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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: 2010*, Section 23.

Table 18.01-- HIGHWAY DISTANCES: 2009

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: DECEMBER 31, 2007 TO 2009

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

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2007				
State total	4,352.39	88.53	4,091.45	172.41
Hawaii	1,473.36	-	1,414.06	59.30
Maui	635.23	-	578.53	56.70
Lanai	47.48	-	33.48	14.00
Molokai	135.77	-	123.77	12.00
Oahu	1,643.66	88.53	1,547.21	7.92
Kauai	416.89	-	394.40	22.49
Niihau	-	-	-	-
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	4,370.68	88.55	4,109.72	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	1,652.80	88.55	1,556.33	7.92
Kauai	415.54	-	393.05	22.49
Niihau	-	-	-	-

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

Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2009

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: 2004 TO 2009

Area	Number of bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		Number	Percent	Number	Percent	Number	Percent
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
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

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 May 28, 2010; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2009

Island and name of tunnel	Length (feet)
Oahu	
Pali, Honolulu side	to Honolulu 1,000 from Honolulu 1,080
Pali, Kailua side	to Honolulu 500 from Honolulu 497
Wilson	to Honolulu 2,775 from Honolulu 2,813
H-3	to Honolulu 4,890 from Honolulu 5,165
H-3, Hospital Rock	to Honolulu 353 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:
1999 TO 2009**

[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
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
2008	1,160,643	1,127,567	903,518	57	2,213
2009	1,149,928	1,117,790	895,770	63	2,143
		Motor vehicles -- continued			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motorcycles, motor-scooters 2/	Trailers and semi-trailers
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
2008	191,459	799	1,074	28,447	33,076
2009	188,860	813	1,262	28,879	32,138

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 2009**

[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]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
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

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

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,
BY COUNTY: 2009**

[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	1,149,928	733,190	180,826	77,606	158,306
Motor vehicles	1,117,790	718,253	172,209	73,847	153,481
Passenger vehicles 1/	895,770	595,263	130,669	52,469	117,369
Ambulances	63	42	5	1	15
Buses	2,143	1,673	273	7	190
Trucks 1/	188,860	100,425	36,864	19,567	32,004
Truck tractors	813	534	193	11	75
Truck cranes	1,262	1,061	115	6	80
Motorcycles, motorscooters 2/	28,879	19,255	4,090	1,786	3,748
Trailers and semi-trailers	32,138	14,937	8,617	3,759	4,825

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: 2009**

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

Taxation status	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total registered	1,088,911	698,998	168,119	72,061	149,733
Taxable vehicles	1,008,655	623,226	166,133	71,186	148,110
Exempt vehicles	80,256	75,772	1,986	875	1,623
Federal government	406	395	9	-	2
State government	6,176	6,175	-	-	1
County government	7,366	4,512	1,001	576	1,277
Fire department	289	69	127	54	39
Police department	1,704	1,294	405	-	5
Consulates	57	57	-	-	-
Disabled veterans	218	49	150	18	1
Military non-resident	59,814	59,564	44	141	65
Farm	181	38	35	3	105
Horseless carriage	61	48	9	4	-
Electric vehicles	180	111	32	6	31
National Guard	3,804	3,460	174	73	97

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

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

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

Source: U.S. 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 2009**

[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	1/ 65,882
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	2008	42,804
1995	41,083	2002	53,314	2009	33,639

1/ Revised from previous year *Databook*.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2010 First Quarter*.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 2006 TO 2008**

[Excludes U-drive/Fleet sales]

Nameplate	2006	2007	2008
Total	67,224	57,526	42,804
Toyota/Scion	17,919	15,673	12,201
Honda	7,843	7,688	6,115
Nissan	7,812	7,043	4,956
Ford	6,122	4,512	3,135
Chevrolet	3,625	2,802	2,028
Dodge	3,029	2,041	1,347
Lexus	1,983	1,768	1,340
Mazda	2,721	1,922	1,332
BMW	1,261	1,364	1,220
Mercedes	1,450	1,172	979
Hyundai	1,273	1,155	748
Kia	1,267	1,187	734
Jeep	896	845	641
Volkswagen	1,024	918	604
Acura	908	784	604
GMC	875	784	577
Saturn	699	700	450
Chrysler	768	490	330
All others	5,749	4,678	3,463

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2007 Edition 1, 2008 Second Quarter and 2009 First Quarter.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2006 TO 2008**

[Excludes U-drive/Fleet sales]

Type and place of manufacture	2006	2007	2008
Total	67,224	57,526	42,804
Car	29,603	24,650	20,180
Light truck	37,621	32,876	22,624
Chrysler, Ford, General Motors	17,637	13,416	9,320
Japanese	41,415	36,602	27,742
European	5,632	5,166	4,260
Korean	2,540	2,342	1,482

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2007 Edition 1, 2008 Second Quarter and 2009 First Quarter.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:
1991 TO 2009**

[As of December 31]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1991	699,664	501,260	86,181	38,894	73,329
1992	716,545	510,901	89,436	39,947	76,261
1993	734,381	522,016	92,264	41,910	78,191
1994	745,392	527,756	94,257	42,736	80,643
1995	732,508	516,780	94,048	42,041	79,639
1996	733,486	515,780	94,943	41,775	80,988
1997	738,865	517,904	96,665	42,079	82,217
1998	746,329	520,734	98,252	42,363	84,980
1999	752,693	521,671	100,331	43,141	87,550
2000	769,383	529,890	104,058	44,471	90,964
2001	787,820	542,244	106,557	45,424	93,595
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

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

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE
AND SEX: 2008 AND 2009**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2008	2009	2008	2009	2008	2009
Total	895,941	905,704	469,589	474,390	426,352	431,314
15 to 19	29,171	28,456	15,728	15,425	13,443	13,031
20 to 24	72,687	72,423	38,579	38,499	34,108	33,924
25 to 29	84,979	85,308	44,430	44,542	40,549	40,766
30 to 34	79,404	80,470	41,158	41,615	38,246	38,855
35 to 39	82,758	81,448	42,645	42,064	40,113	39,384
40 to 44	84,108	83,476	43,277	42,918	40,831	40,558
45 to 49	89,986	89,790	46,813	46,757	43,173	43,033
50 to 54	89,655	89,914	46,231	46,316	43,424	43,598
55 to 59	84,461	85,480	44,319	44,643	40,142	40,837
60 to 64	70,398	74,086	37,467	39,429	32,931	34,657
65 to 69	47,228	51,195	25,516	27,550	21,712	23,645
70 to 74	32,030	33,515	17,130	17,948	14,900	15,567
75 to 79	23,782	23,901	12,244	12,373	11,538	11,528
80 to 84	16,653	16,755	8,806	8,653	7,847	8,102
85 to 89	7,103	7,802	4,236	4,584	2,867	3,218
90 to 94	1,426	1,546	925	966	501	580
95 to 99	112	139	85	108	27	31

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

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1990 TO 2009, AND BY COUNTY, 2008 AND 2009

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	3/ 9,045
2006	531,505	471	3/ 10,196.3	3/ 9,044
2007	541,956	478	3/ 10,259.9	3/ 9,043
2008	540,910	480	3/ 10,189.1	3/ 9,036
2009	545,413	488	10,095.2	9,031
COUNTY: 2008				
Honolulu	313,702	3/ 437	3/ 6,293.2	3/ 8,745
Hawaii	114,211	3/ 651	3/ 1,705.0	3/ 9,734
Kauai	45,095	3/ 595	3/ 779.0	3/ 10,478
Maui	67,902	3/ 430	3/ 1,411.9	3/ 8,913
COUNTY: 2009				
Honolulu	308,064	430	6,276.1	8,754
Hawaii	118,362	686	1,676.3	9,717
Kauai	51,576	685	773.6	10,269
Maui	67,412	441	1,369.2	8,950

Continued on next page.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1990 TO 2009, AND BY COUNTY, 2008 AND 2009 -- 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: 2007 TO 2009

Site	Mile-point 1/	2007	2008	2009
Oahu				
H-1 west of Kaonohi St overpass	11.74	2/ 236,340	2/ 217,000	3/ 218,600
H-1 at Halawa Stream bridge	13.60	2/ 128,363	2/ 138,150	3/ 105,200
H-1 west of King St tunnel	18.74	3/ 61,608	2/ 57,000	3/ 51,100
H-1 at Kalihi interchange	19.57	2/ 160,017	2/ 156,800	3/ 161,000
H-1 at Kapalama drainage canal bridge	20.23	2/ 203,691	2/ 128,100	3/ 98,500
H-1 at McCully St overpass	23.55	2/ 134,267	2/ 124,773	3/ 138,200
H-1 at Manoa-Palolo drainage canal	24.60	2/ 111,271	2/ 107,300	3/ 121,100
H-2 south of Pineapple Rd overpass	4.03	2/ 92,276	2/ 86,447	3/ 86,400
H-3 west of North Halawa Valley bridge	1.28	2/ 47,775	2/ 47,316	3/ 46,500
H-3 west of Kamehaha Hwy interchange	10.37	2/ 28,503	2/ 24,900	3/ 26,300
Moanalua Freeway west of Kahuapaani Steet overpass	0.21	2/ 38,885	2/ 29,800	3/ 44,500
Moanalua Freeway west of Moanalua Street bridge	3.24	2/ 115,345	2/ 113,995	3/ 101,300
Pali Hwy at tunnels	5.64	2/ 44,524	2/ 47,462	3/ 38,600
Likelike Hwy north of Valley View Drive	2.96	2/ 29,795	2/ 27,814	3/ 26,700
Sand Island Parkway north of Pascule bridge	1.41	2/ 15,760	2/ 17,234	3/ 12,500
Kalaniana'ole Hwy east of Ainakoa Ave	18.32	2/ 84,870	2/ 75,500	3/ 108,800
Kamehameha Hwy 1.6 miles northeast of Johnson Rd	30.59	2/ 11,326	2/ 10,900	3/ 13,200
Nimitz Hwy east of Sand Island Access Rd	4.02	2/ 72,620	2/ 72,447	3/ 199,100
Farrington Hwy at Makaha bridge #2	12.48	3/ 20,480	2/ 19,700	3/ 20,300
Kalaelo'a Blvd south of H-1 on-ramp	0.15	2/ 17,170	2/ 17,129	3/ 22,200
Kamehameha Hwy at Kalauao bridge	20.70	2/ 56,106	2/ 53,800	3/ 55,500
Hawaii				
Volcano Rd at Glenwood Park	19.67	2/ 6,387	2/ 6,000	3/ 6,300

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2007 TO 2009 -- Con.

Site	Mile-point 1/	2007	2008	2009
Hawaii con.				
Mamalaha Hwy at state Hwys' south Kona baseyard	104.14	2/ 7,147	2/ 7,200	3/ 6,400
Queen Kaahumanu Hwy between Hualalai Rd & Nani-Kailua Dr	120.77	2/ 25,250	2/ 24,727	3/ 21,700
Hawaii Belt Rd north of Kalaoa bridge	8.01	2/ 11,679	2/ 10,700	3/ 14,400
Queen Kaahumanu Hwy between Kiholo Bay lookout & Kaupulehu Dr	83.60	2/ 14,545	2/ 14,244	3/ 11,800
Queen Kaahumanu Hwy north of OTEC access Rd	93.74	2/ 23,367	2/ 21,700	3/ 23,700
Keaau-Pahoa Rd south of waste station Rd	2.51	2/ 27,898	2/ 27,100	3/ 35,700
Maui				
Honoapiilani Hwy south of Kaanapali Parkway	23.58	3/ 41,001	2/ 39,100	3/ 43,600
Honoapiilani Hwy north of Kahana Kai bridge	28.37	2/ 14,950	2/ 14,703	3/ 11,600
Hana Hwy near Baldwin Park	6.28	2/ 18,105	2/ 17,088	3/ 19,000
Kauai				
Kuhio Hwy northwest of Kolo Rd and Kalamania Rd	23.51	2/ 13,982	2/ 13,684	3/ 13,700

1/ Many milepoints have been updated since the previous *Data Book* .

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

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

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

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU
URBANIZED AREA: 2004 TO 2007**

Subject	2004	2005	2006	2007
Population (1,000)	700	705	705	705
Urban area (square miles)	140	140	140	140
Population density (persons/square mile)	5,000	5,036	5,036	5,036
Peak travelers (1,000)	378	383	386	388
Daily vehicle-miles of travel (1,000)				
Freeway	6,000	6,015	6,080	6,275
Arterial streets	3,200	3,250	3,200	3,170
Cost components				
Value of time (\$/hour)	14.10	1/ 14.58	15.06	15.47
Commercial cost (\$/hour)	1/ 86.24	1/ 94.06	98.77	102.12
Fuel cost (\$/gallon)	2.38	2.63	3.09	3.41
Congested system (percent of lane-miles)	46	48	50	51
Number of daily rush hours 2/	6.8	6.8	7.0	7.2
Annual excess fuel consumed 3/				
Total (1,000 gallons)	5,680	1/ 6,358	6,479	7,051
Per peak traveler (gallons)	15	1/ 17	17	18
Annual delay (person-hours) 4/				
Total (1,000)	1/ 8,495	1/ 9,550	9,393	10,076
Per peak traveler 5/	22	1/ 25	24	26
Congestion cost 6/				
Total (\$ million)	1/ 147	1/ 173	179	199
Per peak traveler (\$)	1/ 388	1/ 451	464	514

1/ Revised from previous *Databook* .

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 2007 (estimated at \$15.47 per hour of person travel and \$102.12 per hour of truck time) and excess fuel consumption (estimated using state average cost per gallon).

Source: Texas Transportation Institute, *2009 Annual Urban Mobility Report*

<http://mobility.tamu.edu/ums/congestion_data/west_map.stm> accessed May 28, 2010.

Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1995 TO 2008, AND BY COUNTY, 2007 AND 2008

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal 2/	Injured only	Killed 2/
1995	3/ 16,583	118	3/ 12,874	127
1996	3/ 13,299	132	3/ 11,652	145
1997	12,445	117	11,190	131
1998	3/ 11,546	113	3/ 10,304	120
1999	10,632	90	9,604	98
2000	3/ 11,112	116	3/ 9,893	133
2001	3/ 10,872	133	3/ 8,647	141
2002	3/ 10,659	116	3/ 8,947	120
2003	3/ 11,289	117	3/ 9,088	135
2004	3/ 11,002	128	8,827	142
2005	3/ 10,592	129	3/ 8,574	140
2006	3/ 10,260	144	3/ 8,151	3/ 161
2007	3/ 9,546	3/ 125	3/ 7,487	3/ 138
2008	4/ 7,331	102	4/ 5,863	107
COUNTY: 2007				
Honolulu	3/ 5,827	61	3/ 4,370	67
Hawaii	3/ 2,161	34	3/ 1,591	38
Kauai	3/ 605	9	3/ 497	9
Maui	953	3/ 21	1,029	3/ 24
COUNTY: 2008				
Honolulu	4/ 5,062	41	4/ 3,944	43
Hawaii	4/ 1,046	29	4/ 761	29
Kauai	4/ 567	9	4/ 513	11
Maui	4/ 656	23	4/ 645	24

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 June 1, 2010.

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: 2006 TO 2008

[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
2006, State total	203	1/ 132	65	1/ 71	35	14	7	1/ 57	28
Hawaii	50	1/ 28	1/ 56	1/ 22	1/ 44	1/ 3	5	1/ 19	1/ 39
Honolulu	107	1/ 75	1/ 70	1/ 32	1/ 30	1/ 6	5	1/ 26	1/ 24
Kauai	18	12	64	1/ 6	36	1	1/ 6	5	1/ 30
Maui	28	1/ 17	59	1/ 11	41	5	18	1/ 6	23
2007, State total	171	109	64	62	36	1/ 19	1/ 11	1/ 43	25
Hawaii	44	19	1/ 43	25	1/ 57	8	19	1/ 17	1/ 38
Honolulu	79	1/ 58	73	1/ 21	27	4	5	1/ 17	1/ 22
Kauai	14	8	54	1/ 7	46	5	36	1/ 2	1/ 11
Maui	34	1/ 24	1/ 71	10	1/ 29	1/ 2	1/ 6	1/ 8	1/ 23
2008, State total	139	91	65	49	35	9	6	40	28
Hawaii	38	20	54	18	46	4	11	13	35
Honolulu	54	42	79	12	21	2	3	10	19
Kauai	16	10	63	6	38	-	-	6	38
Maui	31	18	57	13	43	3	11	10	32

1/ Revised from previous *Databook*.

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 May 28, 2010.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:
2007 TO 2009**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2007	2008	2009	2007	2008	2009
Hawaii	219	200	191	1,662	4,819	4,769
Maui	3/ 242	3/ 278	3/ 278	4,124	3,614	3,416
Lanai	(NA)	(NA)	(NA)	12	23	21
Molokai	(NA)	(NA)	(NA)	11	17	19
Oahu	1,484	1,494	1,506	254,142	281,527	308,246
Kauai 4/	-	-	-	405	614	2,288

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> 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:
2007 TO 2009**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
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
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

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 2009

[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	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
2008	540	21,536,584	69,759,954	41,984,132
2009	549	21,502,920	77,329,706	42,454,923

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 2010**

[As of July 1, 2010. 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 2, 2010.

**Table 18.27-- STEAM RAILROAD MILEAGE AND PASSENGERS:
1987 TO 2009**

[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)	1999	6.0	281,161	7.0	14,733
1988	6.0	285,139	(NA)	(NA)	2000	(NA)	(NA)	7.0	13,962
1989	6.0	296,391	(NA)	(NA)	2001	(NA)	(NA)	7.0	14,982
1990	6.0	308,910	(NA)	(NA)	2002	(NA)	(NA)	7.0	17,882
1991	6.0	316,079	(NA)	(NA)	2003	(NA)	(NA)	7.0	15,970
1992	6.0	385,261	(NA)	(NA)	2004	(NA)	(NA)	7.0	15,013
1993	6.0	388,484	(NA)	(NA)	2005	(NA)	(NA)	7.0	16,069
1994	6.0	390,862	5.0	1/ 12,821	2006	(NA)	(NA)	7.0	14,869
1995	6.0	447,211	6.5	16,704	2007	(NA)	(NA)	7.0	15,808
1996	6.0	418,099	6.5	19,678	2008	(NA)	(NA)	7.0	14,894
1997	6.0	369,327	6.5	20,850	2009	(NA)	(NA)	7.0	15,965
1998	6.0	(NA)	6.5	19,763					

NA Not available.

1/ Data incomplete.

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

**Table 18.28-- AIRPORTS AND HELIPORTS, BY CONTROL,
BY ISLAND: 2007 AND 2008**

[As of December 31]

Island	Airports 1/				Helicopters 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
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	-	-	-	-	-
2008						
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 2008

[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

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_research/aviation/taf_reports> accessed June 2, 2010.

Table 18.30-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2007 TO 2009

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

Airport	Total operations	Air carrier	Air taxi	General aviation	Military
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
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

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

**Table 18.31-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2009**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu Inter- national Airport	Hilo Inter- national Airport	Kona Inter- national 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

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: 1998 TO 2009**

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

Service	1998	1999	2000	2001	2002	2003
All carriers	40	43	42	43	44	43
Transpacific only	27	29	29	29	30	30
Domestic	12	12	13	13	13	14
Foreign	15	17	16	16	17	16
Transpacific and interisland	4	4	2	2	3	2
Interisland only	9	10	11	12	11	11
Passenger carriers	5	6	4	4	4	4
Cargo and mail only	4	4	7	8	7	7
Service	2004	2005	2006	2007	2008	2009
All carriers	43	43	42	39	37	39
Transpacific only	32	32	32	30	28	30
Domestic	13	13	14	14	13	12
Foreign	19	19	18	16	15	18
Transpacific and interisland	2	2	2	2	2	1
Interisland only	9	9	8	7	7	8
Passenger carriers	4	4	4	3	3	3
Cargo and mail only	5	5	4	4	4	5

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: 2006 TO 2008**

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

Airport	2006	2007	2008
State of Hawaii	10,360,886	1/ 10,190,698	9,162,013
Honolulu International	7,285,179	7,329,370	6,584,150
Kahului	1,954,782	1,875,590	1,591,863
Kona International	661,932	576,334	538,074
Hilo International	42,175	49,875	10,850
Lihu'e	416,818	1/ 359,529	437,076
Domestic	7,566,024	1/ 7,400,072	6,670,404
International	2,794,862	2,790,626	2,491,609

1/ Revised from previous *Data Book*.

Source: Official Airline Guide, *FlightDisk Worldwide Edition*. Calculations by the Hawaii State Department of Business, Economic Development & Tourism, Tourism Research Branch. See also <<http://www.hawaii.gov/dbedt/info/visitor-stats/tourism/2008/dec08.xls>> .

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.	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 HAWAIIAN
AIRLINES: 2005 TO 2008**

Subject	2005	2006	2007	2008
Operating aircraft (year-end)	25	29	29	32
Employees (full-time equivalents)	3,040	3,064	3,105	3,190
Aircraft departures (Thousands) 1/	49	53	57	65
Passengers enplaned (millions) 2/	5.8	6.2	7.1	7.8
Revenue passenger miles (billions) 2/	6.6	6.8	7.9	7.8
Cargo revenue ton miles (millions) 1/	85.0	73.0	70.0	76.7

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 June 2, 2010.

Table 18.36-- RANK OF HAWAII LOCATIONS AMONG THE TOP DOMESTIC AIRLINE MARKETS: 2007 AND 2008

[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
2008			
11	Honolulu - Kahului	2,091	53.46
30	Honolulu - Lihue	1,497	54.57
32	Honolulu - Kona	1,463	61.24

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 June 2, 2010.

**Table 18.37-- OVERSEAS AND INTER-ISLAND AIR PASSENGER
MOVEMENTS: 1988 TO 2009**

[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

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

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

Table 18.38-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2009

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
OVERSEAS						
Total	7,725,872	7,707,730	111,056	186,900	25,860	55,819
Honolulu	5,629,684	5,527,840	103,445	174,647	24,454	48,754
Kahului	1,259,248	1,273,707	2,478	7,887	721	4,272
Kona 3/	469,504	526,859	5,124	3,957	685	2,792
Lihue	367,436	379,067	9	409	-	-
Hilo	-	257	-	-	-	-
INTERISLAND						
Total	7,420,174	7,420,174	60,402	60,402	16,177	16,177
Honolulu	3,461,466	3,539,437	37,808	22,180	14,256	1,748
Kahului	1,333,172	1,322,789	3,738	10,220	863	7,445
Kona 2/	893,495	822,055	2,641	6,331	163	3,943
Lihue	875,083	866,308	3,313	8,430	103	301
Hilo	669,467	679,892	12,427	11,212	506	2,010
Waimea-Kohala	314	256	-	-	169	500
Hana	764	563	-	1	-	-
Kapalua	44,999	45,280	192	619	-	-
Molokai	93,083	95,490	204	725	90	145
Kalaupapa	2,220	2,359	18	150	4	10
Lanai	46,111	45,745	60	532	23	75

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 18.39-- AIR CARGO AND AIRMAIL: 1989 TO 2009

[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
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

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

**Table 18.40-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,
BY DESTINATION: JULY 2008**

[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	767	Canada	18
		Vancouver	18
U.S.	610	Japan	89
West	526	Nagoya	7
Anchorage	2	Osaka	14
Denver	16	Tokyo	68
Las Vegas	14	Other Asia	9
Los Angeles	217	Seoul	7
Oakland	7	Taipei	2
Phoenix	49	Oceania	15
Portland	21	Auckland	3
Sacramento	7	Sydney	12
Salt Lake City	14	Other	26
San Diego	15	Christmas Island	1
San Francisco	105	Guam	7
San Jose	7	Majuro	5
Seattle	52	Manila	7
East	84	Nadi	2
Atlanta	14	Pago Pago	3
Chicago	21	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 18.41-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY
HAWAIIAN AIRLINES: 2005 TO 2009**

[As of July 1]

Category	2005	2006	2007	2008	2009
Regular fare	144.70	167.80	182.90	170.00	218.10
Lowest capacity-controlled fare	91.70	44.80	44.90	1/ 70.00	54.10

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

Source: Hawaiian Airlines, records.

Table 18.42-- ANNUAL AVERAGE ROUND TRIP AIR FARES BETWEEN HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2008

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

Year	Los Angeles	San Francisco	Las Vegas	Portland, Oregon	Seattle	Dallas/Fort Worth	Chicago
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

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

Table 18.43-- STATE COMMERCIAL HARBORS: 2009

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:							
Kaunapala	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							
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 18.44-- HARBOR DEPTHS: 2008

[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 2008, 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 4, 2010.

**Table 18.45-- SMALL CRAFT MOORING FACILITIES,
BY ISLAND: DECEMBER 31, 2009**

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 to or greater (=>) than the number shown.

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

**Table 18.46-- 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				Lighthouses	Greatest nominal range (naut. miles)	Highest above--	
	By control			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 18.47-- UNDOCUMENTED VESSEL REGISTRATION:
DECEMBER 31, 2009**

Subject	Number	Subject	Number
Registered vessels	15,709	Type of vessel:	
Length		Aux. powered sailing vessel	1,124
Under 16 feet	5,842	Cabin motorboat	2,658
16 to less than 26 feet	7,762	Open motorboat	5,999
26 to less than 40 feet	1,860	Runabout	2,486
40 to 65 feet	231	Sail only	705
Over 65 feet	14	Houseboat	5
Hull material		Motor vessel over 65 feet in length	13
Aluminum	522	Thrill craft	1,816
Fiberglass / plastic	13,724	Other	903
Rubber / fabric	665	Uses:	
Wood	620	Pleasure	14,431
Other	137	Commercial fishing	352
Steel	41	Charter fishing	17
Unknown	-	Commercial passenger	260
Propulsion		Other commercial	128
Inboard	5,282	Livery	113
Outboard	4,492	Dealer	14
Inboard / outboard	2,079	Manufacturer	5
Sail / inboard	673	Youth group - fee exempt	75
Sail / outboard	532	Government - fee exempt	291
Sail only	580	Other	23
Manual	102	Island where vessel is kept:	
Other	73	Hawaii	2,671
Unknown	-	Kauai	1,647
Waterjet	1,896	Lanai	83
Mooring location		Maui	1,855
Moored on water	3,317	Molokai	232
Moored on land	12,392	Oahu	9,221
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 18.48-- NUMBERED VESSELS REGISTERED IN HAWAII:
1997 TO 2009**

[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]

Year	Number of vessels	Year	Number of vessels
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		

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 18.49-- BOATING ACCIDENTS: 1991 TO 2009

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	1190.0
2008	27	5	5	22	30	299.0
2009	31	8	8	-	34	31.0

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 18.50-- VESSEL ARRIVALS, BY DRAFT: 2007 AND 2008

[Excludes domestic fishing craft]

Harbor	2007			2007		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	1,014	659	355	1,416	1,206	210
Kawaihae	665	633	32	1,282	1,279	3
Kahului	1,506	1,150	356	2,160	1,921	239
Barbers Point	1,236	1,093	143	2,058	1,926	132
Honolulu	4,212	3,279	933	6,006	5,219	787
Nawiliwili	811	584	227	971	854	117
Kalaupapa 1/	3	3	-	(NA)	(NA)	(NA)
Kaunakakai	248	(NA)	(NA)	2/ 242	(NA)	(NA)
Port Allen	33	33	-	105	105	-

NA Not available.

1/ 14 feet and less.

2/ 20 feet and less.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2007, 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 2008, 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 4, 2010.

Table 18.51-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1985 TO 2009

[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

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 18.52-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,
FOR HONOLULU HARBOR: 2004 TO 2009**

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

Type of passenger	2004	2005	2006	2007	2008	2009
In	177,701	250,733	342,333	469,054	390,274	222,460
Out	175,382	253,104	363,165	487,063	388,300	222,661

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

**Table 18.53-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1993 TO 2008**

[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	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

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 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed June 4, 2010.

**Table 18.54-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,
FOR SPECIFIED HARBORS: 2008**

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

Category	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
All freight traffic	2,068	2,062	3,958	10,137	14,006	1,680
Foreign						
Inbound	43	1	106	7,698	702	3
Outbound	-	-	-	232	361	-
Canadian						
Inbound	-	-	-	473	19	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	2,025	2,061	3,852	1,730	12,924	1,677
Receipts	1,362	1,164	2,304	321	7,410	1,139
Shipments	663	897	1,549	1,409	5,514	538
Internal, inbound, upbound	-	-	-	4	-	-

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 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wsc/wsc.htm>> accessed June 4, 2010.

**Table 18.55-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2008**

[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	2,068	43	-	-	-	2,025	1,362	663	-
Petroleum and petroleum products	448	9	-	-	-	439	438	1	-
Primary manufactured goods	1,146	11	-	-	-	1,135	615	520	-
Food and farm products	134	-	-	-	-	134	99	35	-
Manufactured equipment, machinery and products	241	-	-	-	-	241	170	71	-
Kawaihae	2,062	1	-	-	-	2,061	1,164	897	-
Petroleum and petroleum products	1	-	-	-	-	1	1	-	-
Primary manufactured goods	1,499	(2/)	-	-	-	1,499	806	693	-
Food and farm products	238	-	-	-	-	238	119	119	-
Manufactured equipment, machinery and products	283	(2/)	-	-	-	283	204	78	-
Kahului	3,958	106	-	-	-	3,852	2,304	1,549	-
Petroleum and petroleum products	448	8	-	-	-	440	440	(2/)	-
Primary manufactured goods	2,588	3	-	-	-	2,585	1,311	1,274	-
Food and farm products	264	-	-	-	-	264	191	73	-
Manufactured equipment, machinery and products	460	(2/)	-	-	-	459	292	167	-
Barbers Point	10,137	7,698	232	473	-	1,734	321	1,409	4
Petroleum and petroleum products	8,071	6,585	93	-	-	1,393	164	1,226	4
Primary manufactured goods	616	423	(2/)	-	-	194	41	153	-
Manufactured equipment, machinery and products	1	(2/)	-	-	-	(2/)	(2/)	(2/)	-
Honolulu	14,006	702	361	19	-	12,924	7,410	5,514	-
Petroleum and petroleum products	969	424	208	-	-	337	332	6	-
Primary manufactured goods	6,691	47	20	(2/)	-	6,624	3,224	3,400	-
Food and farm products	1,966	70	54	19	-	1,823	1,162	661	-
Manufactured equipment, machinery and products	3,683	70	8	(2/)	-	3,605	2,366	1,239	-

Continued on next page.

**Table 18.55-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2008 -- Con.**

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Nawiliwili	1,680	3	-	-	-	1,677	1,139	538	-
Petroleum and petroleum products	99	3	-	-	-	96	96	(2/)	-
Primary manufactured goods	1,159	-	-	-	-	1,159	740	419	-
Food and farm products	83	-	-	-	-	83	75	8	-
Manufactured equipment, machinery and products	287	-	-	-	-	287	189	97	-

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 2008, 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 4, 2010.

Table 18.56-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED CODES: 2008

[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	1,035	26,406	1,068,992	40,483
481	Air transportation	79	7,994	354,275	44,320
4811	Scheduled air transportation	55	7,744	341,289	44,072
4812	Nonscheduled air transportation	25	250	12,987	52,033
483	Water transportation	25	2,844	144,835	50,919
484	Truck transportation	232	3,345	130,801	39,103
4841	General freight trucking	109	1,770	70,968	40,102
4842	Specialized freight trucking	123	1,575	59,833	37,981
485	Transit & ground passenger transp.	126	2,170	44,221	20,377
4854	School & employee bus transp.	20	1,091	21,858	20,043
4859	Other ground passenger transp.	49	740	14,570	19,682
485991	Special needs transportation	20	190	4,433	23,371
487	Scenic & sightseeing transportation	211	3,626	104,317	28,773
4871	Scenic & sightseeing transp., land	43	1,537	39,904	25,971
4872	Scenic & sightseeing transp., water	144	1,657	45,403	27,398
488	Support activities for transportation	234	4,159	203,354	48,901
4881	Support activities for air transp.	57	2,022	75,394	37,282
4883	Support activities for water transp.	37	1,170	95,907	81,966
48832	Marine cargo handling	10	1,005	86,733	86,294
4885	Freight transportation arrangement	88	517	21,804	42,153
491	Postal service	6	23	448	19,559
492	Couriers & messengers	69	1,494	56,539	37,856
4921	Couriers and express delivery services	38	1,315	51,878	39,438
4922	Local messengers and local delivery	31	178	4,661	26,174
493	Warehousing & storage	54	752	30,201	40,147
4931	Warehousing & storage	54	752	30,201	40,147
49311	General warehousing & storage	41	581	23,079	39,695

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2008*, table 10 <<http://www.bls.gov/cew/cewbuln08.htm>> accessed June 9, 2010.

Table 18.57-- 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.