

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.

Motor vehicle registration in Hawaii increased from 495,000 in 1974 to 717,000 in 1984. Vehicle miles rose during the same period from 3.9 billion to 6.5 billion. Hawaii residents purchased 45,500 new passenger cars and 6,600 trucks in 1983. By the end of that year, 575,000 licensed drivers had access to 4,073 miles of streets and highways throughout the State. Bus passengers carried by the Honolulu Mass Transit Lines increased from 37 million in 1973 to 75 million in 1983. Registered bicycles numbered 108,000 in 1974 and 71,000 in 1983.

Most scheduled interisland travel is now by air. In 1983, airlines and air taxis reported 7.0 million interisland passengers, more than two times their 1970 total, and carried 55,000 tons of cargo. The State has 8 commercial airports, 15 general aviation, military or semi-private airports, 10 civilian heliports, 3,327 active pilots, and about 426 active civil aircraft in general aviation.

Rapid growth is similarly evident in transpacific travel. Although surface passenger arrivals dropped from 54,000 in 1959 to 741 in 1983, air arrivals increased during the same 24-year span from 224,000 to 4.8 million. Overseas cargo received in the State in 1981 amounted to 51,000 tons by air and 9.4 million tons by ship.

Undocumented State-registered vessels as of December 31, 1983 numbered 12,604, compared with 12,049 in 1973. Median length was 18 feet, and four-fifths were stored on land. There were 1,203 documented vessels in the State in 1984, double the 1971 total.

The chief source for transportation statistics is the Hawaii State Department of Transportation and its Highways, Harbors and Airports Divisions. Other sources include the U.S. Coast Guard, Civil Aeronautics Board, Federal Aviation Administration, Federal Highway Administration, Army Corps of Engineers, Honolulu Department of Transportation Services and Department of Data Systems, 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. Similar statistics for other areas are reported in Statistical Abstract of the United States: 1984, Sections 22 and 23.

Table 509.-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLANDS: DECEMBER 31, 1983

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

Island	Total ^{1/}	Paved	Unpaved
State total	4,073.50	3,762.97	310.53
Hawaii	1,566.71	1,411.96	154.75
Maui	611.10	540.69	70.41
Lanai	45.83	31.83	14.00
Molokai	127.16	115.15	12.00
Oahu	1,374.66	1,338.06	36.60
Kauai	348.04	325.27	22.77
Niihau	-	-	-

^{1/} Includes 36.27 miles of freeway, all on Oahu.

Source: Hawaii State Department of Transportation, data provided September 19, 1984.

Table 510.-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 1983

Island	Number of bridges	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
State total	1,093	Pearl City Viad. .	5,946	Nanue	208
Hawaii ...	251	Hakalau	775	Nanue	208
Maui	150	Kaliainui	324	Uaoa	79
Lanai	-	None	None
Molokai ..	19	Manawainui	325	Manawainui	50
Oahu	592	Pearl City Viad. .	5,946	Kipapa	156
Kauai	81	Kalihiwai	798	Wahiawa, Koloa ..	90
Niihau ...	-	None	None

Source: Hawaii State Department of Transportation, Highways Division, information provided April 4, 1984.

Table 511.-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 1983

Island and name of tunnel	Length (feet)
All tunnels	9,376
Oahu:	
Pali No. 1: Inbound	1,000
Outbound	1,080
Pali No. 2: Inbound	500
Outbound	497
Wilson: Inbound	2,775
Outbound	2,813
Middle Street (CD)	393
Maui:	
Olowalu	318

Source: Hawaii State Department of Transportation, Highways Division, information submitted April 4, 1984.

Table 512.-- SIGNALIZED INTERSECTIONS AND METERED PARKING SPACES, BY ISLANDS: DECEMBER 31, 1980

Island	Signal-ized inter-sections	Metered parking spaces	
		On-street	Off-street
State total	586	3,442	4,308
Hawaii	30	458	291
Maui	14	-	26
Lanai	-	-	-
Molokai	-	-	16
Oahu	537	2,984	3,887
Kauai	5	-	88
Niihau	-	-	-

Source: Compiled by the Hawaii State Department of Planning and Economic Development from State and County agencies.

Table 513.-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE: 1974 TO 1984

[Taxable and non-taxable, including military non-resident exempt vehicles]

Year	All vehicles registered	Motor vehicles			
		All motor vehicles	Passenger vehicles <u>1/</u>	Ambulances, hearses, patrol wagons	Buses
1974	510,627	495,037	420,228	90	1,951
1975	522,421	506,434	430,043	88	2,186
1976	551,438	535,217	452,616	82	2,624
1977	580,380	563,964	475,368	81	2,888
1978	599,990	583,601	489,878	84	3,052
1979	626,841	610,570	510,353	91	3,267
1980	633,846	617,571	514,669	85	3,366
1981	667,019	649,350	541,932	88	3,577
1982	689,468	671,513	566,060	80	3,863
1983	(NA)	(NA)	(NA)	(NA)	(NA)
1984	735,458	717,171	599,845	68	4,034
Motor vehicles -- continued					
Year	Trucks <u>1/</u>	Truck tractors, tow trucks	Truck crane, misc.	Motorcycles, motor scooters <u>2/</u>	Trailers and semi-trailers
1974	59,759	1,796	766	10,447	15,590
1975	63,134	1,877	733	8,373	15,987
1976	68,215	1,866	680	9,134	16,221
1977	73,762	1,848	609	9,408	16,416
1978	78,447	1,809	560	9,771	16,389
1979	84,578	1,784	511	9,986	16,271
1980	87,542	1,725	488	9,696	16,275
1981	90,954	1,641	458	10,700	17,669
1982	88,410	1,395	388	11,317	17,955
1983	(NA)	(NA)	(NA)	(NA)	(NA)
1984	101,233	1,428	364	10,199	18,287

Footnotes and source on next page.

Table 513.-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:
1974 TO 1984 -- Con.

NA Not available.

1/ Beginning in 1979, vans and other trucks under 6,500 lb. in personal use were legally classified as passenger vehicles, but the data shown here have been adjusted to continue inclusion of such vehicles in the totals for trucks.

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

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulations.

Table 514.-- MOTOR VEHICLES REGISTERED, BY COUNTIES:
1974 TO 1984

[Taxable and non-taxable, including military non-resident exempt vehicles. Includes passenger cars, buses, trucks, and motorcycles but excludes trailers and semi-trailers]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1974	495,037	381,502	51,064	22,802	39,669
1975	506,434	387,558	53,124	23,764	41,988
1976	535,217	406,149	57,151	25,300	46,617
1977	563,964	424,892	60,374	26,920	51,778
1978	583,601	436,347	63,025	27,614	56,615
1979	610,570	452,449	67,718	29,492	60,911
1980	617,571	454,316	70,047	30,604	62,604
1981	649,350	476,995	75,812	32,932	63,611
1982	671,513	495,629	77,024	33,931	64,929
1983	(NA)	(NA)	(NA)	(NA)	(NA)
1984	717,171	525,599	80,840	35,236	75,496

NA Not available.

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulations.

Table 515.-- PASSENGER VEHICLES REGISTERED, BY COUNTIES:
1974 TO 1984

[Taxable and non-taxable, including military non-resident exempt vehicles. Excludes ambulances, hearses, buses, trucks, motorcycles, and trailers]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1974	420,228	331,266	39,428	18,135	31,399
1975	430,043	336,953	41,048	18,873	33,169
1976	452,616	352,148	43,826	19,882	36,760
1977	475,368	367,398	46,072	21,001	40,897
1978	489,878	376,260	47,764	21,411	44,443
1979 ^{1/} ...	510,353	388,788	51,159	22,790	47,616
1980	514,669	389,576	52,682	23,561	48,850
1981	541,932	409,305	57,397	25,363	49,867
1982	566,060	429,244	59,103	26,297	51,416
1983	(NA)	(NA)	(NA)	(NA)	(NA)
1984	599,845	447,872	63,182	27,376	61,415

NA Not available.

^{1/} Beginning in 1979, vans and other trucks under 6,500 lb. in personal use were legally classified as passenger vehicles, but the 1979 and subsequent data shown here have been adjusted to continue inclusion of such vehicles in the totals for trucks.

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulations.

Table 516.-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR COUNTIES: 1984
 [Taxable and non-taxable, including military non-resident exempt vehicles]

Type of vehicle	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All vehicles	735,458	535,449	85,077	37,202	77,730
Motor vehicles	717,171	525,599	80,840	35,236	75,496
Passenger vehicles <u>1/</u>	599,845	447,872	63,182	27,376	61,415
Ambulances <u>2/</u>	68	50	11	3	4
Buses	4,034	3,148	266	188	432
Trucks <u>1/</u> ,	101,233	65,377	15,944	7,255	12,657
Truck tractors <u>3/</u>	1,428	757	334	137	200
Truck cranes <u>4/</u>	364	151	97	41	75
Motorcycles <u>5/</u>	10,199	8,244	1,006	236	713
Trailers and semi-trailers ..	18,287	9,850	4,237	1,966	2,234

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

2/ Including hearses and patrol wagons.

3/ Including tow trucks.

4/ Including miscellaneous vehicles.

5/ Including motorscooters but excluding mopeds (1.5 HP or less), legally classified as bicycles.

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulation.

Table 517.-- AUTOMOBILES, TRUCKS, AND VANS AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTIES: 1980

Number and type of vehicles available	The State	Hawaii	Honolulu	Kalawao	Kauai	Maui
Occupied housing units .	294,052	29,237	230,214	71	12,020	22,510
Total:						
None	30,509	2,463	25,628	8	788	1,622
1	115,357	9,193	95,735	18	3,209	7,202
2	94,699	10,775	71,456	25	4,440	8,003
3 or more	53,487	6,806	37,395	20	3,583	5,683
Automobiles:						
None	34,409	3,460	27,625	14	1,086	2,224
1	134,764	13,994	105,944	41	4,860	9,925
2	91,400	8,700	71,137	15	4,274	7,274
3 or more	33,479	3,083	25,508	1	1,800	3,087
Trucks or vans:						
None	238,462	18,112	198,141	29	7,323	14,857
1	50,555	9,657	29,748	28	4,256	6,866
2	4,218	1,206	2,038	13	334	627
3 or more	817	262	287	1	107	160

Source: U.S. Bureau of the Census, 1980 Census of Housing, Detailed Housing Characteristics, Hawaii, HC80-1-B13 (May 1983), tables 61 and 94.

Table 518.-- NEW PASSENGER CARS AND MOTOR TRUCKS
REGISTERED: 1979 TO 1983

Year	Total	Passenger cars	Motor trucks
1979	48,371	40,481	7,890
1980	46,664	37,104	9,560
1981	46,995	39,188	7,807
1982	44,489	37,137	7,352
1983	52,927	42,772	10,155

Source: R.L. Polk and Co., cited in Motor Vehicle Manufacturers Association of the United States, Inc., MVMA Motor Vehicle Facts and Figures for 1981 (p. 15), 1983 (p. 20), and 1984 (p. 18).

Table 519.-- COMPONENTS OF CHANGE IN PASSENGER
VEHICLE REGISTRATION: 1978 TO 1983

Year	Net increase since previous year	New cars registered	Scrapped or shipped out
1978 ..	14,510	44,383	29,873
1979 ..	20,475	40,481	20,006
1980 ..	4,316	37,104	32,788
1981 ..	27,263	39,188	11,925
1982 ..	24,128	37,137	13,009
1983 ..	(NA)	42,772	(NA)

NA Not available.

Source: Net increase from City and County of Honolulu, Department of Data Systems, unpublished tabulations. New cars registered from R. L. Polk and Co. data in the Federal Reserve Bank of San Francisco, Western Economic Indicators, November-December 1979, p., A-10, and Motor Vehicle Manufacturers Association of the United States, MVMA Motor Vehicle Facts and Figures (annual). Vehicles scrapped or shipped out of State computed as a residual.

Table 520.-- NEW PASSENGER CAR AND TRUCK REGISTRATIONS,
BY MAKE, 1983, AND RANK, 1982 AND 1983

Rank		Make	New registrations, 1983		
1982	1983		Total	Passenger cars	Trucks
...	...	All makes	52,123	45,509	6,614
2	1	Toyota	8,497	7,712	785
1	2	Datsun	8,153	7,089	1,064
3	3	Ford	7,127	5,237	1,890
7	4	Chevrolet	4,391	3,318	1,073
5	5	Mazda	3,834	3,517	317
4	6	Honda	3,818	3,818	-
8	7	Dodge	2,264	1,815	449
9	8	Buick	2,042	2,042	-
6	9	Mercury	1,926	1,926	-
14	10	Oldsmobile	1,559	1,559	-
10	11	Subaru	1,000	967	33
12	12	Pontiac	997	997	-
11	13	Volkswagen	958	929	29
23	14	Isuzu	725	404	321
16	15	Plymouth	653	623	30
15	16	Lincoln	575	575	-
25	17	GMC	514	157	357
13	18	Suzuki	513	497	16
17	19	Cadillac	416	416	-
18	20	Chrysler	329	329	-
19	21	BMW	315	315	-
20	22	Jeep	287	264	23
22	23	Volvo	252	252	-
21	24	Mercedes	228	228	-
26	25	Audi	77	77	-
24	26	AMC	72	72	-
27	27	Porsche	59	59	-
...	...	Miscellaneous	542	315	227

Source: Hawaii Automobile Dealers Association, HADA Yearbook 1983-84.

Table 521.-- NEW PASSENGER CAR AND TRUCK REGISTRATIONS, BY PLACE OF MANUFACTURE: 1982 AND 1983

[Percent distributions]

Place of manufacture	All types		Passenger cars		Trucks	
	1982	1983	1982	1983	1982	1983
Total ...	100.0	100.0	100.0	100.0	100.0	100.0
Imports:						
Japanese ...	53.0	50.1	54.2	51.9	43.9	38.3
European ...	4.1	3.6	4.5	4.1	1.1	0.4
Domestics	41.8	44.1	40.6	42.1	51.3	57.8
Not reported .	1.1	2.1	0.7	1.9	3.7	3.4

Source: Hawaii Automobile Dealers' Association, HADA Yearbook 1983-84.

Table 522.-- NEW PASSENGER CAR AND TRUCK SALES, BY COUNTIES: 1983

Type	State total	Hono-lulu	Maui	Hawaii	Kauai
Passenger cars ...	45,509	35,413	4,626	4,161	1,309
Trucks	6,614	5,617	311	378	308

Source: Hawaii Automobile Dealers' Association, HADA Yearbook 1983-84.

Table 523.-- HAWAII DRIVERS LICENSES IN FORCE: 1973 TO 1983

[As of December 31]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1973	495,043	399,672	45,530	20,033	32,808
1974	509,236	409,977	43,907	20,815	34,537
1975	531,375	425,370	46,891	22,153	36,961
1976	541,180	429,559	49,184	22,662	39,775
1977	541,353	424,242	51,773	23,557	41,781
1978	541,263	420,005	54,504	24,381	43,373
1979	543,202	418,751	53,735	25,606	45,110
1980	541,842	411,102	57,780	26,333	46,627
1981	541,279	407,062	60,171	27,261	46,785
1982	561,345	419,468	63,610	28,446	49,821
1983	574,533	428,897	64,560	29,169	51,907

Source: Hawaii State Department of Transportation, Highways Division, information submitted April 4, 1984.

Table 524.-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES:
1974 TO 1984

Year	Highway fuel consumption <u>1/</u>		Vehicle miles of travel <u>2/</u>	
	Total (1,000 gallons)	Gallons per vehicle <u>3/</u>	Total (millions)	Per vehicle <u>3/</u>
1974	279,996	574	3,919.9	8,038
1975	296,160	590	4,146.2	8,263
1976	308,151	574	4,314.1	8,041
1977	324,449	578	4,542.3	8,088
1978	338,440	583	4,738.2	8,164
1979	339,989	560	4,759.9	7,834
1980	330,734	536	5,570.0	9,019
1981	319,588	492	5,855.7	9,018
1982	323,827	482	6,048.3	9,007
1983	327,769	(NA)	(NA)	(NA)
1984	339,491	473	6,486.3	9,044

Footnotes and source follow next table.

Table 525.-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES,
BY COUNTIES: 1984

County	Highway fuel consumption <u>1/</u>		Vehicle miles of travel <u>2/</u>	
	Total (1,000 gallons)	Gallons per vehicle <u>3/</u>	Total (millions)	Per vehicle <u>3/</u>
State total ..	339,491	473	6,486.3	9,044
Honolulu	242,775	465	4,616.1	8,846
Hawaii	43,933	534	805.5	9,791
Kauai	16,560	450	381.5	10,363
Maui	36,223	475	683.2	8,960

NA Not available.

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

2/ Beginning in 1980, based on weighted annual average vehicle miles traveled per type of vehicle by county of inspection, developed from a sampling of the 1978 and 1979 vehicle safety inspection records. Data for 1979 and earlier years based on an average of 14 miles per gallon and thus not comparable to 1980 and later figures.

3/ 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, annual releases and records.

Table 526.-- AVERAGE SPEEDS ON HIGHWAYS, BY TYPE:
1978 TO 1983

[In miles per hour. Years ended September 30]

Year	State-wide	Urban inter-state	Rural		
			Inter-state	Other arterials <u>1/</u>	Major collectors <u>2/</u>
1978	(NA)	54.1	56.3	52.6	52.0
1979	(NA)	54.8	55.7	53.3	53.2
1980	(NA)	53.3	54.5	51.6	51.8
1981	53.0	54.0	55.1	51.1	52.8
1982	54.1	56.6	56.2	51.5	52.4
1983	54.0	56.7	56.5	51.6	51.8

NA Not available.

1/ Data for 1978, 1979 and 1980 refer to multi-lane divided, except interstate.

2/ Data for 1978, 1979 and 1980 refer to two-lane rural.

Source: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics (annual).

Table 527.-- HIGHWAY SPEEDS, BY TYPE OF HIGHWAY: OCTOBER 1982
TO SEPTEMBER 1983

Measurement	State-wide	Urban: inter-state	Rural		
			Inter-state	Other arterials <u>1/</u>	Major collectors
Miles per hour:					
Average speed	54.0	56.7	56.5	51.6	51.8
Median speed	54.5	57.0	57.3	52.1	52.1
85th percentile speed	60.9	63.5	63.4	58.5	58.4
Percent exceeding --					
55 miles per hour	36.7	55.2	58.3	20.4	12.4
60 miles per hour	17.6	25.5	23.8	10.1	14.7
65 miles per hour	5.5	8.8	6.3	2.8	5.3

1/ Principal and minor arterials, except interstate.

Source: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics 1983, pp. 173-174.

Table 528.-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS: 1973 TO 1983

Year	Major traffic accidents <u>1/</u>		Persons injured or killed	
	Total	Fatal	Injured only	Killed
1973	19,544	119	11,860	136
1974	14,855	119	10,022	129
1975	13,895	130	10,554	146
1976	14,860	137	11,667	149
1977	16,188	139	12,245	154
1978	18,545	175	13,327	195
1979	19,158	183	13,963	205
1980	18,301	165	13,026	185
1981	16,582	136	11,999	150
1982	16,407	143	11,865	161
1983	16,372	131	11,852	139

1/ Traffic accidents with damage of \$300 or more (\$100 or more before July 1, 1974) or causing injury or death.
Source follows next table.

Table 529.-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, BY COUNTIES: 1983

County	Major traffic accidents <u>1/</u>		Persons injured or killed	
	Total	Fatal	Injured only	Killed
State total ..	16,372	131	11,852	139
Honolulu	12,284	86	8,747	91
Hawaii	1,951	24	1,607	26
Kauai	741	7	459	8
Maui	1,396	14	1,039	14

1/ Traffic accidents with damage of \$300 or more or causing injury or death.

Source: Hawaii State Department of Transportation, Highways Division, Major Traffic Accidents, State of Hawaii (annual) and records.

Table 530.-- COMMUTING: 1980

Commuting characteristics	State total	Oahu	Other islands
MEANS OF TRANSPORTATION TO WORK			
Workers 16 years and over	457,717	369,523	88,194
Private vehicle	359,207	282,479	76,728
Drive alone: Car	225,767	179,823	45,944
Truck or van	27,401	15,904	11,497
Carpool: Car	93,203	78,997	14,206
Truck or van	12,836	7,755	5,081
Public transportation	38,100	37,042	1,058
Bus or streetcar	37,362	36,447	915
Subway or elevated train	32	32	-
Railroad	6	6	-
Taxicab	700	557	143
Bicycle	5,021	4,679	342
Motorcycle	2,979	2,740	239
Walked only	37,112	31,069	6,043
Other means	6,445	5,134	1,311
Worked at home	8,853	6,380	2,473
PRIVATE VEHICLE OCCUPANCY			
Workers 16 years and over using private vehicles	359,207	282,479	76,728
Drive alone	253,168	195,727	57,441
In 2-person carpool	72,188	59,311	12,877
In 3-person carpool	19,417	16,642	2,775
In 4-person carpool	7,828	6,373	1,455
In 5-or-more-person carpool	6,606	4,426	2,180
Persons per private vehicle	1.20	1.21	1.17
TRAVEL TIME TO WORK			
Workers 16 years and over who did not work at home	448,492	362,086	86,406
Less than 10 minutes	76,444	51,687	24,757
10 to 19 minutes	145,010	113,454	31,556
20 to 29 minutes	89,345	76,166	13,179
30 to 44 minutes	87,941	77,414	10,527
45 or more minutes	49,752	43,365	6,387
Mean	21.5	22.6	17.2
Workers traveling 45 or more minutes minutes .	55.3	55.0	57.3

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 65.

Table 531.-- AUTOMOTIVE RENTAL AND LEASING (WITHOUT DRIVERS)
ESTABLISHMENTS; BY COUNTIES: 1982

[Limited to establishments with payroll]

Subject	State total	Hono- lulu	Hawaii	Kauai	Maui
Number of establishments ..	90	45	16	10	19
Receipts (\$1,000)	137,954	80,805	15,112	11,081	30,956

Source: U.S. Bureau of the Census, 1982 Census of Service Industries, Hawaii, SC82-A-12 (September 1984), pp. 3, 13, 18, and 19.

Table 532.-- REGISTERED TAXIS AND BICYCLES, BY ISLANDS:
1982 AND 1983

[As of December 31]

Island	Taxicabs		Bicycles	
	1982	1983	1982	1983
State total	1,730	1,726	62,017	70,678
Hawaii	76	81	2,467	2,805
Maui	123	123	1,903	2,535
Lanai	2	2	174	152
Molokai	2	-	110	177
Oahu	1,481	1,467	56,173	62,842
Kauai	46	53	1,190	2,167
Niihau	-	-	-	-

Source: Compiled by the Hawaii State Department of Planning and Economic Development from the County Departments of Finance.

Table 533.-- STEAM RAILROAD MILEAGE AND PASSENGERS:
1978 TO 1983

[Data are for the Lahaina, Kaanapali and Pacific Rail Road,
the only passenger railroad in the State]

Calendar year	Miles of track	Passengers
1978	6	94,115
1979	6	103,206
1980	6	111,600
1981	6	125,640
1982	6	155,059
1983	6	172,352

Source: Lahaina, Kaanapali and Pacific Rail Road,
data submitted March 15, 1984.

Table 534.-- BUS PASSENGERS, BY FARE CATEGORY, FOR OAHU:
1981 TO 1983

[Calendar year data for City and County of Honolulu bus system]

Fare category	1981	1982	1983
All passengers	73,546,802	74,109,528	75,051,618
Adults, full fare	38,743,828	39,538,266	40,401,159
Students	16,483,937	15,967,924	15,037,474
School subsidy	209,827	235,927	284,620
Stadium express	16,376	18,828	16,370
Senior citizens and handicapped	9,579,937	9,632,807	11,606,059
Chartered service	11,131	9,259	5,718
Free transfers	8,501,766	8,706,517	7,700,218

Source: MTL, Inc., data provided by the City and County of
Honolulu, Department of Transportation Services.

Table 535.-- BUS SERVICE, FOR OAHU: 1970 TO 1983

[Service provided by Honolulu Rapid Transit Co., Ltd., through December 31, 1970 and by City and County of Honolulu beginning March 1, 1971]

Year	Number of buses, Dec. 31	Bus mileage <u>1/</u>	Passengers <u>2/</u>
1970 <u>3/</u>	141	4,611,357	30,434,906
1971 <u>4/</u>	108	2,986,724	19,413,259
1972	143	4,964,044	31,031,764
1973	315	7,973,393	36,741,009
1974	333	11,670,774	50,519,626
1975	350	13,328,501	58,295,732
1976	350	15,547,127	64,585,334
1977	350	16,242,537	66,311,882
1978	350	15,991,798	67,746,396
1979	350	15,915,000	68,765,000
1980	400	16,579,392	71,601,744
1981	400	16,748,338	73,546,802
1982	400	16,767,816	74,109,528
1983	395	16,654,568	75,051,618

1/ All categories of service through 1978 and revenue vehicle miles (estimated) thereafter. Calendar year data.

2/ All categories of service through 1978 and revenue passengers (including senior citizens and handicapped) as estimated thereafter. Calendar year data.

3/ Passenger total excludes 2,277,502 zone fares.

4/ Bus service by HRT was terminated by a strike that began January 1. The City and County of Honolulu commenced service March 1.

Source: MTL, Inc., data provided by the City and County of Honolulu, Department of Transportation Services.

Table 536.-- BUS REVENUES AND FARES, FOR OAHU: 1973 TO 1983

[Data for the City and County of Honolulu bus system]

Year	Revenues ^{1/} (dollars)	Cash fares, June 30 (cents)	
		Full	School
1973	5,254,908	25/50	10/25
1974	6,807,147	25	10
1975	7,990,505	25	10
1976	9,007,134	25	10
1977	9,629,349	25	10
1978	9,686,876	25	10
1979	9,931,000	25	10
1980 ^{2/}	17,388,760	50	25
1981	17,991,735	50	25
1982	18,269,144	50	25
1983	18,157,876	50	25

^{1/} Fiscal years ending June 30 through 1979 and calendar years 1980 and thereafter.

^{2/} New fare structure, including a monthly pass program, effective November 1, 1979. Regular monthly passes cost \$15.00; student passes \$7.50.

Source: Data from MTL, Inc., provided by the City and County of Honolulu, Department of Transportation Services.

Table 537.-- AIRPORTS AND HELIPORTS, BY CONTROL, BY ISLANDS:
DECEMBER 31, 1983 AND 1984

Island	Airports <u>1/</u>				Heliports <u>2/</u>	
	State		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
State total	8	6	6	3	1	9
Hawaii	3	1	1	1	-	4
Maui	1	1	-	1	-	2
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	3	-	1	-
Kauai	1	1	1	1	-	3
Niihau	-	-	-	-	-	-
French Frigate Shoals	-	-	-	-	-	-
Kure Atoll	-	-	1	-	-	-

1/ Excludes private airports (not available). Changes between 1981 and 1983 reflect the reclassification of Hana and Kalaupapa Airports from commercial to general aviation and the abandonment of the French Frigate Shoals airstrip.

2/ Excludes military and private heliports (not available).

Source: Hawaii State Department of Transportation, Airports Division, information provided January 9, 1984 and January 23, 1985.

Table 538.-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1973 TO 1983

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	General Lyman Field, Hilo	Keahole Airport	Kahului Airport	Lihue Airport
1973	309,144	48,138	38,246	74,443	57,649
1974	305,724	47,715	40,759	74,883	50,821
1975	319,776	51,145	40,622	77,062	53,356
1976	320,565	52,982 ^r	58,425	90,455	58,865
1977	329,926	60,377	83,616	100,655	65,636
1978	379,106	52,677	91,033	125,291	74,583
1979	412,739	51,703	92,235	127,477	71,033
1980	375,408	49,969	66,944	111,573	62,829
1981	339,359	53,274	57,488	102,760	59,404
1982	308,728	47,964	51,889	112,428	65,305
1983	333,038	54,470	66,581	124,288	71,739

^r Revised from Data Book 1983, table 466.

Source: Hawaii State Department of Transportation, Airports Division, Airport Statistics for 1983, Statewide Airport System (April 1984), pp. 50, 69, 76, 84, and 98.

Table 539.-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE OWNED AIRPORTS: 1983

Airport	All movements	Air carrier	Air taxi	General aviation	Military
Honolulu International ..	333,038	139,875	75,297	88,657	29,209
Gen. Lyman	54,470	13,466	6,853	21,260	12,891
Kahului	124,288	57,425	28,588	28,172	10,103
Lihue	71,739	17,190	44,838	8,272	1,439
Keahole	66,581	15,621	22,731	17,732	10,497
Molokai	54,882	4,407	37,034	11,114	2,327

Source: Hawaii State Department of Transportation, Airports Division, Airport Statistics for 1983, Statewide Airport System (April 1984), p. 7.

Table 540.-- U.S. ACTIVE CIVIL AIRCRAFT AND GENERAL AVIATION HOURS FLOWN:
1978 TO 1983

Year	U.S. active civil aircraft, Dec.			Hours flown by general aviation aircraft <u>1/</u>	
	Air carrier <u>2/</u>	General aviation <u>1/</u>		Number (1,000)	Standard error (1,000)
		Number	Standard error		
1978	18	475	262	202	128
1979	19	530	130	255	76
1980	17	385	123	157	66
1981	18	623	181	288	131
1982	20	426	158	86	34
1983	21	381	152	97	34

1/ For aircraft based in Hawaii. Data based on samples with specified standard errors.

2/ Aloha and Hawaiian.

Source: Federal Aviation Administration, FAA Statistical Handbook of Aviation (annual), and records.

Table 541.-- ACTIVE PILOTS, FLIGHT INSTRUCTORS,
AND NONPILOT AIRMEN IN THE PACIFIC REGION, 1978 TO
1980, AND HAWAII, 1981 TO 1983

[As of December 31. Data prior to 1981 include
American Samoa, Guam, Northern Mariana Islands,
and Trust Territory of the Pacific Islands, as
well as Hawaii. Data for 1981 and later years are
limited to Hawaii]

Year	Active pilots	Active flight instructors	Active nonpilot airmen <u>1/</u>
1978	3,586	256	2,797
1979	3,972	280	2,897
1980	3,948	314	3,003
1981	3,532	276	2,965
1982	3,327	291	3,118
1983	3,224	260	3,099

1/ Mechanics, parachute riggers, ground instructors, dispatchers, control tower operators, flight navigators, and flight engineers.

Source: Federal Aviation Administration, FAA Statistical Handbook of Aviation (annual), and records.

Table 542.-- TRANSPACIFIC AND INTERISLAND AIR CARRIERS
SERVING HAWAII: 1983 AND 1984

[As of June 30. Includes both scheduled and nonscheduled services; excludes commuter lines and other air taxi service]

Service	1983	1984
All air carriers <u>1/</u>	35	31
Transpacific	31	29
Domestic	18	16
Foreign	13	13
Interisland	4	4
Passenger carriers	3	3
Cargo and mail only	1	1

1/ Unduplicated total. Two carriers provided both transpacific and interisland service in 1984.

Source: Hawaii State Department of Transportation, Airports Division, July 10, 1984; Hawaii Visitors Bureau, July 5, 1983.

Table 543.-- SEATS, PASSENGERS, AND LOAD FACTORS FOR SCHEDULED
FLIGHTS BETWEEN HAWAII AND THE MAINLAND: 1976 TO 1981

[Based on data for eight airlines. Compilation of these series was discontinued after 1981]

Year	Revenue seats available	Revenue passengers	Load factor (percent)
1976	6,660,621	4,324,093	64.9
1977	7,342,217	4,597,979	62.6
1978	7,355,562	5,307,306	72.2
1979	7,475,246	5,642,474	75.5
1980	7,431,600	5,109,531	68.8
1981	7,314,063	5,080,049	69.4

Source: Data compiled by the Hawaii Visitors Bureau from Aviation Daily magazine.

Table 544.-- TRANSPACIFIC AND INTERISLAND AIR
PASSENGER MOVEMENTS: 1973 TO 1983

[Calendar years. Data include both revenue and
non-revenue passengers]

Year	Transpacific passengers			Inter- island passenger arrivals ^{1/}
	Arrivals	Departures	Through	
1973 ..	2,866,003	2,913,446	870,378	4,809,097
1974 ..	3,009,769	2,964,992	885,122	5,174,914
1975 ..	3,181,580	3,134,774	956,576	5,321,616
1976 ..	3,496,645	3,432,908	816,915	5,873,138
1977 ..	3,667,756	3,615,717	714,150	6,413,847
1978 ..	4,131,466	4,054,544	854,276	7,341,815
1979 ..	4,245,032	4,148,645	971,452	7,578,877
1980 ..	4,270,633	4,174,739	1,118,987	6,737,894
1981 ..	4,290,752	4,292,159	1,032,264	6,724,113
1982 ..	4,669,747	4,641,716	882,832	7,327,447
1983 ..	4,760,459	4,714,689	777,490	7,037,687

^{1/} Air taxi service was seriously underreported before 1977.

Source: Hawaii State Department of Transportation, Airports Division, Airport Statistics for 1983, Statewide Airport System (April 1984), p. 7, and earlier reports, tabular releases, and records.

Table 545.-- CHARACTERISTICS OF INTRA-HAWAII CERTIFICATED ROUTE AIRLINES:
1981 TO 1983

Subject	1981	1982	1983
Number of airlines <u>1/</u>	2	2	2
Aircraft revenue departures <u>2/</u> (1,000)	73.4	71.8	76.4
Aircraft revenue miles <u>2/</u> (1,000)	8,843	8,678	8,788
Average airborne speed <u>2/</u> (miles per hour) ..	321	310	301
Average available seats per aircraft mile flown <u>2/</u>	133.7	134.6	129.4
Revenue passengers: <u>2/</u>			
Enplanements (1,000)	5,531	5,596	4,826
Load factor (percent)	60.7	63.0	55.6
Revenue ton-miles (1,000): <u>2/</u>			
Freight	1,993	1,816	1,712
Mail	1,019	1,089	985
Number of employees <u>3/</u>	2,203	1,882	1,615
Operating revenues (\$1,000)	183,987	176,375	174,325
Operating profit or loss (\$1,000)	-5,554	-6,317	5,055
Average passenger revenues per revenue passenger-mile <u>2/</u> (cents)	23.8	22.6	24.7
Average freight revenues per revenue ton-mile <u>2/</u> (dollars)	2.58	2.96	3.33

1/ Aloha Airlines, Inc., and Hawaiian Airlines, Inc.

2/ Scheduled service only.

3/ Weighted year average.

Source: Civil Aeronautics Board, CAB Form 41 schedules submitted by air carriers to CAB.

Table 546.-- AIR CARGO AND AIRMAIL: 1973 TO 1983

[In thousands of pounds]

Calendar year	Overseas air cargo		Overseas airmail		Interisland 1/	
	Out-going	In-coming	Out-going	In-coming	Air cargo: incoming	Airmail: incoming
1973	57,494	87,834	16,123	21,001	69,710	16,453
1974	79,054	96,393	16,185	21,528	79,576	16,594
1975	95,287	112,338	36,934		81,515	17,830
1976	118,478	136,017	39,407		86,818	19,024
1977	132,401	133,352	36,938		82,676	17,065
1978	139,004	135,347	37,061		82,872	15,199
1979	121,702	121,205	17,497	17,577	118,555	15,364
1980	130,586	114,673	21,105	19,581	138,008	13,576
1981	151,513	101,301	22,388	19,887	132,559	14,131
1982	155,278	105,388	21,280	25,006	114,038	15,014
1983	174,582	136,354	23,620	28,288	109,828	16,024

1/ Air taxi service seriously underreported before 1977.

Source: Hawaii State Department of Transportation, Airports Division, Airport Statistics for 1983, Statewide Airport System (April 1984), p. 7, and earlier reports, tabular releases, and records.

Table 547.-- PASSENGERS, CARGO, AND MAIL, BY AIRPORT: 1983

Airport	Passengers ^{1/}		Cargo (tons)		Mail (tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	4,714,689	4,760,459	87,291	68,177	11,810	14,144
Honolulu	4,517,668	4,544,830	84,677	67,066	11,589	14,144
General Lyman ...	33,706	28,871	2,350	744	221	-
Kahului	152,124	168,961	180	188	-	-
Keahole	11,191	17,797	84	179	-	-
INTERISLAND						
Total	7,037,687	7,037,687	54,914	54,914	8,012	8,012
Honolulu	3,093,697	3,105,798	33,124	18,530	4,807	3,136
General Lyman ...	466,277	517,794	11,829	7,693	1,146	1,284
Upolu	780	821	-	-	-	-
Waimea-Kohala ...	4,264	4,466	2	6	-	-
Keahole	628,839	569,972	3,203	3,964	444	795
Kahului	1,674,588	1,669,065	3,778	15,984	1,073	1,762
Hana	9,052	8,981	-	-	-	-
Kaanapali	67,302	64,574	-	-	-	-
Molokai	118,654	120,139	138	220	47	22
Kalaupapa	4,036	4,031	-	-	-	-
Lanai	22,401	22,543	2	13	9	-
Lihue	935,016	936,742	2,837	8,494	486	1,013
Other airports ..	12,781	12,761	1	10	-	-

^{1/} Revenue and non-revenue, excluding Military Airlift Command (MAC). Also excludes overseas passengers in transit (773,470 through Honolulu International Airport and 4,020 through General Lyman).

Source: Hawaii State Department of Transportation, Airports Division, Airport Statistics for 1983, Statewide Airport System (April 1984), p. 7.

Table 548.-- AIRLINE PASSENGER ORIGINS AND DESTINATIONS: 1983

[Year ended December 31, 1983. Top city pairs originating or terminating passengers and revenue passenger-miles, ranked by passengers. Data limited to domestic operations in scheduled service. Figures are combined totals in both directions]

City pair in both directions 1/ (in order of passenger rank)	Inter-city distance (miles)	Passengers		Passenger-miles	
		U.S. rank	Number (1,000)	U.S. rank	Number (1,000)
Honolulu-Kahului	100	12	1,107	316	110,949
Honolulu-Los Angeles	2,568	14	1,026	3	2,640,418
Honolulu-Lihue	102	21	830	408	87,757
Honolulu-Hilo	216	39	590	264	128,796
Honolulu-San Francisco	2,399	44	572	8	1,385,506
Honolulu-Kona	169	59	473	429	83,568
Honolulu-New York	4,971	144	250	12	1,254,249
Honolulu-Seattle	2,678	168	214	36	597,739
Kahului-Los Angeles	2,498	252	151	65	387,358
Honolulu-Chicago	4,251	272	143	35	615,746
Honolulu-Las Vegas	2,762	309	119	84	334,297
Honolulu-San Diego	2,614	345	106	105	281,393
Honolulu-Oakland	2,413	370	99	124	238,719
Honolulu-Dallas-Fort Worth	3,784	503	74	102	285,988
Honolulu-Washington, D.C.	4,828	512	72	79	354,973
Honolulu-Philadelphia	4,925	589	62	93	308,877

1/ Includes all cities in Hawaii included in top 100 U.S. city pairs, as ranked either by number of passengers or number of passenger-miles.

Source: Civil Aeronautics Board, Domestic Origin-Destination Survey of Airline Passenger Traffic, calendar year 1983.

Table 549.-- REGULAR ONE-WAY FARES AND SCHEDULED FLIGHT TIMES FOR FLIGHTS BY UNITED AIRLINES BETWEEN SAN FRANCISCO AND HONOLULU: 1980 TO 1984

Effective date of change in fare	Regular one-way fares, including taxes (dollars)			Flight time ^{1/} (hours, min.)
	First class	Coach, weekend	Coach weekday	
1980: Jan. 1	302.12	209.08	199.08	5:02
June 1	319.13	221.09	211.08	5:02
Aug. 1	351.14	243.10	233.09	5:02
Oct. 1	365.11	252.08	252.08	5:02
1981: Jan. 20 ...	384.12	265.08	265.08	5:02
Mar. 31 ...	415.12	286.09	286.09	5:02
June 17 ...	425.13	296.09	296.09	5:02
Oct. 1	392.12	280.08	280.08	5:00
1982: Mar. 1	412.12	219.07	219.07	5:00
Apr. 1	412.12	310.09	310.09	5:00
June 1	412.12	328.10	328.10	5:00
Sept. 1 ...	415.16	331.13	331.13	5:00
1983: June 15 ...	415.16	353.14	353.14	5:00
1984: Sept.	415.00	353.14	353.14	5:00
Oct.	415.00	353.00	353.00	5:05
Dec.	454.00	364.00	364.00	5:05

^{1/} Average scheduled flight time eastbound and westbound, by B-747 or DC-10 aircraft.

Source: United Airlines, records.

Table 550.-- REGULAR ONE-WAY FARES AND SCHEDULED FLIGHT TIMES FOR SPECIFIED INTERISLAND FLIGHTS BY HAWAIIAN AIRLINES, BY TYPE OF AIRCRAFT: 1980 TO 1984

Effective date of change in fare	Honolulu-Lihue		Honolulu-Kahului		Honolulu-Hilo	
	DC-9 <u>1/</u>	DASH-7	DC-9 <u>1/</u>	DASH-7	DC-9 <u>1/</u>	DASH-7
FARES <u>2/</u>						
1980: March 1	38.00	...	38.00	...	49.00	...
May 2	39.00	...	39.00	...	50.00	...
June 1	41.00	...	41.00	...	53.00	...
Sept. 1	44.00	...	44.00	...	56.00	...
1981: Jan. 1	47.00	...	47.00	...	59.00	...
March 1	49.00	...	49.00	...	61.00	...
April 26	49.00	49.00	49.00	49.00	61.00	61.00
May 1	51.00	51.00	51.00	51.00	63.00	63.00
Oct. 15	43.00	43.00	43.00	43.00	53.00	53.00
1982: May 1	46.00	46.00	46.00	46.00	56.00	56.00
June 1	48.00	48.00	48.00	48.00	58.00	58.00
Aug. 1	53.00	53.00	53.00	53.00	63.00	63.00
Sept. 1	54.50	54.50	54.50	54.50	65.00	65.00
1983: Feb. 1	45.00	45.00	45.00	45.00	45.00	45.00
July 1	49.95	49.95	49.95	49.95	49.95	49.95
Oct. 30	49.95	29.95	49.95	29.95	49.95	29.95
Dec. 16	49.95	41.95	49.95	41.95	49.95	41.95
Dec. 22	49.95	33.95	49.95	33.95	49.95	33.95
1984: Jan. 20	49.95	41.95	49.95	41.95	49.95	41.95
May 28	49.95	43.95	49.95	43.95	49.95	43.95
FLIGHT TIMES <u>3/</u>						
All dates	26	34	27	34	40	60

1/ DC-9-50, through May 1981; DC-9-80 thereafter.

2/ Total regular one-way fare, including taxes and other charges, in dollars.

3/ Average non-stop scheduled flight time eastbound and westbound, in minutes.

Source: Hawaiian Airlines, records.

Table 551.-- STATE COMMERCIAL HARBORS: 1984

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	2,787	122	446
Kawaihae	40	35	1,500	1,450	1,012	23	166
Maui:							
Kahului	35	35	2,400	2,050	2,749	124	586
Molokai:							
Kaunakakai	23	23	1,500	600	691	10	123
Oahu:							
Honolulu:							
Main	45	40	3,300	1,520	26,483	1,691	6,643
Kapalama			3,400	1,000			
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,216	66	247
Port Allen	35	35	1,500	1,200	1,200	35	32

Source: Hawaii State Department of Transportation, Harbors Division, unpublished data, October 30, 1984.

Table 552.-- DOCUMENTED AND NUMBERED VESSELS REGISTERED IN HAWAII:
1974 TO 1984

Year	Documented vessels <u>1/</u>		Numbered vessels <u>2/</u>	
	Date	Number	Date	Number
1974	Aug. 22	707	Dec. 31	11,843
1975	Sept. 1	797	Dec. 31	12,956
1976	Dec.	802	Dec. 31	13,130
1977	Dec. 7	924	Dec. 31	13,165
1978	Dec. 31	987	Dec. 31	13,695
1979	Dec. 31	996	Dec. 31	13,678
1980	Dec. 31	1,143	Dec. 31	13,459
1981	June 30	1,141	Dec. 31	13,405
1982	June 30	1,225	Dec. 31	12,999
1983	June 30	1,300	Dec. 31	12,604
1984	June	1,203

1/ Vessels documented under the laws of the United States with the U.S. Coast Guard in Hawaii. All vessels over five net tons, used for commercial purposes, must be documented. In addition, yachts over five net tons may be documented. The data for 1982 and 1983 are Coast Guard estimates.

2/ Non-documented numbered vessels registered with the Hawaii State Department of Transportation. 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.

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Transportation, Report of Undocumented Vessel Registration (annual).

Table 553.-- UNDOCUMENTED STATE-REGISTERED VESSELS: DECEMBER 31, 1983

Subject	Number	Subject	Number
Certificates outstanding .	12,604	Type of vessel:	
Length:		Cabin motorboat	1,812
Under 16 feet	4,920	Open motorboat	4,806
16 to less than 26 feet	6,410	Runabout	2,721
26 to less than 40 feet	1,083	Sail/inboard	548
40 to 65 feet	186	Sail/outboard	651
Over 65 feet	6	Sail only	1,307
Median (feet)	18.2	Motor vessel over 65 feet .	5
Hull materials:		Other	754
Wood	1,990	Uses:	
Steel	29	Pleasure	10,936
Aluminum	439	Commercial fishing	1,106
Plastic	9,620	Charter fishing	13
Other	526	Commercial passenger	97
Propulsion:		Other commercial	36
Inboard	851	Livery	143
Outboard	7,024	Dealers or manufacturers ..	3
Inboard/outboard	1,949	Youth group	38
Sail/inboard	551	Government	183
Sail/outboard	588	Other	49
Sail only	1,333	Island kept:	
Other	308	Hawaii	1,761
Type of storage:		Kauai	943
On water	2,428	Lanai	44
On land	10,176	Maui	1,030
		Molokai	189
		Oahu	8,637

Source: Hawaii State Department of Transportation, Harbors Division, Report of Undocumented Vessel Registration (annual).

Table 554.-- BOATING ACCIDENTS: 1978 TO 1983

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured non-fatally		
1978	74	7	12	5	87	603.2
1979	59	3	7	9	66	429.2
1980	71	1	1	8	86	917.6
1981	43	-	-	5	52	404.5
1982	60	6	8	4	77	1,082.2
1983	41	2	3	15	51	253.6

Source: U.S. Department of Transportation, Coast Guard, Boating Statistics (annual).

Table 555.-- SHIP ARRIVALS AT THE PORT OF HONOLULU: 1973 TO 1983

[Years ended June 30]

Year	Overseas vessels		Interisland vessels	
	Number	Gross tonnage	Number	Gross tonnage
1973	1,801	14,373,090	3,602	2,185,872
1974	1,587	13,465,620	3,666	2,879,354
1975	1,602	13,025,705	3,440	2,411,933
1976	1,386	11,700,000	2,733	2,064,320
1977	1,589	12,568,896	2,700	2,249,446
1978	1,651	12,676,469	1,981	1,947,893
1979	1,757	12,101,936	2,875	2,838,609
1980	1,963	10,483,989	2,338	2,572,778
1981	1,968	10,959,161	2,597	2,670,405
1982	1,943	9,604,985	2,496	2,598,632
1983	1,775	10,406,544	2,662	2,623,321

Source: Hawaii State Department of Transportation, Harbors Division, unpublished data.

Table 556.-- VESSELS ARRIVING AT SPECIFIED HARBORS: 1982

[Excludes domestic fishing craft]

Harbor	Total inbound vessels	By type of vessel		
		Self propelled vessels		
		Passenger and dry cargo	Tanker	Towboat or tugboat
All spec. harbors ..	10,276	1,792	157	3,825
Hilo	894	108	7	359
Kawaihae	385	10	-	141
Kahului	1,110	93	7	402
Kaunalapau	972	-	-	338
Kaunakakai	775	-	-	355
Kalaupapa	9	-	-	5
Honolulu	5,264	1,522	43	1,802
Barbers Point	332	3	97	208
Nawiliwili	482	56	3	185
Port Allen	53	-	-	30
Harbor	By type of ves- sel -- con.		By draft	
	Non-self propelled vessels		18 feet and less	19 feet and more
	Dry cargo	Tanker		
All spec. harbors ..	3,932	570	(NA)	(NA)
Hilo	324	96	865	29
Kawaihae	226	8	376	9
Kahului	503	105	962	148
Kaunalapau	630	4	972	-
Kaunakakai	401	19	(NA)	(NA)
Kalaupapa	4	-	9	-
Honolulu	1,629	268	4,606	658
Barbers Point	-	24	237	95
Nawiliwili	214	24	459	23
Port Allen	1	22	53	-

NA Not available.

Source: U.S. Department of the Army, Corps of Engineers,
Waterborne Commerce of the United States, Calendar Year 1982, Part 4
(1984), pp. 102-103.

Table 557.-- TRANSPACIFIC AND INTERISLAND SURFACE
PASSENGER MOVEMENTS: 1974 TO 1984

[Data limited to revenue passengers]

Year	Transpacific passengers 1/			Inter- island passenger arrivals 2/
	Disem- barking	Em- barking	Intran- sit	
1974 ...	5,756	5,975	(NA)	-
1975 ...	5,795	5,284	(NA)	71,807
1976 ...	5,829	5,987	(NA)	196,366
1977 ...	5,940	5,476	(NA)	270,128
1978 ...	4,763	4,151	(NA)	11,000
1979 ...	551	318	11,536	-
1980 ...	399	353	11,421	15,763
1981 3/	614	510	9,847	33,108
1982 ...	542	461	6,785	39,057
1983 3/	741	740	8,419	56,073
1984 ...	726	361	6,692	78,443

NA Not available.

1/ Data refer to years ended June 30 through 1983 and calendar years thereafter. Data limited to the Port of Honolulu. The decline in passenger volumes after 1977 reflects the termination of service by the Mariposa and Monterey on April 2, 1978.

2/ Calendar year statistics. Scheduled interisland passenger service by hydrofoil was begun June 15, 1975 and terminated January 15, 1978. Interisland cruise ship service was begun June 21, 1980. The 1978 figure is an estimate based on the daily average for 1977. Data exclude interisland travel by transpacific cruise ships.

3/ Transpacific passenger movements revised from Data Book 1983, table 486.

Source: Transpacific passengers, 1979 and later years, from TheoDavies Marine Agencies, Inc., records; interisland passengers, 1980 and later years, from American Hawaii Cruises, records; other data from Hawaii State Department of Transportation, Harbors Division, records.

Table 558.-- FREIGHT AND PASSENGER TRAFFIC FOR SPECIFIED HARBORS:
1972 TO 1982

Subject and year	Hilo	Kawaihae	Kahului	Hono- lulu <u>1/</u>	Barbers Point	Nawiliwili
FREIGHT TRAFFIC <u>2/</u> (SHORT TONS)						
1972	1,108,067	303,116	1,297,829	7,960,447	3,420,445	582,887
1973	1,041,647	385,850	1,042,818	8,188,466	3,944,857	495,448
1974	928,619	291,036	982,110	7,556,891	4,360,221	380,495
1975	1,053,879	279,687	1,109,485	7,935,183	5,185,659	532,978
1976	995,544	263,562	1,276,424	7,189,538	6,593,497	460,900
1977	1,013,430	318,197	1,301,095	6,881,556	6,630,994	557,798
1978	1,272,734	502,451	1,922,112	7,750,537	6,306,580	765,877
1979	1,220,438	447,521	1,473,307	7,463,663	6,154,541	757,899
1980	1,102,019	518,116	1,441,524	7,646,270	5,725,722	785,212
1981	1,441,590	432,704	1,551,944	8,269,671	5,589,741	906,595
1982	1,381,996	441,130	1,483,955	7,593,097	5,707,386	808,153
PASSENGERS <u>3/</u>						
1972	658	-	-	796,694	-	658
1973	-	-	-	989,100	-	-
1974	9,600	-	9,600	987,475	-	-
1975	13,613	-	11,296	1,073,125	-	13,934
1976	1,313	-	1,307	1,390,524	-	40,674
1977	8,381	-	8,390	303,291	3,504	70,063
1978	3,207	-	3,879	183,721	4,441	6,384
1979	-	-	-	311,899	-	-
1980	-	-	-	547,242	-	-
1981	-	-	-	521,624	-	-
1982	-	-	-	465,466	-	-

1/ For discussion of the accuracy of these data, see the Data Book 1982, table 441.

2/ Excludes cargo carried by Army and Navy vessels and cargo in transit.

3/ Total arrivals and departures for transpacific, interisland, and local travel.

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, Calendar Year 1982, Part 4, pp. 30-35.

Table 559.-- OVERSEAS AND INTERISLAND SHIPPING: 1971 TO 1981

[In short tons]

Calendar year	Overseas cargo tons			Interisland cargo tons		
	Total	In	Out	Total	In	Out
1971 ...	9,442,634	7,097,445	2,345,189	4,190,708	2,091,490	2,099,218
1972 ...	10,024,122	7,631,789	2,392,333	5,851,128	2,800,702	3,050,426
1973 ...	11,287,536	8,203,106	3,084,430	4,679,121	2,300,634	2,378,487
1974 ...	11,156,346	8,581,226	2,575,120	3,780,896	1,904,501	1,876,395
1975 ...	11,758,995	8,644,344	3,114,651	5,067,630	2,495,317	2,572,313
1976 ...	12,222,022	9,240,594	2,981,428	5,015,918	2,475,123	2,540,795
1977 ...	12,644,459	9,544,639	3,099,820	4,542,491	2,274,346	2,268,145
1978 ...	12,279,219	9,089,931	3,189,288	6,547,820	3,274,080	3,273,740
1979 ...	11,823,885	9,255,026	2,568,859	5,631,539	2,917,854	2,713,685
1980 ...	11,666,648	9,395,453	2,271,195	5,745,346	2,965,962	2,779,384
1981 ...	11,683,189	9,389,317	2,293,872	7,018,382	3,497,183	3,521,199

Source: Hawaii State Department of Transportation, Harbors Division, estimates based on data in U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States (annual), and printouts.

Table 560.-- FREIGHT TRAFFIC, BY COMMODITIES, FOR SPECIFIED HARBORS: 1981

[In short tons]

Harbor and commodity <u>1/</u>	Total	Foreign		Interstate <u>2/</u>		Interisland <u>2/</u>		Internal receipts
		Imports	Exports	Receipts	Shipments	Receipts	Shipments	
Hilo	1,441,590	32,442	54,963	69,924	293,736	768,431	221,823	271
Sugar	280,594	-	3	-	279,310	6	1,275	-
Fabricated metal products	229,205	-	-	763	-	176,299	52,143	-
Kawaihae	432,704	-	-	2,409	134,153	206,648	89,433	61
Kahului	1,551,944	23,271	33,270	29,964	232,041	931,365	301,942	91
Sugar	204,067	-	4	-	203,993	47	23	-
Fabricated metal products	260,506	-	4	260	-	223,328	36,914	-
Barbers Point	5,989,741	3,233,945	57,728	2,409,611	197,937	13,144	77,376	-
Crude petroleum	5,030,064	3,112,715	-	1,917,349	-	-	-	-
Gasoline	289,303	82,201	31,655	-	175,447	-	-	-
Residual fuel oil	508,725	11,552	15,982	460,657	-	-	20,534	-
Honolulu	8,269,671	1,034,135	190,457	2,529,045	857,364	1,106,610	2,551,877	183
Fresh fruits	357,347	803	1,267	18,033	63,822	272,260	1,162	-
Crude petroleum	328,061	284,863	-	43,198	-	-	-	-
Prep. fruit/veg. juice	447,408	7,635	5,500	8,390	312,966	111,504	1,413	-
Sugar	203,792	8	1,518	1,701	199,192	1,298	75	-
Molasses	264,835	-	558	-	150,256	114,021	-	-
Gasoline	669,907	391,988	16,373	83,999	6,389	-	171,158	-
Jet fuel	275,215	-	-	260,614	-	1,183	13,418	-
Distillate fuel oil	487,014	7,002	53,598	99,276	1,567	-	325,571	-
Residual fuel oil	278,681	15,847	-	37,058	-	-	225,776	-
Fabricated metal products	848,563	5,981	832	32,031	249	183,119	626,351	-
Motor vehicles, parts, equip.	437,401	23,535	246	55,860	23,452	115,707	218,601	-
Nawiliwili	906,595	6,186	8,297	10,363	233,926	462,963	184,738	122
Sugar	230,713	-	-	-	230,691	22	-	-
Fabricated metal products	239,123	-	-	446	-	169,941	68,736	-

Continued on next page.

Table 560.-- FREIGHT TRAFFIC, BY COMMODITIES, FOR SPECIFIED HARBORS: 1981 -- Con.

Harbor and commodity <u>1/</u>	Total	Foreign		Interstate <u>2/</u>		Interisland <u>2/</u>		Internal receipts
		Imports	Exports	Receipts	Shipments	Receipts	Shipments	
Hana	6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kailua	4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Kalaupapa	912	-	-	-	-	705	207	-
Kaunakakai	220,185	(NA)	(NA)	141	-	108,126	111,909	(NA)
Port Allen	103,382	(NA)	(NA)	8,022	-	94,010	-	(NA)
Pearl Harbor	(NA)	(NA)	(NA)	135,309	-	24,255	32,329	(NA)
Kaumalapau	(NA)	(NA)	(NA)	-	-	50,903	188,850	(NA)

NA Not available.

1/ Commodities under 200,000 tons are not shown separately.

2/ Interstate and interisland (or intrastate) data are combined in the coastwise totals shown in the published reports.

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, Calendar Year 1981, Part 4 (1983), pp. 29-36, and unpublished printouts.

Table 561.-- FREIGHT TRAFFIC, BY COMMODITIES, FOR SPECIFIED HARBORS: 1982

[In short tons. Commodities under 200,000 tons not shown separately]

Harbor and commodity	Total <u>1/</u>	Foreign		Coastwise <u>2/</u>	
		Imports	Exports	Receipts	Shipments
Hilo	1,381,996	19,027	19,033	820,316	523,097
Sugar	214,689	-	-	23	214,666
Fabricated metal products	302,358	-	-	179,079	123,279
Kawaihae	441,130	-	-	204,084	236,996
Kahului	1,483,955	16,936	10,477	877,351	579,108
Fabricated metal products	327,980	-	-	221,368	106,612
Honolulu	7,593,097	870,710	179,650	3,326,386	3,216,219
Fresh fruits	375,584	1,206	1,185	291,418	81,775
Crude petroleum	520,657	520,657	-	-	-
Prep. fruit, veg. juice ..	420,059	3,136	6,272	129,270	281,381
Molasses	336,554	-	7,165	136,830	192,559
Gasoline	260,756	27,902	9,063	34,296	189,495
Distillate fuel oil	391,615	-	40,204	46,988	304,423
Residual fuel oil	272,975	610	50,038	16,291	206,036
Fabricated metal products	986,218	6,311	1,298	365,767	612,842
Motor vehicles, parts, equipment	425,285	29,041	456	169,542	226,246
Barbers Point	5,707,386	2,349,792	368,854	2,772,009	216,731
Crude petroleum	4,283,466	2,295,488	-	1,987,978	-
Gasoline	217,020	54,292	83,542	-	79,186
Residual fuel oil	1,023,770	-	232,119	710,720	80,931
Nawiliwili	808,153	22,102	-	403,690	382,242
Fabricated metal products	205,793	-	-	127,063	78,730
Hana	11	(NA)	(NA)	(NA)	(NA)
Kaunapapa	264,165	(NA)	(NA)	(NA)	(NA)
Fresh fruits	212,783	(NA)	(NA)	(NA)	(NA)
Kaunakakai	221,003	(NA)	(NA)	(NA)	(NA)
Kalaupapa	1,412	(NA)	(NA)	(NA)	(NA)
Port Allen	71,913	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ Includes internal receipts, not shown separately: Hilo, 523 tons; Kawaihae, 50; Kahului, 83; Honolulu, 132; Barbers Point, none; and Nawiliwili, 119.

2/ Interisland and interstate.

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, Calendar Year 1982, Part 4 (July 1984), pp. 30-37.