

## SECTION 7

# LAND USE AND OWNERSHIP

General statistics on the use and ownership of land appear in this section. Information on specific use or ownership categories, such as farms, parks, or military land, is given elsewhere.

Out of 4,050,176 acres on the six largest islands of the State, only 155,705 are in urban use. The largest uses are grazing (1,150,534 acres), forest reserve (1,190,954), and *pali* or other barren land (503,308). Approximately half of the 55,000 acres in Honolulu were unused open space when last surveyed in 1969; the second largest category at that time was residential use, with over 8,300 acres. Approximately 10 percent of the land in the State is owned by the Federal government, 39 percent by State government, 47 percent by major private owners (those with 1,000 or more acres), and less than 6 percent by small landowners.

Reports of the Congressional Committee on Government Operations, University of Hawaii Land Study Bureau and Legislative Reference Bureau, and Oahu Transportation Study provided the data for this section. Statistics for the Mainland are available in Sections 7 and 23 of the *Statistical Abstract of the United States: 1970*.

Table 49.—LAND USE ACREAGES, BY ISLAND: 1968

Land Use	Six islands	Kauai	Oahu	Molokai	Lanai	Maui	Hawaii
All uses .....	4,050,176	354,112	388,928	167,104	89,280	466,432	2,584,320
Pineapple .....	69,276	2,699	18,987	17,276	16,236	14,078	—
Sugar cane .....	262,377	58,927	40,852	4	—	47,819	114,775
Nonplantation agriculture .....	1,197,688	55,311	51,741	90,072	—	180,511	820,053
Vegetable .....	6,708	339	2,102	845	—	1,506	1,916
Orchard .....	24,294	455	1,670	104	—	536	21,529
Grazing .....	1,150,534	53,637	38,608	86,850	—	176,810	794,629
Other <sup>1</sup> .....	2,567	547	1,434	2	—	331	253
Idle agricultural land .....	13,585	333	7,927	2,271	—	1,328	1,726
Forest .....	289,039	38,716	30,033	2,037	5,926	14,504	197,823
Forest reserve .....	1,190,954	157,555	118,766	48,338	—	156,035	710,260
Recreation <sup>2</sup> .....	334,256	11,244	5,184	415	66,683	18,980	334,256
Military .....	38,048	1,886	35,055	316	—	—	791
Urban .....	155,705	4,550	56,850	1,091	435	6,204	86,575
Civilian .....	61,233	4,400	36,957	1,091	435	6,204	12,146
Military .....	17,658	150	17,508	—	—	—	—
Undeveloped subdivision .....	76,814	—	2,385	—	—	—	74,429
Pali and barren land .....	503,308	22,235	23,799	7,477	—	27,852	421,945
Quarry .....	1,462	23	1,077	30	—	85	247
Water .....	8,063	966	6,584	48	—	364	101

<sup>1</sup>Includes water crop (974), forage (423), dairy (738), poultry (275), swine (103), feed lot (38), and salt bed (16).

<sup>2</sup>Includes game management areas (87,585), national parks (299,423), and other recreation areas (17,248).

Source: A.Y. Ching and T. Sahara, *Land Use and Productivity Rating, State of Hawaii, 1968*, Land Study Bureau Circular No. 15 (University of Hawaii, Land Study Bureau, July 1969), pp. 18-19.

**Table 50.—LAND USE SUMMARY, FOR OAHU: 1969**

Land use	Area (in acres)		
	Oahu	Honolulu	Rest of Oahu
Total area <sup>1</sup> .....	381,934.85	54,738.26	327,196.59
Residential <sup>2</sup> .....	22,676.00	8,309.47	14,366.53
Industrial .....	6,304.94	2,622.62	3,682.32
Commercial .....	1,645.23	1,024.57	620.66
Hotel .....	97.87	90.73	7.14
Public buildings .....	5,226.08	2,372.90	2,853.18
Public open spaces .....	7,795.17	2,660.40	5,134.77
Highways and streets .....	8,495.00	3,718.00	4,777.00
Agriculture .....	88,739.90	1,004.95	87,734.95
Military .....	47,650.43	5,394.53	42,255.90
Unused open space <sup>3</sup> .....	193,304.23	27,540.09	165,764.14

<sup>1</sup>Differs somewhat from measurement by the Bureau of the Census (379,328 for Oahu, 53,504 for Honolulu, and 325,824 for the rest of Oahu).

<sup>2</sup>Not directly comparable to 1964 data in *State of Hawaii Data Book 1970*, table 39, p. 36; for 1969, large parcels containing both residential and vacant areas were divided and reported separately.

Source: Hawaii State Department of Transportation, Advance Transportation Planning Office, 1969 land use files.

**Table 51.—LAND AND FLOOR AREA IN COMMERCIAL AND HOTEL USE, FOR OAHU: 1964**

Land use	No. of establish.	Land area (acres)	Floor area (square feet)	
			Total	Per estab.
Retailing .....	3,746	1,016	10,986,345	2,933
Services, exc. hotels .....	4,862	434	9,146,100	1,881
Hotels .....	60	73	5,001,017	83,350

Source: State of Hawaii and City and County of Honolulu, *Oahu Transportation Study*, Vol. I, *Economic, Population, and Land Use* (1967), pp. IV-A-1, IV-A-2, and IV-A-3.

**Table 52.—LAND OWNERSHIP, BY ISLAND: 1964**

(In acres)

Island	All owners <sup>1</sup>	Government		Private	
		Federal <sup>2</sup>	State <sup>3</sup>	Major <sup>4</sup>	Other
All islands <sup>5</sup> .....	4,105,600	401,482	1,590,532	1,923,183	224,193
Hawaii .....	2,573,440	210,984	1,126,121	1,052,582	183,753
Kahoolawe .....	28,800	28,770	—	—	30
Maui .....	465,920	17,181	204,400	230,496	13,843
Lanai .....	90,240	8	—	88,792	1,440
Molokai .....	165,760	353	51,400	110,444	3,563
Oahu <sup>5</sup> .....	380,800	139,925	56,672	217,851	—
Kauai .....	352,640	2,200	151,939	176,953	21,549
Niihau .....	46,080	—	—	46,065	15
Other islands <sup>5</sup> .....	1,920	2,062	—	—	—
<b>PERCENT DISTRIBUTION</b>					
All islands <sup>5</sup> .....	100.0	9.8	38.7	46.8	5.5
Hawaii .....	100.0	8.2	43.8	40.9	7.1
Kahoolawe .....	100.0	99.9	—	—	0.1
Maui .....	100.0	3.7	43.9	49.5	3.0
Lanai .....	100.0	0.0	—	98.4	1.6
Molokai .....	100.0	0.2	31.0	66.6	2.1
Oahu <sup>4</sup> .....	100.0	6.7	14.9	57.2	—
Kauai .....	100.0	0.6	43.1	50.2	6.1
Niihau .....	100.0	—	—	100.0	0.0
Other islands .....	100.0	100.0	—	—	—

<sup>1</sup>For more recent estimates of total land area, see the following table.

<sup>2</sup>Includes fee simple and ceded land.

<sup>3</sup>Includes State land managed by Hawaiian Homes Commission or County Governments.

<sup>4</sup>Owners with 1,000 acres or more in the State.

<sup>5</sup>See source for explanation of apparent discrepancies.

Source: Robert H. Horwitz and Judith B. Finn, *Public Land Policy in Hawaii: Major Landowners* (Legislative Reference Bureau, Univ. of Hawaii, Report No. 3, 1967), p. 99.

**Table 53.—LAND OWNERSHIP, PUBLIC AND PRIVATE, BY COUNTY: 1970**

Land ownership	The State	City & County of Honolulu	County of Hawaii	County of Kauai	County of Maui
<b>NUMBER OF ACRES</b>					
All land .....	4,112,256	381,248	2,583,680	396,224	751,104
Government land .....	1,156,674	100,230	810,436	94,006	152,002
United States .....	309,240	45,927	211,044	2,273	49,996
State of Hawaii .....	775,948	43,545	562,101	91,224	79,078
Hawaiian Home Lands ....	59,375	705	36,773	180	21,717
Counties .....	12,111	10,053	518	329	1,211
Private land .....	2,955,582	281,018	1,773,244	302,218	599,102
<b>PERCENT DISTRIBUTION</b>					
All land .....	100.0	100.0	100.0	100.0	100.0
Government land .....	28.1	26.3	31.4	23.7	20.2
United States .....	7.5	12.0	8.2	0.6	6.7
State of Hawaii .....	18.9	11.4	21.8	23.0	10.5
Hawaiian Home Lands ....	1.4	0.2	1.4	0.0	2.9
Counties .....	0.3	2.6	0.0	0.1	0.1
Private land .....	71.9	73.7	68.6	76.3	79.8

Source: Hawaii State Department of Taxation, records.

**Table 54.—FEDERALLY OWNED PROPERTY: 1960 AND 1968**

Subject	June 30, 1960	June 30, 1968
Number of installations .....	167	142
Land (acres), total .....	234,074.1	397,278.9
Urban .....	23,530.2	55,233.4
Rural .....	210,543.9	342,045.5
Number of buildings .....	11,506	11,590
Cost (\$1,000), total .....	877,162	1,051,246
Land .....	21,910	25,374
Buildings .....	407,478	514,262
Structures and facilities .....	447,774	511,610

Source: Committee on Government Operations, U.S. House of Representatives, *Federal Real and Personal Property Inventory (Civilian and Military) of the United States Government Covering Its Properties Located in the United States, in the Territories, and Overseas* (biennial report).