
Section 6

COMMUNICATION & TRANSPORTATION

This section covers statistics on communications and transportation.

Newspapers, radio and television station statistics are included in the first section (6.1). Under transportation, statistics on fuel usage, rental cars, registered drivers, aircraft and water craft facilities and freight traffic are presented.

With almost 45,000 tons of cargo and mail passing through Kahului Airport and just under 3,000,000 tons passing through Kahului Harbor, water transport remains the primary way goods reach Maui.

The transportation statistics are mostly taken from the Hawaii State Department of Transportation.

6.1.1

AVERAGE PAID CIRCULATION OF THE MAUI NEWS

For 12 month period ending March 31

Year	Monday-Thursday	Friday	Saturday	Sunday
1990	17,230	20,383		19,405
1991	17,531	20,728		19,939
1992	17,845	21,089		20,822
1993	18,334	21,504		21,827
1994	18,615	21,691		22,246
1995	18,816	21,865		23,441
1996	18,379	21,234		23,866
1997	17,710	20,346		23,992
1998	17,142	19,634		24,098
2001	18,880	21,069	18,718	25,090

Note: 1994 to 1997 average year circulation calculated from quarterly averages. Maui News started publishing Saturday edition in 2001.

SOURCE: Audit Bureau of Circulations, "Maui News Audit Report," 1990-1998 and Maui News records 2001.

6.1.2

AVERAGE DISTRIBUTION OF OTHER NEWSPAPERS, MAUI COUNTY

Haleakala Times	12,000	bi-monthly
Lahaina News	12,000	bi-monthly
South Maui Times	12,000	weekly
The Lana'i Times	3,000	monthly
The Molokai Advertiser-News	5,500	weekly

SOURCE: *South Maui Times*, *Lahaina News*, *The Molokai Advertiser-News*, *The Lana'i Times*, and *Haleakala Times*, staff.

6.1.3

CABLE TELEVISION COMPANIES, SUBSCRIBERS AND REVENUES, BY COUNTIES

	Maui	Hawaii	Honolulu	Kauai	State Total
Number of Companies¹					
Dec. 31, 1995	2	3	2	2	6
Dec. 31, 1996	2	2	2	2	4
Dec. 31, 1997	2	2	2	1	3
Dec. 31, 1998	3	2	2	1	4
Dec. 31, 1999	3	2	2	1	2
Subscribers					
Dec. 31, 1995	34,652	32,223	251,863	20,100	338,838
Dec. 31, 1996	35,507	32,876	252,261	20,306	340,950
Dec. 31, 1997	35,937	32,926	254,167	17,408	340,438
Dec. 31, 1998	49,761	34,459	256,436	17,679	358,335
Dec. 31, 1999	51,835	34,268	253,981	18,189	358,273
Basic Service Revenue (\$1,000)					
1995	9,589	7,020	48,852	4,261	69,722
1996	9,706	9,068	53,627	4,884	77,285
1997	10,200	9,486	60,045	5,369	85,099
1998	11,797	10,674	65,650	5,615	93,735
1999	12,719	12,107	72,522	5,783	103,131

¹ State totals are unduplicated figures; one company provided service to three counties.

SOURCE: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division, records.

6.1.4

RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, MAUI COUNTY

Station	State Total	Maui County
Commercial Stations		
AM	28	4 ¹
FM	36	9
TV ²	20	5
Non-commercial Stations		
AM	1	—
FM	5	1
TV ²	2	1

¹ Excludes one commercial AM station with studio on Oahu but transmitter on Molokai.

² Includes satellites but excludes translators and cable television.

SOURCE: Federal Communications Commission, Mass Media Bureau, Audio Services and Video Services Divisions, records.

6.2.1

LIQUID FUEL TAX BASE, MAUI COUNTY

Thousands of gallons

	1993	1994	1995	1996	1997	1998	1999	2000
Total	92,744	103,581	108,258	105,444	111,889	111,316	125,852	127,738
Gasoline	48,211	50,324	50,852	51,854	52,863	52,855	54,543	57,861
Diesel Oil, Non-highway	38,421	36,790	37,482	32,694	32,361	26,735	31,191	28,289
Diesel Oil, Highway Use	2,616	3,235	2,920	3,453	3,743	3,987	4,564	4,097
Liquid Petroleum Gas, Off Highway	515	532	547	569	609	560	602	634
Liquid Petroleum Gas, Highway Use	36	27	30	26	21	22	20	14
Small Boats, Gasoline		2						
Aviation Fuel ¹	2,944	12,669	16,426	16,847	22,293	27,157	34,931	36,842

¹ 1993 is low due to change in carrier fueling and new fuel storage tank. Source:

Source: Hawaii State Department of Taxation, "Liquid Fuel Tax Base and Tax Collections, Calendar Year Ending December 31, 2000" (annual release)

6.2.2

GASOLINE AVERAGE PRICES PER GALLON, FOR ALL U.S. CITIES AND OAHU, ANNUAL AVERAGES

In dollars; average prices include all applicable federal, state, and county taxes

Year	U.S.	Oahu
1984	1.198	1.450
1985	1.196	1.392
1986	0.931	1.206
1987	0.957	1.233
1988	0.964	1.293
1989	1.060	1.365
1990	1.217	1.479
1991	1.196	1.560

SOURCE: Based on data in the U.S. Bureau of Labor Statistics, *CPI Detailed Report* (monthly). The 1984-1986 Honolulu prices and all U.S. averages are actual values; the 1987-1991 Honolulu prices are estimates based on actual prices for the last half of 1986 and CPI(U) changes for gasoline for subsequent years.

6.2.3

HIGHWAY DISTANCES, ISLAND OF MAUI

Route	Statute Miles
Wailuku-Kahului	2.3
Wailuku-Kahului Airport	4.2
Wailuku-Hana, via Keanae	53.7
Wailuku-Hana, via Kaupo	59.8
Wailuku-Haleakala summit	38.2
Wailuku-Makena	17.6
Wailuku-Lahaina, via Kahakuloa	38.0
Wailuku-Lahaina, via Olowalu	20.9
Kahului-Kihei	7.9
Lahaina-Wailea	32.4
Lahaina-Napili	8.9
Lahaina-Kaanapali	3.7

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

6.2.4

HAWAII DRIVERS LICENSES IN FORCE AND VEHICLE REGISTRATION, BY TYPE OF VEHICLE, MAUI COUNTY

Taxable and non-taxable; includes vehicles registered but subsequently scrapped or shipped out of state

	1994	1995	1996	1997	1998	1999
Drivers Licenses in Force (as of December 31)	80,643	79,639	80,988	82,217	84,980	87,550
All Vehicles	113,429	115,312	119,961	119,626	123,596	128,204
Motor Vehicles	110,708	112,529	117,214	116,878	120,818	125,404
Passenger vehicles ¹	85,857	86,889	91,067	90,573	93,912	97,565
Ambulances	13	12	12	10	11	13
Buses	422	440	405	328	328	342
Trucks ¹	22,315	23,026	23,610	23,935	24,474	25,268
Truck tractors	144	137	118	111	104	96
Truck cranes	93	89	86	79	74	72
Motorcycles ²	1,864	1,936	1,916	1,842	1,915	2,048
Trailers and Semi-trailers	2,721	2,783	2,747	2,748	2,778	2,800

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

² Including motor scooters but excluding mopeds (1.5 HP or less), legally classified as bicycles.

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

6.2.5

MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES

Year	HIGHWAY FUEL CONSUMPTION ¹		VEHICLE MILES OF TRAVEL	
	Total (1,000 gallons)	Gallons per Vehicle ²	Total (millions)	Per Vehicle ²
State of Hawaii				
1982	323,827	482	6,048.3	9,007
1983	327,769	NA	NA	NA
1984	339,491	473	6,486.3	9,044
1985	345,672	461	6,761.5	9,027
1986	357,716	464	6,970.7	9,034
1987	367,984	461	7,217.2	9,041
1988	378,988	464	7,400.8	9,052
1989	395,945	463	7,748.1	9,062
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	7944.1	9,051
1996	426,370	482	8005.9	9,050
1997	421,499	477	8003.0	9,050
Maui County				
1991	49,037	434	1,013.7	8,962
1992	48,985	445	988.3	8,971
1993	50,715	460	988.5	8,971
1994	53,933	487	993.9	8,973
1995	53,634	477	1010.1	8,977
1996	55,346	473	1049.5	8,968
1997	53,771	461	1046.0	8,963

¹ Includes gasoline, diesel oil, and butane gas. Gasohol was no longer used in motor vehicles after June 1982.

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.

NA: Not available.

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

6.2.6

AIRCRAFT OPERATIONS BY TYPE OF AIRCRAFT, MAJOR STATE-OWNED AIRPORTS

2000	Kahului	Honolulu International	Kona International (Keahole)	Lihue	Hilo International	Molokai
All Movements	174,855	345,771	98,052	113,850	115,546	44,691
Air Carrier	63,799	206,870	29,561	33,645	22,266	1,484
Air Taxi	77,779	31,539	9,547	57,883	48,680	27,385
General Aviation	29,983	91,484	47,021	17,800	32,908	11,869
Military	3,294	15,878	11,923	4,522	11,692	3,953

SOURCE: Hawaii State Department of Transportation, Airports Division, *Airport Activity Statistics, Calendar Year 2001*.

6.2.7

AIRCRAFT OPERATIONS BY TYPE OF AIRCRAFT, KAHULUI AND MOLOKAI AIRPORTS

	1993	1994	1995	1996	1997	1998	1999	2000
Kahului Airport								
All Movements	172,265	179,227	179,883	178,590	173,342	180,890	188,385	174,855
Air Carrier	51,648	56,393	65,791	67,136	64,599	63,336	62,883	63,799
Air Taxi	77,212	85,373	80,349	78,722	81,105	84,546	92,569	77,779
General Aviation	37,097	33,292	30,691	29,976	25,211	29,509	29,575	29,983
Military	6,308	4,169	3,052	2,756	2,427	3,499	3,358	3,294
Molokai Airport								
All Movements	39,057	38,369	45,517	49,221	44,667	49,353	49,184	44,691
Air Carrier	100	1,443	1,194	1,003	1,017	1,163	1,469	1,484
Air Taxi	26,512	25,637	30,365	34,753	31,290	30,080	30,286	27,385
General Aviation	9,465	8,452	9,460	10,744	10,844	15,425	14,169	11,869
Military	2,980	2,833	4,498	2,721	1,516	2,685	3,260	3,953

NOTE: Definitions. **Aircraft operations:** Total aircraft movements, landings and takeoffs, combined. Reported by the United States Federal Aviation Administration's air traffic control towers. **Air carrier:** Large commercial aircraft having more than 60 seats. **Air taxi:** Small commercial aircraft having 60 seats or less. **General aviation:** All types of civil aviation including private jets, corporate jets, and helicopters. General aviation excludes commercial and military aircraft operations. **Military:** All military aircraft, including military helicopters.

Source: Hawaii State Department of Transportation, Airports Division. Calendar Year 2000.

6.2.8

PASSENGERS, CARGO AND MAIL, OVERSEAS AND INTERISLAND, MAUI COUNTY AIRPORTS

Airport	1997		1998		1999		2000	
	En- planed	De- planed	En- planed	De- planed	En- planed	De- planed	En- planed	De- planed
Passengers								
OGG interisland	2,208,703	2,070,434	211,692	1,981,652	2,129,704	2,017,788	2,141,313	2,075,141
OGG overseas	770,110	828,364	837,015	910,058	854,706	969,881	965,586	1,009,205
MKK	125,471	126,766	124,917	127,675	132,540	137,212	124,670	128,838
LNY	88,777	89,626	88,035	88,584	88,598	87,043	80,761	80,644
JHM	88,485	89,444	72,573	72,355	68,336	66,966	61,128	60,187
HNM	5,126	4,955	4,877	4,605	4,184	3,909	8	9
LUP	4,393	4,232	4,546	4,408	4,150	3,996	1,148	1,007
Cargo (U.S. Tons)								
OGG interisland	8,984	22,122	5,587	14,517	5,324	14,911	6,147	17,872
OGG overseas	6,988	5,772	6,804	5,179	6,945	5,937	7,390	6,688
MKK	263	710	319	888	441	967	485	847
LNY	154	721	136	717	112	665	76	642
JHM	236	482	237	489	277	360	273	316
HNM	1	0	4	0	42	11	25	10
LUP	1	6	8	153	15	174	12	190
Mail (U.S. Tons)								
OGG interisland	2,195	4,643	2,199	7,643	2,263	7,592	2,089	7,575
OGG overseas	167	23	642	25	1,102	1	641	32
MKK	31	35	54	121	35	204	5	171
LNY	37	31	38	74	15	113	1	99
JHM	0	0	0	4	0	0	0	0
HNM	0	0	0	0	0	0	0	0
LUP	0	0	1	4	1	3	0	5

NOTES: Interisland traffic is interstate only; overseas includes both international and U.S. mainland flights. Kahului is the only Maui County airport offering overseas flights.

AIRPORT KEY:

OGG	Kahului	JHM	Kapalua
MKK	Molokai	HNM	Hana
LNY	Lanai	LUP	Kalaupapa

Source: Hawaii State Department of Transportation, Airports Division

6.2.9

KAHULUI HARBOR FREIGHT TRAFFIC BY COMMODITY

In thousands of tons

Commodity	Grand Total	Foreign Imports	Foreign Exports	Domestic		
				Total	Receipts	Shipments
Grand Total	3,513	34	-	3,479	2,125	1,353
Coal, Lignite & Coal Coke Total	31	31	-	-	-	-
1100 Coal Lignite	31	31	-	-	-	-
Petroleum and Petroleum Products Total	563	3	-	559	554	6
2211 Gasoline	193	-	-	193	193	-
2330 Distillate Fuel Oil	226	-	-	225	225	1
2340 Residual Fuel Oil	126	-	-	126	121	5
2350 Lube Oil & Greases	2	-	-	2	2	0
2640 Liquid Natural Gas	15	3	-	12	12	-
2990 Petro. Products NEC	1	-	-	1	1	-
Chemicals and Related Products Total	37	0	-	37	37	0
3110 Nitrogenous Fert.	2	-	-	2	2	-
3190 Fert. & Mixes NEC	20	-	-	20	20	0
3274 Sodium Hydroxide	1	-	-	1	1	-
3275 Inorg. Elem., Oxides, & Halogen Salts	0	-	-	0	0	-
3276 Metallic Salts	9	-	-	9	9	-
3281 Radioactive Material	0	-	-	0	-	0
3282 Pigments & Paints	1	-	-	1	1	0
3284 Medicines	0	-	-	0	0	-
3285 Perfumes & Cleansers	2	-	-	2	2	0
3286 Plastics	1	-	-	1	1	-
3291 Pesticides	1	-	-	1	1	-
3293 Explosives	0	-	-	0	0	-
Crude Materials, Inedible Except Fuels Total	167	-	-	167	134	32
4189 Lumber	51	-	-	51	41	10
4190 Forest Products NEC	0	-	-	0	0	-
4225 Pulp & Waste Paper	5	-	-	6	0	5
4331 Sand & Gravel	99	-	-	99	84	15
4338 Soil & Fill Dirt	1	-	-	1	1	-
4420 Iron & Steel Scrap	7	-	-	7	5	2
4782 Clay & Refrac. Mat.	1	-	-	1	1	-
4900 Non-Metal. Min. NEC	1	-	-	1	1	-
Primary Manufactured Goods Total	1,577	-	-	1,577	904	673
5110 Newsprint	2	-	-	2	2	-
5120 Paper & Paperboard	1	-	-	1	1	0
5190 Paper Products NEC	13	-	-	13	13	0
5210 Lime	0	-	-	0	0	-
5220 Cement & Concrete	45	-	-	45	45	-
5240 Glass & Glass Prod.	1	-	-	1	1	0
5290 Misc. Mineral Prod.	14	-	-	14	14	-
5360 I&S Bars & Shapes	1	-	-	1	1	0
5370 I&S Pipe & Tube	6	-	-	6	6	0
5480 Fab. Metal Products	1,489	-	-	1,489	817	673
5540 Primary Wood Prod.	5	-	-	5	5	-

6.2.9

CONTINUED

Commodity	Grand Total	Foreign Imports	Foreign Exports	Domestic		
				Total	Receipts	Shipments
Food and Farm Products Total	646	–	–	646	177	469
6134 Fish (Not Shellfish)	0	–	–	0	0	0
6442 Rice	3	–	–	3	3	–
6654 Vegetables & Prod.	10	–	–	10	10	0
6746 Wheat Flour	1	–	–	1	1	–
6747 Grain Mill Products	0	–	–	0	0	–
6781 Hay & Fodder	1	–	–	1	1	–
6782 Animal Feed, Prep.	10	–	–	10	10	–
6811 Meat, Fresh, NEC	10	–	–	10	10	0
6822 Dairy Products	4	–	–	4	4	–
6839 Animals & Prod. NEC	6	–	–	6	4	2
6857 Fruit & Nuts NEC	2	–	–	2	2	–
6858 Fruit Juices	112	–	–	112	–	112
6861 Sugar	237	–	–	237	0	237
6865 Molasses	110	–	–	110	–	110
6871 Coffee	0	–	–	0	0	–
6885 Alcoholic Beverages	22	–	–	22	22	–
6887 Groceries	10	–	–	10	10	–
6889 Food Products NEC	106	–	–	106	99	7
6899 Farm Products NEC	2	–	–	2	2	0
All Manufactured Equipment, Machinery and Products Total	492	0	–	492	320	173
7110 Machinery (Not Elec)	16	–	–	16	8	8
7120 Electrical Machinery	1	–	–	1	1	0
7210 Vehicles & Parts	243	–	–	243	150	94
7220 Aircraft & Parts	0	–	–	0	0	–
7230 Ships & Boats	1	–	–	1	1	0
7400 Manufac. Wood Prod.	2	0	–	2	2	0
7500 Textile Products	1	–	–	1	1	0
7600 Rubber & Plastic Pr.	1	–	–	1	1	0
7900 Manufac. Prod. NEC	227	0	–	227	156	71
Unknown or Not Elsewhere Classified Total		0	–	–	0	0 –
9900 Unknown or NEC	0	–	–	0	0	–

NOTES: Totals may not add due to rounding. Tonnage figures are rounded. A zero represents less than 500 tons but more than zero. Blanks mean zero tons. Commodity codes are standardized to reflect the Standard Industrial Trade Classification (SITC) Revisi

SOURCE: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Part 4, Waterways and Harbors, Pacific Coast, Alaska and Hawaii*, calendar year 1999.

6.2.10

VESSEL ARRIVALS FOR KAHULUI HARBOR

Excludes domestic fishing craft

	1993	1994	1995	1996	1997	1998	1999
Total Inbound Vessels	1,257	1,228	1,238	1,333	1,259	1,351	1,442
By Type of Vessel							
Self propelled vessels							
Passenger and dry cargo	31	35	27	35	22	45	55
Tanker	2	0	0	1	0	3	2
Towboat or tugboat	452	362	443	539	534	584	614
Non-self propelled vessels							
Dry cargo	691	736	687	676	615	618	656
Tanker	81	95	81	82	88	101	115
By Draft							
18 feet and less	1,233	1,202	1,211	1,280	1,061	1,152	1,160
19 feet and more	24	26	27	53	198	199	282

SOURCE: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Part 4, Waterways and Harbors, Pacific Coast, Alaska and Hawaii*, calendar years 1993-1999.

6.2.11

FREIGHT TRAFFIC FOR KAHULUI HARBOR

Freight Traffic (In thousand short tons)

1988	2,156
1989	2,278
1990	2,408
1991	2,434
1992	2,357
1993	2,216
1994	2,368
1995	2,586
1996	2,828
1997	2,895
1998	2,851
1999	3,513

SOURCE: U.S. Department of the Army, Corps of Engineers, *Waterborne Commerce of the United States, Part 4, Waterways and Harbors, Pacific Coast, Alaska and Hawaii*, calendar years 1988-1999.