(1/)	118
Pipeline 2/	7,801	14,889	(1/)
Multiple modes	2,098	522	444
Parcel, U.S. Postal Service or courier	1,076	16	10
Truck and water	1,015	500	382
Other multiple modes	(1/)	(1/)	(1/)
Other and unknown modes	572	297	8
Distance shipped (miles)			
Less than 50	17,890	31,339	375
50 to 99	946	966	120
100 to 249	2,442	2,777	469
250 to 499	16	(1/)	(1/)
500 to 2,000	-	-	-
More than 2,000	749	180	580
Commodity 3/			
Meat, fish, seafood, and their preparations	875	181	33
Other prepared foodstuffs and fats and oils	1,437	832	148
Gasoline and aviation turbine fuel	5,397	7,815	229
Fuel oils	3,682	8,657	265
Pharmaceutical products	1,256	6	(1/)
Printed products	229	100	(1/)
Textiles, leather, and articles of textiles or leather	343	(1/)	4
Electronic and other electrical equipment and components and office equipment	650	56	3

1/ Withheld because estimate did not meet publication standards.

2/ Estimates exclude shipments of crude petroleum.

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

Source: U.S. Census Bureau, 2007 *Economic Census, 2007 Commodity Flow Survey*, various tables.

<<http://www.census.gov/econ/census07/>> accessed June 9, 2010.