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Section 6

LAND USE AND OWNERSHIP

General statistics on the use, ownership, and tenure of land appear in this section. Information on specific use or ownership categories is given elsewhere: parks in Section 7, military land in Section 10, agriculture in Section 19, forests in Section 20, sugar cane land in Section 22, and foreign ownership on Section 24.

Considerable caution is necessary in comparing statistics from different sources on land use, ownership, or tenure. Variations in definitions and survey dates seriously affect comparability in many instances, even where terminology is relatively unambiguous and misinterpretation seems unlikely.

Tabulations by the U.S. Department of Agriculture, U.S. General Services Administration, Hawaii State Department of Hawaiian Home Lands, Hawaii State Department of Land and Natural Resources, Hawaii State Department of Business, Economic Development & Tourism and its Land Use Commission, City and County of Honolulu Budget and Fiscal Services Department, and City and County of Honolulu Planning Research Branch provided the data for this section. *Historical Statistics of Hawaii*, Section 12, contains limited information for earlier years. National data on land use are available in Sections 6, 17, and 26 of the *Statistical Abstract of the United States: 2010*.

Table 6.01-- LAND OWNERSHIP, COVER, OR USE: 1982 TO 1997

[In thousands of acres. Based on sample data and subject to sampling variation. Small differences between reported values accordingly may not be statistically significant]

Land ownership, cover, or use	1982	1987	1992	1997 1/
Total surface area	4,158.4	4,158.4	4,158.4	4,158.4
Land ownership				
Federal land 2/	321.5	388.0	389.7	361.2
Water area	52.5	52.6	52.4	52.4
Nonfederal land	3,784.4	3,717.8	3,716.3	3,744.8
Developed	149.2	153.1	172.9	179.7
Rural	3,635.2	3,564.7	3,543.4	3,565.1
Land cover or use 3/				
Nonfederal rural land	3,635.2	3,564.7	3,543.4	3,565.1
Cropland	303.1	294.7	274.4	246.3
Cultivated	268.2	252.6	228.6	198.0
Irrigated	169.2	162.9	134.7	101.6
Nonirrigated	99.0	89.7	93.9	96.4
Noncultivated	34.9	42.1	45.8	48.3
Irrigated	8.6	11.0	23.9	21.8
Nonirrigated	26.3	31.1	21.9	26.5
Conservation Reserve Prog. land 4/	-	-	-	-
Pastureland	41.0	33.8	36.1	35.9
Rangeland	1,006.1	996.4	1,011.7	1,008.7
Forest land	1,663.2	1,633.6	1,621.3	1,635.2
Other rural land	621.8	606.2	599.9	639.0
Prime farmland, by cover or use 5/				
Total rural land	269.7	257.9	248.8	249.1
Cropland	185.9	180.6	169.6	150.0
Conservation Reserve Prog. land 4/	-	-	-	-
Pastureland	19.5	15.0	15.6	15.5
Rangeland	38.1	37.4	36.6	43.6
Forest land	25.1	23.4	24.3	25.1
Other rural land	1.1	1.5	2.7	14.9

1/ Annual NRI surveys were conducted in 2001, 2002 and 2003 but only covered the 48 contiguous states. Future estimates will also cover Hawaii, Alaska, the Caribbean, and selected Pacific Basin islands. See the National Resources Inventory 2003 Annual NRI <<http://www.nrcs.usda.gov/technical/land/nri03/nri03landuse-mrb.html>> for discussion. See also *2007 National Resources Inventory Summary* (December 2009) and *NRI 2007 - Soil Erosion* (April 2010). Results for Hawaii will become available in late 2010 <<http://www.nrcs.usda.gov/technical/NRI/>>.

2/ Includes ceded land; excludes leased land and submerged land.

3/ Land cover is the vegetation or other kind of material that covers the land surface. Land use is the purpose of human activity on the land; it is usually, but not always, related to land cover. The NRI uses the term land cover/use to identify categories that account for all the surface area of the United States.

4/ Land under a federal program established under the Food Security Act of 1985 to assist private landowners to convert highly erodible cropland to vegetative cover for 10 years.

5/ Prime farmland has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is also available for these uses.

Source: U.S. Department of Agriculture, Natural Resources Conservation Service (formerly the Soil Conservation Service), *1997 National Resources Inventory* (revised December 2000)

<http://www.nrcs.usda.gov/technical/NRI/1997/summary_report> accessed June 5, 2006.

**Table 6.02-- LAND USE AND STRUCTURAL CHARACTERISTICS OF OAHU:
1994 AND 1998**

Subject	June 1994: Oahu total	June 1998		
		Oahu total	Honolulu district	Rest of Oahu
LAND USE (IN ACRES)				
All existing uses	375,146	374,870	54,125	320,745
Residential	31,110	32,110	9,913	22,197
Industrial	8,658	9,571	3,790	5,781
Commercial	4,177	4,277	1,543	2,734
Hotel	319	315	128	187
Agriculture	70,400	56,954	300	56,654
Usable vacant	38,632	48,084	2,449	45,635
Other	221,851	223,559	36,002	187,557
STRUCTURES BY YEAR BUILT 1/				
All structures	160,693	165,783	64,351	101,432
Before 1930	6,777	6,337	4,977	1,360
1930 to 1939	8,537	8,225	5,266	2,959
1940 to 1949	14,477	14,087	8,145	5,942
1950 to 1959	29,516	29,109	13,961	15,148
1960 to 1969	40,846	40,581	15,305	25,276
1970 to 1979	28,324	28,247	8,122	20,125
1980 to 1989	20,244	20,197	5,215	14,982
1990 and later	11,972	19,000	3,360	15,640
DWELLING UNITS BY TYPE 1/				
All dwelling units	280,846	291,999	153,035	138,964
Single family and duplex	148,850	153,609	58,002	95,607
Low density multi-family	20,639	23,797	1,392	22,405
High density multi-family	111,357	114,593	93,641	20,952

1/ Data exclude structures on military bases.

Source: City and County of Honolulu, Planning Information Branch, records.

**Table 6.03-- ESTIMATED ACREAGE OF LAND USE DISTRICTS:
1969 TO 2006**

[Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes, as amended. All data are approximate]

Year and month	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
UNADJUSTED 3/					
1969: August	4,111,500	140,163	2,009,087	1,955,875	6,375
1974: March	4,111,500	147,472	1,986,429	1,968,727	8,872
1978: December	4,111,500	151,929	1,976,106	1,974,230	9,235
1983: December	4,112,388	156,568	1,975,473	1,970,146	10,201
1984: December	4,112,388	158,620	1,969,351	1,974,236	10,181
1985: December	4,112,388	163,211	1,968,804	1,970,189	10,184
1986: December	4,112,388	165,165	1,967,638	1,969,401	10,184
1987: December	4,112,388	166,507	1,967,168	1,968,524	10,189
ADJUSTED 3/					
1987: December	4,112,388	165,607	1,967,247	1,969,345	10,189
1988: December	4,112,388	171,230	1,967,194	1,963,766	10,198
1989: December	4,112,388	175,285	1,960,976	1,965,935	10,192
1990: December	4,112,388	178,114	1,960,608	1,963,491	10,175
1991: December	4,112,388	181,407	1,959,621	1,961,294	10,066
1992: December	4,112,388	180,912	1,960,615	1,960,795	10,066
1993: December	4,112,388	187,697	1,958,897	1,955,704	10,090
1994: December	4,112,388	189,418	1,974,549	1,938,505	9,916
1995: December	4,112,388	190,257	1,976,016	1,936,197	9,918
1996: December	4,112,388	191,941	1,974,994	1,935,526	9,927
1997: December	4,112,388	192,158	1,974,994	1,935,305	9,931
1998: December	4,112,388	193,001	1,974,994	1,934,423	9,970
1999: December	4,112,388	194,592	1,974,994	1,932,792	10,010
2000: December	4,112,388	193,308	1,976,004	1,933,066	10,010
2001: December	4,112,388	194,556	1,974,106	1,933,687	10,039
2002: December	4,112,388	195,495	1,973,973	1,932,862	10,058
2003: December	4,112,388	196,215	1,973,636	1,932,429	10,108
2004: December	4,112,388	196,991	1,973,636	1,931,378	10,383
2005: December 4/	4,112,388	197,085	1,973,636	1,930,797	10,870
2006: December 4/	4,112,388	197,663	1,973,631	1,930,224	10,870

1/ These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census, cited in Section 5. The increase in the 1983 total area reflects additions to the Urban District on Oahu at Honolulu International Airport (Reef runway and South Ramp refill) created from former submerged lands.

2/ For definitions, see Hawaii Revised Statutes, Section 205-2.

3/ For changes in classification resulting from court decisions on past Commission actions.

4/ May be revised, pending updates of County records.

Source: Hawaii State Department of Business, Economic Development & Tourism, Land Use Commission, records.

**Table 6.04-- ESTIMATED ACREAGE OF LAND USE DISTRICTS,
BY ISLAND: DECEMBER 31, 2006**

[Total acreage, including inland water, as classified by the Hawaii State Land Use Commission under the provisions of Chapter 205, Hawaii Revised Statutes, as amended. All data are approximate]

Island	Total area 1/	Classification by State Land Use Commission 2/			
		Urban	Conservation	Agricultural	Rural
State total	4,112,388	197,663	1,973,631	1,930,224	10,870
Hawaii 3/	2,573,400	53,722	1,304,347	1,214,040	1,291
Maui	465,800	22,823	194,836	244,088	4,053
Kahoolawe	28,800	-	28,800	-	-
Lanai	90,500	3,257	38,197	46,639	2,407
Molokai	165,800	2,539	49,768	111,627	1,866
Oahu 3/	386,188	100,764	156,614	128,810	-
Kauai	353,900	14,558	198,769	139,320	1,253
Niihau	45,700	-	-	45,700	-
Kaula and Lehua	400	-	400	-	-
Other islands 4/	1,900	-	1,900	-	-

1/ These totals differ somewhat from the official figures based on measurements by the Geography Division of the U.S. Bureau of the Census, cited in Section 5.

2/ For definitions, see Hawaii Revised Statutes, Section 205-2.

3/ May be revised, pending updates of County records.

4/ The Northwestern Hawaiian Islands, from Nihoa to Kure Atoll, excluding Midway.

Source: Hawaii State Department of Business, Economic Development & Tourism, Land Use Commission, records.

Table 6.05-- NUMBER OF LAND RECORDS, BY COUNTY: 1991 TO 2010

[For fiscal year ending June 30. Beginning with 1993 report, does not include non-taxable properties]

Year	State total	City and County of Honolulu	County of Maui	County of Hawaii	County of Kauai
1991	426,392	224,880	51,585	125,779	24,148
1992	433,618	228,025	52,997	127,379	25,217
1993	441,747	233,464	54,039	128,337	25,907
1994	449,744	237,815	55,994	129,434	26,501
1995	456,003	242,285	56,726	129,856	27,136
1996	463,137	246,933	57,665	130,623	27,916
1997	471,212	251,731	58,624	131,981	28,876
1998	475,122	253,886	59,505	132,605	29,126
1999	478,737	255,589	60,490	133,322	29,336
2000	483,879	258,121	61,897	134,308	29,553
2001	487,646	259,456	62,873	135,499	29,818
2002	(NA)	260,662	(NA)	(NA)	30,097
2003	474,660	252,435	60,472	133,321	28,432
2004	478,628	255,029	60,537	134,290	28,772
2005	482,645	258,415	61,273	134,021	28,936
2006	489,308	262,479	62,521	134,885	29,423
2007	500,481	268,441	64,597	136,612	30,831
2008	507,900	271,859	65,938	138,281	31,822
2009	514,029	274,483	67,981	139,167	32,398
2010	518,031	276,582	68,930	139,649	32,870

NA Not available.

Source: City and County of Honolulu, Department of Budget & Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates, & Exemptions Tax Year, State of Hawaii* (annual) and <<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed August 3, 2009; and earlier reports as the Department of Finance.

**Table 6.06-- REAL PROPERTY TAX EXEMPTIONS FOR CEMETERIES,
CHURCHES, HOSPITALS AND SCHOOLS, BY COUNTY: 2010**

[For fiscal year ending June 30]

Category	Cemeteries	Churches	Hospitals	Schools
NUMBER				
State total	107	1,505	89	192
Honolulu	44	843	70	121
Maui	7	227	12	10
Hawaii	44	291	2	58
Kauai	12	144	5	3
AMOUNT (\$1,000)				
State total	69,802	2,494,935	704,686	937,901
Honolulu	54,278	1,823,619	626,382	738,328
Maui	1,480	368,492	49,078	98,618
Hawaii	5,268	166,824	14,718	78,809
Kauai	8,776	136,000	14,508	22,146

Source: City and County of Honolulu, Department of Budget and Fiscal Services, Real Property Assessment Division, *Real Property Tax Valuations, Tax Rates & Exemptions, 2009-2010 Tax Year, State of Hawaii* (August 2009) and <<https://www.realpropertyhonolulu.com/portal/rpadcms/Reports?parent=REPORTS>> accessed August 3, 2009.

Table 6.07-- MAJOR LANDOWNERS BY ISLAND, BY TYPE: 2006

[In acres]

Rank	Landowner	Total acres	Hawaii	Kahoolawe	Kauai	Lanai	Maui	Molokai	Niihau	Oahu
1	Gov't. - State (including DHHL)	1,495,810.1	1,060,045.5	28,536.8	153,153.5	559.9	128,976.7	48,941.4	256.0	75,340.2
	Gov't. - State (excluding DHHL)	1,303,268.3	947,452.5	28,536.8	133,632.2	512.7	97,176.4	24,196.4	256.0	71,505.3
	Gov't. - State Dept. of Hawaiian Home Lands (DHHL)	192,541.8	112,593.0	-	19,521.3	47.2	31,800.3	24,745.0	-	3,834.9
2	Government - Federal	500,318.2	408,162.0	43.4	3,287.2	8.3	29,290.0	136.5	256.0	59,134.8
3	Kamehameha Schools	366,448.3	297,194.0	-	11,729.2	-	2,561.9	4,936.7	-	50,026.4
4	Parker Ranch	134,662.0	134,662.0	-	-	-	-	-	-	-
5	Castle & Cooke	126,084.5	-	-	-	89,244.3	-	2,745.0	-	34,095.2
6	Alexander & Baldwin Inc.	114,038.5	-	-	20,435.8	-	93,602.7	-	-	-
7	James Campbell Estate	54,907.5	26,700.0	-	-	-	4,293.9	-	-	23,913.6
8	Robinson Family	50,965.1	-	-	50,965.1	-	-	-	-	-
9	Robinson Aylmer	46,705.2	-	-	-	-	-	-	46,705.2	-
10	Molokai Ranch	44,926.1	-	-	-	-	-	44,926.1	-	-
11	Government - County 1/	32,503.5	5,427.2	-	622.7	171.9	7,240.9	245.6	-	18,795.2
12	Haleakala Ranch Co.	30,536.1	-	-	-	-	30,536.1	-	-	-
13	Maui Land & Pineapple Co. Inc.	26,613.2	-	-	-	-	26,613.2	-	-	-
14	Yee Hop	21,637.1	21,637.1	-	-	-	-	-	-	-
15	Grove Farm	21,390.6	-	-	21,390.6	-	-	-	-	-
16	C. Brewer	19,837.4	6,669.5	-	-	-	13,167.9	-	-	-
17	Ulupalakua Ranch	17,940.0	-	-	-	-	17,940.0	-	-	-
18	Visionary LLC	17,939.0	-	-	17,939.0	-	-	-	-	-
19	W.H. Shipman	16,839.9	16,839.9	-	-	-	-	-	-	-
20	Hawaii Forest Preservation	13,230.0	13,230.0	-	-	-	-	-	-	-

1/ Maui County includes the islands of Maui, Molokai and Lanai.

Source: Hawaii State Department of Business, Economic Development & Tourism, Office of State Planning, GIS Program, Large Landowners Data - 2006, records.

Table 6.08-- REAL PROPERTY OWNED BY OR LEASED TO THE FEDERAL GOVERNMENT: 2003 TO 2008

[As of September 30. On February 4, 2004, President George W. Bush issued Executive Order 13327, which redefines federal real property to exclude, among other classifications, the national parks, and creates a Federal Real Property Council to oversee federal real property assets. The land acreages are comparable within the period ending in 2004 and then within the period beginning in 2007, but not between the two periods]

Subject	2003	2004	2005	2006	2007 1/	2008
Total number of buildings	16,640	(NA)	(NA)	(NA)	(NA)	(NA)
Owned	16,459	13,642	(NA)	(NA)	(NA)	(NA)
Leased	181	(NA)	(NA)	(NA)	(NA)	(NA)
Total building area (1,000 sq. ft.)	86,478	75,838	2/ 61,303	62,234	59,700	47,900
Owned	85,729	74,591	2/ 59,967	60,261	50,300	46,500
Leased	750	1,247	1,336	1,288	8,800	700
Otherwise managed	(NA)	(NA)	(NA)	685	600	700
Total Federal Gov't land acreage	(NA)	(NA)	(NA)	(NA)	193,450	1,096,333
Owned	671,580	796,726	(NA)	(NA)	178,286	178,255
Public domain 3/	270,011	(NA)	(NA)	(NA)	(NA)	(NA)
Acquired by other methods 4/	401,569	(NA)	(NA)	(NA)	(NA)	(NA)
Leased	(NA)	(NA)	(NA)	(NA)	7,340	59,579
Otherwise managed 5/	(NA)	(NA)	(NA)	(NA)	7,824	858,499
Acreage of the State of Hawaii	4,105,600	4,105,600	(NA)	(NA)	(NA)	(NA)
Owned by the Federal Gov't (%)	16.4	19.4	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ The redefined federal real property now excludes, for example, the Hawaii Volcanoes National Park (estimated 323,431 acres), and Haleakala (estimated 29,094 acres), while continuing to include, for example, the U.S Department of Defense installations (an estimated 177,026 owned acres).

2/ DBEDT corrected total. As published, total is less than sum of 'owned' and 'leased'

3/ Public Domain refers to land the Federal Government owned by virtue of its sovereignty. Public domain includes land that has never left Federal ownership, land acquired by the Federal Government in exchange for other public land, and land reverting to Federal ownership as the result of public land laws.

4/ Includes any land acquired by purchase, condemnation, donation, exchange, and other acquisition methods.

5/ Indicate that a U.S. state government holds title to the real property asset, but rights for use have been granted to a Federal Government entity in a method other than a leasehold arrangement.

Source: U.S. General Services Administration, *Federal Real Property Profile* (annual)
<<http://www.gsa.gov/frppreports>> accessed January 6, 2010.

Table 6.09-- DEPARTMENT OF HAWAIIAN HOME LANDS ACREAGE, LESSEES, AND APPLICANTS, BY ISLAND: 2008 AND 2009

[As of June 30. The Department of Hawaiian Home Lands administers land set aside for the benefit of qualified native Hawaiians, who are eligible to receive homestead leases and financial assistance from the Department]

Subject	State total	Hawaii	Maui	Lanai	Molokai	Oahu	Kauai
2008							
Acreage 1/	203,225	117,550	31,796	50	25,769	7,495	20,565
Homestead leases 2/	45,603	29,885	2,682	14	11,005	1,111	906
General leases	15,133	12,765	512	-	1,763	67	27
Licenses	26,263	17,811	7,326	-	720	319	87
Others	116,226	57,089	21,276	36	12,281	5,999	19,545
Homestead leases 2/	9,539	2,528	1,409	26	843	3,993	740
Residential	8,030	1,719	1,269	26	392	3,933	691
Agricultural	1,102	506	65	-	424	60	47
Pastoral	407	303	75	-	27	-	2
Applications 2/	39,155	13,794	8,049	58	1,844	11,635	3,775
Residential	19,647	5,435	3,368	58	716	8,611	1,459
Agricultural	16,719	6,548	4,158	-	949	3,024	2,040
Pastoral	2,789	1,811	523	-	179	-	276
2009							
Acreage 1/							
Homestead leases 2/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General leases	13,392	11,017	512	-	1,764	72	27
Licenses	26,193	17,731	7,320	-	721	315	106
Others	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Homestead leases 2/	9,748	2,522	1,428	27	846	4,183	742
Residential	8,238	1,713	1,288	27	394	4,123	693
Agricultural	1,102	505	65	-	425	60	47
Pastoral	408	304	75	-	27	-	2
Applications 2/	40,084	14,009	8,295	61	1,884	12,032	3,803
Residential	20,122	5,505	3,475	61	727	8,885	1,469
Agricultural	17,116	6,658	4,286	-	969	3,147	2,056
Pastoral	2,846	1,846	534	-	188	-	278

NA Not available.

1/ Acreage rounded to the nearest whole acre.

2/ Residence, agriculture, or pasture. Since applicants may apply for two types of leases, duplications occur. The Department estimates that 2008 and 2009 Statewide applications of 39,155 and 40,084 are held by some 24,296 and 20,122 applicants respectively. Data are subject to audit.

Source: Hawaii State Department of Hawaiian Home Lands, *Annual Report 2008*, pp. 12, 14 and 25; and *Ibid. Annual Report 2009*, pp. 26, 29, 39, and 60 <<http://hawaii.gov/dhhl/publications/annual-reports/>> accessed June 17, 2010.

**Table 6.10-- STATE PUBLIC AND SET-ASIDE LAND INVENTORY,
BY COUNTY: JANUARY 10, 1999**

[In thousands of acres]

Type of document	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Public lands	397.9	19.5	296.9	38.0	43.5
General lease 1/ 2/	224.7	4.7	184.6	22.9	12.5
Revocable permit 1/ 3/	41.5	1.3	23.2	4.4	12.6
Unencumbered lands 4/	131.7	13.5	89.1	10.7	18.4
Lands set aside to other government agencies	758.0	42.9	525.1	96.6	93.4
Executive order 1/	255.9	13.7	199.9	23.9	18.4
Governor's proclamation	502.1	29.2	325.2	72.7	75.0

1/ Acreage may include overlapping encumbrances.

2/ Long-term leases. Mostly agricultural and pasture land. Includes land covered by water licenses not set aside to other government agencies.

3/ Month-to-month leases. Mostly agricultural and pasture land. Includes land licenses.

4/ Parcels with no documents and not in use.

Source: Hawaii State Department of Land and Natural Resources, Land Management Division, records.