

FOREIGN AND INTERSTATE COMMERCE

This section includes data on the flow of goods, services, and capital between Hawaii and the rest of the world, with particular emphasis on trade and investment involving foreign countries.

Imports to Hawaii from foreign nations rose from \$2,835,000 in 1901 to \$8,007,000 in 1940 and \$272.6 million in 1973. Exports to foreign countries amounted to only \$120,000 in 1901 and \$923,000 in 1940, but by 1973 exceeded \$73 million. (These figures, it should be noted, refer to merchandise imports for consumption and exports of domestic merchandise through the Honolulu Customs District. They do not necessarily represent exports of commodities originating in Hawaii, nor imports for direct consumption within the State.)

Trade with the Mainland United States has similarly risen since the early years of the century. Merchandise received from the Mainland increased from \$10.9 million in 1903 to \$127.4 million in 1940 and \$1.2 billion in 1971. Merchandise exported to the Mainland rose from \$26.2 million in 1903 to \$102.1 million in 1940 and \$365.7 million in 1971.

Among the foreign nations, Hawaii's leading trading partner in 1972 was Japan. Imports from Japan amounted to \$93.6 million, or 38.3 percent of the total, while exports to Japan reached \$17.1 million, or 29.1 percent of all foreign exports.

The Honolulu Foreign Trade Zone received merchandise valued at \$10,550,539 in 1973.

Hawaii residents had out-of-State assets estimated at \$2,676 million in 1971. Assets of non-residents in the State at the same time amounted to approximately \$3,439 million.

Ninety-four Island firms were owned by the Japanese as of 1972. Initial investment in these businesses totalled \$24.2 million.

Sources for statistics on interstate and foreign commerce include the U.S. Bureau of the Census (for foreign trade), the Bank of Hawaii (for interstate trade), Foreign Trade Zone No. 9, and a 1973 study by the University of Hawaii Economic Research Center on *The Economic and Social Impact of Foreign Investment in Hawaii*.

Comparable data for the nation as a whole appear in Section 30 of the *Statistical Abstract of the United States*.

Table 285.—IMPORTS AND EXPORTS: 1836 TO 1973
(In thousands of dollars)

Year ¹	Imports ²			Exports ³		
	Total ⁴	From Main-land U.S. ⁵	From other areas	Total	To Main-land U.S. ⁵	To other areas
1836 ⁶	413	246	167	(NA)	(NA)	(NA)
1841 ⁶	455	248	207	(NA)	(NA)	(NA)
1845	581	305	242	98	(NA)	(NA)
1850	1,035	589	446	443	(NA)	(NA)
1855	1,383	800	467	412	(NA)	(NA)
1860	1,224	713	348	677	(NA)	(NA)
1865	1,946	867	854	1,717	(NA)	(NA)
1870	1,930	1,054	644	2,034	(NA)	(NA)
1875	1,682	947	539	2,028	(NA)	(NA)
1880	3,673	2,628	875	4,876	(NA)	(NA)
1885	3,831	2,941	890	9,069	8,933	136
1890	6,962	5,259	1,703	13,143	13,073	69
1895 ⁷	5,714	4,516	1,198	8,474	8,392	82
1901	(NA)	(NA)	2,835	28,023	27,903	120
1905	14,768	11,753	3,015	36,172	36,112	60
1910	25,166	20,560	4,606	46,490	46,183	307
1915	30,721	25,005	5,716	62,465	62,087	378
1920	86,337	74,052	12,285	195,821	192,383	3,438
1925	83,754	72,924	10,830	104,625	102,781	1,845
1930	91,126	81,726	9,400	100,916	98,924	1,992
1935	84,553	78,925	5,628	100,034	98,696	1,338
1940	135,447	127,440	8,007	103,068	102,145	923
1945	267,046	240,829	26,217	88,047	87,461	586
1950	363,000	349,400	13,587	229,600	227,400	2,224
1955	419,500	399,600	19,854	270,800	261,700	9,107

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Table 285.—IMPORTS AND EXPORTS: 1836 TO 1973 (continued)
(In thousands of dollars)

Year ¹	Imports ²			Exports ³		
	Total ⁴	From Main-land U.S. ⁵	From other areas	Total	To Main-land U.S. ⁵	To other areas
1960	566,100	519,100	46,988	263,800	243,500	20,270
1961	573,600	515,500	58,053	281,700	258,900	22,793
1962	548,400	480,100	68,297	294,400	265,500	28,908
1963	571,900	497,900	73,973	338,200	307,800	30,449
1964	652,900	567,100	85,804	324,400	283,400	40,991
1965	711,000	615,100	95,944	331,800	296,700	35,110
1966	794,000	688,800	105,200	351,100	310,600	40,500
1967	942,500	822,400	120,100	372,700	325,300	47,400
1968	1,025,400	886,700	138,700	378,100	329,100	49,000
1969	1,196,400	1,029,100	167,300	368,100	321,700	46,400
1970	1,361,500	1,194,100	167,400	391,000	339,800	51,200
1971	1,416,900	1,201,400	215,500	412,000	365,700	46,300
1972	1,447,500	1,220,000	227,500	410,600	350,200	60,400
1973	(NA)	(NA)	272,600	(NA)	(NA)	73,100

NA Not available.

¹Data for 1836, 1845-1895, and 1920 forward refer to calendar years; 1841, to the year ended August 17; and 1901-1915, to fiscal years ended June 30.

²General merchandise imports, 1836-1930; merchandise imports for consumption, 1935 forward. Data reflect the customs district where the consumption or warehouse entry is filed, which is not necessarily either the point of arrival or point of destination of the merchandise.

³Merchandise exports, including merchandise of foreign origin. Domestic goods furnished as supplies to whalers, merchantmen and national vessels in Hawaiian ports, treated as exports in trade statistics prior to 1895, are omitted from this table. Data reflect the customs district of exportation, not necessarily the point of origin of the merchandise.

⁴Totals for 1845 and 1855-1880 include merchandise for which country of origin was not reported. Beginning in 1885, all imports were reported by country of origin.

⁵Includes California, Oregon, and Washington State in the years prior to their formal annexation.

⁶Data limited to the Port of Honolulu.

⁷Data for imports include \$374,000 in specie.

Source: *The Polynesian*, September 12, 1840, September 4, 1841, March 7, 1846, and February 1, 1851; *Annual Report of the Minister of Finance* (April 1856); *Custom House Statistics*, 1860-1880; *Annual Report of the Collector General of Customs*, 1885-1895; *Statistical Abstract of the United States*, 1904-1958; U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, 1946-1965*, and *Extracts from FT 990, Dollar Value of U.S. Exports and Imports Through Customs District of Hawaii, Calendar Years 1966-1973*; Bank of Hawaii, *Hawaii '68* (p. 45) and *Hawaii '74* (p. 45).

Table 286.—TRADE WITH NATIONS IN ASIA AND THE PACIFIC: 1961 TO 1971
(In thousands of dollars. Includes commodities transshipped through Hawaii.)

Year	Imports	Exports	Year	Imports	Exports	Year	Imports	Exports
1961	33,174	9,843	1965	48,102	18,425	1969	94,601	33,899
1962	34,612	8,585	1966	50,394	23,932	1970	106,774	38,288
1963	37,397	9,481	1967	64,931	33,964	1971	141,982	32,778
1964	45,807	19,577	1968	70,996	37,490			

Country of origin or destination	Imports, 1971	Exports, 1971	Commodity	1971
Specified nations	141,982	32,778	All imports to Hawaii	141,983
Hong Kong	6,509	1,870	Animal and vegetable products	25,432
Japan	92,391	8,827	Wood and paper; printed matter	4,172
Nansei & Nanpo Islands	32	163	Textile fibers and products	12,571
People's Republic of China	54	—	Chemicals and related products	21,500
Republic of China	3,268	1,239	Non-metallic products and minerals	2,792
Republic of Korea	585	813	Metals and metal products	61,121
			Miscellaneous	13,390
Australia	6,631	8,436	Special classification provisions	697
British Pacific Islands	3,082	70	Special statist. rptg. numbers	307
Fiji, Nauru, & Tonga	333	946		
French Pacific Islands	34	1,873	All exports from Hawaii	32,764
New Guinea	15	1,683		
New Zealand	8,162	1,039	Food and live animals	1,548
Trust Territory	57	1,001	Crude materials, inedible	2,879
			Mineral fuels, lubricants	1,727
Afghanistan	5	—	Animal and vegetable oils and fats	439
Burma	—	4	Chemicals	1,082
Cambodia	5	—	Manufactured goods class by material	801
Ceylon	3	1	Machinery and transport. equipment	19,702
India	57	85	Miscellaneous manufactured articles	4,452
Indonesia	7,947	1,266	Commodities not classified by kind	134
Laos	—	—		
Macao	773	—		
Malaysia	8,975	61		
Nepal	—	3		
Pakistan	5	264		
Philippines	2,489	2,499		
Singapore	200	463		
South Vietnam	64	34		
Thailand	305	138		

Source: Hawaii State Department of Planning and Economic Development, Hawaii International Services Agency, *Hawaii's Foreign Trade, 1961-1971*, tables 1 to 4.

Table 287.—IMPORTS AND EXPORTS, BY CONTINENT AND COUNTRY, FOR THE HONOLULU CUSTOMS DISTRICT: 1972 AND 1973

(Value, in dollars, of U.S. imports entered for consumption and exports of domestic merchandise through the Honolulu Customs District. The Honolulu Customs District includes Honolulu and Pearl Harbor, Honolulu International Airport, Hilo, Kahului, and Nawiliwili-Port Allen. These data include all trade through the Honolulu District, and thus may include imports intended for consumption on the Mainland or exports originated on the Mainland.)

Continent and country	Imports for consumption		Exports of domestic merchandise	
	1972	1973 ¹	1972	1973
All countries	227,498,785	272,646,776	58,644,633	72,175,572
Africa	48,168	137,699	147,967	35,510
Asia	164,911,236	188,946,526	35,757,570	40,303,380
Hong Kong	9,774,532	11,374,236	3,997,121	992,390
Indonesia	17,402,784	31,311,958	1,153,056	472,842
Japan	91,544,492	88,283,603	17,088,136	21,475,603
Korea, Rep. of	896,924	972,240	7,502,923	787,299
Peoples' Rep. of China	322,997	353,132	—	—
Rep. of China (Taiwan)	5,529,948	9,614,008	729,939	12,541,750
Other countries	39,439,559	47,037,349	5,286,395	4,033,496
Canada	14,041,644	17,590,065	778,215	888,962
Europe	13,191,161	18,647,293	10,151,287	6,002,747
France	784,653	1,710,533	2,600,988	960,669
Germany, Fed. Rep. of	7,701,298	10,563,271	3,377,672	1,651,614
United Kingdom	1,965,414	2,605,848	938,270	770,558
Other countries	2,739,796	3,767,641	3,234,357	2,619,906
Latin America	5,526,114	6,296,801	159,740	90,377
Pacific	29,780,462	27,067,375	11,649,854	24,854,596
Australia	13,381,328	9,651,795	7,670,645	18,464,474
New Zealand	8,420,802	11,097,555	823,116	2,276,471
Other countries	7,978,332	6,318,025	3,156,093	4,113,651

¹Includes \$13,961,017 of crude petroleum imported in November or December 1973, not identified by country of origin. Source: U.S. Bureau of the Census, *U.S. Imports of Merchandise for Consumption and General Imports of Merchandise . . . Customs District 32 (IA 254)* and *U.S. Exports Customs District of Exportation by Country of Destination . . . 32. Honolulu, Hawaii (EA 663)* for 1972 and 1973 (special tabulations).

Table 288.—IMPORTS AND EXPORTS, BY COMMODITY, FOR THE HONOLULU CUSTOMS DISTRICT: 1972

(In dollars. The Honolulu Customs District includes Honolulu and Pearl Harbor, Honolulu International Airport, Hilo, Kahului, and Nawiliwili-Port Allen. These data include all trade through the Honolulu District, and thus may include imports intended for consumption on the Mainland or exports originated on the Mainland.)

Commodity classification ¹	Value
IMPORTS FOR CONSUMPTION	
All commodities	227,498,785
Animal & vegetable products	39,821,627
Wood & paper; printed matter	14,559,882
Textile fibers & textile products	14,691,324
Chemicals & related products	67,130,119
Non-metallic products & minerals	4,692,209
Metals & metal products	67,903,902
Specified products & misc.	17,569,102
Special classification provisions	917,600
Special statistical reporting numbers	213,020
EXPORTS	
All commodities	58,644,633
Food & live animals	12,724,320
Beverages & tobacco	18,767
Crude materials—inedible	3,765,661
Mineral fuels, lubricants & related	1,094,685
Oils, fats, & waxes—animal & veg.	237,664
Chemicals	1,765,881
Manufactured goods	524,397
Machinery & transport equipt.	34,172,778
Misc. manuf. articles not elsewhere class.	4,312,345
Commodities not classified	28,135

¹One-digit breakdown from U.S. Tariff Schedule (for imports) and Schedule B (for exports). Source: U.S. Bureau of the Census, U.S. Foreign Trade Statistics, U.S. Imports, 1972, and U.S. Exports, 1972, special tabulations.

Table 289.—OPERATIONS OF FOREIGN-TRADE ZONE NO. 9, HONOLULU: 1973 AND 1974

Subject	1973	1974
Area of primary zone in square feet, June 30	218,276	235,766
Firms using zone during year	140	139
Continuously	17	21
Merchandise received: Value (dollars)	11,802,749	12,598,347
Weight (short tons)	5,693	6,001
Merchandise forwarded: Value (dollars)	11,573,770	12,796,142
Weight (short tons)	5,596	6,112
Occupancy (annual average percent)	78	73
Total income (dollars)	323,866	410,939
Total expenses (dollars)	316,724	380,835
Net income (dollars)	7,142	30,104
Assets, June 30 (dollars)	1,275,333	1,344,644

Source: *Annual Report, Foreign-Trade Zone No. 9, Honolulu, Hawaii, July 1, 1973-June 30, 1974*, and records.

Table 290.—BALANCE OF INDEBTEDNESS: 1950 TO 1971
(In millions of dollars)

Year	Assets of Hawaii residents out of State	Assets of non-residents in Hawaii
1950	457	413
1955	728	924
1960	1,244	1,167
1965	2,296	2,483
1971	2,676	3,439

Source: H. Robert Heller and Emily E. Heller, *The Economic and Social Impact of Foreign Investment in Hawaii* (Economic Research Center, University of Hawaii, December 1973), p. 16.

Table 291.—JAPANESE FIRMS IN HAWAII: 1961 TO 1972

Year (Dec. 31)	Number of firms	Total capital (dollars)	Increase in capital (dollars)
1961	12	11,660,600	...
1962	14	11,750,600	90,000
1963	17	11,894,600	144,000
1964	21	12,990,600	1,096,000
1965	21	12,990,600	—
1966	30	13,218,600	228,000
1967	32	13,338,600	120,000
1968	35	13,532,100	193,500
1969	39	13,614,100	82,000
1970	47	13,935,100	321,000
1971	61	16,572,252	2,637,152
1972	94	24,186,252	7,614,000

Initial equity capital	Number of firms, 1972	Number of employees	Number of firms, 1972
Total	94	Total	94
\$10,000 or less	19	1 to 10	39
\$10,001 to \$50,000	20	11 to 20	13
\$50,001 to \$100,000	16	21 to 30	13
\$100,001 to \$500,000	11	31 to 40	8
\$500,001 to \$1,000,000	6	41 to 50	5
\$1,000,001 to \$5,000,000	4	51 to 100	3
\$5,000,001 or more	1	101 or more	6
Unknown	17	Unknown	7

Source: H. Robert Heller and Emily E. Heller, *The Economic and Social Impact of Foreign Investment in Hawaii* (Economic Research Center, University of Hawaii, December 1973), pp. 61 and 64.

UNITED STATES AND METRIC WEIGHTS AND MEASURES

CONVERSIONS

U.S.		to	Metric	Metric		to	U.S.
Inches	×	25.4	= millimeters	Millimeters	×	0.039	= inches
Feet	×	0.305	= meters	Meters	×	3.281	= feet
Yards	×	0.914	= meters	Meters	×	1.094	= yards
Miles	×	1.609	= kilometers	Kilometers	×	0.621	= miles
Square inches	×	6.452	= sq centimeters	Sq centimeters	×	0.155	= sq inches
Square feet	×	0.093	= sq meters	Square meters	×	10.764	= sq feet
Square yards	×	0.836	= sq meters	Square meters	×	1.196	= sq yards
Acres	×	0.405	= hectares	Hectares	×	2.471	= acres
Cubic inches	×	16.387	= cu centimeters	Cu centimeters	×	0.061	= cu inches
Cubic feet	×	0.028	= cu meters	Cu meters	×	35.315	= cu feet
Cubic yards	×	0.765	= cu meters	Cu meters	×	1.308	= cu yards
Quarts (lq)	×	0.946	= liters	Liters	×	1.057	= quarts (lq)
Gallons	×	0.004	= cu meters	Cu meters	×	264.172	= gallons
Ounces (avdp)	×	28.350	= grams	Grams	×	0.035	= ounces (avdp)
Pounds (avdp)	×	0.454	= kilograms	Kilograms	×	2.205	= pounds (avdp)

Source: U.S. National Bureau of Standards, Special Publication 304a.

UNITS OF LENGTH

U.S. Measure		to	Metric	Metric Measure		to	U.S.
Inch (in.)		=	25.4 millimeters	Millimeter (mm)	=	.001 meter	= 0.039 inch
Foot (ft)	= 12 in.	=	0.305 meter				
Yard (yd)	= 36 in. or 3 ft	=	0.914 meter	Centimeter (cm)	=	.01 meter	= 0.394 inch
				Meter (m) ¹			= 3.281 feet
Mile (mi)	= 5,280 ft or 1,760 yd	=	1.609 kilometers				
				Kilometer (km)	=	1,000 meters	= 0.621 mile

¹Defined as 1,553,164.13 wave lengths of the red light from cadmium.

UNITS OF AREA

U.S. Measure		to	Metric	Metric Measure		to	U.S.
Sq inch (sq in.)		=	6.452 cm ²				
Sq foot (sq ft)	= 144 sq in.	=	0.093 m ²	Sq millimeter (mm ²)	=	.000001 m ²	= 0.002 sq in.
Sq yard (sq yd)	= 1,296 sq in. or 9 sq ft	=	0.836 m ²	Sq centimeter (cm ²)	=	.0001 m ²	= 0.155 sq in.
				Sq meter (m ²)			
Acre	= 43,560 sq ft or 4,840 sq yd or 160 sq rd	=	0.405 ha	or centare (ca)			= 10.764 sq ft
Sq mile (Sq mi)	= 27,878,400 sq ft or 3,097,600 sq yd or 640 acres	=	2.59 km ²	Sq hectometer (hm ²)	=	10,000 m ²	= 2.471 acres
				or hectare (ha)	=	10,000 m ²	
				Sq kilometer (km ²)	=	1,000,000 m ²	= 0.386 sq mi

UNITS OF VOLUME

U.S. Measure	to	Metric	Metric Measure	to	U.S.
Cu inch (cu in.)	=	16.387 cm ³	Cu millimeter (mm ³) =	.000000001 m ³	= 0.00006 cu in.
Cu foot (cu ft)	=	1,728 cu in.	Cu centimeter (cm ³) =	.000001 m ³	= 0.061 cu in.
Cu yard (cu yd)	=	46,656 cu in. or 27 cu ft	Cu meter (m ³) or stere (s)		= 35.315 cu ft

Source: U.S. National Bureau of Standards, Miscellaneous Publication 233.

UNITS OF WEIGHT (OR MASS)

U.S. Measure	to	Metric	Metric Measure	to	U.S.
Avoirdupois Weight ¹			Milligram (mg)	=	.001 g = 0.015 grain, avdp/t
			Centigram (cg)	=	.01 g = 0.154 grain, avdp/t
			Decigram (dg)	=	.1 g = 1.543 grains, avdp/t
Ounce (oz. avdp)	=	28.350 grams	Gram (g)		= 0.035 oz. avdp
Pound (lb. avdp) ²	=	16 ounces	Dekagram (dkg)	=	10 g = 0.353 oz. avdp or 0.322 oz. t
Hundredweight (cwt)	=	100 pounds	Hectogram (hg)	=	100 g = 3.527 oz. avdp or 3.215 oz. t
Ton, short (tn)	=	2,000 pounds	Kilogram (kg) ⁵	=	1,000 g = 2.205 lb. avdp or 2.679 lb. t
Ton, long	=	2,240 pounds	Metric ton	=	1,000 kg = 1.012 short tons or 0.984 long tons
Troy Weight ³					
Grain	=	0.065 gram			
Pennyweight (dwt)	=	24 grains			
Ounce (oz. t) ⁴	=	480 grains			
		or 20 dwt			
Pound (lb. t)	=	5,760 grains			
		or 12 ounces			

¹Used for weighing ordinary commodities.

²Defined as 0.45359237 kilogram.

³Used for weighing precious metals, jewels, etc.

⁴Also known as fine ounces.

⁵Defined as 1.000028 cubic decimeters.

UNITS OF CAPACITY

Liquid			Dry		
U.S. Measure	to	Metric	U.S. Measure	to	Metric
			Pint (pt)		= 0.551 liter
			Quart (qt)	=	2 pints = 1.101 liters
Fluid ounce (fl oz)	=	29.573 ml			
Pint (pt)	=	16 fl oz	Bushel (bu) ²	=	64 pints = 35.238 liters or 32 quarts
Quart (qt)	=	32 fl oz			
		or 2 pt			
Gallon (gal) ¹	=	8 pt			
		or 4 qt			

¹Defined as 231 cubic inches.

²Defined as 2,150.42 cubic inches.

Metric Measure		to	U.S. Measure			
Milliliter (ml)	=	.001 liter	=	0.034 fl oz (liquid)	=	0.002 pt (dry)
Centiliter (cl)	=	.01 liter	=	0.338 fl oz (liquid)	=	0.018 pt (dry)
Liter (l) ¹			=	1.057 qt (liquid)	=	0.908 qt (dry)
Hectoliter (hl)	=	100 liters	=	26.418 gal (liquid)	=	2.838 bu (dry)

¹Defined as 1.000028 cubic decimeters.

Source: U.S. National Bureau of Standards, Miscellaneous Publication 233.