

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">18.01</a>	Highway Distances: 2004
<a href="#">18.02</a>	Length of Streets and Highways, Paved and Unpaved, by Islands: December 31, 2002 to 2004
<a href="#">18.03</a>	Highway Bridges, by Islands: December 31, 2004
<a href="#">18.04</a>	Condition of Bridges: 2001 to 2004
<a href="#">18.05</a>	Highway Tunnel Lengths: December 31, 2004
<a href="#">18.06</a>	Vehicle Registration, by Type of Vehicle: 1994 to 2004
<a href="#">18.07</a>	Motor Vehicles Registered, by Counties: 1994 to 2004
<a href="#">18.08</a>	Vehicle Registration, by Type of Vehicle, for Counties: 2004
<a href="#">18.09</a>	Vehicle Registration, by Taxation Status, for Counties: 2004
<a href="#">18.10</a>	Vehicles Available to Occupied Housing Units, by Counties: 2000
<a href="#">18.11</a>	Truck Characteristics: 1987 to 2002
<a href="#">18.12</a>	New Retail Car and Light Truck (Van) Registrations: 1989 to 2004
<a href="#">18.13</a>	New Retail Car and Light Truck (Van) Registrations, by Nameplate: 2003 and 2004
<a href="#">18.14</a>	New Retail Car and Light Truck (Van) Registrations, by Place of Manufacture: 2003 and 2004
<a href="#">18.15</a>	Hawaii Drivers Licenses in Force, by Counties: 1991 to 2004
<a href="#">18.16</a>	Hawaii Drivers Licenses in Force, by Age and Sex: December 31, 2003 and 2004
<a href="#">18.17</a>	Motor Vehicle Fuel Consumption and Vehicle Miles, 1990 to 2004, and by Counties 2003 and 2004
<a href="#">18.18</a>	Total 24-hour Traffic Volumes at Selected Oahu Survey Sites: 2002 to 2004
<a href="#">18.19</a>	Roadway Congestion for the Honolulu Urbanized Area: 1999 to 2002
<a href="#">18.20</a>	Major Traffic Accidents, Traffic Injuries, and Traffic Deaths, 1993 to 2004, and by Counties, 2002 to 2004
<a href="#">18.21</a>	Traffic Fatalities and Highest Blood Alcohol Concentration (BAC) in the Crash: 2002 and 2003
<a href="#">18.22</a>	Registered Taxicabs and Bicycles, by Islands: 2002 to 2004
<a href="#">18.23</a>	Passenger Car Rental and Leasing (NAICS 53211): 1997 and 2002
<a href="#">18.24</a>	Motor Carrier Characteristics, by Counties: 2003 and 2004
<a href="#">18.25</a>	Public Transit, for Oahu: 1993 to 2004
<a href="#">18.26</a>	Bus Fare Chronology, for Oahu: 1971 to 2005
<a href="#">18.27</a>	Steam Railroad Mileage and Passengers: 1987 to 2004
<a href="#">18.28</a>	Airports and Heliports, by Control, by Islands: 2002 and 2003

**Table**  
**Number**   **Table Name**

(Click on the table number to go to corresponding table)

Narrative

<a href="#">18.29</a>	Honolulu International Airport Aircraft Operations and Enplaned Passengers: 2000 to 2003
<a href="#">18.30</a>	Aircraft Operations, by Type of Aircraft, at Major State-Owned Airports: 2000 to 2003
<a href="#">18.31</a>	Aircraft Operations for Specified Airports: 1991 to 2003
<a href="#">18.32</a>	Transpacific and Inter-island Air Carriers Serving Hawaii: 1997 to 2004
<a href="#">18.33</a>	Estimated Scheduled Airline Seat Capacity for Arriving Flights: 2002 to 2004
<a href="#">18.34</a>	Civil Flying: 1990 to 1993 and 1996
<a href="#">18.35</a>	Selected Statistics for Aloha and Hawaiian Airlines: 2002 and 2003
<a href="#">18.36</a>	Hawaii Locations Among the Top 30 Domestic Airline Markets: 1998 to 2003
<a href="#">18.37</a>	Overseas and Inter-Island Air Passenger Movements: 1988 to 2003
<a href="#">18.38</a>	Passengers, Cargo, and Mail, Overseas and Interisland, by Airport: 2002
<a href="#">18.39</a>	Passengers, Cargo, and Mail, Overseas and Interisland, by Airport: 2003
<a href="#">18.40</a>	Air Cargo and Airmail: 1989 to 2003
<a href="#">18.41</a>	Non-stop Flights to Depart State of Hawaii, by Destination: July 2004
<a href="#">18.42</a>	One-Way Fares for Inter-island Flights by Hawaiian Airlines: 2000 to 2004
<a href="#">18.43</a>	Air Fares Between Honolulu and Los Angeles, San Francisco, and Seattle, for United Airlines: 2004 and 2005
<a href="#">18.44</a>	State Commercial Harbors: 2004
<a href="#">18.45</a>	Harbor Depths: 2003
<a href="#">18.46</a>	Small Craft Mooring Facilities, by Islands: December 31, 2003
<a href="#">18.47</a>	Lighthouses and Related Facilities, by Islands: 2003
<a href="#">18.48</a>	Undocumented Vessel Registration: December 31, 2003
<a href="#">18.49</a>	Numbered Vessels Registered in Hawaii: 1997 to 2003
<a href="#">18.50</a>	Boating Accidents: 1991 to 2002
<a href="#">18.51</a>	Vessel Arrivals, by Draft: 2001 and 2002
<a href="#">18.52</a>	Vessel Arrivals, by Draft: 2003
<a href="#">18.53</a>	Ship Arrivals and Cargo Tonnage at the Port of Honolulu: 1984 to 2004
<a href="#">18.54</a>	Cruise Ship Passenger Arrivals and Departures, for Honolulu Harbor: 1999 to 2004
<a href="#">18.55</a>	Waterborne Commerce for Specified Harbors: 1993 to 2003
<a href="#">18.56</a>	Waterborne Commerce, Foreign and Domestic, for Specified Harbors: 2002
<a href="#">18.57</a>	Waterborne Commerce, Foreign and Domestic, for Specified Harbors: 2003
<a href="#">18.58</a>	Waterborne Commerce, by Selected Commodities, for Specified Harbors: 2002
<a href="#">18.59</a>	Waterborne Commerce, by Selected Commodities, for Specified Harbors: 2003

**Table**  
**Number   Table Name**

(Click on the table number to go to corresponding table)

[Narrative](#)

<a href="#"><u>18.60</u></a>	Transportation and Warehousing Summary Statistics for the State: 1997
<a href="#"><u>18.61</u></a>	Shipment Characteristics by States of Origin and Destination: 1997

## 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: 2004-2005*, Section 23.

**Table 18.01-- HIGHWAY DISTANCES: 2004**

Route	Statute miles	Route	Statute miles
HAWAII		MOLOKAI	
Hilo-Lyman Field	2.0	Kaunakakai-Sheraton Hotel	19.5
Hilo-Kalapana	28.4	Kaunakakai-Maunaloa	16.5
Hilo-Mauna Kea summit	39.3	Kaunakakai-Airport	8.0
Hilo-Mauna Loa summit	52.4	Kaunakakai-Halawa	27.6
Hilo-Volcano House	30.7	Airport-Sheraton Hotel	11.5
Hilo-Kailua, via Naalehu	123.0		
Hilo-Kailua, via Saddle Rd.	84.0	OAHU 1/	
Hilo-Kailua, via Hamakua	98.1		
Hilo-Waimea, via Saddle Rd.	60.9	Honolulu-Ala Moana Center	1.5
Hilo-Waimea, via Hamakua	55.7	Honolulu-UH, via King Street	3.2
Hilo-Upolu Pt., via Hamakua	89.6	Honolulu-Waikiki	3.2
Hilo-Kawaihae, via Hamakua	67.5	Honolulu-Waimanalo, via Koko Head	21.2
Waimea-Hawi	20.2	Honolulu-Waimanalo, via Nuuanu	16.0
Waimea-Kawaihae	10.0	Honolulu-Kailua, via Nuuanu	13.0
Kawaihae-Hawi	17.3	Honolulu-Kaneohe, via Kalihi	12.0
Kawaihae-Kailua	34.3	Honolulu-Kahuku, via Kahaluu	38.0
Kailua-Keahole Airport	7.3	Honolulu-Kahuku, via Wahiawa	48.0
Kailua-Keauhou	5.7	Honolulu-Kaena Pt., via Wahiawa	43.4
		Honolulu-Kaena Pt., via Waianae	43.7
MAUI		Honolulu-Wahiawa	23.0
		Honolulu-Pearl Harbor Shipyard	8.0
Wailuku-Kahului	2.3	Honolulu-Honolulu Airport	6.5
Wailuku-Kahului Airport	4.2	Waikiki-UH, via Kapahulu	3.2
Wailuku-Hana, via Keanae	53.2	Waikiki-Honolulu Airport	8.0
Wailuku-Hana, via Kaupo	59.8	Waimanalo-Kahuku	32.6
Wailuku-Haleakala summit	38.2	Circle island, via Makapuu	99.5
Wailuku-Makena	17.9	Circle island, via Nuuanu Pali	81.6
Wailuku-Lahaina, via Kahakuloa	38.0		
Wailuku-Lahaina, via Olowalu	20.9	KAUAI	
Kahului-Kihei	8.2		
Lahaina-Wailea	32.4	Lihue-Haena	38.2
Lahaina-Napili	8.9	Lihue-Wailua	5.9
Lahaina-Kaanapali	3.7	Lihue-Lihue Airport	2.0
		Lihue-Poipu	11.9
LANAI		Lihue-Mana	32.9
		Lihue-Kalalau Lookout	44.6
Lanai City-Lanai Airport	3.1	Poipu-Kalalau Lookout	36.8
Lanai City-Hulopoe	7.5	Poipu-Princeville	40.7

1/ Honolulu distances measured from South King and Bishop Streets; Waikiki, from Kalakaua Avenue and Lewers Street.

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

**Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLANDS: DECEMBER 31, 2002 TO 2004**

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

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2002				
State total	4,298.69	88.55	4,037.73	172.41
Hawaii	1,459.80	-	1,400.50	59.30
Maui	627.38	-	570.68	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,617.19	88.55	1,520.72	7.92
Kauai	413.98	-	391.49	22.49
Niihau	-	-	-	-
2003				
State total	4,307.20	88.55	4,046.24	172.41
Hawaii	1,459.80	-	1,400.50	59.30
Maui	630.60	-	573.90	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,622.48	88.55	1,526.01	7.92
Kauai	413.98	-	391.49	22.49
Niihau	-	-	-	-
2004				
State total	4,316.35	88.55	4,055.39	172.41
Hawaii	1,466.06	-	1,406.76	59.30
Maui	630.69	-	573.99	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,625.34	88.55	1,528.87	7.92
Kauai	413.92	-	391.43	22.49
Niihau	-	-	-	-

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

**Table 18.03-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 2004**

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: 2001 TO 2004**

Area	Number of bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		Number	Percent	Number	Percent	Number	Percent
2001							
U.S.	590,066	165,099	28.0	83,630	14.2	81,469	13.8
Hawaii	1,071	537	50.1	193	18.0	344	32.1
2002							
U.S.	591,220	163,010	27.6	81,437	13.8	81,573	13.8
Hawaii	1,089	522	47.9	171	15.7	351	32.2
2003							
U.S.	592,246	160,819	27.2	79,811	13.5	81,008	13.7
Hawaii	1,097	512	46.7	155	14.1	357	32.5
2004							
U.S.	593,885	158,318	26.7	77,758	13.1	80,560	13.6
Hawaii	1,099	513	46.7	156	14.2	357	32.5

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, <<http://www.fhwa.dot.gov/bridge/deficient.htm>> accessed July 11, 2005.

**Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2004**

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:  
1994 TO 2004**

[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
1994	898,008	875,144	691,158	53	3,772
1995	901,291	877,756	694,239	54	3,660
1996	907,770	884,617	703,094	59	3,468
1997	906,964	884,267	704,693	54	3,226
1998	915,753	893,427	713,732	61	3,084
1999	929,474	906,935	725,142	59	3,028
2000	964,738	941,242	754,840	56	2,902
2001	986,555	967,146	775,737	53	2,847
2002	1,013,594	987,598	792,482	61	2,815
2003	1,057,625	1,030,845	830,672	47	2,588
2004	1,100,646	1,072,211	867,120	44	2,510
		Motor vehicles -- continued			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers
1994	162,348	630	249	16,934	22,864
1995	161,609	567	239	17,388	23,535
1996	160,013	504	225	17,254	23,153
1997	158,457	457	220	17,160	22,697
1998	158,977	423	214	16,936	22,326
1999	161,067	407	224	17,008	22,539
2000	165,104	409	270	17,661	23,496
2001	168,414	495	314	19,286	19,409
2002	160,941	513	359	20,427	25,996
2003	174,641	510	368	22,019	26,780
2004	178,596	547	449	22,945	28,435

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

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

**Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTIES:  
1994 TO 2004**

[Taxable and exempt vehicles. Includes passenger cars, ambulances, buses, trucks, motorcycles and vehicles registered but subsequently scrapped or shipped out of State. Excludes trailers and semi-trailers]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
1994	875,144	600,087	111,532	52,817	110,708
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

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

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR  
COUNTIES: 2004**

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

<b>Type of vehicle</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
All vehicles	1,100,646	701,215	168,229	74,322	156,880
Motor vehicles	1,072,211	688,163	159,627	71,517	152,904
Passenger vehicles 1/	867,120	571,648	124,632	51,925	118,915
Ambulances	44	22	9	1	12
Buses	2,510	1,947	281	14	268
Trucks 1/	178,596	98,681	31,079	18,267	30,569
Truck tractors	547	292	142	25	88
Truck cranes	449	322	58	9	60
Motorcycles, motorscooters 2/	22,945	15,251	3,426	1,276	2,992
Trailers and semi-trailers	28,435	13,052	8,602	2,805	3,976

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

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

**Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS, FOR  
COUNTIES: 2004**

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

<b>Taxation status</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
Total registered	1,049,266	672,912	156,201	70,241	149,912
Taxable vehicles	980,943	608,003	154,866	69,466	148,608
Exempt vehicles	68,323	64,909	1,335	775	1,304
Federal government	377	361	12	-	4
State government	5,064	5,063	1	-	-
County government	6,246	4,042	701	468	1,035
Fire department	247	72	110	34	31
Police department	1,653	1,307	343	-	3
Consulates	55	55	-	-	-
Disabled veterans	118	59	10	42	7
Military non-resident	54,129	53,729	85	225	90
Farm	286	113	49	4	120
Horseless carriage	47	37	8	1	1
Electric vehicles	101	71	16	1	13

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

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

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

Source: U.S. Census Bureau, Census 2000, Table DP-4, Profile of Selected Housing Characteristics: 2000.

**Table 18.11-- TRUCK CHARACTERISTICS: 1987 TO 2002**

Category (100 percent)	Selected characteristic	Percent of category			
		1987	1992	1997	2002
Total trucks (1,000)		160.8	280.3	294.2	351.4
Business 1/ Body type	Personal transportation Pickup, mini-van, other light van, and sport utility	60.5	61.7	2/ 70.1	74.0
Vehicle size	Light	91.2	93.8	94.9	95.9
Annual miles	Less than 10,000 3/	94.6	95.6	95.9	96.9
Model year	Over 4 years old	57.0	50.0	2/ 44.3	51.1
Vehicle acquisition	New	62.1	66.8	74.1	68.0
Truck type	Single-unit, 2 axles 4/	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	2/ 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/ Revised from previous *Data Book*.

3/ Includes vehicles not in use.

4/ 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 2004**

[Excludes U-drive/Fleet sales]

Year	Number	Year	Number	Year	Number
1989	57,456	1995	41,083	2001	51,388
1990	54,544	1996	41,480	2002	53,314
1991	47,783	1997	42,487	2003	62,712
1992	44,865	1998	40,673	2004	65,882
1993	45,249	1999	45,054		
1994	44,175	2000	51,500		

Source: Hawaii Automobile Dealers Association, records.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY NAMEPLATE: 2003 AND 2004**

[Excludes U-drive/Fleet sales]

Nameplate	2003	2004
Total	62,712	65,882
Toyota	14,118	15,018
Nissan	6,295	7,666
Honda	7,329	7,395
Ford	7,302	6,891
Chevrolet	3,917	4,072
Dodge	3,276	3,508
Mazda	3,037	2,893
Lexus	1,394	1,460
BMW	1,234	1,400
Mercedes	1,164	1,338
Volkswagen	1,457	1,217
Hyundai	867	1,072
GMC	1,053	1,051
Kia	652	985
Acura	766	836
Saturn	1,119	831
All others	7,732	8,249

Source: Hawaii Automobile Dealers Association, HawaiiDealer, First Quarter Edition 2005, p. 34.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)  
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2003 AND 2004**

[Excludes U-drive/Fleet sales]

<b>Type and place of manufacture</b>	<b>2003</b>	<b>2004</b>
Total	62,712	65,882
Car	27,230	26,695
Light truck	35,482	39,187
Chrysler, Ford, General Motors	19,407	19,249
Japanese	35,912	38,783
European	5,874	5,793
Korean	1,519	2,057

Source: Hawaii Automobile Dealers Association, *Hawaii Auto Outlook*, First Quarter, 2004, and records.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTIES:  
1991 TO 2004**

[As of December 31]

<b>Year</b>	<b>State total</b>	<b>City and County of Honolulu</b>	<b>County of Hawaii</b>	<b>County of Kauai</b>	<b>County of Maui</b>
1991	699,664	501,260	86,181	38,894	73,329
1992	716,545	510,901	89,436	39,947	76,261
1993	734,381	522,016	92,264	41,910	78,191
1994	745,392	527,756	94,257	42,736	80,643
1995	732,508	516,780	94,048	42,041	79,639
1996	733,486	515,780	94,943	41,775	80,988
1997	738,865	517,904	96,665	42,079	82,217
1998	746,329	520,734	98,252	42,363	84,980
1999	752,693	521,671	100,331	43,141	87,550
2000	769,383	529,890	104,058	44,471	90,964
2001	787,820	542,244	106,557	45,424	93,595
2002	814,668	560,222	110,561	46,840	97,045
2003	834,188	572,665	113,760	48,047	99,716
2004	843,876	577,507	116,486	48,967	100,916

Source: City and County of Honolulu, Department of Information Technology, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE  
AND SEX: DECEMBER 31, 2003 AND 2004**

Age	Both sexes		Male		Female	
	2003	2004	2003	2004	2003	2004
Total	834,188	843,876	440,583	444,399	393,605	399,477
15 to 19 years	29,527	29,487	16,029	15,926	13,498	13,561
20 to 24 years	72,199	72,455	38,412	38,230	33,787	34,225
25 to 34 years	156,602	155,408	82,390	81,420	74,212	73,988
35 to 44 years	172,242	171,423	88,880	88,485	83,362	82,938
45 to 54 years	173,030	174,795	90,007	90,646	83,023	84,149
55 to 64 years	120,090	127,814	64,466	68,440	55,624	59,374
65 to 74 years	66,946	67,747	35,794	36,287	31,152	31,460
75 to 84 years	37,938	38,680	21,011	21,153	16,927	17,527
85 years and over	5,614	6,067	3,594	3,812	2,020	2,255

Source: City and County of Honolulu, Department of Information Technology, records.

**Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES,  
1990 TO 2004, AND BY COUNTIES, 2003 AND 2004**

Year and county	Highway fuel consumption 1/		Vehicle miles of travel	
	Total (1,000 gallons)	Gallons per vehicle 2/	Total (millions)	Per vehicle 2/
1990	395,185	444	8,065.4	9,071
1991	406,819	453	8,142.2	9,075
1992	405,963	457	8,065.5	9,070
1993	409,940	468	7,945.3	9,063
1994	428,558	490	7,925.2	9,056
1995	422,884	482	7,944.1	9,051
1996	426,370	482	8,005.9	9,050
1997	421,499	477	8,003.0	9,050
1998	422,928	473	8,090.2	9,055
1999	417,374	460	8,215.2	9,058
2000	428,425	455	8,525.7	9,058
2001	445,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
2003	483,232	469	9,325.0	9,046
2004	498,816	463	9,734.6	9,042
COUNTIES: 2003				
Honolulu	284,685	427	5,851.0	8,783
Hawaii	88,383	583	1,474.1	9,726
Kauai	33,024	480	707.4	10,291
Maui	77,140	534	1,292.5	8,952
COUNTIES: 2004				
Honolulu	313,746	448	6,160.9	8,791
Hawaii	85,427	548	1,516.6	9,729
Kauai	30,997	456	699.4	10,287
Maui	68,646	452	1,357.7	8,941

1/ Includes gasoline, diesel oil, and butane gas.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

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

**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED  
OAHU SURVEY SITES: 2002 TO 2004**

Site	2002	2003	2004
Pali Highway at tunnels	47,000	45,851	46,783
Likelike Highway at tunnels	32,227	(NA)	(NA)
H-1 Freeway at Manoa-Palolo Drainage Canal	(NA)	111,380	111,434
H-1 Freeway at Kapalama Drainage Canal Bridge	210,138	218,083	217,290
Nimitz Highway at Kapalama Drainage Canal Bridge	74,923	(NA)	77,719
Kalaniana'ole Highway east of Ainakoa Ave.	(NA)	(NA)	83,915

NA Not available.

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

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU  
URBANIZED AREA: 1999 TO 2002**

Subject	1999	2000	2001	2002
Population (1,000)	695	695	700	700
Urban area (square miles)	140	140	140	140
Population density (persons/square mile)	4,964	4,964	5,000	5,000
Peak travelers (1,000)	355	359	367	372
Daily vehicle-miles of travel (1,000)				
Freeway	5,715	5,625	5,740	5,775
Principal arterial streets	1,900	1,905	1,850	1,890
Roadway system	11,255	11,300	11,650	11,815
Cost components				
Value of time (\$/hour)	12.40	12.85	13.25	13.45
Commercial cost (\$/hour)	65.80	68.00	69.95	71.05
Fuel cost (\$/gallon)	1.53	1.84	2.00	1.72
Annual delay (person-hours) 1/				
Total (1,000)	9,017	7,050	7,426	6,679
Per peak traveler 2/	25	20	20	18
Per person	13	10	11	10
Number of daily rush hours 3/	6.6	6.6	6.4	6.4
Annual excess fuel consumed 4/				
Total (million gallons)	15	12	13	12
Per peak traveler (gallons)	42	33	34	30
Per person (gallons)	21	17	18	16
Congestion cost 5/				
Total (\$ million)	152	126	138	123
Per peak traveler (\$)	427	351	376	331
Per person (\$)	218	181	197	175

1/ Travel time above that needed to complete a trip at free-flow speeds.

2/ Extra travel time for peak period travel during the year divided by the number of travelers who begin a trip during the peak period (6 to 9 a.m. and 4 to 7 p.m.). Free-flow speeds (60 mph on freeways and 35 mph on principal arterials) are used as the comparison threshold.

3/ Time when system might have congestion.

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

5/ Value of travel time delay (estimated at \$13.45 per hour of person travel and \$71.05 per hour of truck time) and excess fuel consumption (estimated using state average cost per gallon).

Source: Texas Transportation Institute, *2004 Urban Mobility Study*

<[http://mobility.tamu.edu/ums/congestion\\_data/west\\_map.stm](http://mobility.tamu.edu/ums/congestion_data/west_map.stm)> accessed January 5, 2005

**Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1993 TO 2004, AND BY COUNTIES, 2002 TO 2004**

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
1993	21,471	121	13,878	133
1994	19,851	110	13,310	122
1995	16,581	118	13,088	127
1996	13,285	132	11,729	145
1997	12,445	117	11,190	131
1998	11,543	113	10,303	120
1999	10,632	90	9,604	98
2000	11,111	116	9,887	133
2001	10,870	133	8,641	141
2002	2/ 10,663	116	2/ 8,950	120
2003	3/ 11,250	2/ 114	3/ 9,064	2/ 130
2004	(NA)	129	(NA)	143
COUNTIES: 2002				
Honolulu	2/ 6,761	67	2/ 5,426	67
Hawaii	2/ 2,256	27	2/ 1,844	28
Kauai	637	5	524	5
Maui	1,009	17	1,156	20
COUNTIES: 2003				
Honolulu	2/ 7,025	2/ 65	2/ 5,460	2/ 79
Hawaii	3/ 2,313	2/ 29	3/ 1,797	2/ 30
Kauai	2/ 767	5	2/ 558	5
Maui	2/ 1,145	15	2/ 1,249	2/ 16
COUNTIES: 2004				
Honolulu	(NA)	66	(NA)	71
Hawaii	(NA)	33	(NA)	41
Kauai	(NA)	9	(NA)	10
Maui	(NA)	21	(NA)	21

NA Not available.

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

2/ Revised from previous *Data Book*.

3/ Estimated.

Source: Hawaii State Department of Transportation, Highways Division at Kapolei, Traffic Safety Section, records.

**Table 18.21-- TRAFFIC FATALITIES AND HIGHEST BLOOD ALCOHOL CONCENTRATION (BAC)  
IN THE CRASH: 2002 AND 2003**

County 2/	All fatalities	No alcohol BAC = 0.00 1/		Highest blood alcohol concentration in crash 1/					
		Number	Percent	Total number	Percent	BAC = 0.01 - 0.07 1/		BAC = 0.08 + 1/	
						Number	Percent	Number	Percent
2002									
State total	168	124	74	44	26	7	4	37	22
Hawaii	41	28	68	13	32	3	7	10	25
Honolulu	97	76	78	21	22	2	2	19	20
Kauai	5	3	58	2	42	-	-	2	42
Maui	25	18	72	7	28	2	7	5	21
2003									
State total	135	63	47	72	53	18	14	54	40
Hawaii	35	19	54	16	46	2	7	14	40
Honolulu	79	36	45	43	55	11	14	32	41
Kauai	5	3	56	2	44	2	40	-	4
Maui	16	6	34	11	66	3	19	7	46

1/ Blood alcohol content (BAC) is measured in grams per deciliter (g/dl), one decileter = 1/10 liter.

2/ 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).

Source: U.S. Department of Transportation, National Highway Traffic Safety Administration (NHTSA), National Center for Statistics & Analysis (NCSA), Fatality Analysis Reporting System (FARS) Web-based Encyclopedia <[http://www-fars.nhtsa.dot.gov/finalreport.cfm?year=2003&stateid=15&title=States&title2=Alcohol&SpecialRpt=query1\\_county&SpecialRpt\\_lvl=2](http://www-fars.nhtsa.dot.gov/finalreport.cfm?year=2003&stateid=15&title=States&title2=Alcohol&SpecialRpt=query1_county&SpecialRpt_lvl=2)> accessed January 7, 2005.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLANDS:  
2002 TO 2004**

[As of December 31]

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2002	2003	2004	2002	2003	2004
Hawaii	167	160	158	3,816	1,957	1,223
Maui	235	217	(NA)	1,857	1,493	(NA)
Lanai	-	-	(NA)	31	13	(NA)
Molokai	-	-	(NA)	35	24	(NA)
Oahu	1,367	1,319	1,379	129,418	153,098	176,848
Kauai	-	-	-	385	294	264

NA Not available.

1/ Licensed during the calendar year. Taxicabs are licensed annually, except in Kauai County, where registration is not required.

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.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism. Data provided by the Department of Finance of the Counties of Hawaii, Maui and Kauai, and the Department of Customer Services of the City & County of Honolulu.

**Table 18.23-- PASSENGER CAR RENTAL AND LEASING  
(NAICS 53211): 1997 AND 2002**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) System used in earlier Economic Censuses]

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

NA Not available.

1/ Revised from previous *Data Book* .

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

**Table 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTIES:  
2003 AND 2004**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
2003					
State total	2,013	9,522	271,076	5,953	36,885
Hawaii	258	1,518	46,336	1,223	6,225
Maui	332	2,341	58,525	1,078	5,302
Honolulu	1,278	4,928	147,840	3,132	23,310
Kauai	145	735	18,375	520	2,048
2004					
State total	1,986	8,509	204,216	6,089	30,718
Hawaii	245	1,317	31,608	1,236	5,872
Maui	325	2,287	54,888	1,087	4,261
Honolulu	1,267	4,175	100,200	3,173	18,213
Kauai	149	730	17,520	593	2,372

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 2004**

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

<b>Year</b>	<b>Number of buses</b>	<b>Bus mileage 1/</b>	<b>Total passengers 2/</b>	<b>Revenues (dollars)</b>
1993	470	18,120,044	75,557,318	19,837,616
1994	501	18,396,694	77,338,147	23,897,154
1995	508	19,031,466	72,745,086	25,058,736
1996	523	19,090,912	68,923,459	30,420,976
1997	524	19,452,526	68,634,884	29,804,091
1998	525	19,665,805	71,822,553	29,197,402
1999	525	19,639,602	66,236,147	27,819,265
2000	525	20,359,607	66,602,820	27,055,656
2001	529	21,710,838	70,384,025	26,963,518
2002	525	21,800,354	73,524,474	30,602,648
2003	525	21,482,533	69,100,627	30,114,566
2004	536	19,380,256	61,297,980	33,652,238

1/ Estimated number of vehicle miles.

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

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

**Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2005**

[In dollars]

Effective date	One-way cash fare 1/		Monthly pass 2/	
	Adult	Youth	Adult	Youth
March 1, 1971	.25	.15	(X)	(X)
March 2, 1971	.25	.10	(X)	(X)
June 9, 1972 3/	.25, .50	.10, .25	(X)	(X)
March 15, 1974	.25	.10	(X)	(X)
November 1, 1979	.50	.25	15.00	7.50
June 18, 1984	.60	.25	15.00	7.50
October 1, 1993	.85	.25	20.00	7.50
July 1, 1995	1.00	.50	25.00	12.50
July 1, 2001	1.50	.75	27.00	13.50
July 1, 2003	1.75	.75	30.00	13.50
October 1, 2003 4/	2.00	1.00	40.00	20.00

X Not applicable.

1/ In addition, there have been special fares for senior citizens, persons with a disability, service to and from Pearl Harbor, and the Stadium Express during many of these years.

2/ In addition, there have been special passes for senior citizens and persons with a disability.

3/ Zone fares initiated and later eliminated.

4/ Most recent changes. Monthly pass: senior citizen (5.00 with senior card), person with a disability (5.00 with disability card). Annual pass: adult (440.00), youth (220.00), senior citizen (30.00 with senior card).

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records <<http://www.thebus.org/Fare/Fare.asp>> accessed July 7, 2005.

**Table 18.27-- STEAM RAILROAD MILEAGE AND PASSENGERS:  
1987 TO 2004**

[The Lahaina Kaanapali & Pacific Railroad operates between Lahaina and Kaanapali on the island of Maui and the Hawaiian Railway operates in the Ewa District on the island of Oahu]

Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway		Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway	
	Miles of track	Passengers	Miles of track	Passengers		Miles of track	Passengers	Miles of track	Passengers
1987	6.0	244,555	(NA)	(NA)	1996	6.0	418,099	6.5	19,678
1988	6.0	285,139	(NA)	(NA)	1997	6.0	369,327	6.5	20,850
1989	6.0	296,391	(NA)	(NA)	1998	6.0	(NA)	6.5	19,763
1990	6.0	308,910	(NA)	(NA)	1999	6.0	281,161	7.0	14,733
1991	6.0	316,079	(NA)	(NA)	2000	(NA)	(NA)	7.0	13,962
1992	6.0	385,261	(NA)	(NA)	2001	(NA)	(NA)	7.0	14,982
1993	6.0	388,484	(NA)	(NA)	2002	(NA)	(NA)	7.0	17,882
1994	6.0	390,862	5.0	1/ 12,821	2003	(NA)	(NA)	7.0	15,970
1995	6.0	447,211	6.5	16,704	2004	(NA)	(NA)	7.0	15,013

NA Not available.

1/ Data incomplete.

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

**Table 18.28-- AIRPORTS AND HELIPORTS, BY CONTROL,  
BY ISLANDS: 2002 AND 2003**

[As of December 31]

Island	Airports 1/				Heliports 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
<b>2002</b>						
State total	9	7	6	1	-	6
Hawaii	2	2	1	-	-	5
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-
<b>2003</b>						
State total	9	7	6	1	-	6
Hawaii	2	2	1	-	-	5
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-

1/ Excludes private airports.

2/ Excludes military and private heliports.

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

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

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

**Table 18.29-- HONOLULU INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 2000 TO 2003**

[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

1/ Include itinerant air carrier and air taxi only.

2/ Include air carrier, commuter and international.

3/ Among 100 cities, 1 is highest.

Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary Fiscal Years 2001-2015*, FAA-APO-01-7 (December 2001); *Fiscal Years 2002-2020*, FAA-APO-03-2 (April 2003); *Fiscal Years 2003-2020*, FAA-APO-04-1 (March 2004); *Fiscal Years 2004-2020*, FAA-APO-05-1 (March 2005), table S-4 <<http://www.api.faa.gov/pubs.asp?Lev2=1>> accessed May 11, 2005.

**Table 18.30-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2000 TO 2003**

<b>Airport</b>	<b>Total operations</b>	<b>Air carrier</b>	<b>Air taxi</b>	<b>General aviation</b>	<b>Military</b>
<b>2000</b>					
Honolulu International	345,771	206,870	31,539	91,484	15,878
Kahului	174,855	63,799	77,779	29,983	3,294
Kona International	98,052	29,561	9,547	47,021	11,923
Lihue	113,850	33,645	57,883	17,800	4,522
Hilo International	115,546	22,266	48,680	32,908	11,692
Molokai	44,691	1,484	27,385	11,869	3,953
Kalaeloa	160,157	-	532	133,466	26,159
<b>2001</b>					
Honolulu International	327,006	186,000	37,676	86,283	17,047
Kahului	160,324	55,937	69,635	31,816	2,936
Kona International	107,793	27,183	10,926	55,094	14,590
Lihue	103,655	30,593	55,586	12,230	5,246
Hilo International	96,238	19,450	42,426	25,077	9,285
Molokai	43,806	1,138	26,890	12,532	3,246
Kalaeloa	183,600	-	264	159,631	23,705
<b>2003</b>					
Honolulu International	301,919	165,406	46,012	74,293	16,208
Kahului	151,558	47,295	76,261	24,169	3,833
Kona International	119,210	22,317	14,524	66,798	15,571
Lihue	97,576	23,833	48,767	19,961	5,015
Hilo International	99,415	12,829	47,774	28,163	10,649
Molokai	40,944	656	27,116	11,450	1,722
Kalaeloa	166,160	-	1,162	141,397	23,601

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2003* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed May 17, 2005.

**Table 18.31-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:  
1991 TO 2003**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	Hilo International Airport 1/	Kona International Airport 2/	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

1/ Formerly General Lyman Field; new name became effective July 1, 1989.

2/ 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; *Airport Activity Statistics Calendar Year 2003* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed May 18, 2005.

**Table 18.32-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS  
SERVING HAWAII: 1997 TO 2004**

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

<b>Service</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
All carriers	40	40	43	45
Transpacific only	25	27	29	27
Domestic	12	12	12	11
Foreign	13	15	17	16
Transpacific and interisland	6	4	4	5
Interisland only	9	9	10	13
Passenger carriers	6	5	6	7
Cargo and mail only	3	4	4	6
<b>Service</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
All carriers	46	47	46	45
Transpacific only	26	27	28	27
Domestic	11	11	12	11
Foreign	15	16	16	16
Transpacific and interisland	5	7	5	5
Interisland only	15	13	13	13
Passenger carriers	7	7	7	7
Cargo and mail only	8	6	6	6

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

**Table 18.33-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR  
ARRIVING FLIGHTS: 2002 TO 2004**

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

<b>Airport</b>	<b>2002</b>	<b>2003 1/</b>	<b>2004</b>
State of Hawaii	8,252,306	8,557,770	9,317,245
Honolulu International	6,320,832	6,349,083	6,817,343
Kahului	1,283,488	1,444,386	1,590,819
Kona International	459,598	482,371	596,376
Lihu'e	188,388	281,930	312,707
Domestic	5,461,558	5,951,644	6,576,993
International	2,790,748	2,606,126	2,740,252

1/ Revised from previous *Data Book*.

Source: Official Airline Guide, *FlightDisk Worldwide Edition*.

**Table 18.34-- CIVIL FLYING: 1990 TO 1993 and 1996**

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

NA Not available.

1/ Aircraft based in Hawaii. Data based on small samples with large standard errors (in 1996, 34.6 percent for aircraft and 52.3 percent for hours).

2/ Mechanics, parachute riggers, ground instructors, dispatchers, flight navigators, and flight engineers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual).

**Table 18.35-- SELECTED STATISTICS FOR ALOHA AND HAWAIIAN  
AIRLINES: 2002 AND 2003**

Subject	Aloha Airlines		Hawaiian Airlines	
	2002	2003	2002	2003
Operating aircraft (year-end)	25	25	26	26
Employees, full-time equivalents	2,196	2,477	2,969	2,966
Aircraft departures	62,509	58,482	52,291	50,416
Revenue passengers (1,000) 1/	4,367	4,119	5,183	5,597
Revenue passenger miles (million) 2/	1,605	1,968	4,450	5,560
Passenger revenues (\$million) 2/	278	340	529	627
Cargo revenues (\$million)	37	40	20	28
Operating revenues (\$million)	329	393	632	706
Operating profit/loss (\$million)	(23)	(8)	(55)	60
Net profit/loss (\$million)	(44)	1	(58)	(48)

1/ Scheduled service only. For the 2002 data, the category title was "Revenue Passengers (Thousands)", but for the 2003 data the category title was "Revenue Passengers Enplaned (Thousands)".

2/ Scheduled service only.

Source: Air Transport Association, *2004 Economic Report*, p. 22  
<<http://www.airlines.org/econ/files/2004AnnualReport.pdf>> accessed May 18, 2005.

**Table 18.36-- HAWAII LOCATIONS AMONG THE TOP 30 DOMESTIC AIRLINE MARKETS: 1998 TO 2003**

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

Rank	Origin or destination	Passengers (1,000)
<b>1998</b>		
6	Honolulu - Kahului	2,541
16	Honolulu - Lihue	1,637
18	Honolulu - Kona	1,467
25	Honolulu - Los Angeles	1,335
<b>1999</b>		
7	Honolulu - Kahului	2,691
16	Honolulu - Lihue	1,749
22	Honolulu - Kona	1,459
26	Honolulu - Los Angeles	1,389
<b>2000</b>		
8	Honolulu - Kahului	2,607
16	Honolulu - Lihue	1,733
24	Honolulu - Kona	1,466
<b>2001 1/</b>		
6	Honolulu - Kahului	2,120
13	Honolulu - Lihue	1,528
21	Honolulu - Kona	1,218
25	Honolulu - Hilo	1,132
<b>2002 1/</b>		
6	Honolulu - Kahului	2,019
13	Honolulu - Lihue	1,430
20	Honolulu - Kona	1,263
25	Honolulu - Hilo	1,103
<b>2003 1/</b>		
6	Honolulu - Kahului	1,791
21	Honolulu - Lihue	1,220
24	Honolulu - Kona	1,165

1/ Top 25 domestic airline markets.

Source: Air Transport Association, *2004 Economic Report*, p. 27

<<http://www.airlines.org/econ/files/2004AnnualReport.pdf>> accessed May 18, 2005.

**Table 18.37-- OVERSEAS AND INTER-ISLAND AIR PASSENGER  
MOVEMENTS: 1988 TO 2003**

[Data include both revenue and non-revenue passengers]

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

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo. Includes passengers from the West Coast, Canada, Europe, and the Central and South Pacific.

Source: Hawaii State Department of Transportation, Airports Division, records, *Airport Activity Statistics Calendar Year 2003* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed May 18, 2005.

**Table 18.38-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2002**

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
<b>OVERSEAS</b>						
Total	7,370,010	7,414,344	160,476	167,626	25,746	49,133
Honolulu	5,792,148	5,751,123	138,337	157,673	24,470	49,116
Kahului	1,112,000	1,119,599	12,471	7,049	944	16
Kona 3/	294,798	366,760	9,668	2,819	332	1
Lihue	171,064	176,862	-	85	-	-
<b>INTERISLAND</b>						
Total	8,587,568	8,587,568	74,052	74,052	15,069	15,069
Honolulu	3,947,739	4,026,089	49,395	23,260	12,775	1,964
Kahului	1,591,870	1,593,034	5,266	16,362	1,476	7,932
Kona 3/	1,004,859	935,322	4,379	10,457	193	3,512
Lihue	1,118,687	1,112,042	3,750	10,235	372	511
Hilo	703,391	698,273	10,459	11,597	252	1,690
Waimea-Kohala	1,530	1,532	2	3	-	-
Hana	2,569	2,368	38	41	-	-
Kapalua	41,336	41,177	258	295	-	-
Molokai	103,139	105,622	414	856	1	-
Kalaupapa	2,381	2,224	13	193	-	-
Lanai	70,050	69,851	78	753	-	-
Princeville 4/	17	34	-	-	-	-

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

2/ Excludes overseas passengers in transit (232,806 passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

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

**Table 18.39-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2003**

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
<b>OVERSEAS</b>						
Total	2/ 7,472,568	7,492,272	196,265	184,328	36,282	46,515
Honolulu	2/ 5,637,009	5,566,407	171,508	173,899	35,076	46,479
Kahului	1,271,118	1,282,431	15,699	8,184	773	35
Kona 3/	321,379	397,057	9,058	2,127	433	1
Lihue	243,062	246,263	-	118	-	-
Hilo	-	114	-	-	-	-
<b>INTERISLAND</b>						
Total	7,820,545	7,820,545	73,094	73,094	17,458	17,458
Honolulu	3,642,671	3,719,548	50,022	20,928	14,378	3,033
Kahului	1,414,088	1,414,634	6,134	18,101	1,547	7,557
Kona 3/	948,007	876,123	4,670	9,981	656	3,620
Lihue	1,001,742	996,728	3,691	10,908	850	1,728
Hilo	599,635	596,901	7,555	11,033	6	1,302
Upolu	-	2	-	-	-	-
Waimea-Kohala	3,437	3,237	1	24	-	137
Hana	3,863	3,810	23	61	-	-
Kapalua	47,569	48,027	285	337	-	-
Molokai	97,180	100,163	617	815	19	39
Kalaupapa	5,947	5,097	17	174	-	9
Lanai	56,406	56,275	79	732	2	33

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

2/ Excludes overseas passengers in transit (125,253 passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

Source: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics Calendar Year 2003* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed May 17, 2005.

**Table 18.40-- AIR CARGO AND AIRMAIL: 1989 TO 2003**

Calendar year	Overseas air cargo (in thousands of pounds)		Overseas airmail (in thousands of pounds)		Interisland (in thousands of pounds)	
	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

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

**Table 18.41-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,  
BY DESTINATION: JULY 2004**

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

<b>Destination</b>	<b>Flights during week</b>	<b>Destination</b>	<b>Flights during week</b>
Transpacific	804	Canada	23
		Vancouver	23
U.S.	611	Japan	121
West	520	Fukuoka	7
Burbank	14	Nagoya	7
Denver	8	Osaka	28
Las Vegas	7	Tokyo-Narita	79
Los Angeles	210		
Oakland	35	Other Asia	7
Orange County	21	Seoul	4
Phoenix	11	Taiwan	2
Portland	10		
San Diego	7	Australia / New Zealand	17
San Francisco	7	Auckland	3
San Jose	14	Sydney	14
Sacramento	128		
Salt Lake City	14	Other	24
Seattle	35	Apia	1
		Guam	8
East	91	Manila	3
Chicago	28	Nadi	2
Dallas	21	Pago Pago	6
Houston	21	Papeete	1
Minneapolis	14	Majuro	4
Newark	7		

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

**Table 18.42-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY  
HAWAIIAN AIRLINES: 2000 TO 2004**

[As of July 1]

<b>Category</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
Regular fare	94.50	95.25	99.00	119.00	1/ 133.10
Kamaaina fare					
Monday - Thursday	61.50	65.25	69.00	2/ 69.00	2/ 89.10
Friday - Sunday	63.50	68.25	72.00	2/ 69.00	2/ 89.10

1/ Low capacity-controlled fare is \$111.10.

2/ Kamaaina fare replaced by lowest capacity-controlled fare.

Source: Hawaiian Airlines, records.

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

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

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

1/ As of May 3.

2/ As of June 2.

Source: United Airlines, records.

**Table 18.44-- STATE COMMERCIAL HARBORS: 2004**

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	2,669	122	762
Kawaihae	40	35	1,500	1,450	1,562	23	558
Maui:							
Kahului	35	35	2,400	2,050	3,319	87	1,290
Molokai:							
Kaunakakai	23	23	1,500	600	691	7.4	125
Lanai:							
Kaunapali	60	20-60	(NA)	(NA)	400	-	100
Oahu:							
Honolulu Main	} 45	40	{ 3,300	1,520	} 29,872	1,447	8,935
Kapalama							
Barbers Point	42	38	2,100	1,800	2,990	36	1,838
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,916	76	1,372
Port Allen	35	35	1,500	1,200	1,200	35	32

NA Not available.

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

**Table 18.45-- HARBOR DEPTHS: 2003**

[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 2003 , Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed June 17, 2005.

**Table 18.46-- SMALL CRAFT MOORING FACILITIES,  
BY ISLANDS: DECEMBER 31, 2003**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,888	1,597	311	169	501	291
Hawaii	326	302	-	-	-	51
Maui	188	187	125	-	143	105
Oahu	1,258	1,000	170	155	246	119
Kauai	116	108	16	14	112	16

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.47-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLANDS:  
2003**

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

Island	Number of aids to navigation				Greatest nominal range (naut. miles)	Highest above--	
	By control			Light-houses		Sea level (feet)	Ground (feet)
	Total	Federal	Other 1/				
Total	647	314	333	20	2/ 25	3/ 913	4/ 138
Hawaii	67	54	13	8	24	156	115
Maui	64	25	39	2	24	170	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	1	1	-	-	7	120	20
Lanai	15	8	7	1	8	91	13
Molokai	22	12	10	5	21	213	138
Oahu	337	161	176	4	25	913	71
Kauai	56	27	29	-	25	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	43	38
At sea	64	5	59	-	-	-	-

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

2/ Kaena Point Light and Kilauea Light.

3/ Kaena Point Light.

4/ Molokai Light.

Source: Fourteenth Coast Guard District, records.

**Table 18.48-- UNDOCUMENTED VESSEL REGISTRATION:  
DECEMBER 31, 2003**

Subject	Number	Subject	Number
Registered vessels	15,587	Type of vessel:	
Length:		Aux. powered sailing vessel	1,176
Under 16 feet	5,827	Cabin motorboat	2,668
16 to less than 26 feet	7,918	Open motorboat	5,841
26 to less than 40 feet	1,632	Runabout	2,627
40 to 65 feet	193	Sail only	720
Over 65 feet	17	Motor vessel over 65 feet in length	8
Hull material:		Thrill craft	1,487
Aluminum	522	Other	1,060
Fiberglass / plastic	13,437	Uses:	
Rubber / fabric	770	Pleasure	14,026
Wood	650	Commercial fishing	374
Other	170	Charter fishing	17
Steel	38	Commercial passenger	336
Propulsion:		Other commercial	148
Inboard	6,387	Livery	232
Outboard	3,267	Dealer	25
Inboard / outboard	2,217	Manufacturer	4
Sail / inboard	661	Youth group - fee exempt	88
Sail / outboard	588	Government - fee exempt	305
Sail only	690	Other	32
Manual	240	Island where vessel is kept:	
Other	70	Hawaii	2,521
Waterjet	1,467	Kauai	1,604
Mooring location:		Lanai	84
Moored on water	4,172	Maui	1,733
Moored on land	11,415	Molokai	200
		Oahu	9,445

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual).

**Table 18.49-- NUMBERED VESSELS REGISTERED IN HAWAII:  
1997 TO 2003**

[Non-documented numbered vessels registered with the Hawaii State Department of Land & Natural Resources, Division of Boating & Ocean Recreation. Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered. As of December 31]

<b>Year</b>	<b>Number of vessels</b>	<b>Year</b>	<b>Number of vessels</b>
1997	15,138	2001	14,273
1998	15,138	2002	15,445
1999	15,481	2003	15,587
2000	14,874		

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

**Table 18.50-- BOATING ACCIDENTS: 1991 TO 2002**

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

NA Not available.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual); Hawaii State Department of Transportation, Harbors Division, Boating Branch, *Reportable Boating Accident Statistics for Period 1988 to 1990* and *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 1991 through 1993*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, records.

**Table 18.51-- VESSEL ARRIVALS, BY DRAFT: 2001 AND 2002**

[Excludes domestic fishing craft]

Harbor	2001			2002		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	987	894	93	1,037	879	158
Kawaihae	768	759	9	861	857	4
Kahului	1,595	1,309	286	1,584	1,284	300
Barbers Point	1,887	1,818	69	2,048	1,978	70
Honolulu	7,218	6,309	909	6,393	5,524	869
Nawiliwili	628	586	42	807	699	108
Kalaupapa 1/	1	1	-	4	4	-
Kaunakakai 2/	582	582	-	653	653	-
Port Allen 3/	31	31	-	31	31	-

1/ For 2001, 14 feet and less; for 2002, 12 feet and less.

2/ 21 feet and less.

3/ For 2001, 16 feet and less; for 2002, 14 feet and less.

Source: U.S. Army Corps of Engineers, Navigation Data Center, *Waterborne Commerce of the United States Calendar Year 2002, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed March 5, 2004.

**Table 18.52-- VESSEL ARRIVALS, BY DRAFT: 2003**

[Excludes domestic fishing craft]

<b>Harbor</b>	<b>Total</b>	<b>18 feet and less</b>	<b>19 feet and more</b>
Hilo	1,159	1,018	141
Kawaihae	863	862	1
Kahului	1,499	1,292	207
Barbers Point	1,665	1,596	69
Honolulu	5,690	4,853	837
Nawiliwili	853	741	112
Kalaupapa 1/	4	4	-
Kaunakakai 2/	538	(NA)	(NA)
Port Allen 1/	35	35	-

1/ 14 feet and less.

2/ 21 feet and less.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2003, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed June 17, 2005.

**Table 18.53-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1984 TO 2004**

[Fiscal years ended June 30]

Year	Overseas vessels		Inter-island vessels	
	Number	Cargo tonnage	Number	Cargo tonnage
1984	1,686	4,870,182	2,660	2,369,863
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	1,133	1/ 6,674,677	2,418	1/ 1,892,904

NA Not available.

1/ Does not include tonnage for the bunkering category, that is fuel for the use of the vessel to which the fuel is delivered.

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

**Table 18.54-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,  
FOR HONOLULU HARBOR: 1999 TO 2004**

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

<b>Type of passenger</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
In	93,444	84,337	96,299	150,744	222,139	177,701
Out	92,171	84,728	118,738	165,828	219,038	175,382

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

**Table 18.55-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:  
1993 TO 2003**

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

<b>Year</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
1993	1,469	655	2,216	9,357	10,595	1,283
1994	1,455	736	2,368	9,022	11,672	1,151
1995	1,354	873	2,586	8,233	11,545	1,130
1996	1,442	969	2,828	8,745	12,010	1,203
1997	1,489	980	2,895	8,162	12,704	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

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2003, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed June 17, 2005.

**Table 18.56-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC, FOR SPECIFIED HARBORS: 2002**

[In 1,000 short tons]

<b>Category</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
All freight traffic	1,765	1,645	3,458	5,990	16,636	1,619
Foreign						
Inbound	-	-	-	2,298	1/ 4,212	-
Outbound	-	-	-	99	2/ 586	-
Canadian						
Inbound	-	-	-	23	57	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	1,765	1,645	3,458	3,570	11,781	1,619
Receipts	1,301	1,100	2,353	1,959	6,472	1,005
Shipments	464	545	1,106	1,611	5,295	613
Internal & intraport	-	-	-	-	14	-

1/ Includes 1,261 tons of in-transits.

2/ Includes 92 tons of in-transits.

Source: U.S. Army Corps of Engineers, Navigation Data Center, *Waterborne Commerce of the United States Calendar Year 2002, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed March 5, 2004.

**Table 18.57-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,  
FOR SPECIFIED HARBORS: 2003**

[In 1,000 short tons]

<b>Category</b>	<b>Hilo</b>	<b>Kawaihae</b>	<b>Kahului</b>	<b>Barbers Point</b>	<b>Honolulu</b>	<b>Nawiliwili</b>
All freight traffic	1,850	1,801	3,778	5,930	17,836	1,721
Foreign						
Inbound	-	-	-	2,357	1/ 4,887	-
Outbound	-	-	-	222	2/ 489	-
Canadian						
Inbound	-	-	-	-	31	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	1,850	1,801	3,778	3,351	12,428	1,721
Receipts	1,300	1,211	2,439	1,951	6,632	1,132
Shipments	549	590	1,339	1,398	5,792	588
Internal & intraport	-	-	-	2	4	-

1/ Includes 1,372 tons of in-transits.

2/ Includes 81 tons of in-transits.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2003, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed June 17, 2005.

**Table 18.58-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2002**

[In 1,000 short tons]

Port and commodity	Total	Coastwise	
		Receipts	Shipments
Hilo	1,765	1,301	464
Petroleum and petroleum products	429	429	-
Primary manufactured goods	838	490	348
Food and farm products	151	112	39
Manufactured equipment, machinery and products	275	209	66
Kawaihae	1,645	1,100	545
Primary manufactured goods	1,166	749	417
Food and farm products	104	95	9
Manufactured equipment, machinery and products	302	193	109
Kahului	3,458	2,353	1,106
Petroleum and petroleum products	550	550	-
Primary manufactured goods	1,960	1,176	784
Food and farm products	292	157	136
Manufactured equipment, machinery and products	484	320	165
Barbers Point	5,990	1/ 4,280	2/ 1,710
Petroleum and petroleum products	5,548	3,977	1,571
Primary manufactured goods	263	175	88
Honolulu	16,636	3/ 10,741	4/ 5,895
Petroleum and petroleum products	4,337	3,870	467
Primary manufactured goods	5,615	2,637	2,979
Food and farm products	1,847	1,124	723
Manufactured equipment, machinery and products	3,344	2,074	1,270
Nawiliwili	1,619	1,005	613
Primary manufactured goods	1,104	599	504
Food and farm products	101	81	20
Manufactured equipment, machinery and products	296	208	88

1/ Includes foreign and Canadian inbound.

2/ Includes foreign outbound.

3/ Includes foreign and Canadian inbound, and foreign inbound in-transits.

4/ Includes foreign outbound, and foreign outbound in-transits.

Source: U.S. Army Corps of Engineers, Navigation Data Center, *Waterborne Commerce of the United States Calendar Year 2002, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wsc/wsc.htm>> accessed March 5, 2004.

**Table 18.59-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,  
FOR SPECIFIED HARBORS: 2003**

[In 1,000 short tons]

Port and commodity	Total	Coastwise	
		Receipts	Shipments
Hilo	1,850	1,300	549
Petroleum and petroleum products	373	373	-
Primary manufactured goods	923	516	407
Food and farm products	169	123	46
Manufactured equipment, machinery and products	310	239	71
Kawaihae	1,801	1,211	590
Primary manufactured goods	1,335	856	480
Food and farm products	145	114	31
Manufactured equipment, machinery and products	256	185	71
Kahului	3,778	2,439	1,339
Petroleum and petroleum products	524	523	2
Primary manufactured goods	2,104	1,223	882
Food and farm products	414	200	214
Manufactured equipment, machinery and products	552	364	188
Barbers Point	5,930	1/ 4,308	2/ 1,622
Petroleum and petroleum products	4,715	1/ 3,370	2/ 1,346
Primary manufactured goods	382	1/ 276	2/ 106
Honolulu	17,836	3/ 11,550	4/ 6,285
Petroleum and petroleum products	5,203	5/ 4,824	4/ 379
Primary manufactured goods	6,014	5/ 2,757	4/ 3,257
Food and farm products	2,050	3/ 1,219	4/ 831
Manufactured equipment, machinery and products	3,631	5/ 2,191	4/ 1,440
Nawiliwili	1,721	1,132	588
Primary manufactured goods	1,133	657	476
Food and farm products	97	81	16
Manufactured equipment, machinery and products	369	277	92

1/ Includes foreign inbound.

2/ Includes foreign outbound.

3/ Includes foreign and Canadian inbound, and foreign inbound in-transits.

4/ Includes foreign outbound, and foreign outbound in-transits.

5/ Includes foreign inbound, and foreign inbound in-transits.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2003, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wesc/wesc.htm>> accessed June 17, 2005.

**Table 18.60-- TRANSPORTATION AND WAREHOUSING SUMMARY STATISTICS  
FOR THE STATE: 1997**

[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. Therefore, comparability between the 1992 and the 1997 data may be limited]

<b>NAICS code</b>	<b>Kind of business</b>	<b>Establishments (number)</b>	<b>Revenue (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees for pay period including March 12 (number)</b>
48-49	Transportation & warehousing 1/ 2/	686	1,249,280	427,727	16,684
481	Air transportation 1/	32	117,500	20,369	777
483	Water transportation	23	184,212	36,876	1,092
484	Truck transportation	190	242,560	81,023	2,897
485	Transit & ground passenger transportation	86	114,434	89,033	3,547
487	Scenic & sightseeing transportation	150	267,338	81,517	4,346
488	Support activities for transportation	134	194,910	79,929	2,551
492	Couriers & messengers	54	83,146	32,075	1,229
493	Warehousing & storage	17	45,180	6,905	245

1/ Data do not include large certificated passenger carriers that report to the Office of the Airline Statistics, U.S. Department of Transportation.

2/ Railroad transportation and U.S. Postal Service are out of scope for the 1997 Economic Census.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation and Warehousing, Geographic Area Series*, EC97T48A-HI (January 2000).

**Table 18.61-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND  
DESTINATION: 1997**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	11,272	22,290	1,330
Destination:			
Hawaii	10,773	22,072	648
California	234	146	388
Washington	38	12	44
Other states	227	60	250
Mode of transportation:			
Single modes:			
Truck	6,696	12,066	153
Water	349	(S)	(S)
Air (includes truck and air)	357	55	42
Pipeline	1,305	7,162	(S)
Multiple modes:			
Parcel, U.S. Postal Service or courier	570	13	6
Truck and water	1,139	779	563
Other multiple modes	(S)	(S)	202
Other and unknown modes	725	734	89
Distance shipped:			
Less than 50 miles	8,854	19,874	239
50 to 249 miles	1,914	2,194	407
250 to 1,999 miles	5	(S)	(S)
2,000 miles or more	499	218	682
Commodity: 1/			
Other agricultural products 2/	326	(S)	(S)
Meat, fish, seafood & their preparations	973	241	20
Other prepared foodstuffs, fats & oils	1,274	1,305	631
Gasoline/aviation turbine fuel	2,187	7,387	193
Fuel oils	748	4,622	(S)
Pharmaceutical products	515	6	1
Printed products	545	369	9
Textiles, leather, and articles of textiles or leather	577	27	3
Electronic and other 3/	467	33	3

S Data do not meet publication standards due to high sampling variability or other reasons.

1/ Based on the Standard Classification of Transported Goods (SCTG) coding system. Includes subgroups not shown separately.

2/ Excluding live animals, live fish and cereal grains.

3/ Electronic and other electrical equipment and components and office equipment.

Source: U.S. Census Bureau, *1997 Economic Census, Transportation, 1997 Commodity Flow Survey, Hawaii*, EC97-TCF-HI (December 1999), tables 1a, 3, 6 and 7.