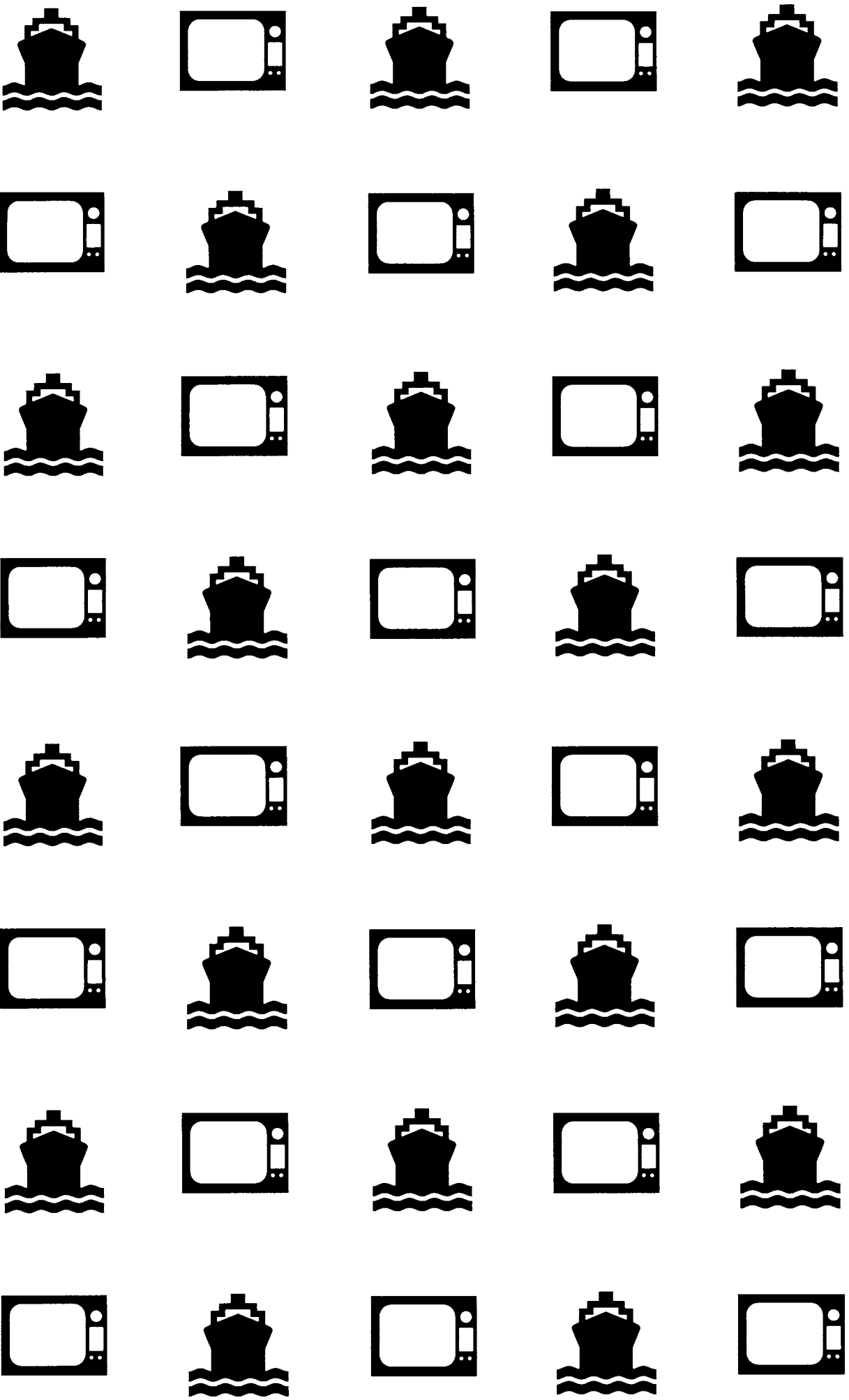


Communication & Transportation



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 47,000 tons of cargo and mail passing through Kahului Airport and just under 3,500,000 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
2002	21,214 ¹		26,525	
2003	21,631		26,833	

NOTE: 1994 to 1997 average year circulation calculated from quarterly averages. The Maui News started publishing a Saturday edition in 2001.
¹ Monday through Saturday.

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

6.1.2

AVERAGE DISTRIBUTION OF OTHER NEWSPAPERS, MAUI COUNTY

Haleakala Times	15,000	bi-monthly
Lahaina News	12,000	bi-weekly
Maui Weekly	32,000	weekly
The Lana'i Times	4,000	monthly
The Molokai Advertiser-News	3,000	weekly

SOURCE: Maui Weekly, 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, 1997	2	2	2	1	3
Dec. 31, 1998	3	2	2	1	4
Dec. 31, 1999	3	2	2	1	2
Dec. 31, 2000	3	3	1	2	2
Dec. 31, 2001	3	3	1	2	2
Dec. 31, 2002	3	3	1	2	1
Subscribers²					
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
Dec. 31, 2000	47,695	34,974	262,681	18,451	363,801
Dec. 31, 2001	48,422	36,436	264,871	18,675	368,424
Dec. 31, 2002	49,202	39,753	269,681	21,028	379,664
Basic Service Revenue (\$1,000)					
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
2000	14,409	13,717	78,158	6,547	112,831
2001	15,761	14,482	85,830	7,010	123,083
2002	16,809	15,016	91,301	7,549	130,675

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

² Hawaiian Cablevision has redefined multiunit as expressed by Federal rules.

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	5 ¹
FM	40	10
TV ²	23	5
Non-commercial Stations		
AM	1	—
FM	8	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

	1995	1996	1997	1998	1999	2000	2001	2002
Total	108,258	105,444	111,889	111,316	125,852	127,738	107,449	145,548
Gasoline	50,852	51,854	52,863	52,855	54,543	57,861	56,585	59,380
Diesel Oil, Non-highway	37,482	32,694	32,361	26,735	31,191	28,289	25,580	36,566
Diesel Oil, Highway Use	2,920	3,453	3,743	3,987	4,564	4,097	4,151	4,839
Liquid Petroleum Gas, Off Highway	547	569	609	560	602	634	590	167
Liquid Petroleum Gas, Highway Use	30	26	21	22	20	14	16	19
Small Boats, Gasoline								
Aviation Fuel	16,426	16,847	22,293	27,157	34,931	36,842	20,525	44,561

Source: Hawaii State Department of Taxation, "Liquid Fuel Tax Base and Tax Collections, Calendar Year Ending December 31, 2002" (annual release), and records.

6.2.2

GASOLINE PRICES PER GALLON FOR HAWAII, AND HAWAII RANKING JULY 16, 2002

Over 60,000 retail gasoline self-serve stations are surveyed daily. Prices are in cents per gallon. Rank of 1 indicates highest price per gallon. Rank is among 50 states and District of Columbia.

	Regular	Mid	Premium	Diesel
Hawaii	1.717	1.815	1.849	2.017
Hawaii Rank	1	1	1	1
U. S. Average	1.396	1.482	1.535	1.364
Hawaii as percent of U.S. Average	123.0	122.5	120.5	147.9

Source: AAA's Daily Fuel Gauge Report© Copyright, Oil Price Information Service (<http://198.6.95.31/sbsavg.asp>) released and accessed July 16, 2002.

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	17.9
Wailuku-Lahaina, via Kahakuloa	38.0
Wailuku-Lahaina, via Olowalu	20.9
Kahului-Kihei	8.2
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

	1995	1996	1997	1998	1999	2000	2001	2002
Drivers Licenses in Force (as of December 31)	79,639	80,988	82,217	84,980	87,550	90,964	93,595	97,045
All Vehicles	115,312	119,961	119,626	123,596	128,204	135,554	139,546	141,511
Motor Vehicles	112,529	117,214	116,878	120,818	125,404	132,636	136,473	138,058
Passenger vehicles ¹	86,889	91,067	90,573	93,912	97,565	103,329	105,879	106,384
Ambulances	12	12	10	11	13	13	12	12
Buses	440	405	328	328	342	324	308	291
Trucks ¹	23,026	23,610	23,935	24,474	25,268	26,690	27,868	28,696
Truck tractors	137	118	111	104	96	98	99	99
Truck cranes	89	86	79	74	72	68	62	62
Motorcycles ²	1,936	1,916	1,842	1,915	2,048	2,114	2,245	2,514
Trailers and semi-trailers	2,783	2,747	2,748	2,778	2,800	2,918	3,073	3,453

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				
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	455,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	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	1,010.1	8,977
1996	55,346	473	1,049.5	8,968
1997	53,771	461	1,046.0	8,963
1998	56,241	467	1,079.7	8,959
1999	59,560	477	1,119.5	8,958
2000	60,598	459	1,182.6	8,955
2001	61,922	456	1,216.9	8,956
2002	65,142	474	1,231.9	8,958

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.

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

6.2.6

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

2001	Kahului	Honolulu International	Kona International (Keahole)	Lihue	Hilo International	Molokai
All Movements	160,324	327,006	107,793	103,655	96,238	43,806
Air Carrier	55,937	186,000	27,183	30,593	19,450	1,138
Air Taxi	69,635	37,676	10,926	55,586	42,426	26,890
General Aviation	31,816	86,283	55,094	12,230	25,077	12,532
Military	2,936	17,047	14,590	5,246	9,285	3,246

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

	1994	1995	1996	1997	1998	1999	2000	2001
Kahului Airport								
All Movements	179,227	179,883	178,590	173,342	180,890	188,385	174,855	160,324
Air Carrier	56,393	65,791	67,136	64,599	63,336	62,883	63,799	55,937
Air Taxi	85,373	80,349	78,722	81,105	84,546	92,569	77,779	69,635
General Aviation	33,292	30,691	29,976	25,211	29,509	29,575	29,983	31,816
Military	4,169	3,052	2,756	2,427	3,499	3,358	3,294	2,936
Molokai Airport								
All Movements	38,369	45,517	49,221	44,667	49,353	49,184	44,691	43,806
Air Carrier	1,443	1,194	1,003	1,017	1,163	1,469	1,484	1,138
Air Taxi	25,637	30,365	34,753	31,290	30,080	30,286	27,385	26,890
General Aviation	8,452	9,460	10,744	10,844	15,425	14,169	11,869	12,532
Military	2,833	4,498	2,721	1,516	2,685	3,260	3,953	3,246

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, *Airport Activity Statistics, Calendar Year 2001*.

6.2.8

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

Airport	1997		1998		1999		2000		2001	
	En-planed	De-planed	En-planed	De-planed	En-planed	De-planed	En-planed	De-planed	En-planed	De-planed
Passengers										
OGG										
interisl.	2,208,703	2,070,434	211,692	1,981,652	2,129,704	2,017,788	2,141,313	2,075,141	1,449,602	2,132,627
OGG										
overseas	770,110	828,364	837,015	910,058	854,706	969,881	965,586	1,009,205	1,067,849	1,079,015
MKK	125,471	126,766	124,917	127,675	132,540	137,212	124,670	128,838	106,898	108,740
LNY	88,777	89,626	88,035	88,584	88,598	87,043	80,761	80,644	72,714	72,822
JHM	88,485	89,444	72,573	72,355	68,336	66,966	61,128	60,187	47,609	47,781
HNM	5,126	4,955	4,877	4,605	4,184	3,909	3,779	3,533	2,933	2,781
LUP	4,393	4,232	4,546	4,408	4,150	3,996	1,148	1,007	1,295	1,252
Cargo (U.S. Tons)										
OGG										
interisl.	8,984	22,122	5,587	14,517	5,324	14,911	6,147	17,872	6,135	17,321
OGG										
overseas	6,988	5,772	6,804	5,179	6,945	5,937	7,390	6,688	7,919	5,511
MKK	263	710	319	888	441	967	485	847	486	836
LNY	154	721	136	717	112	665	76	642	73	612
JHM	236	482	237	489	277	360	273	316	278	304
HNM	1	0	4	0	42	11	25	10	51	16
LUP	1	6	8	153	15	174	12	190	15	170
Mail (U.S. Tons)										
OGG										
interisl.	2,195	4,643	2,199	7,643	2,263	7,592	2,089	7,575	1,977	7,176
OGG										
overseas	167	23	642	25	1,102	1	641	32	1,133	136
MKK	31	35	54	121	35	204	5	171	22	62
LNY	37	31	38	74	15	113	1	99	9	37
JHM	0	0	0	4	0	0	0	0	0	0
HNM	0	0	0	0	0	0	0	0	0	0
LUP	0	0	1	4	1	3	0	5	1	3

NOTE: Interisland traffic is intrastate 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, *Airport Activity Statistics, Calendar Year 2001*.

6.2.9

KAHULUI HARBOR FREIGHT TRAFFIC BY COMMODITY

In thousands of tons

2001 Commodity	Grand Total	Foreign Imports	Foreign Exports	Domestic		
				Total	Receipts	Shipments
Grand Total	3,965	–	–	3,539	2,257	1,281
Total Coal						
1100 Coal Lignite	116	116	–	–	–	–
Petroleum and Petroleum Products Total	516	–	–	516	515	1
2211 Gasoline	190	–	–	190	189	1
2330 Distillate Fuel Oil	217	–	–	217	217	–
2340 Residual Fuel Oil	91	–	–	91	91	–
2350 Lube Oil & Greases	2	–	–	2	2	0
2640 Liquid Natural Gas	15	–	–	15	15	–
2990 Petro. Products NEC	1	–	–	1	1	–
Chemicals and Related Products Total	34	–	–	34	34	0
3110 Nitrogenous Fert.	3	–	–	3	3	–
3190 Fert. & Mixes NEC	25	–	–	25	25	–
3274 Sodium Hydroxide	1	–	–	1	1	–
3275 Inorg. Elem., Oxides, & Halogen Salts	0	–	–	0	0	–
3281 Radioactive Material	0	–	–	0	–	0
3282 Pigments & Paints	1	–	–	1	1	0
3284 Medicines	1	–	–	1	1	–
3285 Perfumes & Cleansers	1	–	–	1	1	0
3286 Plastics	2	–	–	2	2	–
3291 Pesticides	0	–	–	0	0	–
3293 Explosives	0	–	–	0	0	–
Crude Materials, Inedible Except Fuels Total	171	–	–	171	140	30
4189 Lumber	70	–	–	70	67	3
4190 Forest Products NEC	1	–	–	1	0	1
4225 Pulp & Waste Paper	5	–	–	5	0	5
4331 Sand & Gravel	79	–	–	79	59	20
4338 Soil & Fill Dirt	1	–	–	1	1	–
4420 Iron & Steel Scrap	14	–	–	14	12	1
4900 Non-Metal. Min. NEC	0	–	–	0	0	–
Primary Manufactured Goods Total	1,872	–	–	1,830	1,036	794
5110 Newsprint	2	–	–	2	2	–
5120 Paper & Paperboard	1	–	–	1	1	–
5190 Paper Products NEC	18	–	–	18	16	2
5220 Cement & Concrete	91	41	–	50	50	–
5240 Glass & Glass Prod.	1	–	–	1	1	–
5290 Misc. Mineral Prod.	20	–	–	20	20	–
5360 I&S Bars & Shapes	2	–	–	2	2	–
5370 I&S Pipe & Tube	3	–	–	3	3	–
5480 Fab. Metal Products	1,734	–	–	1,734	941	792
5540 Primary Wood Prod.	0	–	–	0	0	–

6.2.9

CONTINUED

2001 Commodity	Grand Total	Foreign Imports	Foreign Exports	Domestic		
				Total	Receipts	Shipments
Food and Farm Products Total	467	–	–	467	189	278
6134 Fish (Not Shellfish)	0	–	–	0	0	–
6442 Rice	3	–	–	3	3	–
6653 Vegetable Oils	0	–	–	0	0	–
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.	8	–	–	8	8	–
6811 Meat, Fresh, Frozen	6	–	–	6	6	0
6817 Meat, Prepared	0	–	–	0	0	–
6822 Dairy Products	1	–	–	1	1	–
6839 Animals & Prod. NEC	4	–	–	4	2	2
6857 Fruit & Nuts NEC	0	–	–	0	0	–
6858 Fruit Juices	96	–	–	96	1	95
6861 Sugar	105	–	–	105	0	105
6865 Molasses	69	–	–	69	–	69
6871 Coffee	0	–	–	0	0	0
6885 Alcoholic Beverages	22	–	–	22	22	0
6887 Groceries	14	–	–	14	14	–
6889 Food Products NEC	123	–	–	123	117	7
6899 Farm Products NEC	3	–	–	3	3	1
Mfg'd Equipment, Machinery and Products Total	521	–	–	521	343	177
7110 Machinery (Not Elec)	14	–	–	14	6	8
7120 Electrical Machinery	1	–	–	1	1	0
7210 Vehicles & Parts	246	–	–	246	151	96
7220 Aircraft & Parts	0	–	–	0	0	–
7230 Ships & Boats	0	–	–	0	0	0
7300 Ordnance & Access.	0	–	–	0	0	0
7400 Manufac. Wood Prod.	4	–	–	4	4	0
7500 Textile Products	1	–	–	1	1	0
7600 Rubber & Plastic Pr.	1	–	–	1	1	0
7900 Manufac. Prod. NEC	253	–	–	253	180	73
Unknown or Not Elsewhere Classified Total	0	–	–	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) Revision 3 commodity codes. *Grand Total*: specifically represents the sum total of all the different traffics, including all domestic and foreign traffic. *Foreign Imports*: inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in foreign countries other than Canada. *Canadian Imports*: inbound domestic merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in Canada. *Domestic*: domestic traffic receiving a carriage over the ocean. *Receipts*: traffic moving from one location to another where the destination is the subject port. *Shipments*: traffic moving from one location to another where the origin is the subject port.

NEC: not elsewhere classified.

I&S: iron and steel.

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 2001.

6.2.10

VESSEL ARRIVALS FOR KAHULUI HARBOR

Excludes domestic fishing craft

	1994	1995	1996	1997	1998	1999	2000	2001
Total Inbound Vessels	1,228	1,238	1,333	1,259	1,351	1,442	1,453	1,595
By Type of Vessel								
Self propelled vessels								
Passenger and dry cargo	35	27	35	22	45	55	54	69
Tanker	0	0	1	0	3	2	0	2
Towboat or tugboat	362	443	539	534	584	614	665	375
Non-self propelled vessels								
Dry cargo	736	687	676	615	618	656	624	744
Tanker	95	81	82	88	101	115	110	105
By Draft								
18 feet and less	1,202	1,211	1,280	1,061	1,152	1,160	1,198	1,305
19 feet and more	26	27	53	198	199	282	255	220

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 1994-2001.

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
2000	3,477
2001	3,695

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 1988-2000.