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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: 2012*, Section 23.

**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES
AND INTERSTATES: 2012**

Route	Description	Miles
OAHU		
Interstates		
H-1	Queen Lili'uokalani Freeway, Lunalilo Freeway	27.16
H-2	Veterans Memorial Freeway	8.33
H-3	John A. Burns Freeway	15.32
H-201	Moanalua Freeway	4.09
State Routes		
61	Pali Hwy, Kalaniana'ole Hwy, Kailua Rd.	10.60
63	Kalihi St, Likelike Hwy	8.28
72	Kalaniana'ole Hwy	18.44
83	Kam. Hwy, Kahekili Hwy, Likelike Hwy	43.92
92	Nimitz Hwy, Ala Moana Blvd	9.26
93	Farrington Hwy.	19.53
99	Kam. Hwy, Kamananui Rd, Wilikina Dr, Farrington Hwy	23.83
750	Kunia Rd	8.05
HAWAII		
State Routes		
11	Kanoiehua Ave, Mamalahoa Hwy, Hawaii Belt Rd, Volcano Rd. Kuakini Hwy, Queen Kaahumanu Ext	121.98
19	Kuhio St, Kalaniana'ole St, Kamehameha Ave, Pauahi St Bayfront Hwy, Mamalahoa Hwy, Lindsey Rd, Hawaii Belt Rd Kawaihae Rd, Queen Kaahumanu Hwy	99.49
130	Keaau-Pahoa Rd, Pahoa-Kalapana Rd, Kaimu-Chain of Craters Rd 1/	21.83
190	Mamalahoa Hwy, Palani Rd	38.97
200	Saddle Rd 2/	44.83
250	Kohala Mountain Rd, Hawi Rd	19.27
270	Kawaihae Rd, Akoni Pule Hwy	27.00
MAUI		
State Routes		
30	High St, Honoapiilani Hwy, Kahekili Hwy	41.60
31	Piilani Hwy 3/	7.15
36	Hana Hwy	16.21
37	Haleakala Hwy, Kula Hwy	21.35
360	Hana Hwy, Keawa Pl	34.84
378	Haleakala Crater Rd	10.11

Continued on next page.

**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES
AND INTERSTATES: 2012 -- Con.**

Route	Description	Miles
KAUAI		
State Routes		
50	Kaumualii Hwy	32.92
56	Kuhio Hwy	28.12
550	Waimea Canyon Dr, Kokee Rd	14.08
560	Kuhio Hwy (Starts at end of Route 56)	10.01
MOLOKAI		
State Routes		
450	Kamehameha V Hwy	27.51
460	Kaunakakai PI & Maunaloa Hwy	16.56
LANAI		
State Routes		
440	Kaumalapau Hwy & Manele Rd	13.18

1/ Designated length and the real traveled length are different due to lava flows, between 21.83 and 25.32 miles.

2/ Not including 26 miles proposed.

3/ Not including 4.86 mile proposed.

Source: Hawaii State Department of Transportation, Highways Division, State Route System Straight Line Diagrams 2009 <http://hwypgis.dot.hawaii.gov/infostructure/index_files/Page532.htm> accesses on July 16, 2013 and records.

Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLAND: 2010 TO 2012

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

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
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	-	-	-	-
2011				
State total	4,405.15	88.55	1/ 4,144.19	1/ 172.41
Hawaii	1,487.71	-	1/ 1,428.41	1/ 59.30
Maui	636.01	-	579.31	56.70
Lanai	47.80	-	33.80	14.00
Molokai	136.15	-	124.15	12.00
Oahu	1,658.39	88.55	1,561.92	7.92
Kauai	439.08	-	416.59	22.49
Niihau	-	-	-	-
2012				
State total	4,415.74	88.55	4,154.78	172.41
Hawaii	1,494.73	-	1,435.43	59.30
Maui	635.88	-	579.18	56.70
Lanai	47.80	-	33.80	14.00
Molokai	136.15	-	124.15	12.00
Oahu	1,662.09	88.55	1,565.62	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, 2012

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: 2007 TO 2012

Area	Number of bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		Number	Percent	Number	Percent	Number	Percent
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
2011							
U.S.	605,086	143,889	23.8	67,526	11.2	76,363	12.6
Hawaii	1,132	506	44.7	144	12.7	362	32.0
2012							
U.S.	607,380	151,497	24.9	66,749	11.0	84,748	14.0
Hawaii	1,131	505	44.7	146	12.9	359	31.7

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 June 12, 2013; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2012

Island and name of tunnel	Length (feet)
Oahu	
Pali, Honolulu side	1,000
to Honolulu	1,080
from Honolulu	
Pali, Kailua side	500
to Honolulu	497
from Honolulu	
Wilson	2,775
to Honolulu	2,813
from Honolulu	
H-3	4,890
to Honolulu	5,165
from Honolulu	
H-3, Hospital Rock	353
to Honolulu	354
from Honolulu	
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 2012**

[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
2011	1,210,370	1,181,148	951,170	79	2,320
2012	1,310,286	1,278,233	1,033,975	91	2,621
		Motor vehicles -- continued			
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
2011	191,850	989	1,718	33,022	29,222
2012	200,124	1,183	2,016	38,223	32,053

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, Safe Communities Program, records.

**Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTY:
1995 TO 2012**

[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
2010	1,120,080	720,267	171,974	73,563	154,276
2011	1,181,148	755,425	181,931	78,373	165,419
2012	1,278,233	814,361	197,273	85,292	181,307

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,
BY COUNTY: 2012**

[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	1,310,286	828,363	206,697	89,179	186,047
Motor vehicles	1,278,233	814,361	197,273	85,292	181,307
Passenger vehicles 1/	1,033,975	677,948	151,353	61,437	143,237
Ambulances	91	53	14	7	17
Buses	2,621	2,080	301	49	191
Trucks 1/	200,124	106,278	39,700	21,441	32,705
Truck tractors	1,183	658	200	254	71
Truck cranes	2,016	1,767	129	41	79
Motorcycles, motorscooters 2/	38,223	25,577	5,576	2,063	5,007
Trailers and semi-trailers	32,053	14,002	9,424	3,887	4,740

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, Safe Communities Program, records.

**Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS,
BY COUNTY: 2012**

[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	1,240,010	788,784	191,697	83,229	176,300
Taxable vehicles	1,129,159	682,979	189,479	82,256	174,445
Exempt vehicles	110,851	105,805	2,218	973	1,855
Federal government	451	439	10	-	2
State government	6,407	6,405	-	-	2
County government	7,508	4,744	1,002	582	1,180
Fire department	320	62	134	60	64
Police department	1,812	1,292	404	-	116
Consulates	61	59	2	-	-
Disabled veterans	276	50	217	8	1
Military non-resident	86,578	86,221	73	185	99
Farm	129	36	49	1	43
Horseless carriage	82	63	9	10	-
Electric vehicles	1,223	928	86	32	177
National Guard	6,004	5,506	232	95	171

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTY: 2011**

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

Vehicles available	State total	Hawaii	Honolulu	Kauai	Maui
Occupied units	448,563	64,605	308,495	22,874	52,549
None	40,130	3,254	32,537	821	3,510
1	157,376	23,649	109,758	6,280	17,671
2	160,810	24,698	106,606	10,852	18,654
3	58,299	8,499	37,944	3,385	8,464
4 or more	31,948	4,505	21,650	1,536	4,250

Source: U.S. Census Bureau, 2011 American Community Survey 1-Year Estimates, *Selected Housing Characteristics: 2011* <<http://www.census.gov/acs/www/>> accessed June 12, 2013.

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 2012**

[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	34,019
1995	41,083	2003	62,712	2011	35,531
1996	41,480	2004	65,882	2012	44,500

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2012 Fourth Quarter Edition*.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 2010 TO 2012**

[Excludes U-drive/Fleet sales]

Nameplate	2010	2011 1/	2012
Total	34,019	37,086	44,830
Toyota/Scion	9,436	9,442	11,774
Honda	4,874	4,814	5,779
Nissan	3,693	4,051	4,508
Ford	2,531	3,024	3,384
Chevrolet	1,241	1,688	1,994
Hyundai	1,125	1,644	1,973
Mazda	1,230	1,302	1,599
Lexus	1,202	1,241	1,458
Kia	832	1,201	1,364
BMW	1,069	1,120	1,231
Mercedes	975	970	1,111
Volkswagen	569	732	1,062
Jeep	477	657	1,031
Acura	571	532	871
Dodge	2/ 794	615	863
Subaru	509	530	695
MINI	477	510	593
GMC	421	430	470
Audi	262	352	455
Ram	(2/)	297	370
Chrysler	123	188	359
Infiniti	333	332	319
Volvo	177	236	216
Mitsubishi	124	202	189
Fiat	-	86	179
Cadillac	184	141	163
Suzuki	190	229	155
Porsche	115	129	150
Land Rover	75	88	121
Buick	89	90	119
Smart	75	49	112
Lincoln	57	55	64
Jaguar	68	64	50
All others	121	45	49

1/ Revised from previous *Data Book*.

2/ Prior to 2011 Ram included in Dodge figure.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer, 2011 First Quarter, 2012 First Quarter* and *2013 First Quarter Edition*.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2010 TO 2012**

[Excludes U-drive/Fleet sales]

Type and place of manufacture	2010	2011 1/	2012
Total	34,019	37,086	44,830
Car	16,902	18,357	23,214
Light truck	17,117	18,729	21,616
Chrysler, Ford, General Motors	5,977	7,187	8,821
Japanese	22,162	22,675	27,347
European	3,923	4,379	5,325
Korean	1,957	2,845	3,337

1/ Revised from previous *Data Book*.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2011 First Quarter, 2012 First Quarter and 2013 First Quarter Edition.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:
1991 TO 2012**

[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
2010	911,417	618,975	129,041	52,981	110,420
2011	915,033	621,769	129,087	53,184	110,993
2012	910,265	618,492	128,423	52,683	110,666

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

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE
AND SEX: 2011 AND 2012**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2011	2012	2011	2012	2011	2012
Total	915,033	910,265	477,830	474,079	437,203	436,186
15 to 19	25,803	24,453	13,902	12,945	11,901	11,508
20 to 24	72,742	70,665	38,695	37,617	34,047	33,048
25 to 29	83,927	81,404	43,818	42,406	40,109	38,998
30 to 34	82,939	83,578	42,807	43,014	40,132	40,564
35 to 39	77,568	77,309	39,818	39,399	37,750	37,910
40 to 44	83,540	82,191	43,249	42,512	40,291	39,679
45 to 49	86,507	83,343	44,828	43,028	41,679	40,315
50 to 54	88,525	87,700	45,704	45,483	42,821	42,217
55 to 59	87,212	86,872	45,119	44,755	42,093	42,117
60 to 64	78,691	79,160	41,543	41,531	37,148	37,629
65 to 69	57,944	62,042	30,868	32,902	27,076	29,140
70 to 74	37,014	38,474	19,749	20,574	17,265	17,900
75 to 79	24,281	24,218	12,643	12,649	11,638	11,569
80 to 84	17,324	17,242	8,776	8,706	8,548	8,536
85 to 89	8,793	9,133	4,899	4,984	3,894	4,149
90 to 94	2,049	2,280	1,298	1,442	751	838
95 to 99	174	201	114	132	60	69

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

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1992 TO 2012, AND BY COUNTY, 2011 AND 2012

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/
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
2011	546,247	462	10,653.9	9,020
2012	520,544	407	11,517.7	9,011
COUNTY: 2011				
Honolulu	324,106	429	6,591.8	8,726
Hawaii	105,404	579	1,768.7	9,722
Kauai	47,278	603	822.1	10,490
Maui	69,460	420	1,471.3	8,895
COUNTY: 2012				
Honolulu	313,748	386	7,096.1	8,726
Hawaii	94,342	477	1,916.4	9,698
Kauai	45,901	528	895.3	10,297
Maui	66,553	369	1,610.0	8,921

Continued on next page.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1992 TO 2012, AND BY COUNTY, 2011 AND 2012 -- 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.

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

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2010 TO 2012

[Annual average daily traffic (AADT), the average of 24 hour counts collected every day in the year, unless otherwise specified]

Site	Route	Milepoint	2010	2011	2012
Oahu					
H-1 west of Kualalalai Pkwy overpass	H-1	3.41	(NA)	85,300	86,200
H-1 west of Kaonohi St overpass	H-1	11.74	232,000	236,900	235,400
H-1 at Halawa Stream bridge	H-1	13.54	107,700	122,400	107,400
H-1 at airport off-ramp	H-1	16.22	(NA)	97,100	96,300
H-1 west of King St tunnel	H-1	18.77	57,300	58,700	59,800
H-1 at Kalihi interchange	H-1	19.27	1/ 157,300	158,800	159,000
H-1 at Kapalama drainage canal bridge	H-1	20.24	114,400	201,600	173,200
H-1 at McCully St overpass	H-1	23.55	133,300	132,600	132,500
H-1 at Manoa-Palolo drainage canal	H-1	24.60	107,000	106,200	105,900
H-2 south of Pineapple Rd overpass	H-2	4.02	92,300	93,400	93,000
H-3 west of North Halawa Valley bridge	H-3	1.28	46,800	47,400	47,000
H-3 west of Kamehaha Hwy interchange	H-3	10.37	26,200	26,500	26,200
Moanalua Freeway west of Kahuapaani St overpass	H-201	0.21	44,600	62,300	44,100
Moanalua Freeway west of Moanalua St bridge	H-201	3.19	98,300	139,100	98,900
Pali Hwy at tunnels	61	5.69	1/ 42,300	42,300	42,200
Likelike Hwy north of Valley View Drive	63	2.96	29,000	29,000	29,000
Sand Island Parkway north of Pascule bridge	64	1.41	12,600	13,600	12,700
Kalaniana'ole Hwy east of Ainakoa Ave	72	18.32	72,200	82,200	81,900
Kamehameha Hwy at Wilson Bridge	80	0.01	(NA)	47,300	47,200
Kamehameha Hwy 1.6 miles northeast of Johnson Rd	83	30.59	11,300	11,300	11,700
Nimitz Hwy east of Sand Island Access Rd	92	4.04	58,800	63,300	58,500
Farrington Hwy at Makaha bridge #2	93	12.50	19,200	18,800	18,100
Kalaeloa Blvd south of H-1 on-ramp	95	0.20	31,100	35,500	32,500

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2010 TO 2012 -- Con.

Site	Route	Milepoint	2010	2011	2012
Oahu con.					
Kamehameha Hwy at Kalauao bridge	99	20.67	52,500	53,300	52,300
Kunia Rd near Kunia Dr	750	4.81	(NA)	(NA)	13,500
Hawaii					
Volcano Rd near Ikaika St	11	5.29	(NA)	39,300	39,200
Volcano Rd at Glenwood Park	11	19.66	6,000	5,900	5,800
Mamalahoa Hwy at states' south Kona baseyard	11	104.14	6,300	6,200	6,100
Queen Kaahumanu Hwy near Hualalai Rd	11	120.77	22,100	22,200	22,200
Hawaii Belt Rd north of Kalaoa bridge	19	8.01	10,500	10,300	10,100
Queen Kaahumanu Hwy near Kaupulehu Dr	19	83.60	11,800	12,300	12,600
Queen Kaahumanu Hwy north of OTEC access Rd	19	93.74	21,600	22,100	22,500
Keaau-Paho Rd south of waste station Rd	130	2.51	1/ 27,300	26,900	26,600
Maui					
Honoapiilani Hwy south of Kaanapali Pkwy	30	23.58	37,900	39,100	39,300
Honoapiilani Hwy north of Kahana Kai bridge	30	28.37	12,700	14,100	(NA)
Piilani Hwy near Lipoa Pkwy	31	6.97	(NA)	(NA)	31,500
Hana Hwy near Central Power Plant Rd	36	1.70	(NA)	(NA)	33,500
Hana Hwy near Baldwin Park	36	6.28	17,400	17,300	17,600
Keolani Pl near Palapala Dr	36A	0.51	(NA)	(NA)	14,400
Kaleakala Hwy near North Firebreak Rd	37	0.61	(NA)	(NA)	28,800
North Kihei Hwy near 9th St	310	0.86	(NA)	(NA)	15,000
Mokulele Hwy near Nakii Rd	311	2.38	(NA)	(NA)	30,000
Kuihelani Hwy near Mauilani Pkwy	380	1.52	(NA)	(NA)	21,900

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2010 TO 2012 -- Con.

Site	Route	Milepoint	2010	2011	2012
Kauai					
Kaumualii Hwy near Nani St	50	1.51	(NA)	(NA)	23,600
Kaumualii Hwy at Pune'e Rd	50	8.35	(NA)	13,600	13,800
Kaumualii Hwy near Alawai Rd	50	22.37	(NA)	(NA)	10,600
Rice St near Moko'i St	51	0.79	(NA)	13,800	13,900
Kuhio Hwy near Huilei Rd	56	2.40	(NA)	(NA)	14,700
Kuhio Hwy northwest of Kolo Rd and Kalamania Rd	56	23.53	13,000	13,500	13,800
Nawiliwili Rd near Kanani St	58	1.44	(NA)	(NA)	11,900
Akuhuni Rd near Palai St	570	0.31	(NA)	(NA)	11,400

NA Not available.

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

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

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU
URBANIZED AREA: 2008 TO 2011**

Subject	2008	2009	2010	2011
Population (1,000s)	705	709	713	719
Peak travelers (1,000s)	390	393	397	402
Daily vehicle-miles of travel (1,000s)				
Freeway	6,150	1/ 6,200	1/ 6,213	6,265
Arterial streets	3,095	1/ 3,100	1/ 3,110	3,148
Cost components				
Value of time (\$/hour)	16.10	16.01	16.30	16.79
Commercial cost (\$/hour)	81.52	89.75	88.12	86.81
Gasoline (\$/gallon)	3.74	2.87	3.47	3.66
Diesel (\$/gallon)	4.34	3.86	4.04	4.43
Congested system (percent of lane-miles)	48	49	51	52
Annual excess fuel consumed 2/				
Total fuel (1,000 gallons)	1/ 11,850	1/ 12,573	1/ 11,204	11,298
Fuel per peak auto commuter (gallons)	1/ 24	1/ 28	1/ 24	24
Annual delay 3/				
Total delay (1,000s of person-hours)	1/ 19,358	1/ 19,816	1/ 20,699	20,873
Delay per peak auto commuter (person-hours) 4/	1/ 42	1/ 42	1/ 45	45
Congestion cost 5/				
Total cost (\$ million)	1/ 391	1/ 404	1/ 423	427
Cost per peak auto commuter (\$)	1/ 873	1/ 888	1/ 920	928

1/ Revised from previous *Data Book* .

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

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 2011 (estimated at \$16.79 per hour of person travel and \$86.81 per hour of truck time) and excess gasoline consumption (passenger vehicles) and diesel (trucks) estimated using state average cost per gallon.

Source: Texas Transportation Institute, *2012 Annual Urban Mobility Report*
<<http://mobility.tamu.edu/ums/report/>> accessed June 13, 2013.

Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1995 TO 2011, AND BY COUNTY, 2010 AND 2011

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	8,258	102	6,430	107
2009	7,373	99	5,783	109
2010	3/ 7,929	107	3/ 6,434	3/ 111
2011	4/ 2,758	4/ 98	4/ 2,265	4/ 101
COUNTY: 2010				
Honolulu	3/ 5,239	59	3/ 4,300	60
Hawaii	3/ 1,401	27	3/ 825	3/ 29
Kauai	3/ 440	9	3/ 395	10
Maui	3/ 849	12	3/ 914	12
COUNTY: 2011				
Honolulu	4/ 2,440	4/ 49	4/ 2,002	4/ 51
Hawaii	4/ 68	4/ 24	4/ 42	4/ 24
Kauai	4/ 231	4/ 6	4/ 214	4/ 6
Maui	4/ 19	4/ 19	4/ 7	4/ 20

1/ Effective 1991, includes only accidents with damage of \$1,000 or more or causing injury or death.
 Effective June 20, 1995, includes only accidents with damage of \$3,000 or more or causing injury or death.

2/ 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.

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: 2009 TO 2011

[Blood alcohol concentration (BAC) is measured in grams per deciliter (g/dl), one deciliter = 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
2009, State total	139	83	59	56	41	7	5	49	35
Hawaii	36	19	53	17	48	-	1	17	47
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	42
2010, State total	152	105	69	47	31	6	4	42	27
Hawaii	44	29	66	15	34	-	1	14	33
Honolulu	72	47	65	25	35	5	7	20	28
Kauai	16	12	75	4	25	-	-	4	25
Maui	20	17	84	3	17	-	-	3	17
2011, State total	140	90	64	50	36	7	5	43	31
Hawaii	31	16	52	15	48	3	11	12	37
Honolulu	77	58	75	19	25	3	4	16	21
Kauai	9	5	56	4	44	1	11	3	33
Maui	23	11	47	12	53	-	1	12	53

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 June 18, 2013.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:
2010 TO 2012**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2010	2011	2012	2010	2011	2012
Hawaii	197	205	202	6,059	5,551	5,089
Maui	3/ 161	3/ 360	(NA)	4,362	4,986	(NA)
Lanai	(NA)	(NA)	(NA)	33	17	(NA)
Molokai	(NA)	(NA)	(NA)	15	30	(NA)
Oahu	1,609	1,959	1,632	339,005	4/ 373,856	406,296
Kauai 5/	-	-	-	2,928	2,850	2,782

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/ Revised from previous *Data Book*.

5/ 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:
2010 TO 2012**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
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
2011					
State total	1,629	5,815	141,379	6,245	31,185
Hawaii	276	908	22,700	1,315	5,154
Maui	224	965	24,100	979	3,910
Honolulu	1,043	3,651	87,595	3,352	20,553
Kauai	86	291	6,984	599	1,568
2012					
State total	1,711	6,193	147,875	6,101	31,085
Hawaii	292	950	22,486	1,350	5,278
Maui	234	1,011	24,820	924	3,875
Honolulu	1,095	3,928	93,407	3,251	19,931
Kauai	90	304	7,162	576	2,001

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 2012

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

Year	Number of buses 1/	Bus mileage 2/	Total passengers 3/	Revenues (dollars)
1993	470	18,120,044	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	496	21,558,149	67,406,827	39,925,419
2006	499	21,166,957	70,384,355	41,531,437
2007	524	21,075,502	71,749,376	41,742,352
2008	528	21,536,584	69,759,954	41,984,132
2009	530	21,502,920	77,329,706	42,454,923
2010	530	21,324,615	73,158,633	45,874,670
2011	516	21,378,394	73,832,127	51,721,436
2012	515	21,233,308	76,296,482	54,774,006

1/ Number of buses refers to number of buses in active fleet.

2/ Estimated number of vehicle miles.

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

4/ Bus strike for 34 days.

Source: City and County of Honolulu, Department of Transportation Services, Public Transit Division, records.

**Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU:
1971 TO 2013**

[As of July 1, 2013. 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 18, 2013.

**Table 18.27-- AIRPORTS AND HELIPORTS, BY CONTROL,
BY ISLAND: 2012**

[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 2011

[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
2010	202,150	8,633,599	25
2011	206,789	8,598,902	27

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/about/office_org/headquarters_offices/apl/aviation_forecasts/taf_reports/> accessed June 24, 2013.

Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2010 TO 2012

[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
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
2011					
Honolulu International	263,340	148,234	57,417	43,733	13,956
Kahului	121,962	38,078	62,151	18,646	3,087
Kona International	109,456	24,203	18,086	49,420	17,747
Lihue	100,487	23,359	47,679	24,281	5,168
Hilo International	78,003	14,213	38,459	12,815	12,516
Molokai	30,056	-	21,038	6,539	2,479
Kalaeloa	123,219	1	12	96,063	27,143
2012					
Honolulu International	278,145	155,904	63,550	44,519	14,172
Kahului	130,010	43,374	65,872	18,418	2,346
Kona International	116,654	22,789	24,799	55,727	13,339
Lihue	118,431	28,522	62,482	23,746	3,681
Hilo International	79,064	14,919	40,794	14,710	8,641
Molokai	34,672	-	26,475	6,352	1,845
Kalaeloa	121,114	-	54	98,175	22,885

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

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2012**

[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
2011	263,354	78,687	111,968	122,449	100,487	30,274
2012	278,145	79,064	116,654	130,010	118,431	34,672

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: 2001 TO 2012**

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

Service	2001	2002	2003	2004	2005	2006
All carriers	43	44	43	43	43	42
Transpacific only	29	30	30	32	32	32
Domestic	13	13	14	13	13	14
Foreign	16	17	16	19	19	18
Transpacific and interisland	2	3	2	2	2	2
Interisland only	12	11	11	9	9	8
Passenger carriers	4	4	4	4	4	4
Cargo and mail only	8	7	7	5	5	4
Service	2007	2008	2009	2010	2011	2012
All carriers	39	37	39	33	37	38
Transpacific only	30	28	30	24	1/ 26	28
Domestic	14	13	12	11	13	17
Foreign	16	15	18	13	14	12
Transpacific and interisland	2	2	1	2	1	1
Interisland only	7	7	8	7	10	9
Passenger carriers	3	3	3	4	6	6
Cargo and mail only	4	4	5	3	4	3

1/ Revised from previous *Data Book*.

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

**Table 18.32-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR
ARRIVING FLIGHTS: 2010 TO 2012**

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

Airport	2010	2011	2012
State of Hawaii	9,190,240	9,275,822	10,071,160
Honolulu International	6,389,166	6,444,098	6,998,154
Kahului	1,680,120	1,688,594	1,791,027
Kona International	668,661	586,914	633,786
Hilo International	-	37,052	59,163
Lihu'e	452,293	519,164	589,030
Domestic	6,668,392	6,559,011	6,890,742
International	2,521,848	2,716,811	3,180,418

Source: Hawaii Tourism Authority, Tourism Research, *Final Monthly Visitors Statistics 2010*;
Hawaii Tourism Authority, Tourism Research, *Final Monthly Visitors Statistics 2011* and
Hawaii Tourism Authority, Tourism Research, *Monthly Visitor Statistics, December 2012*
<http://www.hawaiitourismauthority.org/index.cfm?page=tourism_research&level1=tourism_research>
accessed May 28, 2013.

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: 2007 TO 2010**

Subject	2007	2008	2009	2010
Operating aircraft (year-end)	29	32	33	(NA)
Employees (full-time equivalents)	3,105	3,190	3,600	3,600
Aircraft departures (thousands) 1/	57	65	74	(NA)
Passengers enplaned (millions) 2/	7.1	7.8	8.3	8.4
Revenue passenger miles (billions) 2/	7.9	7.8	8.1	8.7
Cargo revenue ton miles (millions) 1/	70.0	76.7	75.0	84.0

NA Not available.

1/ All services.

2/ Scheduled services only.

Source: Airlines for America, *Economic Report* (annual) <<http://www.airlines.org/Pages/A4A-Economic-Reports-of-the-U.S.-Airline-Industry.aspx>> accessed June 18, 2013.

Table 18.35-- RANK OF HAWAII LOCATIONS AMONG THE TOP DOMESTIC AIRLINE MARKETS: 2007 TO 2010

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
2010			
11	Honolulu - Maui	1,895	59.89

1/ Includes government-imposed taxes and fees.

Source: Airlines for America, *Economic Report* (annual) <<http://www.airlines.org/Pages/A4A-Economic-Reports-of-the-U.S.-Airline-Industry.aspx>> accessed June 18, 2013.

**Table 18.36-- OVERSEAS AND INTER-ISLAND AIR PASSENGER
MOVEMENTS: 1988 TO 2012**

[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
2011	8,503,087	8,428,828	45,913	6,658,445
2012	9,178,412	9,190,908	15,578	7,018,163

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: 2012

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
OVERSEAS						
Total	9,190,908	9,178,412	141,099	195,018	19,460	49,308
Honolulu	6,436,397	6,402,263	134,908	183,553	17,305	41,818
Kahului	1,624,470	1,618,644	1,687	7,996	658	3,596
Kona 2/	560,195	584,615	4,456	2,924	1,497	3,894
Lihue	519,205	527,959	45	540	-	-
Hilo	50,641	44,931	4	6	-	-
INTERISLAND						
Total	7,018,163	7,018,163	64,965	64,965	12,302	12,302
Honolulu	3,227,434	3,209,740	39,801	24,741	8,701	3,574
Kahului	1,332,091	1,350,847	4,668	11,473	1,690	4,221
Kona 2/	852,844	844,281	3,293	7,562	860	2,051
Lihue	808,986	802,893	3,991	10,037	-	35
Hilo	621,149	632,638	12,729	8,932	1,052	2,421
Molokai	84,653	86,703	199	664	-	-
Lanai	45,146	45,365	81	804	-	-
Kapalua	42,549	42,028	174	583	-	-
Kalaupapa	87	86	29	168	-	-
Hana	3,219	3,566	-	-	-	-
Waimea-Kohala	5	16	-	-	-	-

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 2012

[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
2011	231,234	367,534	42,326	95,390	130,115	29,554
2012	282,198	390,037	38,920	98,617	129,929	24,605

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

**Table 18.39-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,
BY DESTINATION: JULY 2012**

[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	980	Canada	19
		Vancouver	19
U.S.	755	Japan	133
West	684	Fukuoka	14
Anchorage	7	Nagoya	14
Bellingham	7	Osaka	21
Denver	12	Tokyo - Haneda	21
Fresno	1	Tokyo - Narita	63
Las Vegas	22	Other Asia	30
Los Angeles	263	Seoul	28
Oakland	42	Shanghai	2
Phoenix	57	Oceania	20
Portland	24	Auckland	3
Sacramento	17	Sydney	17
Salt Lake City	7	Other	23
San Diego	25	Apia	1
San Francisco	100	Christmas Island	1
San Jose	40	Guam	7
Seattle	60	Majuro	3
East	71	Manila	7
Atlanta	7	Nadi	1
Chicago	15	Pago Pago	2
Dallas / Fort Worth	21	Papeete	1
Houston	7		
New York	7		
Newark	7		
Washington, D.C.	7		

Source: Diio - Mi[®], Hawai'i Tourism Authority, Tourism Research.

**Table 18.40-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY
HAWAIIAN AIRLINES: 2008 TO 2012**

[As of July 1]

Category	2008	2009	2010	2011	2012
Regular fare	170.00	218.10	191.20	191.20	191.30
Lowest capacity-controlled fare	1/ 70.00	54.10	74.20	90.20	95.30

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 2012

[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 1/	386	398	373	403	475	494	555
2003 1/	346	345	378	426	444	518	558
2004 1/	361	376	412	425	431	566	530
2005 1/	370	372	405	399	444	578	567
2006 1/	372	373	430	432	470	627	600
2007 1/	395	385	432	405	420	604	610
2008 1/	476	480	508	454	448	693	682
2009 1/	441	425	448	388	388	681	723
2010 1/	429	416	449	400	407	719	679
2011 1/	507	490	468	424	478	835	708
2012	510	470	471	489	511	820	782

1/ Due to a change in source, data from 2002-2011 have been revised from previous *Data Book*.

Source: United States Department of Transportation, Origin and Destination data from Diio - Mi[®].

Table 18.42-- STATE COMMERCIAL HARBORS: 2012

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							
Kaunapala	60	20-60	(NA)	(NA)	400	-	100
Oahu							
Honolulu	} 45	40	{ 3,300	1,520	} 29,872	1,208	9,030
Main							
Kapalama							
Kalaheo	} 42	38	2,100	1,800	2,990	36	1,838
Barbers Point							
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: 2011

[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 2011, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wcsc/webpub11/webpubpart-4.htm>> accessed June 24, 2013.

**Table 18.44-- SMALL CRAFT MOORING FACILITIES,
BY ISLAND: DECEMBER 31, 2012**

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				Lighthouses	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, 2012**

Subject	Number	Subject	Number
Registered vessels	13,328	Type of vessel:	
Length		Aux. powered sailing vessel	1,062
Under 16 feet	4,519	Cabin motorboat	2,340
16 to less than 26 feet	6,856	Open motorboat	5,322
26 to less than 40 feet	1,724	Runabout	2,131
40 to 65 feet	219	Sail only	567
Over 65 feet	10	Houseboat	4
Hull material		Motor vessel over 65 feet in length	12
Aluminum	463	Thrill craft	1,246
Fiberglass / plastic	11,764	Other	644
Rubber / fabric	483	Uses:	
Wood	480	Pleasure	12,282
Other	113	Commercial fishing	292
Steel	25	Charter fishing	13
Unknown	-	Commercial passenger	227
Propulsion		Other commercial	106
Inboard	3,481	Livery	62
Outboard	5,047	Dealer	11
Inboard / outboard	1,765	Manufacturer	4
Sail / inboard	644	Youth group - fee exempt	81
Sail / outboard	481	Government - fee exempt	230
Sail only	474	Other	20
Manual	75	Island where vessel is kept:	
Other	57	Hawaii	2,374
Unknown	-	Kauai	1,400
Waterjet	1,304	Lanai	65
Mooring location		Maui	1,450
Moored on water	2,902	Molokai	181
Moored on land	10,426	Oahu	7,858
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 2012**

[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	2005	15,302
1998	15,138	2006	15,015
1999	15,481	2007	15,094
2000	14,874	2008	16,744
2001	14,273	2009	15,709
2002	15,445	2010	14,847
2003	15,587	2011	14,073
2004	17,130	2012	13,328

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 2012

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)
2011	28	6	6	1	32	55.4
2012	32	5	5	7	35	242.9

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: 2010 AND 2011

[Excludes domestic fishing craft]

Harbor	2010			2011		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	737	542	195	1,009	632	377
Kawaihae	644	643	1	2,493	548	1,945
Kahului	987	860	127	1,650	1,229	421
Barbers Point	899	779	120	823	700	123
Honolulu	3,408	2,757	651	4,431	3,519	912
Nawiliwili	579	467	112	2,733	523	2,210
Kaunakakai	211	211	-	114	114	-
Port Allen	25	25	-	25	25	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2010, 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 2011, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.navigationdatacenter.us/wcsc/webpub11/webpubpart-4.htm>> accessed June 24, 2013.

Table 18.50-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1985 TO 2012

[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
2011 1/ 2/	884	6,487,533	2,390	3,220,416
2012 1/ 2/	976	6,781,058	2,705	3,162,839

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.

2/ Increase in cargo volume for inter-island due to new tariff structure effective March 2010. Cargo volume has been adjusted to pre-March 2010 tariff structure.

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

**Table 18.51-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,
FOR HONOLULU HARBOR: 2007 TO 2012**

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

Type of passenger	2007	2008	2009	2010	2011	2012
In	469,054	390,274	222,460	213,304	420,649	240,245
Out	487,063	388,300	222,661	213,468	778,405	269,359

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

**Table 18.52-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1993 TO 2011**

[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
2009	1,088	1,112	2,139	9,670	9,161	951
2010	1,135	1,050	2,114	9,171	8,903	877
2011	1,984	1,811	3,504	9,800	12,658	1,667

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2011, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wcsc/webpub11/webpubpart-4.htm>> accessed June 24, 2013 and other annuals.

**Table 18.53-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,
FOR SPECIFIED HARBORS: 2011**

[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	1,984	1,811	3,504	9,800	12,658	1,667
Foreign						
Inbound	13	-	15	7,594	698	10
Outbound	-	-	-	250	237	-
Canadian						
Inbound	-	-	-	147	21	-
Outbound	-	-	-	7	125	-
Domestic						
Coastwise	1,972	1,811	3,489	1,803	11,577	1,657
Receipts	1,340	1,117	2,218	337	6,320	1,137
Shipments	632	694	1,272	1,466	5,257	520
Internal, inbound, upbound	-	-	-	-	-	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2011, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wsc/webpub11/webpubpart-4.htm>> accessed June 24, 2013.

**Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2011**

[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	1,984	13	-	-	-	1,972	1,340	632	-
Petroleum and petroleum products	476	13	-	-	-	464	464	-	-
Primary manufactured goods	24	-	-	-	-	24	20	4	-
Food and farm products	39	-	-	-	-	39	21	17	-
Manufactured equipment, machinery and products	1,409	-	-	-	-	1,409	809	600	-
Kawaihae	1,811	-	-	-	-	1,811	1,117	694	-
Petroleum and petroleum products	1	-	-	-	-	1	1	-	-
Primary manufactured goods	36	-	-	-	-	36	32	4	-
Food and farm products	94	-	-	-	-	94	65	29	-
Manufactured equipment, machinery and products	1,650	-	-	-	-	1,650	1,001	649	-
Kahului	3,504	15	-	-	-	3,489	2,218	1,272	-
Petroleum and petroleum products	510	15	-	-	-	495	493	2	-
Primary manufactured goods	38	-	-	-	-	38	32	6	-
Food and farm products	278	-	-	-	-	278	100	178	-
Manufactured equipment, machinery and products	2,572	-	-	-	-	2,572	1,560	1,011	-
Barbers Point	9,800	7,594	250	147	7	1,803	337	1,466	-
Petroleum and petroleum products	8,209	6,443	131	29	7	1,600	223	1,377	-
Primary manufactured goods	369	275	-	-	-	94	34	60	-
Food and farm products	(2/)	(2/)	-	-	-	-	-	-	-
Manufactured equipment, machinery and products	3	(2/)	-	-	-	3	2	1	-
Honolulu	12,658	698	237	21	125	11,577	6,320	5,257	-
Petroleum and petroleum products	1,062	526	49	-	125	363	268	95	-
Primary manufactured goods	326	28	38	-	-	260	203	58	-
Food and farm products	1,569	68	58	11	-	1,433	1,055	377	-
Manufactured equipment, machinery and products	9,138	56	11	-	-	9,071	4,432	4,639	-

Continued on next page.

**Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2011 -- Con.**

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Nawiliwili	1,667	10	-	-	-	1,657	1,137	520	-
Petroleum and petroleum products	109	10	-	-	-	100	98	2	-
Primary manufactured goods	28	-	-	-	-	28	22	6	-
Food and farm products	27	-	-	-	-	27	22	5	-
Manufactured equipment, machinery and products	1,489	-	-	-	-	1,489	990	499	-

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 2011, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wsc/webpub11/webpubpart-4.htm>> accessed June 24, 2013.

Table 18.55-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED CODES: 2011

[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	969	23,758	1,013,357	42,653
481	Air transportation	79	7,152	369,793	51,705
4811	Scheduled air transportation	53	6,916	357,502	51,693
4812	Nonscheduled air transportation	26	236	12,291	52,044
483	Water transportation	22	1,728	99,262	57,440
484	Truck transportation	212	3,070	119,261	38,853
4841	General freight trucking	106	1,607	66,642	41,476
4842	Specialized freight trucking	106	1,463	52,619	35,971
485	Transit & ground passenger transp.	124	2,333	51,046	21,884
4854	School & employee bus transp.	19	1,133	22,961	20,258
4859	Other ground passenger transp.	50	829	18,255	22,034
487	Scenic & sightseeing transportation	204	3,671	111,645	30,417
4871	Scenic & sightseeing transp., land	41	1,593	44,112	27,700
4872	Scenic & sightseeing transp., water	139	1,669	47,835	28,662
4879	Scenic & sightseeing transp., other	24	409	19,698	48,152
488	Support activities for transportation	208	3,702	178,523	48,220
4881	Support activities for air transp.	57	1,783	58,280	32,683
4883	Support activities for water transp.	26	1,091	91,004	83,452
4884	Support activities for road transp.	46	306	6,218	20,349
4885	Freight transportation arrangement	72	425	19,473	45,783
4889	Other support activities for transp.	7	98	3,548	36,324
491	Postal service	6	19	364	19,263
492	Couriers & messengers	74	1,446	57,208	39,558
4921	Couriers and express delivery services	41	1,305	53,077	40,665
4922	Local messengers and local delivery	33	141	4,131	29,312
493	Warehousing & storage	41	638	26,255	41,157

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2011*, table 10 <<http://www.bls.gov/cew/cewbuln11.htm>> accessed June 25, 2013.

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.