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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: 2013**

| 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: 2013 -- 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> accessed on July 16, 2013 and records.

Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLAND: 2011 TO 2013

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

| Island | Total mileage | Paved | | Unpaved |
|-------------|---------------|----------|----------|---------|
| | | Freeways | Other | |
| 2011 | | | | |
| State total | 4,405.15 | 88.55 | 4,144.19 | 172.41 |
| Hawaii | 1,487.71 | - | 1,428.41 | 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 | - | - | - | - |
| 2013 | | | | |
| State total | 4,430.13 | 88.53 | 4,169.19 | 172.41 |
| Hawaii | 1,495.79 | - | 1,436.49 | 59.30 |
| Maui | 642.58 | - | 585.88 | 56.70 |
| Lanai | 47.80 | - | 33.80 | 14.00 |
| Molokai | 136.13 | - | 124.13 | 12.00 |
| Oahu | 1,668.14 | 88.53 | 1,571.69 | 7.92 |
| Kauai | 439.69 | - | 417.20 | 22.49 |
| Niihau | - | - | - | - |

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

Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2013

| 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: 2008 TO 2013

| Area | Number of bridges | Deficient and obsolete | | | | | |
|--------|-------------------|------------------------|---------|---------------------------|---------|--------------------------|---------|
| | | Total | | Structurally deficient 1/ | | Functionally obsolete 2/ | |
| | | Number | Percent | Number | Percent | Number | Percent |
| 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 |
| 2013 | | | | | | | |
| U.S. | 607,751 | 147,870 | 24.3 | 63,522 | 10.5 | 84,348 | 13.9 |
| Hawaii | 1,125 | 494 | 43.9 | 144 | 12.8 | 350 | 31.1 |

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

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

Source: U.S. Department of Transportation, Federal Highway Administration, Structures, Deficient Bridges by State and Highway System <<http://www.fhwa.dot.gov/bridge/deficient.cfm>> accessed June 20, 2014; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2013

| 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:
2003 TO 2013**

[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 |
| 2013 | 1,371,341 | 1,341,152 | 1,089,709 | 98 | 2,669 |
| | | 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 |
| 2013 | 203,790 | 1,329 | 2,377 | 41,180 | 30,189 |

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 2013**

[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 |
| 2013 | 1,341,152 | 848,567 | 208,624 | 90,351 | 193,610 |

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

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,
BY COUNTY: 2013**

[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 | 1,371,341 | 861,869 | 217,485 | 94,022 | 197,965 |
| Motor vehicles | 1,341,152 | 848,567 | 208,624 | 90,351 | 193,610 |
| Passenger vehicles 1/ | 1,089,709 | 708,090 | 161,452 | 65,452 | 154,715 |
| Ambulances | 98 | 59 | 15 | 8 | 16 |
| Buses | 2,669 | 2,119 | 293 | 56 | 201 |
| Trucks 1/ | 203,790 | 107,670 | 40,599 | 22,258 | 33,263 |
| Truck tractors | 1,329 | 693 | 203 | 358 | 75 |
| Truck cranes | 2,377 | 2,117 | 133 | 51 | 76 |
| Motorcycles, motorscooters 2/ | 41,180 | 27,819 | 5,929 | 2,168 | 5,264 |
| Trailers and semi-trailers | 30,189 | 13,302 | 8,861 | 3,671 | 4,355 |

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: 2013**

[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 | 1,299,972 | 820,748 | 202,695 | 88,183 | 188,346 |
| Taxable vehicles | 1,177,942 | 704,224 | 200,375 | 87,076 | 186,267 |
| Exempt vehicles | 122,030 | 116,524 | 2,320 | 1,107 | 2,079 |
| Federal government | 438 | 429 | 7 | - | 2 |
| State government | 6,442 | 6,441 | - | - | 1 |
| County government | 7,655 | 4,828 | 1,020 | 626 | 1,181 |
| Fire department | 323 | 61 | 140 | 58 | 64 |
| Police department | 1,829 | 1,294 | 407 | 6 | 122 |
| Consulates | 57 | 54 | 2 | - | 1 |
| Disabled veterans | 302 | 45 | 249 | 7 | 1 |
| Military non-resident | 96,311 | 95,906 | 77 | 230 | 98 |
| Farm | 123 | 36 | 53 | 1 | 33 |
| Horseless carriage | 85 | 64 | 9 | 12 | - |
| Electric vehicles | 2,240 | 1,674 | 109 | 70 | 387 |
| National Guard | 6,225 | 5,692 | 247 | 97 | 189 |

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

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTY: 2012**

[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 | 447,748 | 64,925 | 308,072 | 22,569 | 52,120 |
| None | 37,417 | 2,541 | 31,877 | 799 | 2,200 |
| 1 | 160,099 | 25,104 | 108,509 | 6,704 | 19,741 |
| 2 | 156,981 | 24,796 | 104,413 | 9,031 | 18,720 |
| 3 | 59,523 | 8,501 | 40,066 | 3,273 | 7,683 |
| 4 or more | 33,728 | 3,983 | 23,207 | 2,762 | 3,776 |

Source: U.S. Census Bureau, 2012 American Community Survey 1-Year Estimates
<<http://www.census.gov/acs/www/>> accessed June 20, 2014.

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 LIGHT VEHICLE REGISTRATIONS:
1989 TO 2013**

| Year | Number | Year | Number | Year | Number |
|------|--------|------|--------|------|-----------|
| 1989 | 57,456 | 1998 | 40,673 | 2007 | 1/ 54,492 |
| 1990 | 54,544 | 1999 | 45,054 | 2008 | 1/ 41,184 |
| 1991 | 47,783 | 2000 | 51,500 | 2009 | 1/ 32,888 |
| 1992 | 44,865 | 2001 | 51,388 | 2010 | 1/ 32,668 |
| 1993 | 45,249 | 2002 | 53,314 | 2011 | 1/ 35,591 |
| 1994 | 44,175 | 2003 | 62,712 | 2012 | 1/ 42,506 |
| 1995 | 41,083 | 2004 | 65,882 | 2013 | 48,766 |
| 1996 | 41,480 | 2005 | 70,268 | | |
| 1997 | 42,487 | 2006 | 67,224 | | |

1/ Data revised from previous *Data Book*.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer 2014 First Quarter Edition* and previous editions.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 2011 TO 2013**

| Nameplate | 2011 1/ | 2012 2/ | 2013 |
|------------------|----------------|----------------|-------------|
| Total | 37,086 | 42,506 | 48,766 |
| Toyota/Scion | 9,442 | 11,402 | 12,461 |
| Honda | 4,814 | 5,583 | 7,144 |
| Nissan | 4,051 | 4,259 | 4,941 |
| Ford | 3,024 | 3,145 | 4,048 |
| Mazda | 1,302 | 1,518 | 1,879 |
| Hyundai | 1,644 | 1,899 | 1,830 |
| Chevrolet | 1,688 | 1,833 | 1,778 |
| BMW | 1,120 | 1,196 | 1,568 |
| Kia | 1,201 | 1,310 | 1,461 |
| Lexus | 1,241 | 1,237 | 1,351 |
| Dodge | 615 | 777 | 1,174 |
| Jeep | 657 | 894 | 1,089 |
| Subaru | 530 | 607 | 1,063 |
| Mercedes | 970 | 1,081 | 1,052 |
| Volkswagen | 732 | 1,024 | 1,029 |
| Acura | 532 | 851 | 957 |
| MINI | 510 | 562 | 504 |
| GMC | 430 | 442 | 443 |
| Ram | 297 | 346 | 416 |
| Audi | 352 | 432 | 407 |
| Chrysler | 188 | 322 | 315 |
| Infiniti | 332 | 310 | 274 |
| Cadillac | 141 | 158 | 264 |
| Volvo | 236 | 220 | 177 |
| Telsa | (NA) | 7 | 167 |
| Porsche | 129 | 143 | 162 |
| Mitsubishi | 202 | 172 | 159 |
| Land Rover | 88 | 117 | 132 |
| Fiat | 86 | 164 | 119 |
| Buick | 90 | 105 | 92 |
| Lincoln | 55 | 71 | 86 |
| Jaguar | 64 | 52 | 35 |
| All others | 323 | 267 | 189 |

NA Not available

1/ Data for 2011 has been revised with total of 35,591 but specific breakdown not published.

2/ Revised from previous *Data Book*.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer, 2012 First Quarter and 2013 First Quarter and 2014 First Quarter Edition*.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2011 TO 2013**

| Type and place of manufacture | 2011 1/ | 2012 2/ | 2013 |
|--------------------------------------|----------------|----------------|-------------|
| Total | 37,086 | 42,506 | 48,766 |
| Car | 18,357 | 21,925 | 24,787 |
| Light truck | 18,729 | 20,581 | 23,979 |
| Chrysler, Ford, General Motors | 7,187 | 8,105 | 9,880 |
| Japanese | 22,675 | 26,063 | 30,285 |
| European | 4,379 | 5,129 | 5,310 |
| Korean | 2,845 | 3,209 | 3,291 |

1/ Data for 2011 has been revised with total of 35,591 but specific breakdown not published.

2/ Revised from previous *Data Book*.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2012 First Quarter, 2013 First Quarter and 2014 First Quarter Edition.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:
1991 TO 2013**

[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 |
| 2013 | 904,500 | 612,380 | 128,537 | 52,998 | 110,585 |

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

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE
AND SEX: 2012 AND 2013**

[As of December 31]

| Years of age | Both sexes | | Male | | Female | |
|--------------|------------|---------|---------|---------|---------|---------|
| | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 |
| Total | 910,265 | 904,500 | 474,079 | 469,710 | 436,186 | 434,790 |
| 15 to 19 | 24,453 | 23,805 | 12,945 | 12,443 | 11,508 | 11,362 |
| 20 to 24 | 70,665 | 67,544 | 37,617 | 35,962 | 33,048 | 31,582 |
| 25 to 29 | 81,404 | 76,398 | 42,406 | 39,716 | 38,998 | 36,682 |
| 30 to 34 | 83,578 | 83,705 | 43,014 | 42,737 | 40,564 | 40,968 |
| 35 to 39 | 77,309 | 77,098 | 39,399 | 39,536 | 37,910 | 37,562 |
| 40 to 44 | 82,191 | 80,471 | 42,512 | 41,482 | 39,679 | 38,989 |
| 45 to 49 | 83,343 | 81,215 | 43,028 | 41,762 | 40,315 | 39,453 |
| 50 to 54 | 87,700 | 87,052 | 45,483 | 45,062 | 42,217 | 41,990 |
| 55 to 59 | 86,872 | 86,760 | 44,755 | 44,530 | 42,117 | 42,230 |
| 60 to 64 | 79,160 | 80,321 | 41,531 | 41,874 | 37,629 | 38,447 |
| 65 to 69 | 62,042 | 65,368 | 32,902 | 34,513 | 29,140 | 30,855 |
| 70 to 74 | 38,474 | 41,633 | 20,574 | 22,196 | 17,900 | 19,437 |
| 75 to 79 | 24,218 | 24,448 | 12,649 | 12,715 | 11,569 | 11,733 |
| 80 to 84 | 17,242 | 16,825 | 8,706 | 8,559 | 8,536 | 8,266 |
| 85 to 89 | 9,133 | 9,283 | 4,984 | 4,994 | 4,149 | 4,289 |
| 90 to 94 | 2,280 | 2,353 | 1,442 | 1,478 | 838 | 875 |
| 95 to 99 | 201 | 221 | 132 | 151 | 69 | 70 |

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

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1992 TO 2013, AND BY COUNTY, 2012 AND 2013

| 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 |
| 2013 | 523,856 | 391 | 12,078.2 | 9,006 |
| 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 |
| COUNTY: 2013 | | | | |
| Honolulu | 318,109 | 375 | 7,387.8 | 8,706 |
| Hawaii | 93,952 | 450 | 2,025.4 | 9,708 |
| Kauai | 44,344 | 491 | 948.7 | 10,500 |
| Maui | 67,451 | 348 | 1,716.2 | 8,864 |

Continued on next page.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1992 TO 2013, AND BY COUNTY, 2012 AND 2013 -- 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: 2011 TO 2013

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

| Site | Route | Milepoint | 2011 | 2012 | 2013 |
|--|-------|-----------|---------|---------|---------|
| Oahu | | | | | |
| H-1 west of Kualalalai Pkwy overpass | H-1 | 3.41 | 85,300 | 86,200 | 87,900 |
| H-1 west of Kaonohi St overpass | H-1 | 11.74 | 236,900 | 235,400 | 232,300 |
| H-1 at Halawa Stream bridge | H-1 | 13.54 | 122,400 | 107,400 | 106,600 |
| H-1 at airport off-ramp | H-1 | 16.22 | 97,100 | 96,300 | 95,600 |
| H-1 west of King St tunnel | H-1 | 18.77 | 58,700 | 59,800 | 58,500 |
| H-1 at Kalihi interchange | H-1 | 19.27 | 158,800 | 159,000 | 158,400 |
| H-1 at Kapalama drainage canal bridge | H-1 | 20.24 | 201,600 | 173,200 | 173,500 |
| H-1 at McCully St overpass | H-1 | 23.55 | 132,600 | 132,500 | 133,100 |
| H-1 at Manoa-Palolo drainage canal | H-1 | 24.60 | 106,200 | 105,900 | 107,600 |
| H-2 south of Pineapple Rd overpass | H-2 | 4.02 | 93,400 | 93,000 | 94,000 |
| H-3 west of North Halawa Valley bridge | H-3 | 1.28 | 47,400 | 47,000 | 47,400 |
| H-3 west of Kamehaha Hwy interchange | H-3 | 10.37 | 26,500 | 26,200 | 26,500 |
| Moanalua Freeway west of Kahuapaani St overpass | H-201 | 0.21 | 62,300 | 44,100 | 45,200 |
| Moanalua Freeway west of Moanalua St bridge | H-201 | 3.19 | 139,100 | 98,900 | 97,600 |
| Pali Hwy at tunnels | 61 | 5.69 | 42,300 | 42,200 | 41,800 |
| Likelike Hwy north of Valley View Drive | 63 | 2.96 | 29,000 | 29,000 | 30,000 |
| Sand Island Parkway north of Pascule bridge | 64 | 1.41 | 13,600 | 12,700 | 12,500 |
| Kalaniana'ole Hwy east of Ainakoa Ave | 72 | 18.32 | 82,200 | 81,900 | 82,200 |
| Kamehameha Hwy at Wilson Bridge | 80 | 0.01 | 47,300 | 47,200 | 47,200 |
| Kamehameha Hwy 1.6 miles northeast of Johnson Rd | 83 | 30.59 | 11,300 | 11,700 | 11,900 |
| Nimitz Hwy east of Sand Island Access Rd | 92 | 4.04 | 63,300 | 58,500 | 59,000 |
| Farrington Hwy at Makaha bridge #2 | 93 | 12.50 | 18,800 | 18,100 | 18,400 |
| Kalaeloa Blvd south of H-1 on-ramp | 95 | 0.20 | 35,500 | 32,500 | 33,200 |

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2011 TO 2013 -- Con.

| Site | Route | Milepoint | 2011 | 2012 | 2013 |
|--|-------|-----------|--------|--------|--------|
| Oahu con. | | | | | |
| Kamehameha Hwy at Kalauao bridge | 99 | 20.67 | 53,300 | 52,300 | 53,300 |
| Kunia Rd near Kunia Dr | 750 | 4.81 | (NA) | 13,500 | 14,100 |
| Hawaii | | | | | |
| Volcano Rd near Ikaika St | 11 | 5.29 | 39,300 | 39,200 | 39,900 |
| Volcano Rd at Glenwood Park | 11 | 19.66 | 5,900 | 5,800 | 6,000 |
| Mamalahoa Hwy at states' south Kona baseyard | 11 | 104.14 | 6,200 | 6,100 | 6,200 |
| Queen Kaahumanu Hwy near Hualalai Rd | 11 | 120.77 | 22,200 | 22,200 | (NA) |
| Hawaii Belt Rd north of Kalaoa bridge | 19 | 8.01 | 10,300 | 10,100 | 10,100 |
| Queen Kaahumanu Hwy near Kaupulehu Dr | 19 | 83.60 | 12,300 | 12,600 | 13,000 |
| Queen Kaahumanu Hwy north of OTEC access Rd | 19 | 93.74 | 22,100 | 22,500 | 23,500 |
| Keaau-Paho Rd south of waste station Rd | 130 | 2.51 | 26,900 | 26,600 | (NA) |
| Maui | | | | | |
| Honoapiilani Hwy south of Kaanapali Pkwy | 30 | 23.58 | 39,100 | 39,300 | (NA) |
| Honoapiilani Hwy north of Kahana Kai bridge | 30 | 28.37 | 14,100 | (NA) | (NA) |
| Piilani Hwy near Lipoa Pkwy | 31 | 6.97 | (NA) | 31,500 | 33,000 |
| Hana Hwy near Central Power Plant Rd | 36 | 1.70 | (NA) | 33,500 | 33,700 |
| Hana Hwy near Baldwin Park | 36 | 6.28 | 17,300 | 17,600 | (NA) |
| Keolani Pl near Palapala Dr | 36A | 0.51 | (NA) | 14,400 | 14,500 |
| Kaleakala Hwy near North Firebreak Rd | 37 | 0.61 | (NA) | 28,800 | 29,200 |
| North Kihei Hwy near 9th St | 310 | 0.86 | (NA) | 15,000 | 15,500 |
| Mokulele Hwy near Nakii Rd | 311 | 2.38 | (NA) | 30,000 | 31,000 |
| Kuihelani Hwy near Mauilani Pkwy | 380 | 1.52 | (NA) | 21,900 | 22,600 |

Continued on next page.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED SURVEY SITES: 2011 TO 2013 -- Con.

| Site | Route | Milepoint | 2011 | 2012 | 2013 |
|--|-------|-----------|--------|--------|--------|
| Kauai | | | | | |
| Kaumualii Hwy near Nani St | 50 | 1.51 | (NA) | 23,600 | 25,000 |
| Kaumualii Hwy at Punee Rd | 50 | 8.35 | 13,600 | 13,800 | 14,100 |
| Kaumualii Hwy near Alawai Rd | 50 | 22.37 | (NA) | 10,600 | 10,700 |
| Rice St near Mokoī St | 51 | 0.79 | 13,800 | 13,900 | 13,800 |
| Kuhio Hwy near Huilei Rd | 56 | 2.40 | (NA) | 14,700 | 15,600 |
| Kuhio Hwy northwest of Kolo Rd and Kalamania Rd | 56 | 23.53 | 13,500 | 13,800 | 14,200 |
| Nawiliwili Rd near Kanani St | 58 | 1.44 | (NA) | 11,900 | 12,100 |
| Akuhuni Rd near Palai St | 570 | 0.31 | (NA) | 11,400 | 11,200 |

NA Not available.

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 | 6,200 | 6,213 | 6,265 |
| Arterial streets | 3,095 | 3,100 | 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 1/ | | | | |
| Total fuel (1,000 gallons) | 11,850 | 12,573 | 11,204 | 11,298 |
| Fuel per peak auto commuter (gallons) | 24 | 28 | 24 | 24 |
| Annual delay 2/ | | | | |
| Total delay (1,000s of person-hours) | 19,358 | 19,816 | 20,699 | 20,873 |
| Delay per peak auto commuter (person-hours) 3/ | 42 | 42 | 45 | 45 |
| Congestion cost 4/ | | | | |
| Total cost (\$ million) | 391 | 404 | 423 | 427 |
| Cost per peak auto commuter (\$) | 873 | 888 | 920 | 928 |

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

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

3/ 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.

4/ 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 20, 2014.

Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1995 TO 2012, AND BY COUNTY, 2011 AND 2012

| 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 | 3/ 132 |
| 2001 | 10,872 | 133 | 8,647 | 3/ 140 |
| 2002 | 10,659 | 116 | 8,947 | 3/ 119 |
| 2003 | 11,289 | 117 | 9,088 | 3/ 133 |
| 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/ 7,940 | 107 | 6,434 | 3/ 113 |
| 2011 3/ | 4,793 | 97 | 4,177 | 100 |
| 2012 4/ | 132 | 114 | 112 | 125 |
| COUNTY: 2011 | | | | |
| Honolulu | 3/ 3,948 | 49 | 3/ 3,361 | 51 |
| Hawaii | 3/ 256 | 3/ 23 | 3/ 241 | 3/ 23 |
| Kauai | 3/ 409 | 6 | 3/ 371 | 6 |
| Maui | 3/ 180 | 19 | 3/ 204 | 20 |
| COUNTY: 2012 4/ | | | | |
| Honolulu | 34 | 55 | 16 | 56 |
| Hawaii | 73 | 34 | 70 | 38 |
| Kauai | 5 | 7 | 4 | 8 |
| Maui | 20 | 18 | 22 | 23 |

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: 2010 TO 2012

[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 |
| 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 |
| 2012, State total | 175 | 122 | 70 | 53 | 30 | 6 | 4 | 47 | 27 |
| Hawaii | 52 | 36 | 68 | 17 | 32 | 3 | 5 | 14 | 27 |
| Honolulu | 84 | 61 | 72 | 23 | 28 | 3 | 3 | 21 | 25 |
| Kauai | 8 | 5 | 64 | 3 | 36 | - | 1 | 3 | 35 |
| Maui | 31 | 21 | 67 | 10 | 33 | 1 | 3 | 9 | 30 |

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 July 16, 2014.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:
2011 TO 2013**

| Island | Taxicabs 1/ | | | Bicycles and mopeds 2/ | | |
|----------|-------------|-------|-------|------------------------|---------|---------|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| Hawaii | 205 | 202 | 238 | 5,551 | 5,089 | 6,040 |
| Maui | 3/ 360 | (NA) | 3/ 27 | 4,986 | (NA) | 1,426 |
| Lanai | (NA) | (NA) | (NA) | 17 | (NA) | 15 |
| Molokai | (NA) | (NA) | (NA) | 30 | (NA) | 23 |
| Oahu | 1,959 | 1,632 | 1,814 | 373,856 | 406,296 | 439,900 |
| Kauai 4/ | - | - | - | 2,850 | 2,782 | 2,743 |

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:
2011 TO 2013**

[As of September]

| County | Passenger carriers 1/ | | | Property carriers 2/ | |
|-------------|-----------------------|--------------------|------------------|----------------------|--------------------|
| | Number of carriers | Number of vehicles | Seating capacity | Number of carriers | Number of vehicles |
| 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 |
| 2013 | | | | | |
| State total | 1,729 | 6,304 | 150,521 | 6,154 | 31,557 |
| Hawaii | 291 | 950 | 22,486 | 1,353 | 5,291 |
| Maui | 237 | 1,042 | 25,580 | 916 | 3,849 |
| Honolulu | 1,108 | 3,986 | 94,783 | 3,288 | 20,314 |
| Kauai | 93 | 326 | 7,672 | 597 | 2,103 |

1/ Includes mostly tour bus operators; excludes public transit, school buses, taxicabs, and rental car companies.

2/ Includes truckers, moving companies, etc.

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

Table 18.25-- PUBLIC TRANSIT, FOR OAHU: 1993 TO 2013

[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 |
| 2013 | 526 | 20,310,301 | 69,242,214 | 55,038,042 |

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 2014**

[As of July 1, 2014. 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 20, 2014.

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

[As of December 31]

| Island | Airports 1/ | | | | Helicopters 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 2012

[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 |
| 2012 | 214,947 | 9,014,375 | 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 20, 2014.

Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2011 TO 2013

[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 |
|------------------------|-------------------------|--------------------|-----------------|-------------------------|-----------------|
| 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 |
| 2013 | | | | | |
| Honolulu International | 290,237 | 154,585 | 71,763 | 49,329 | 14,560 |
| Kahului | 128,303 | 45,018 | 61,623 | 18,998 | 2,664 |
| Kona International | 118,037 | 22,276 | 26,621 | 52,548 | 16,592 |
| Lihue | 126,302 | 26,194 | 68,938 | 24,857 | 6,313 |
| Hilo International | 94,311 | 14,933 | 46,536 | 18,434 | 14,408 |
| Molokai | 34,518 | 1,358 | 24,005 | 6,041 | 3,114 |
| Kalaeloa | 139,124 | 2 | 2 | 110,742 | 28,378 |

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

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2013**

[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 |
| 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 |
| 2013 | 290,237 | 94,311 | 118,037 | 128,303 | 126,302 | 34,518 |

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: 2002 TO 2013**

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

| Service | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| All carriers | 44 | 43 | 43 | 43 | 42 | 39 |
| Transpacific only | 30 | 30 | 32 | 32 | 32 | 30 |
| Domestic | 13 | 14 | 13 | 13 | 14 | 14 |
| Foreign | 17 | 16 | 19 | 19 | 18 | 16 |
| Transpacific and interisland | 3 | 2 | 2 | 2 | 2 | 2 |
| Interisland only | 11 | 11 | 9 | 9 | 8 | 7 |
| Passenger carriers | 4 | 4 | 4 | 4 | 4 | 3 |
| Cargo and mail only | 7 | 7 | 5 | 5 | 4 | 4 |
| Service | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| All carriers | 37 | 39 | 33 | 37 | 38 | 36 |
| Transpacific only | 28 | 30 | 24 | 26 | 28 | 26 |
| Domestic | 13 | 12 | 11 | 12 | 16 | 14 |
| Foreign | 15 | 18 | 13 | 14 | 12 | 12 |
| Transpacific and interisland | 2 | 1 | 2 | 1 | 1 | 1 |
| Interisland only | 7 | 8 | 7 | 10 | 9 | 9 |
| Passenger carriers | 3 | 3 | 4 | 6 | 6 | 6 |
| Cargo and mail only | 4 | 5 | 3 | 4 | 3 | 3 |

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: 2011 TO 2013**

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

| Airport | 2011 | 2012 1/ | 2013 |
|------------------------|-------------|----------------|-------------|
| State of Hawaii | 9,275,822 | 10,206,731 | 10,768,719 |
| Honolulu International | 6,444,098 | 7,143,246 | 7,661,221 |
| Kahului | 1,688,594 | 1,782,041 | 1,843,928 |
| Kona International | 586,914 | 630,776 | 614,714 |
| Hilo International | 37,052 | 58,577 | 48,588 |
| Lihu'e | 519,164 | 592,091 | 600,268 |
| Domestic | 6,559,011 | 7,008,177 | 7,206,155 |
| International | 2,716,811 | 3,198,554 | 3,562,564 |

1/ Revised from previous *Data Book*.

Source: Hawaii Tourism Authority, Tourism Research, *Final Monthly Visitors Statistics 2011*;
Hawaii Tourism Authority, Tourism Research, *Monthly Visitor Statistics, December 2012* and
Hawaii Tourism Authority, Tourism Research, *Monthly Visitor Statistics, December 2013*
<http://www.hawaiitourismauthority.org/index.cfm?page=tourism_research&level1=tourism_research>
accessed July 16, 2014.

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 2013**

[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 |
| 2013 | 9,294,068 | 9,283,476 | 230,494 | 7,122,158 |

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: 2013

| Airport | Passengers 1/ | | Cargo (U.S. tons) | | Mail (U.S. tons) | |
|--------------------|---------------|-----------|-------------------|----------|------------------|----------|
| | Departures | Arrivals | Outgoing | Incoming | Outgoing | Incoming |
| OVERSEAS | | | | | | |
| Total | 9,294,068 | 9,283,476 | 133,988 | 202,479 | 18,100 | 45,385 |
| Honolulu | 6,525,128 | 6,514,674 | 129,071 | 192,887 | 15,897 | 37,724 |
| Kahului | 1,632,197 | 1,634,611 | 1,213 | 7,654 | 637 | 3,485 |
| Kona 2/ | 552,351 | 555,220 | 3,678 | 1,316 | 1,566 | 4,176 |
| Lihue | 538,438 | 538,879 | 21 | 620 | - | - |
| Hilo | 45,954 | 40,092 | 4 | 2 | - | - |
| INTERISLAND | | | | | | |
| Total | 7,122,158 | 7,122,158 | 69,481 | 69,481 | 16,884 | 16,884 |
| Honolulu | 3,219,895 | 3,216,527 | 42,815 | 25,952 | 12,259 | 4,555 |
| Kahului | 1,412,147 | 1,421,932 | 5,096 | 13,103 | 1,637 | 4,444 |
| Kona 2/ | 875,371 | 863,745 | 3,734 | 8,154 | 1,027 | 2,303 |
| Lihue | 819,125 | 814,285 | 4,716 | 10,111 | 816 | 2,596 |
| Hilo | 623,761 | 634,832 | 12,622 | 9,727 | 1,121 | 2,576 |
| Molokai | 84,196 | 86,400 | 211 | 680 | - | - |
| Lanai | 49,536 | 49,743 | 76 | 752 | - | - |
| Kapalua | 28,033 | 24,780 | 186 | 884 | - | - |
| Kalaupapa | 1,678 | 1,611 | 23 | 119 | - | - |
| Hana | 7,070 | 7,025 | 1 | 1 | - | - |
| Waimea-Kohala | 1,346 | 1,278 | - | - | 24 | 409 |

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 2013

[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 |
| 2013 | 267,976 | 404,957 | 36,199 | 90,771 | 138,963 | 33,768 |

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

**Table 18.39-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,
BY DESTINATION: JULY 2013**

[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 | | Canada | |
| | | Vancouver | 19 |
| U.S. | | Japan | |
| West | | Fukuoka | 14 |
| Anchorage | 7 | Nagoya | 14 |
| Bellingham | 11 | Osaka | 21 |
| Boise | 1 | Sendai | 3 |
| Denver | 10 | Tokyo - Haneda | 21 |
| Eugene | 1 | Tokyo - Narita | 63 |
| Fresno | 2 | Other Asia | |
| Las Vegas | 20 | Seoul | 23 |
| Los Angeles | 266 | Shanghai | 3 |
| Oakland | 35 | Taipei | 5 |
| Phoenix | 59 | Oceania | |
| Portland | 24 | Auckland | 6 |
| Sacramento | 14 | Brisbane | 3 |
| Salt Lake City | 7 | Melbourne | 2 |
| San Diego | 35 | Sydney | 16 |
| San Francisco | 94 | Other | |
| San Jose | 31 | Apia | 1 |
| Santa Maria | 2 | Christmas Island | 1 |
| Seattle | 68 | Guam | 7 |
| Spokane | 1 | Majuro | 3 |
| Stockton | 2 | Manila | 7 |
| East | | Nadi | 1 |
| Atlanta | 7 | Pago Pago | 3 |
| Chicago | 14 | Papeete | 1 |
| Dallas / Fort Worth | 21 | | |
| 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: 2009 TO 2013**

[As of July 1. Includes all taxes]

| Category | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|
| Regular fare | 218.10 | 191.20 | 191.20 | 191.30 | 191.40 |
| Lowest capacity-controlled fare | 54.10 | 74.20 | 90.20 | 95.30 | 85.10 |

Source: Hawaiian Airlines, records.

Table 18.41-- ANNUAL AVERAGE ROUND TRIP AIR FARES BETWEEN HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2013

[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 | 386 | 398 | 373 | 403 | 475 | 494 | 555 |
| 2003 | 346 | 345 | 378 | 426 | 444 | 518 | 558 |
| 2004 | 361 | 376 | 412 | 425 | 431 | 566 | 530 |
| 2005 | 370 | 372 | 405 | 399 | 444 | 578 | 567 |
| 2006 | 372 | 373 | 430 | 432 | 470 | 627 | 600 |
| 2007 | 395 | 385 | 432 | 405 | 420 | 604 | 610 |
| 2008 | 476 | 480 | 508 | 454 | 448 | 693 | 682 |
| 2009 | 441 | 425 | 448 | 388 | 388 | 681 | 723 |
| 2010 | 429 | 416 | 449 | 400 | 407 | 719 | 679 |
| 2011 | 507 | 490 | 468 | 424 | 478 | 835 | 708 |
| 2012 | 510 | 470 | 471 | 489 | 511 | 820 | 782 |
| 2013 | 532 | 527 | 498 | 476 | 492 | 783 | 834 |

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

Table 18.42-- STATE COMMERCIAL HARBORS: 2013

| 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: 2012

[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 2012, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wcsc/webpub12/webpubpart-4.htm>> accessed June 20, 2014.

**Table 18.44-- SMALL CRAFT MOORING FACILITIES,
BY ISLAND: DECEMBER 31, 2013**

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

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

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

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

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

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

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

2/ Kaena Point Light.

3/ Cape Kumukahi Light.

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

**Table 18.46-- UNDOCUMENTED VESSEL REGISTRATION:
DECEMBER 31, 2013**

| Subject | Number | Subject | Number |
|-------------------------|--------|-------------------------------------|--------|
| Registered vessels | 13,928 | Type of vessel | |
| Length | | Aux. powered sailing vessel | 1,092 |
| Under 16 feet | 4,816 | Cabin motorboat | 2,423 |
| 16 to less than 26 feet | 7,083 | Open motorboat | 5,555 |
| 26 to less than 40 feet | 1,785 | Runabout | 2,187 |
| 40 to 65 feet | 234 | Sail only | 610 |
| Over 65 feet | 10 | Houseboat | 3 |
| Hull material | | Motor vessel over 65 feet in length | 15 |
| Aluminum | 493 | Thrill craft | 1,346 |
| Fiberglass / plastic | 12,284 | Other | 697 |
| Rubber / fabric | 516 | Uses | |
| Wood | 488 | Pleasure | 12,935 |
| Other | 121 | Commercial fishing | 235 |
| Steel | 26 | Charter fishing | 9 |
| Unknown | - | Commercial passenger | 215 |
| Propulsion | | Other commercial | 102 |
| Inboard | 3,518 | Livery | 64 |
| Outboard | 5,409 | Dealer | 11 |
| Inboard / outboard | 1,778 | Manufacturer | 4 |
| Sail / inboard | 666 | Youth group - fee exempt | 78 |
| Sail / outboard | 504 | Government - fee exempt | 254 |
| Sail only | 495 | Other | 21 |
| Manual | 90 | Island where vessel is kept | |
| Other | 64 | Hawaii | 2,476 |
| Unknown | - | Kauai | 1,467 |
| Waterjet | 1,404 | Lanai | 66 |
| Mooring location | | Maui | 1,509 |
| Moored on water | 3,031 | Molokai | 196 |
| Moored on land | 10,897 | Oahu | 8,214 |
| 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:
1998 TO 2013**

[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 |
|-------------|--------------------------|-------------|--------------------------|
| 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 |
| 2005 | 15,302 | 2013 | 13,928 |

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 2013

| 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 |
| 2013 | 18 | 4 | 4 | 7 | 19 | 217.2 |

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: 2011 AND 2012

[Excludes domestic fishing craft]

| Harbor | 2011 | | | 2012 | | |
|---------------|-------|------------------|------------------|-------|------------------|------------------|
| | Total | 18 feet and less | 19 feet and more | Total | 18 feet and less | 19 feet and more |
| Hilo | 1,009 | 632 | 377 | 637 | 470 | 167 |
| Kawaihae | 2,493 | 548 | 1,945 | 496 | 491 | 5 |
| Kahului | 1,650 | 1,229 | 421 | 903 | 813 | 90 |
| Barbers Point | 823 | 700 | 123 | 1,019 | 881 | 138 |
| Honolulu | 4,431 | 3,519 | 912 | 2,880 | 2,301 | 579 |
| Nawiliwili | 2,733 | 523 | 2,210 | 508 | 398 | 110 |
| Kalaupapa | - | - | - | 2 | 2 | - |
| Kaunakakai | 114 | 114 | - | 153 | 153 | - |
| Port Allen | 25 | 25 | - | 32 | 32 | - |

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 2 Trips and Drafts of Vessels*; *Waterborne Commerce of the United States Calendar Year 2012, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.navigationdatacenter.us/wcsc/webpub12/webpubpart-4.htm>> accessed June 20, 2014.

Table 18.50-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1985 TO 2013

[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/ | 3/ 861 | 6,781,058 | 3/ 2,316 | 3,162,839 |
| 2013 1/ 2/ | 729 | 7,454,768 | 1,923 | 3,333,040 |

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.

3/ Revised from previous *Data Book*.

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

**Table 18.51-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,
FOR HONOLULU HARBOR: 2008 TO 2013**

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

| Type of passenger | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 1/ |
|--------------------------|-------------|-------------|-------------|-------------|-------------|----------------|
| In | 390,274 | 222,460 | 213,304 | 420,649 | 240,245 | 268,461 |
| Out | 388,300 | 222,661 | 213,468 | 778,405 | 269,359 | 267,670 |

1/ In 2013, In-Transit count of 98,288 was reported and included in both "In" and "Out" counts, also data excluded 21,223 records with missing directionals.

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

**Table 18.52-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1993 TO 2012**

[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 |
| 2012 | 1,968 | 1,837 | 4,711 | 10,046 | 14,321 | 1,947 |

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2012, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigatordatacenter.us/wcsc/webpub12/webpubpart-4.htm>> accessed June 20, 2014 and other annuals.

**Table 18.53-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,
FOR SPECIFIED HARBORS: 2012**

[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 | 1,968 | 1,837 | 4,711 | 10,046 | 14,321 | 1,947 |
| Foreign | | | | | | |
| Inbound | 12 | - | 15 | 7,399 | 800 | 10 |
| Outbound | - | 11 | - | 245 | 142 | - |
| Canadian | | | | | | |
| Inbound | - | - | - | 264 | 20 | - |
| Outbound | - | - | - | - | 5 | - |
| Domestic | | | | | | |
| Coastwise | 1,956 | 1,826 | 4,696 | 2,139 | 13,352 | 1,938 |
| Receipts | 1,299 | 1,128 | 2,747 | 439 | 7,379 | 1,208 |
| Shipments | 656 | 698 | 1,949 | 1,700 | 5,973 | 729 |
| Internal, inbound, upbound | - | - | - | 1 | - | - |

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2012, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wsc/webpub12/webpubpart-4.htm>> accessed June 20, 2014.

**Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2012**

[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 | 1,968 | 12 | - | - | - | 1,956 | 1,299 | 656 | - |
| Petroleum and petroleum products | 421 | 12 | - | - | - | 408 | 408 | - | - |
| Primary manufactured goods | 27 | - | - | - | - | 27 | 24 | 3 | - |
| Food and farm products | 32 | - | - | - | - | 32 | 15 | 16 | - |
| Manufactured equipment, machinery and products | 1,471 | - | - | - | - | 1,471 | 838 | 633 | - |
| Kawaihae | 1,837 | - | 11 | - | - | 1,826 | 1,128 | 698 | - |
| Petroleum and petroleum products | 1 | - | - | - | - | 1 | 1 | - | - |
| Primary manufactured goods | 46 | - | - | - | - | 46 | 43 | 3 | - |
| Food and farm products | 113 | - | - | - | - | 113 | 75 | 38 | - |
| Manufactured equipment, machinery and products | 1,617 | - | - | - | - | 1,617 | 978 | 639 | - |
| Kahului | 4,711 | 15 | - | - | - | 4,696 | 2,747 | 1,949 | - |
| Petroleum and petroleum products | 481 | 11 | - | - | - | 469 | 467 | 2 | - |
| Primary manufactured goods | 57 | 2 | - | - | - | 55 | 50 | 5 | - |
| Food and farm products | 230 | - | - | - | - | 230 | 53 | 177 | - |
| Manufactured equipment, machinery and products | 3,863 | 2 | - | - | - | 3,861 | 2,163 | 1,698 | - |
| Barbers Point | 10,046 | 7,399 | 245 | 264 | - | 2,139 | 439 | 1,700 | 1 |
| Petroleum and petroleum products | 8,487 | 6,368 | 113 | 87 | - | 1,919 | 336 | 1,582 | 1 |
| Primary manufactured goods | 435 | 295 | - | - | - | 140 | 40 | 100 | - |
| Food and farm products | (2/) | (2/) | - | - | - | (2/) | (2/) | - | - |
| Manufactured equipment, machinery and products | 15 | 8 | - | - | - | 7 | 5 | 1 | - |
| Honolulu | 14,321 | 800 | 142 | 20 | 5 | 13,352 | 7,379 | 5,973 | - |
| Petroleum and petroleum products | 742 | 487 | 41 | - | 5 | 209 | 185 | 24 | - |
| Primary manufactured goods | 439 | 121 | 24 | - | - | 294 | 230 | 64 | - |
| Food and farm products | 1,632 | 56 | 34 | 20 | - | 1,520 | 1,117 | 404 | - |
| Manufactured equipment, machinery and products | 10,924 | 63 | 6 | - | - | 10,855 | 5,466 | 5,389 | - |

Continued on next page.

**Table 18.54-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2012 -- Con.**

| Port and commodity | All commodities | Foreign | | Canadian | | Total | Domestic | | |
|--|-----------------|---------|----------|----------|----------|-------|-----------|-----------|-------------|
| | | Inbound | Outbound | Inbound | Outbound | | Coastwise | | Internal 1/ |
| | | | | | | | Receipts | Shipments | |
| Nawiliwili | 1,947 | 10 | - | - | - | 1,938 | 1,208 | 729 | - |
| Petroleum and petroleum products | 116 | 10 | - | - | - | 106 | 105 | 2 | - |
| Primary manufactured goods | 36 | - | - | - | - | 36 | 32 | 4 | - |
| Food and farm products | 23 | - | - | - | - | 23 | 20 | 4 | - |
| Manufactured equipment, machinery and products | 1,759 | - | - | - | - | 1,759 | 1,048 | 712 | - |

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 2012, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.navigationdatacenter.us/wsc/webpub12/webpubpart-4.htm>> accessed June 20, 2014.

Table 18.55-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED CODES: 2012

[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 | 964 | 24,737 | 1,088,146 | 43,988 |
| 481 | Air transportation | 81 | 7,697 | 413,248 | 53,691 |
| 4811 | Scheduled air transportation | 55 | 7,476 | 401,092 | 53,649 |
| 4812 | Nonscheduled air transportation | 26 | 221 | 12,156 | 55,088 |
| 483 | Water transportation | 23 | 1,694 | 102,326 | 60,402 |
| 484 | Truck transportation | 206 | 3,120 | 125,679 | 40,279 |
| 4841 | General freight trucking | 103 | 1,625 | 69,112 | 42,544 |
| 4842 | Specialized freight trucking | 103 | 1,496 | 56,566 | 37,820 |
| 485 | Transit & ground passenger transp. | 123 | 2,540 | 56,191 | 22,120 |
| 4854 | School & employee bus transp. | 18 | 1,128 | 23,361 | 20,707 |
| 4859 | Other ground passenger transp. | 49 | 987 | 21,482 | 21,761 |
| 487 | Scenic & sightseeing transportation | 207 | 3,943 | 124,682 | 31,624 |
| 4871 | Scenic & sightseeing transp., land | 41 | 1,716 | 50,754 | 29,584 |
| 4872 | Scenic & sightseeing transp., water | 142 | 1,806 | 52,788 | 29,236 |
| 4879 | Scenic & sightseeing transp., other | 24 | 421 | 21,140 | 50,164 |
| 488 | Support activities for transportation | 208 | 3,792 | 183,206 | 48,319 |
| 4881 | Support activities for air transp. | 56 | 1,841 | 57,545 | 31,265 |
| 4883 | Support activities for water transp. | 29 | 1,104 | 95,770 | 86,748 |
| 4884 | Support activities for road transp. | 45 | 315 | 6,206 | 19,713 |
| 4885 | Freight transportation arrangement | 73 | 441 | 20,447 | 46,374 |
| 4889 | Other support activities for transp. | 6 | 91 | 3,237 | 35,478 |
| 491 | Postal service | 5 | 14 | 281 | 20,828 |
| 492 | Couriers & messengers | 70 | 1,346 | 56,388 | 41,885 |
| 4921 | Couriers and express delivery services | 42 | 1,204 | 52,035 | 43,216 |
| 4922 | Local messengers and local delivery | 28 | 142 | 4,353 | 30,617 |
| 493 | Warehousing & storage | 42 | 592 | 26,145 | 44,176 |

Source: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Wages, Annual Averages 2012*, table 10 <<http://www.bls.gov/cew/cewbultn12.htm>> accessed June 23, 2014.

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.