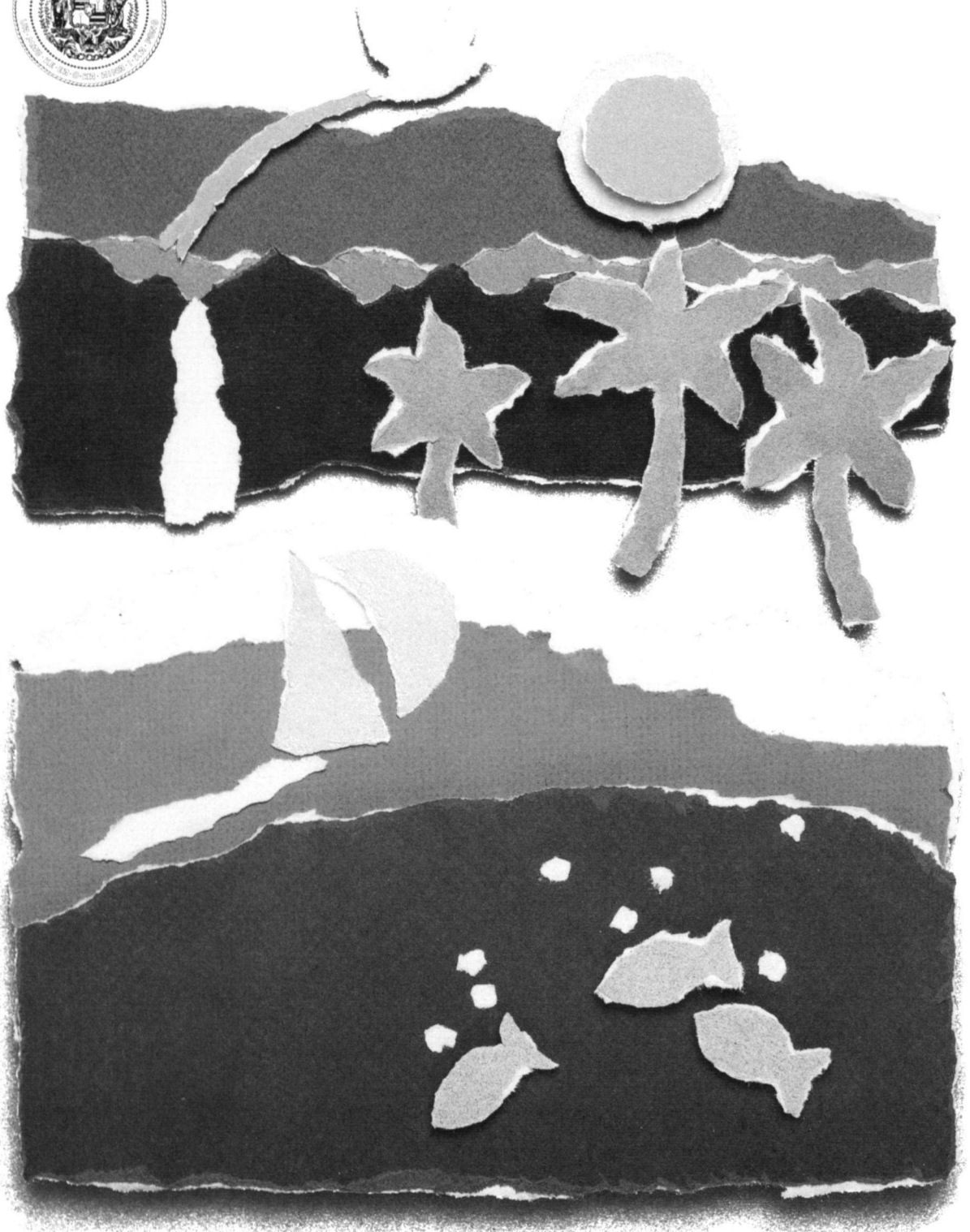
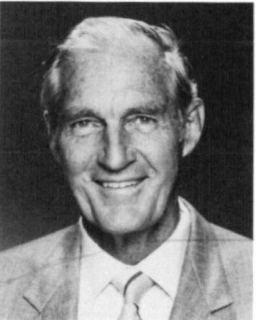


State of Hawaii  
Department of Land  
and Natural Resources  
Report To The  
Governor 1986-87  
Volume II





Honorable John Waihee  
Governor of Hawaii  
State Capitol  
Honolulu, Hawaii



William W. Paty  
Member and Chairperson  
Board of Land and  
Natural Resources



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**Administrative  
Services  
Office**

The Administrative Services Office provides general support, internal management, and fiscal services to the Chairperson and Members of the Board, and to the staff and operating units of the Department. It provides specialized liaison services with the Department of Budget and Finance, the Department of Accounting and General Services, the Office of State Planning, and federal agencies. This Office also coordinates the preparation and implementation of the Departmental operating and capital improvement project budgets. It coordinates and provides internal and external audit functions for the Department, including the reviewing of accounting records to ensure compliance with project and lease agreements. Finally, this Office coordinates the electronic data processing needs of the Department and assists the divisions and staff offices in the preparation of a plan for distributed information processing and information resource management (DIPIRM).

**General  
Fund  
Revenues**

The Department collected and transferred to the State General Fund revenues from various sources amounting to \$13,624,377 for the fiscal year ended June 30, 1986 and \$14,770,329 for the fiscal year ended June 30, 1987. Details are displayed in this appendix. Major revenue sources generated by the Department for the

1986-87 fiscal year were 48 percent from various public land and State park rentals, licenses and concessions (\$7,149,468) and 42 percent from conveyance taxes and recording and filing fees of legal instruments (\$6,140,227). The 1986-87 fiscal year revenue increase of 8.4 percent over the prior 1985-86 fiscal year was principally caused by an increase in real estate transactions and prices and an increase in filing fees of land court documents.

**Native  
Hawaiian  
Rehabilitation  
Fund**

As provided by the State Constitution, 30 percent of the State receipts derived from the leasing of cultivated sugarcane land and from water licenses was transferred to the Native Hawaiian Rehabilitation Fund. The amount transferred to the fund during the 1986-87 fiscal year was \$786,888. The total amount transferred to the fund since the 1978 constitutional amendment was \$6,854,455 as of June 30, 1987.

**Office of  
Hawaiian Affairs  
Public Land  
Proceeds Fund**

Act 273, Session Laws of Hawaii 1980, provides that 20 percent of all funds derived from the public land trust described in Section 10-3, Hawaii Revised Statutes, be transferred to the Office of Hawaiian Affairs (OHA). Funds are transferred on a quarterly basis. The amount transferred to OHA during the 1986-87 fiscal year was \$1,691,827. This includes \$1,617,656 from State

	land revenues and \$74,171 from State park concessions. The total transferred to OHA since the approval of Act 273, Session Laws of Hawaii 1980, amounted to \$10,057,390.	revenue information that is accessible to other divisions. This system allows on-line updating of customer information such as name, address, phone number, etc. and provides complete revenue summaries and delinquent reports.
<b>Distributed Information Processing and Information Resource Management (DIPIRM) Plan</b>	<p>During this past fiscal year, a total of five major computer applications were implemented on Budget and Finance's Electronic Data Processing Division (EDPD) Wang VS 300 minicomputer. The following applications allowed approximately 125 to 150 users in the Department to share and access information:</p> <ol style="list-style-type: none"><li>1. Automated Department Information System (ADIS)—The installation of the WangNet Local Area Network in the Kalanimoku State Office Building and via telecommunications to the neighbor islands provides DLNR workstations with common office capabilities such as word and data processing, electronic mail and calendaring.</li><li>2. Automated Revenue Accounting System (ARAS)—This system provides the Administrative Services Office with the ability to maintain and improve the revenue and cash receipts cycle, including the accounts receivable for the Department. ARAS has a database consisting of over 2,000 general leases, revocable permits, special sales agreements and other</li></ol>	<ol style="list-style-type: none"><li>3. Land Court Automated Title System (LCATS)—The purpose of this system is to computerize the Land Court Registration subsystem in the Bureau of Conveyances. This on-line system has the capability to search, retrieve and update land title information data. In addition, a facsimile of the Transfer Certificate of Title (TCT) can be produced for signature and distribution purposes. The objectives of LCATS are to provide for accuracy and timely processing in recording land court documents and to reduce the current document processing backlog to a ten (10) working day turnaround time.</li><li>4. State Parks Reservation and Visitor Information System (SPRVIS)—This Statewide, on-line system allows the issuance of permits and reservations for any State park facility in the State from any of the State Parks, Outdoor Recreation, and Historic Sites Division offices located on the four major islands. SPRVIS also provides visitor use</li></ol>

data and generates reports such as cabin and camping use and visitor count for management and park planning purposes.

5. Fisheries Information System  
Hawaii (FISH)—The Division of Aquatic Resources collects and reports commercial fisheries data. The main system currently resides on EDPD’s IBM mainframe computer. Phase I of their plan is currently underway to download their data into EDPD’s Wang VS 300 minicomputer. This arrange-

ment will allow on-line capabilities to correct erroneous inputted data, to add new records, and to query and produce ad hoc reports of their Commercial Fish Catch data bases.

The Department is currently in the process of updating the DIPIRM Plan. Additional applications will be prioritized and implemented with the goal of improving services to the public through automation.

General Fund Revenues

Source of Revenues	Amount FY 1986	Amount FY 1987
Lease and Rental of State Land and Water Licenses	\$ 7,717,291	\$ 6,081,412
Conveyance Tax	1,955,196	3,603,618
Recording of Legal Instruments	1,562,372	2,536,609
Various Rentals and Concession Income in State Parks	1,000,351	1,068,056
Sale of Public Lands	734,892	575,212
Federal Indirect Cost Recoveries and Grants	180,683	190,590
Hunting and Fishing Licenses	191,216	193,974
Sales of Forestry Products	88,883	241,267
Sales of Aquaculture Products	—	10,839
Refunds and Reimbursements of Prior Year Expenditures and Vacation Credits from Other Agencies	67,884	81,107
Commercial Film Land Rentals	35,060	65,739
Various Fees Relating to Public Land	25,028	17,569
Fees—Conservation District Use Application and Public Hearing	6,450	6,550
Fines—State Conservation District Use and Other Public Land Violations	17,368	7,195
Interest Earned on Time Certificates of Deposit	37,712	68,478
Interest on Delinquent Accounts	3,195	10,432
Indemnity for Damages and Forfeitures	42	9,565
Sale of Confiscated Evidence and Other Equipment and Property	150	1,133
Others	604	984
TOTAL	\$13,624,377	\$14,770,329

# Status of Appropriation Account Balances—Operating Funds

Fiscal Year 1986-87

Program I.D. LNR	Program Title	Fund	Appropriation Beginning Balance	Transfers <sup>1</sup>	Collective Bargaining	Net Appropriation	Expenditures, Claims and Contract Encumbrances	Lapses <sup>2</sup>
101	Public Lands Management	General	\$ 1,183,949	\$ 23,500	\$ 92,256	\$ 1,299,705	\$ 1,298,444	\$ 1,261
111	Conveyances and Recording	General	870,807	77,000	90,216	1,038,023	1,037,755	268
141	Water Development and Irrigation Services	General	573,528	29,000	40,658	643,186	642,800	386
		Special	327,000	—	125	327,125	326,581	544
			900,528	29,000	40,783	970,311	969,381	930
153	Commercial Fishery and Aquaculture	General	1,676,926	(110,000)	81,480	1,648,406	1,648,285	121
		Federal	160,590	—	—	160,590	155,590	5,000
			1,837,516	(110,000)	81,480	1,808,996	1,803,875	5,121
172	Forestry— Products Development	General	873,619	—	33,385	907,004	899,820	7,184
		Federal	104,833	—	—	104,833	104,833	—
			978,452	—	33,385	1,011,837	1,004,653	7,184
401	Aquatic Resources	General	450,460	(44,000)	46,734	453,194	452,307	887
		Federal	58,837	—	—	58,837	45,306	13,531
			509,297	(44,000)	46,734	512,031	497,613	14,418
402	Forests and Wildlife Resource	General	1,427,790	(12,000)	99,250	1,515,040	1,504,020	11,020
		General—Fire Contingency	250,000	—	—	250,000	118,549	131,451
		Federal	344,360	—	—	344,360	344,360	—
			2,022,150	(12,000)	99,250	2,109,400	1,966,929	142,471
403	Mineral Resources	General	111,345	—	8,832	120,177	119,884	293
404	Water Resources	General	922,822	(7,500)	40,014	955,336	954,751	585
405	Conservation and Resources Enforcement	General	1,874,549	18,000	196,579	2,089,128	2,069,938	19,190
		Federal	26,622	—	—	26,622	26,622	—
			1,901,171	18,000	196,579	2,115,750	2,096,560	19,190
801	Historical and Archaeological Places	General	903,332	—	39,432	942,764	942,658	106
804	Forest Recreation	General	797,152	—	59,239	856,391	842,674	13,717
		Federal	270,234	—	—	270,234	270,234	—
			1,067,386	—	59,239	1,126,625	1,112,908	13,717
805	Aquatic Recreation	General	154,870	(30,000)	22,656	147,526	146,617	909
		Federal	262,820	—	—	262,820	262,820	—
			417,690	(30,000)	22,656	410,346	409,437	909
806	Parks Recreation	General	2,893,309	—	191,326	3,084,635	2,929,715	154,920

continued



# Status of Appropriation Account Balances—Operating Funds

Fiscal Year 1986-87

Program I.D. LNR	Program Title	Fund	Appropriation Beginning Balance	Transfers <sup>1</sup>	Collective Bargaining	Net Appropriation	Expenditures, Claims and Contract Encumbrances	Lapses <sup>2</sup>
809	General Administration for Culture and Recreation	General Federal	471,936 571,568	— —	60,974 1,612	532,910 573,180	532,682 573,180	228 —
			<u>1,043,504</u>	<u>—</u>	<u>62,586</u>	<u>1,106,090</u>	<u>1,105,862</u>	<u>228</u>
810	Prevention of Natural Disaster	General	118,247	(11,000)	9,684	116,931	115,776	1,155
906	LNR—Natural Physical Environment	General Federal	1,024,432 27,381	163,995 —	109,802 876	1,298,229 28,257	1,298,062 12,800	167 15,457
			<u>1,051,813</u>	<u>163,995</u>	<u>110,678</u>	<u>1,326,486</u>	<u>1,310,862</u>	<u>15,624</u>
	Total General Fund		16,579,073	96,995	1,222,517	17,898,585	17,554,737	343,848
	Total—Federal and Special Funds		<u>2,154,245</u>	<u>—</u>	<u>2,613</u>	<u>2,156,858</u>	<u>2,122,326</u>	<u>34,532</u>
	Grand Total		<u>\$18,733,318</u>	<u>\$96,995</u>	<u>\$1,225,130</u>	<u>\$20,055,443</u>	<u>\$19,677,063</u>	<u>\$378,380</u>

<sup>1</sup>Includes intra-departmental transfers, \$38,659 transferred from the Department of Budget and Finance for distributed information processing and information resource management lump sum priority funds (LNR 906) and \$58,336 lump sum vacation payments authorized by Act 345, SLH 1986 (LNR 906).

<sup>2</sup>Includes \$74,174 lapsed for workers' compensation benefits paid in lieu of general fund salary costs as mandated by Act 300, SLH 1985, Section 211.

The Personnel Office maintains a comprehensive personnel program for the department. The staff provides supportive services to the Chairperson and to the seven operating divisions and five staff offices.

Major services include guidance and technical assistance in position classification, employee relations, and employee training and development. The Office also assists the divisions and staff offices in carrying out the collective bargaining contracts and the grievance process. The Office maintains a centralized system for processing, recording, reporting, and filing the personnel transactions and records of all employees. The Personnel Office prepares and makes recommendations for the adoption of personnel policies and procedures within the department. Finally, the Office works with the divisions and staff offices in developing and updating the organization plans.

Summary of Personnel Transactions

Fiscal Year 1986-1987

Accessions .....	432
New Hires—Permanent	31
—Inter-Agency Transfer	2
—Inter-Agency Appointment (Probational)	2
—Inter-Agency Promotion	2
—Inter-Agency Demotion (Voluntary)	1
New Hires—Limited Term Appointment	10
—Temporary Appointment Outside of List	1
—Emergency	294
—Provisional	0
—Exempt	89
Separations .....	449
Resignation & Transfer (Permanent Employees)	29
Resignation & Termination (Temporary Employees)	389
Dismissal/Termination	4
Retirement	26
Termination (Death)	1
Other Personnel Actions .....	1693
Promotion	35
Voluntary Demotion	5
Demotion (Disciplinary)	0
Demotion (Physical Disability)	0
Conversion to Probational Appointment	6

Summary of Personnel Transactions continued

Conversion to Permanent Appointment	71
Conversion to Temporary Appointment Outside of List	8
Conversion to Limited Term Appointment	9
Conversion to Provisional Appointment	1
Reallocation	18
Repricing	0
Change in Title	0
Limited Term Promotion	0
Return to Former or Similar Position	9
Intra-Agency Transfer	15
Intra-Agency Appointment	14
Temporary Assignment	534
Extension—Limited Term Appointment	27
Extension—Exempt Appointment	13
Extension—Probational Appointment	0
Extension—Temporary Appointment Outside of List	11
Extension—Temporary Reallocation	2
Extension—Emergency Appointment	263
Leave-Without-Pay (Child Care)	3
Leave-Without-Pay (Industrial Injury)	20
Leave-Without Pay (Others)	46
Authorized Leave-Without-Compensation	2
Extension—Leave-Without-Pay	5
Return to Duty	64
Unauthorized Absence	3
Suspension	1
Change in Social Security Number	0
Name Change	6
Change in Record—Bargaining Unit	0
Change in Full-Time Equivalent Percentage	0
Change to New Salary Schedule	2
Pay Adjustment	0
Employment & Pay Rate Continued	0
Pay Adjustment While on Leave Without Pay	1
Hazard Pay Differential	149
Expiration—Hazard Pay Differential	149
Correction	184
Cancellation	17

NOTE: Additional categories of personnel action reported this year.

**Filled Positions<sup>1</sup>**

June 30, 1987

Division	Hawaii	Oahu	Kauai	Maui	Molokai/ Lanai	TOTAL
Administration & Staff	0	40	0	0	0	40
Conveyances	0	42	0	0	0	42
Aquatic Resources	1	38	4	4	4	42
Conservation & Resources Enforcement	14	24	10	9	5	62
Forestry & Wildlife	41	32	18	22	4	117
Land Management	2	22	2	3	0	29
State Parks	31	91	19	11	1	153
Water & Land Development	5	41	1	0	4	51
TOTAL	94	330	51	46	15	536

<sup>1</sup>All full-time employees except student hires. Includes project funded and exempt employees.



**Natural Area  
Reserves  
System**

Hawaii’s Natural Area Reserves System presently consists of 108,288 acres distributed among 18 reserves. Eight of the reserves are on Hawaii, and Maui, Molokai, Oahu, and Kauai each have either two or three. The reserve system, as provided for by Chapter 195, Hawaii Revised Statutes, is to preserve in perpetuity unique and representative samples of Hawaii’s native biological and geological environment.

The 18 reserves encompass diverse native ecosystems that range from marine and coastal environments to high elevation wet forests and bogs. Some are rare and are no more than remnants of once common ecosystems; others are representative samples of still extensive wet forests. Greater ecological diversity increases the scientific, educational and cultural value of the reserves system. Preserving the greatest possible array of natural area features within our state also benefits the survival of the irreplaceable habitats of rare and endangered species. No less significant is that natural area diversity is accompanied by diversity in geological and hydrological natural resources. Increasing the size of the Natural Area Reserves System, with particular emphasis on greater ecological diversification, will be a continuing effort.

Everything within a Natural Area Reserve—floral, faunal, geological or artifact—is protected. The one exception is the hunting of game (non-native) mammals and birds, which is permitted when performed in accordance with hunting rules of the Department. Use of the reserves is restricted to non-destructive passive activities, such as walking, photography and nature study. Other types of uses, some of which may be manipulative or consumptive to some degree, require a special-use permit. The permit must be approved by an 11-member Natural Area Reserves System Commission. It is somewhat limited to educational, scientific and management projects. Chapter 209 of Title 13, Department Administrative Rules, regulates the use of the reserves.

**Resource  
Inventory**

The resource inventory is of primary importance—it is the information base everything else in natural area resource management depends on. An inventory for the specific purpose of meeting management objectives has been conducted (during FY 1985-86) in only two reserves: the summit plateau portion (30 acres) of the 1,100-acre Mt. Kaala reserve and all of the 658-acre Pahole reserve, both on Oahu. The Mt. Kaala survey report, “Plant Survey of the Summit

Plateau, Mt. Kaala Natural Area Reserve,” was completed for distribution during the present fiscal year. It includes the following survey data: (1) the distribution and abundance of the nonnative plant species and an assessment of the threat they pose, (2) the vegetation (ecosystem) types, and (3) the kinds of native plant species present together with their relative abundance. Information gathered by the Mt. Kaala plant survey work led to the preparation of a management plan titled “Operational Management Plan: Nonnative Plant Control and Removal for the Summit Plateau, Mt. Kaala Natural Area Reserve.”

The baseline data resulting from the inventory are essential for developing and implementing maintenance and restoration work, which is largely a matter of controlling and removing nonnative plants and animals. Other ecosystem components in the two reserves, such as birds, insects, and feral animals, were not included in the survey because of the limited one-year funding.

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**Monitoring**

Some of the monitoring activities included inspecting the summit area of the Mt. Kaala reserve for any recurrence of the previously eradicated nonnative species of clidemia, koa haole, manuka, and waiawi. The installation of the underground conduits for a University of Hawaii power and communication system traversing two sections of the Manua Kea Ice Age reserve was monitored to assure compliance with conditions of the easement approved by the NARS Commission and the Board of Land and Natural Resources. Signs were replaced or repainted and others installed at new locations in the Ahihi-Kinau reserve.

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**Special-Use  
Permits**

Six special-use permits were issued by the NARS Commission and the Board of Land and Natural Resources. Most of the permits were for scientific studies on insects, birds, and historic sites. The reserves involved were Mt. Kaala, Mauna Kea Ice Age, and Hanawi.

Statutory Amendments and Funding	<p>The 1987 Legislature made changes to Chapter 195, Hawaii Revised Statutes, that include a more specific definition of the powers of the NARS Commission and the requirement that the Department develop and implement a comprehensive reserves system management plan. It also appropriated \$250,000 for each year of the fiscal biennium for reserve management work as proposed in the Governor's Supplemental 1987-89 Biennium Budget. Another \$125,000, with a private matching fund requirement, was appropriated for each fiscal year of the 1987-89 biennium to establish a Natural Area Reserve fund for developing a comprehensive natural resource inventory data base.</p>
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Natural Area Reserve	Acres	Primary Feature
<b>HAWAII</b>		
Kahaualea	16,726	'Ohi'a wet forest and active volcanic rift zone.
Kipahoe	5,583	Mesic forest, 'ohi'a and koa wet forests.
Laupahoe	7,894	'Ohi'a wet forest.
Manuka	25,550	Dry and mesic forests, 'ohi'a wet forest.
Mauna Kea Ice Age	3,894	Geological: Ice Age and Lake Waiau.
Puu Makaala	12,106	'Ohi'a and koa wet forests.
Puu O Umi	10,142	'Ohi'a wet forest, montane bog, headwaters of six perennial streams.
Waiakea 1942 Lava Flow	640	Developing wet forest.
<b>MAUI</b>		
Ahihi-Kinau	1,238 (land) 807 (water)	Anchialine pools, last lava flow on Maui, marine ecosystem.
Hanawi	7,500	'Ohi'a wet forest, cloud forest, alpine grassland.
West Maui		Pili grassland, mesic forest, 'ohi'a wet forests, cloud forests, montane bogs, headwaters and upper reaches of four perennial streams.
Kahakuloa Section	3,275	
Honokowai Section	750	
Panaewa Section	1,717	
Lihau Section	960	

*continued*



Natural Area Reserve <i>continued</i>	Acres	Primary Feature
<b>MOLOKAI</b>		
Olokui	1,620	Mesic forest, wet shrub, and 'ohi'a wet forest.
Puu Alii	1,330	Wet shrub and 'ohi'a wet forest.
<b>OAHU</b>		
Kaena Point	12.464	Coastal dune ecosystem.
Mt. Kaala	1,100	Mesic and wet shrub forests.
Pahole	658	Dry and mesic forests.
<b>KAUAI</b>		
Hono O Na Pali	3,150	Mesic forest, 'ohi'a wet forest.
Kuia	1,636	Dry and mesic forests.

**Aquaculture  
Development  
Program**

The Aquaculture Development Program (ADP) began in 1977 as a major planning effort to produce a comprehensive assessment of the State's aquaculture potential. *Aquaculture Development for Hawaii*, the first state aquaculture plan in the nation, was published in 1978. With the completion of this "blueprint" for development, the planning program became a full-fledged development program charged with the implementation of the plan. Since 1979, ADP has provided assistance to numerous individuals with an interest in Hawaii's aquaculture industry, including farmers, students, scientists, investors, and visitors from foreign countries. Next year, on the 10th anniversary of the plan, Hawaii will host the 19th Annual Meeting of the World Aquaculture Society, the industry's premiere professional association.

**Growth  
of the  
Industry**

Aquaculture is one of the world's fastest growing industries. Total production in 1975 was approximately 6 million pounds. By 1983, this figure had expanded to 10 million pounds. The United Nations' Food and Agriculture Organization predicts that production in the year 2000 will more than double to 22 million pounds.

Commercial aquaculture in Hawaii has kept pace with this remarkable growth, and Hawaii-based consultants have played an important role in increasing production overseas.

In FY 1986-1987, aquaculture continued to be a strong growth industry for Hawaii in both the Commercial Production sector and the Research, Training and Technology Transfer sector. Total industry value for both sectors was \$13.3 million. Total full-time and part-time employment was approximately 423 persons. Projections by the industry for 1987 indicate the total value may increase to over \$18 million.

**The  
Production  
Sector**

1986 could be heralded as Hawaii's "best year" in aquaculture product value and yields. The wholesale value for commercial crops reached a record \$3.6 million from 44 farms, up from an estimated \$2.8 million the previous year. For the first time, over one million pounds of product was produced, well over 1985 production of half a million pounds. In addition, production of marine shrimp larvae sold on a piece basis by several private hatcheries contributed to the total value. Total acreage underwater was approximately 444 acres.

Industry Status, 1984-1986

Year	Farms	Acres	Production (1000's of lbs.)	Value (1000's of dollars)
1984	47	474	441.2	\$2,299.7
1985	48	465	582.9	\$2,730.5
1986	44	444	1,014.7	\$3,549.4

The major contributors to the increase in value and production were marine shrimp, microalgae, gracilaria and tilapia. For the first time, freshwater prawns were surpassed in value, due primarily to several marine shrimp farms' sustaining major production levels. These species should boost production over 2 million pounds in 1987, with a value that may exceed \$6 million.

Aquaculture in Hawaii has reached a "break away point" from the mainstay freshwater prawn to other fresh, brackish and saltwater species. Many operations are diversifying from monoculture into polyculture. In Fiscal Year 1986-87, more than 20 different species were cultured. Species, such as Chinese catfish, red tilapia, carp and even baitfish are providing Hawaii's aquaculture farmers with more yield and dollar-return per acre. Also, the innovative use of Hawaii's varied resources has initiated the development of a wide range of aquaculture species. The availability of cold, nutrient-rich ocean water off Keahole Point has

**Research,  
Training and  
Technology  
Transfer  
Sector**

expanded Hawaii's capabilities to include the culture of coldwater species never before attempted in a tropical climate.

Aquaculture research, training, education and consulting activities occurring in Hawaii totaled \$9.7 million in project value in 1986, up from the previous year. Major contributors to the total included Federal research grants (about 50%), State-sponsored research (approximately 10%), private research and receipts of consulting companies (about 40%). Staff and facilities in the University of Hawaii System, State and County Departments, and the private sector (for example, the Oceanic Institute) are actively involved in attracting research grants. In addition, at least fifteen consulting firms specializing in aquaculture planning and development services make up a major part of this sector.

There were a number of changes noted in this sector over the previous year. Perhaps most notable was a decline in privately-funded research



and a great increase in Federal research grants. The decline in privately-funded research can be attributed to rising national interest in aquaculture development and the increased competitiveness of the Hawaii research community for grants. Principal areas of public-sector research interest include: marine finfish (mahimahi, milkfish and mullet), marine shrimp, and seaweeds and single-cell algae for various beneficial chemicals and drugs.

Hawaii aquaculture consultants are among the best-known and most active in the world. During Fiscal Year 1986-87, Island-based consultants operated in: the Philippines, Israel, Ecuador, Brazil, Australia, China, Indonesia, Taiwan, Japan, Pakistan, Burma, Sri Lanka, Trinidad and Tobago, Jamaica, El Salvador, Thailand, Bangladesh, and the Federated States

of Micronesia. Spinoffs to local production, research and training activities and employment of local people are direct beneficiaries of these activities.

Projections for the RT&TT sector for 1987 total over \$12 million in project value. Growth is expected to come from increases in research, training and consulting activities. The emphasis being placed on aquaculture by the United States, many Third-World governments and most bilateral and multi-lateral assistance agencies suggests this is a long-term trend.

Aquaculture Development Program activities focused on three areas: 1) planning and coordination; 2) support services, including information collection and dissemination, species and site counseling, employment counseling, business planning assistance, seafood marketing and

**Program  
Activities**

**Funds Derived from Research, Training and Technology Transfer Activities, 1986**

Sources	Research	Training	Tech Transfer	Total
Private	\$1,858,647	\$ 82,370	\$ 393,600	\$2,334,617
Federal	4,046,129	91,960	56,500	4,194,589
State	1,161,997	1,000	—	1,162,997
County	174,108	—	17,400	191,508
Out-of-State	29,991	—	—	29,991
International	64,500	107,000	1,602,011	1,773,511
Totals	\$7,335,372	\$282,330	\$2,069,511	\$9,687,213

economics, permit assistance, and disease diagnosis and prevention; and 3) research, development and demonstration to increase the profitability of existing aquafarms and develop new species and systems.

In 1988, ADP will publish an update of the 1978 plan which is expected to guide State efforts into the next decade. During FY 1986-1987, staff completed comprehensive research and assessment portions of the plan.

ADP also provided input into other planning efforts. These included the University of Hawaii Sea Grant College Program's long-range plan; the U.S. Department of the Interior's planning for aquaculture in American Pacific Islands; and the State of Hawaii Functional Plans.

Importantly, ADP assisted in establishing the U.S. Department of Agriculture's (USDA) Regional Center for Tropical and Subtropical Aquaculture. The ADP Manager was appointed to the Board of Directors. This program will provide a new source of research and extension funding for the region.

ADP also reviewed numerous proposals during the year. These included proposals for USDA Small Business Innovative Research (SBIR) grants; the National Coastal Research Institute; the Pacific International Center for High Technology Research; the

Kauai Economic Development Board; and the High Technology Development Corporation.

ADP continued to offer expert input to commercial and experimental aquaculture projects located at the Natural Energy Laboratory of Hawaii (NELH) at Keahole Point on the Big Island. During the year, Cyanotech Corporation expanded acreage, Hawaiian Abalone Farms received a \$3 million loan guarantee from the Farmers Home Loan Administration, and Aquaculture Concepts, a seaweed operation, obtained a \$200,000 grant from the USDA's SBIR program. Moreover, Aquaculture Enterprises, a California firm, broke ground for an American lobster culture demonstration facility.

The first meeting of the Hawaii Aquaculture Advisory Council (HAAC) took place on September 23, 1986. ADP provides staff support for this State/County/private body which advises the Board of Land and Natural Resources on statewide aquaculture development. ADP also published the HAAC *Annual Report* in April.

ADP offered a wide range of services to both prospective and existing farms. The year was notable for the number of farmers seeking start-up and expansion funding and the number of investors seeking informa-

**Planning,  
Coordination and  
Communication**

**Support  
Services**



tion on investment opportunities. Staff provided direct assistance in bringing these two groups together to form viable projects.

During the year, ADP invited the World Aquaculture Society to hold its annual meeting in Honolulu in January, 1988. The program assisted in preparations. In addition, the program co-planned and co-sponsored (with the University of Hawaii Sea Grant College Program) a series of topical workshops for local farmers at UH Mariculture Research and Training Center.

ADP participated in various displays and exhibitions that featured aquaculture and its products. These took place at the State Farm Fair, the Ala Moana Shopping Center ("Made with Aloha") and the Maui Tropical Plantation. Staff arranged for a cooking demonstration of aquacultured products at the Farm Fair as part of the Department of Agriculture's Island Fresh campaign, and led planning efforts for a new Visitor's Center at the Natural Energy Laboratory to promote aquaculture and other NELH activities.

Reflecting the tremendous increase in the general public's interest in aquaculture, Walt Disney World in Florida invited ADP to produce a slide show on aquaculture in Hawaii to be shown on a regular basis at a

marine science exhibition at the Epcot Center. Since attendance at the Center averages more than 7 million persons annually, Hawaii's aquaculture industry will greatly benefit from this important exposure.

Hawaii's reputation as a center for expertise in tropical aquaculture brought a record number of foreign visitors to the ADP office. Staff presented overviews to scientists and business persons from Japan, Taiwan, Indonesia, Thailand, Singapore, Panama, Mexico, Jamaica, Costa Rica, Honduras, Guatemala, and the Dominican Republic. ADP hosted two delegations sponsored by the American Soybean Association—from Japan and Latin America. Follow-up business is expected from these efforts.

There were two notable reports published during the year, both of which focused on Hawaii's fledgling seaweed industry. *Algal Natural Products* by Gertrudes A. Santos and Maxwell S. Doty listed 468 algal products that can be derived from Hawaii seaweeds. *Establishing a Seaweed Industry in Hawaii: an Initial Assessment* by Doty and James Moss discussed the potential of seaweed aquaculture in the Islands and offered specific recommendations for development using geothermal energy for processing.

ADP's aquaculture veterinarian made 50 trips into the field to advise farmers on methods of disease prevention and control and received 309 submissions for laboratory analysis to detect possible diseases. In November, he presented a workshop entitled "The Common Diseases of Warm-water Aquaculture Species in Hawaii." Twenty-three farmers attended.

The program provided funding to increase yields and reduce costs for existing commercially farmed species, while experimenting with economically important new species and systems. Targeted priority species were freshwater prawns, marine shrimp, mahimahi, carps, trout and seaweeds.

Prawn research determined feeding/nutritional requirements for various growth stages of pond production and demonstrated a method to improve water quality through stocking of carp. Demonstrations of production intensification technologies developed from earlier research were also initiated.

Marine shrimp research focused on hatchery and high density pond growout performance-testing of local and imported shrimp species. Other shrimp research developed an extension publication entitled *Handbook of Normal Penaeid Shrimp Histology*,

which will be available to farmers in 1988. Finfish research identified bottlenecks in larval and juvenile mahimahi production which will be further addressed in the current biennium and will lead to a tagging and release trial.

Short-term research projects included: 1) development of a lower-cost feed for Big Island trout farmers; 2) experimentation to determine growth requirements, chemical constituents and shelf-life for gracilaria; and 3) demonstration of small-scale production of baitfish as a alternative crop for freshwater farmers.

Of particular importance was the work of ADP's Aquaculture Production Extension Program. The agents, a production management specialist and an aquaculture engineer, worked closely with farmers to 1) demonstrate alternate production strategies for freshwater prawns; 2) test production of non-prawn freshwater species; 3) identify and solve production problems; and 4) prepare and publish a series of extension information materials.

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**Research,  
Development and  
Demonstration**



This year saw the Office continue its transition from the Department Planning Office. Following the approval of the reorganization, new job descriptions with the change in functional responsibilities were awaiting action from the Department of Personnel Services. Once acted upon, we may then expect to complete the transition by recruiting for the vacant positions on a permanent basis.

OCEA continued its function with the processing of 104 Conservation District Use Applications (CDUA's). Among the major new land uses the Board acted upon were a special subzone at Honaunau, Hawaii to allow educational facilities to be built on private lands, support of water development on Oahu and the Big Island, support of the State's marijuana eradication effort on Hawaii, Maui, and Molokai, and, shoreline protection at Niumalu, Kauai.

While not every application requires a public hearing, the number of required hearings remained relatively steady with a slight increase to 48 from the previous year's 44.

Modifications and amendments to previously approved applications were constant at about 20.

A noticeable difference in processing CDUA's from years past is the number of applicants who are repre-

sented by legal counsel, and other interested parties, during the process as well as appearances before the Board both for the public hearing aspect as well as the Board's decision making meetings. As a result, although the numbers haven't risen dramatically over the years, the degree of complexity in processing applications has given the task of administering Conservation District land use a fishbowl environment. That is quite clear with both environmentalists and developers generally less than satisfied with our recommendations. As a result, we expect training to emerge as a priority with the completion of the transition so that our technical skills may remain competitive with the private sector.

Also, in carrying out our task where every application must be acted on by the Board within 180 days lest it be automatically approved, we have attempted throughout the process to be responsive to everyone. There have been, at times, situations where responsiveness has been defined as the same thing as saying yes, which when not heard may result in a degree of dissatisfaction and complaint.

The Office continued its streamlining of the film permit process such that today after a film permit is sent to us by the Department of Business

and Economic Development, an action is taken within 24 hours on Oahu, or 48 hours on the Neighbor Islands, unless the film proposal is of major complexity. We take note that requests for commercial filming seem to be increasing slowly on the Neighbor Islands reflecting a greater diversity in site selection by the industry. Overall, the number of permits acted on rose substantially to 381 from 275 the year earlier, although the total number of filming days as reflected by State land rental fees appears somewhat less.

Notwithstanding the increase in workload and degree of complexity of our assignments, we are taking measures to provide the public with the best value for their tax dollars. During this fiscal year we began implementing a change over from the Wang Office Information System (OIS) essentially a single office word processing capability to the Wang Virtual Storage (VS) system that will allow us a greater measure of efficiency through such inter-office aspects as electronic mail. We also began to make strides in improving the quality of our analysis through the purchase of our first Wang Professional Computer (PC) with its

attendant software such as Lotus 1-2-3 that hopefully will result in qualitative improvements indicating the necessity of a PC on each analysts desk.

While in this transitory period the Office received about 42 alleged land use violation complaints. However, due to the temporary nature of some of our personnel, it was unable to focus on the resolution of all but the most serious land use complaints. Thirty-one remained unresolved. One approach that met with some success was the incorporation of the alleged land use violation in an after-the-fact CDUA where appropriate. The Board levied fines totaling 6,200 dollars, up from 5,800 dollars the previous year. However, we're hesitant to use the concept of fines as a measure of anything due to the wide diversity and complexity of each individual case. We do hope however, that the process of incorporating fines for unauthorized land use is somehow educational to the public at large. With this flexibility, the Office was able to continue, with some educational effort, in carrying out the purpose and intent of the Conservation District.

Of significance during this period was the increase in environmental reviews as a result of the reorganization. While the previous fiscal year indicated a total of 17 environmental and Land Use Commission reviews. The reorganization brought with it a consolidation of these categories resulting in 510 environmental reviews. Other types of review now incorporated into the environmental review category include Environ-

mental Preparation Notices, Environmental Assessments, Draft and Final Environmental Impact Statements, Army Corps reviews, Hawaii, Maui and City and County of Honolulu Shoreline Management, Variance, Plan and Subdivision reviews, Quiet Title reviews as well as general correspondence. Currently all reviews are completed within 60 days of receipt; a figure we expect to half with the completion of our transitory period.

#### Fiscal Year Evaluation

Fiscal Year	CDUA	Total	PH <sup>1</sup>	CC (Other)	Hrg	T/V	Amend. Modif.	CD Vio Act	CD Vio Fines	Env Rev	LUC Rev	Corr.* Pg. 6	Film Permits	Film Permit Income	Court Reporter	Total* O.T.
1965 ('64-'65)	1-15	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1966 ('65-'66)	16-36	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1967 ('66-'67)	37-53	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1968 ('67-'68)	54-66	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1969 ('68-'69)	67-90	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970 ('69-'70)	91-132	42	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1971 ('70-'71)	133-212	80	—	—	—	—	—	6	—	—	—	—	—	—	—	—
1972 ('71-'72)	213-337	125	9	—	—	—	—	2	—	—	—	—	—	—	—	—
1973 ('72-'73)	338-458	121	8	—	—	—	—	2	—	—	—	—	—	—	—	—
1974 ('73-'74)	459-575	117	2	—	—	—	—	16	—	—	—	—	—	—	—	—
1975 ('74-'75)	576-686	111	9	—	—	—	—	13	—	—	—	—	—	—	—	—
1976 ('75-'76)	687-820	134	3	—	—	—	—	34/0	—	—	—	1050	—	—	—	—
1977 ('76-'77)	821-970	150	21	—	—	—	—	56/6 <sup>5</sup>	—	—	—	1497 <sup>7</sup>	—	—	—	323.00
1978 ('77-'78)	971-1069	99 <sup>3</sup>	30	5	—	—	—	46/34	—	—	—	1239	—	—	—	404.00
1979 ('78-'79)	1070-1147	78	15 <sup>4</sup>	4	—	4	7	16/3	—	—	—	1252	—	—	—	132.00
1980 ('79-'80)	1148-1274	127	13	6	—	1	10	42/22	—	—	—	1264	—	—	741	21.50
1981 ('80-'81)	1275-1387	113	8	5	—	4	2	76/26	—	—	—	1435	—	—	1,524	72.50
1982 ('81-'82)	1388-1497	109	29	0	—	7	5	68/57	—	—	—	1547	30	—	5,982	— <sup>9</sup>
1983 ('82-'83)	1498-1601	103	36	4	1	5	7	42/37	40,882	13	—	1768	205	—	21,241	—

*continued*



## Fiscal Year Evaluation

Fiscal Year	CDUA	Total	PH <sup>1</sup> (Other)	PH <sup>2</sup>	CC Hrg	T/V	Amend. Modif.	CD Vio Act	CD Vio Fines	Env Rev	LUC Rev	Corr.* Pg. 6	Film Permits	Film Permit Income	Court Reporter	Total <sup>10</sup> O.I.
1984 ('83-'84)	1602-1705	103	41	0	1	3	24	58/30	47,159	1	20	1869	302	51,395	4,786	—
1985 ('84-'85)	1706-1780	94	39	0	0	15	22	48/29	11,142	14	15	2077	383	125,305	9,091	—
1986 ('85-'86)	1781-1883	102	42	2	1	0	21	45/36	5,800	15	2	2024	275	86,750	25,941	—
1987 ('86-'87)	1884-1988	104	47	1	1	2	18	42/31	6,200	510 <sup>10</sup>	—	2038	381	66,255 <sup>11</sup>	14,936	—

<sup>1</sup> DLNR master record does not indicate a record of any public hearings prior to FY 1972.

<sup>2</sup> Public Hearing meeting may be required by the Board on an issue although a specific CDUA is not being processed. Available records from 77-78 on other years require individual correspondence search.

78-79

Mauna Kea Plan Amendment

Diamond Head Crater

Kapakahi Ridge

77-78

Regulation No. 4

Kauai/Oahu/Molokai

Maui/Kona/Hilo

<sup>3</sup> Revised Regulation No. 4 in effect. (Title 13, Chapter 2).

<sup>4</sup> EIS rules in effect.

<sup>5</sup> 54/indicates unresolved cases at the close of the year. Subsequent years do not aggregate the unresolved cases.

<sup>6</sup> Does not include Public Hearing Summary, Board Submittals, Governor's Referrals or draft correspondence.

<sup>7</sup> Conservation District correspondence daily workload. (Example)

a. 21 days per month

x12 months

252 days per annum

- 21 days vacation

- 21 days sick taken in 1977-78, 1978-79

210

b. FY 1976-77 = 1497 pgs. with 210 days

1977-78 = 1239 pgs. with 210 days

1978-79 = 1252 pgs. with 210 days

3988 pgs. with 630 days

1) 3988/630 = 6.3 pgs. per day

2) 3988/3 = 1329 ave. 3 yrs./210 days—6.3 pgs. per day

c. Daily workload = 6.3 pgs. per day not including submittals/transcripts.

<sup>8</sup> Approximate.

<sup>9</sup> Overtime among professional staff is currently accumulated throughout the year due to BLNR requirements requiring presence of professional staff. Staff understanding is that all accumulated overtime will be used by the end of each calendar year.

<sup>10</sup> With the reorganization of the Planning Office to the Office of Conservation and Environmental Affairs (OCEA) the ENV and LUC reviews previously done by the Planning Office have been consolidated and based upon six months daily raw data (255) is projected to reflect additional functional responsibilities of OCEA.

<sup>11</sup> Film permit income from land rent only. DOCARE fees amounted to 81,150 dollars.

**Commercial  
Fisheries and  
Aquaculture  
Program**

The Division assists commercial fishery and aquaculture enterprises to increase their productivity through improvements in production methods, product processing, equipment usage, and resource management. Fish catch reports submitted by commercial fishers are compiled and the information analyzed to monitor the status of Hawaii's commercially important fish and shellfish resources.

**Statewide Fish  
Aggregating  
Device (FAD)  
System**

The Statewide Fish Aggregating Device (FAD) System continued to provide excellent fishing opportunities for Hawaii's fishers. Catches made around the FADs by local fishers estimated 1,930,212 pounds of fish. Fishers reported making 13,058 trips to the FADs catching ahi (1,269,188 pounds), aku (262,756 pounds), marlin (140,061 pounds), mahimahi (209,988 pounds), and ono (34,638 pounds).

Fishing methods most widely used around the FADs were live-bait pole-and-line, handline, trolling, and rod-and-reel. Sport/recreational fishers, who primarily used rod-and-reel and trolling methods, accounted for 51% (977,149 pounds) of all fish caught around the FADs.

During the year, the Division replaced 14 FADs that were lost, recovered five that were broken from

**Anuenue  
Fisheries  
Research  
Center (AFRC)—  
Aquaculture**

their mooring, and performed maintenance work on 21 FADs that were still on site. Also, the 10 submerged experimental midwater buoys in the fish trolling alley off Waianae, Oahu were monitored for effectiveness in attracting fish. The buoys attracted quantities of opelu, yellow-striped ulua, file fish, kahala, and remoras.

The AFRC continued to provide direct support to the local freshwater prawn (*Macrobrachium rosenbergii*) industry. Again this year, with no private prawn hatchery in operation, the Hawaiian prawn growers faced a shortage of post-larvae seed stock. The AFRC, with the approval of the Board of Land and Natural Resources, operated its prawn hatchery and produced approximately 4.1 million post-larvae for distributional sale to local prawn growers at a price of about \$13 per thousand. Statewide, there were eighteen full-time and part-time growers raising prawns in approximately 140 acres of ponds. About 163,000 pounds of marketable prawns valued at about \$812,300 were produced by the prawn growers this year.

The AFRC also provided field extension/advisory assistance relating to the prawn start-up, hatchery and grow-out phases as requested by the

prawn growers.

As part of a seaweed investigation and natural stock enhancement project, *Gracilaria parvispora* (ogo) and *G. coronopifolia* (limu manaua) seedlings on coral rock chips were produced at AFRC for test plantings at select nearshore sites on Oahu. Tank culturing of ogo in a seaweed-tilapia-penaeid shrimp mixed culture open system proved to be very effective in boosting seaweed seed rock production.

Larvae culture studies at AFRC continued on the common blue-pincher crab, penaeid shrimp, and mahimahi. Most of the studies focused on gaining an understanding of egg development, hatching, larval forms, behavior, and feeding habits.

The statistics unit initiated long-awaited modernization of its procedures and hardware by implementing the first phase of an upgrading of the computer system. The first phase, supported largely by federal funds, enables the unit and the Division's aquatic biologists to gain immediate access to commercial fisheries data and to analyze these data easier and faster. Better monitoring of the fisheries stock will be facilitated by the new capabilities of the system. Con-

tinuing upgrades of the system will benefit local federal fisheries agencies that also use the commercial fisheries statistics.

The Division concluded a three-year project on studying the effectiveness of cultured Mexican topminnows, *Poecilia mexicana*, as live baitfish. The major objective of the project was to get fishers Statewide to fish with topminnows. A total of 125 baitfish sea trials was conducted using 2,276 pounds of live topminnows. Most of the fish caught were tunas (25,145 pounds). Ahi or yellowfin tuna made up 75% of the catch and averaged 3.7 pounds; aku or skipjack tuna accounted for 21% of the total catch and averaged 5.8 pounds. Overall, one pound of topminnow live bait yielded approximately 11 pounds of fish.

The Division continued to support University of Hawaii researchers in the development of a field test for detecting ciguatoxin in fish. Ciguatoxin is a lipid-soluble marine toxin that accumulates in certain reef fish and is toxic to humans when the fish is consumed. During the year, research focused on refining a rapid, simple test to detect ciguatoxin. Fishers were asked to participate by evaluating the test procedures. When the development of a test kit is concluded, the kit could be produced commercially.

Commercial  
Fisheries  
Statistics

Topminnow  
Baitfish  
Test Fishing

Ciguatera  
Fish Poison  
Test Kit  
Development



Hawaii  
Tuna Handline  
Fishery  
Exploration  
and Development

The goal of this project is to find and develop new fishing grounds for the tuna handline (ika-shibi) fishery. Experienced commercial ika-shibi fishers were hired to conduct exploratory fishing at selected non-traditional offshore fishing areas. Fisheries data were collected from ika-shibi fishers via surveys conducted by aquatic biologists. Two fishers fished for four nights off the southern Kona coast of the island of Hawaii and reported moderate success in catching yellowfin tuna. Valuable oceanographic information of the physical conditions of the fishing grounds were also obtained.

In addition to the exploratory fishing efforts, short-term tagging and tracking studies of yellowfin tuna were conducted to increase understanding of the behavior and short-term movements of tuna schools. Another study monitored the condition of large ahi in the markets during the sale and subsequent shipment between Hawaii and Oahu.

A project was initiated in 1986 to develop the market for taape (*Lutjanus kasmira*, or blue-lined snapper), a commercially under-utilized local species. The goal of the project was to determine if an informational/educational program could stimulate consumer demand for taape; whether

a developed taape fishery could reduce fishing pressure on other bottomfish stocks by providing a marketable alternative species, and if, by increasing consumer demand for taape, fishers would be encouraged to catch and market this fish.

The taape marketing campaign ran for eight weeks involving promotional effort at three supermarkets, including posters, recipes, cooking demonstrations and point of purchase information collection.

Aquatic  
Resources  
and Habitat  
Protection  
Program

The objective of this program is to preserve and enhance native and other resident fish and aquatic species and their habitats through active protection and other management measures. Program activities include monitoring aquatic life, establishing and amending fishing regulations, establishing and monitoring sanctuaries, making recommendations regarding environmental impacts on aquatic resources, and communicating with the public to educate and inform them about the State's aquatic resource programs and activities.

Marine  
Life  
Conservation  
Districts  
(MLCDs)

Eight MLCDs have been established Statewide to protect marine life communities and habitat of special value. Annual monitoring of the MLCDs at Hanauma Bay (Oahu), Manele-Hulopoe (Lanai), Honolulu-

	<p>Mokuleia and Molokini (Maui), and at Kealakekua, Lapakahi, and Wailea (Hawaii) indicate the fish populations are as abundant as last year. Surveys were also conducted at Kipu Kai (Kauai), McGregor Point and Olowalu (Maui), and at Makaiwa Bay (Hawaii), for consideration as new MLCDs.</p>	<p><b>Threatened and Endangered Species</b></p>	<p>The Division continued to participate in research by federal agencies on marine turtles and the Hawaiian monk seal. On Molokai, staff tagged, measured and released 37 green sea turtles during the year. Information on growth and movement was obtained from 9 turtles tagged previously. The Division also serves on the federal Hawaiian Sea Turtle Recovery Planning Team that has been preparing recovery plans for the green sea turtles (threatened), hawksbill and leatherback turtles (endangered) which frequent Hawaii's waters. The Division also participated on the Hawaiian Monk Seal Recovery Planning Team which population is mainly found in the Northwestern Hawaiian Islands.</p>
<p><b>Technical Guidance to Protect Aquatic Resources and Habitats</b></p>	<p>Technical guidance is provided to developers, government agencies and permit issuing authorities. Potential effects of projects and actions on aquatic resource and environmental value are assessed, measures to prevent adverse impacts are recommended, and alternatives to minimize unavoidable damage are suggested. During the year, 480 permit applications, requests for approval, proposals, impact statements and so forth were reviewed. Thirteen reported fish kills were investigated to assist water pollution control by the State's Department of Health. Division staff served on interagency committees such as for the Department of Health on tin-based antifouling paint for boat hulls and on water quality standards.</p>	<p><b>Aquarium Fish Collecting</b></p>	<p>Last year 224 permits were issued to allow use of fine mesh nets to catch ornamental fish for aquariums. Of the total permits, 132 (59%) went to people collecting for personal use and 92 (41%) to commercial collectors. This is an increase of 21% for the total and 51% for commercial collectors since the previous year. The largest increase in number of commercial collectors (from 8 to 30)</p>

occurred on the Big Island. The law requires commercial collectors, like other commercial fishermen, to report what they catch. Last year the commercial aquarium harvest was 213,824 fish and invertebrates for which \$392,502 was paid. The average price per animal was \$1.84, up \$.19 from last year.

## Regulatory Protection

During the year the Division undertook regulatory action, through administrative procedures to protect certain aquatic resources. Chapter 13-47, Hawaii Administrative Rules (HAR), was amended to prohibit use of gill nets in Hilo Harbor. Subsequently, the 1987 State Legislature banned all fish nets from the harbor, except for crab nets, throw nets, licensed bait nets, and nets to take young mullet to stock fish ponds. Chapter 13-88, HAR, was amended to prohibit taking moi during the principal spawning period and to prohibit any taking of young moi, less than seven inches long. A new Chapter 13-93, HAR, was adopted for taking seaweed to set daily bag limits of one pound per person for personal use and ten pounds per person for commercial harvest. The Rule also prohibits commercial harvest on Maui, and require that the edible seaweeds, ogo and limu manaua be

## Aquatic Recreation Program

harvested without their holdfasts ("root"-like attachment from which the seaweed can regrow) and without visible reproductive nodes or "bumps" on stems and branches.

The objective of this program is to enrich the leisure time of people of all ages by providing opportunities and facilities for developing skills and participating in non-organized outdoor aquatic recreation activities such as saltwater and freshwater fishing, underwater photography, snorkeling and nature studies of aquatic organisms and their habitats. Program activities include: surveys of fish populations and research on individual species; interviews of sport fishermen and other users, creel surveys, and operation of fishermen checking stations; and development, maintenance and management of Freshwater Public Fishing Areas and Marine Fisheries Management Areas.

## Waikiki- Diamond Head Shoreline Fisheries Management Areas (SFMAs), Oahu

The Waikiki-Diamond Head Shoreline Fisheries Management Area, Oahu, was most recently open to fishing from July 1, 1984 to June 30, 1986, and closed on July 1, 1986 to all fishing activities for another two-year period. To monitor the effectiveness of the closure in restoring the fish populations, monthly under-



water fish counts were made at transect stations established within the SFMA. During the one year of closure since July 1, 1986, fish biomass increased approximately 55% from 180 to 279 pounds/acre in the SFMA.

In response to Act 256, SLH 1986, which proposed SFMAs on a State-wide basis, public meetings were held on Hawaii, Maui, Molokai, Oahu and Kauai to explain the purpose of the Act, and to gather public input, comments and suggestions on the system. The information obtained was evaluated and baseline and follow-up aquatic ecosystem surveys are being conducted at several suggested sites, including Olowalu, Maui, and Moanui, Molokai.

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**Marine Surveys  
along South  
Kona Coast,  
Hawaii**

Nearshore marine resources and habitats between Milolii and Humuhumu Point along Hawaii's southwest coast were surveyed during June, 1986. The survey also supported the Division of State Parks, Outdoor Recreation and Historic Sites' proposed establishment of the State Natural, Recreational and Historic Park. The survey also identified suitable swimming areas such as off Honomalino and Manuka, and locations such as off Kanewaa and Keawaiki, where shoreline fishing may be more productive.

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**Artificial  
Reef  
Development**

During May, 1987, 500 artificial reef fish habitat modules constructed from concrete and old tires were deployed at the Maunalua Bay Artificial Reef, Oahu. Underwater surveys revealed that most of the modules are stacked on each other in large piles, and that the estimated standing crop of fishes in the area has increased some 35-fold (650 pounds/acre) in comparison to data (18.6 pounds/acre) obtained prior to the concrete-tire modules addition. Another 500 + concrete-tire modules are scheduled for deployment during early-fall, 1987.

The Department of Transportation has provided use of a one-half acre parcel at the Barbers Point Deep Draft Harbor, Oahu for stockpiling artificial reef building materials. Local construction companies have offered to donate rock/limestone boulders and damaged concrete products (i.e., conduit pipes, girders, etc.), including delivery to the stockpile site. About 500 tons of damaged concrete conduit pipes are already delivered and stored at the site.

The U.S. Navy will donate and scuttle a surplus/derelict 133-foot long barge and two old drydock caissons (99 and 127 feet in length) as a training exercise at the Ewa Deep-water Artificial Reef, Oahu.

**Freshwater  
Public  
Fishing Areas  
(PFAs)**

Kokee PFA, Kauai—Check in station data from the annual rainbow trout fishing season (August 2 to September 28, 1986) showed that 508 angler-trips produced 191 trout. A total of 1,050 fishing hours was expended this year with each fisher averaging 2.07 hours to catch 0.4 trout. The trout averaged 12.3 inches in length and 15.8 ounces in weight.

Nuuanu Reservoir No. 4, Oahu—Three weekend openings were held during August and November, 1986, and May to June, 1987 (23 weekend fishing days) for channel catfish at the Honolulu Board of Water Supply Nuuanu Reservoir No. 4, Oahu. Combined results of the three openings showed that 3,063 anglers (1,717 no-shows) caught a total of 1,233 catfish weighing 2,343 pounds. The overall catch rate was 0.4 catfish per angler, with the catfish averaging 17 inches in length and 2 pounds in weight.

Wahiawa PFA, Oahu—Fisher creel censuses showed catch composition of: tilapia, 44.2%; tucunare, 21.7%; carp, 18.1%; largemouth bass, 8.4%; oscar, 2.7%; channel catfish, 1.8%; bluegill sunfish, 1.8%; smallmouth bass, 0.9%; and goldfish, 0.4%. The 305 anglers interviewed caught a total of 226 fishes during some 780 hours of fishing for a catch rate of about 0.3 fish per angler hour.

**Freshwater  
Gamefish  
Culture**

Rainbow Trout—Rainbow trout eggs were received from the California Department of Fish and Game's Mt. Shasta Hatchery, and hatched in a refrigerated rearing system at the Anuenue Fisheries Research Center (AFRC). The 72,600 fingerling trout (1.5 inches in length) produced from the hatching were shipped to Kauai and planted from a helicopter in fishable streams within the Kokee PFA.

Channel Catfish—Some 3,600 channel catfish fingerlings were stocked in the Nuuanu Reservoir No. 4, and another 1,000 were stocked in the Wahiawa PFA. The fingerling catfish were cultured at the AFRC from 3 egg masses collected in the Nuuanu Reservoir No. 4 during May, 1986. In addition to these releases, an estimated 1,600 fingerling catfish are also being held in cages in the Nuuanu Reservoir No. 4 for eventual release.

### Commercial Fish Landings

Fiscal Year 1986-87

ISLAND	Sea Catch			Pond Catch			Total		
	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)
Hawaii	3,798,342	3,697,967	\$4,750,654.55	19,999	19,948	\$51,939.44	3,818,341	3,717,915	\$4,802,593.99
Maui	1,018,171	939,511	1,719,577.09	—	—	—	1,018,171	939,511	1,719,577.09
Lanai	24,725	21,069	33,533.87	—	—	—	24,725	21,069	33,553.87
Molokai	77,112	65,723	166,045.13	489	4	20.00	77,601	65,727	166,065.13
Oahu	5,809,467	5,646,818	11,727,219.62	11,468	11,468	15,169.44	5,820,935	5,658,286	11,742,389.06
Kauai	1,372,916	1,229,309	2,034,598.44	—	—	—	1,372,916	1,229,309	2,034,598.44
Niihau	7,504	6,828	13,741.45	—	—	—	7,504	6,828	13,741.45
TOTALS	12,108,237	11,607,225	\$20,445,390.15	31,956	31,420	\$67,128.88	12,140,193	11,638,645	\$20,512,519.03

State of Hawaii

Department of Land and Natural Resources

Honolulu

### Division of Aquatic Resources

Commercial Fish Landings by Species, State of Hawaii—Fiscal Year 1987

Sea Catch by Species SPECIES	Lbs. Landed	Lbs. Sold	Value
Tuna (Unclass)	1,371	417	\$ 458.20
Aku	3,006,280	2,933,191	3,166,411.64
Ahi (Yellowfin)	4,090,276	3,877,862	4,720,184.44
Ahipalaha	189,459	188,386	136,544.62
Ahi (Bigeye)	201,103	197,190	502,330.26
Kawakawa	8,298	5,393	6,273.23
Manchon-pomfret	6,919	6,882	11,801.87
Swordfish (Unclass)	242	241	284.31
Striped marlin	75,493	71,689	109,496.91
P.B. marlin	514,100	476,947	419,601.96
Black marlin	21,623	20,974	19,840.23
S.N. spearfish	23,171	20,810	35,930.59
Broadbill	15,245	15,190	42,314.01
Sailfish	4,524	4,307	7,812.26
Mahimahi	702,745	669,592	1,523,454.39
Ono	455,083	432,246	1,023,329.43
Hapuupuu	92,384	89,330	158,997.66
Kahala	20,879	14,830	6,401.53



State of Hawaii  
 Department of Land and Natural Resources  
 Honolulu

**Division of Aquatic Resources** *(continued)*

Commercial Fish Landings by Species, State of Hawaii—Fiscal Year 1987

Sea Catch by Species SPECIES	Lbs. Landed	Lbs. Sold	Value
Kalikali	30,871	29,515	58,668.53
Omilu	13,100	12,556	24,575.84
Opakapaka	402,459	384,168	1,202,949.65
Uku	89,175	88,249	243,756.34
Ehu	56,839	54,013	156,056.96
Onaga	248,049	244,735	916,381.18
Ulua (Unclass)	61,164	57,313	84,105.31
Ulua-Buta	89,962	89,633	93,089.47
Ulua-Dobe	1,344	1,241	1,591.94
Ulua-Gunkan	1,659	1,659	2,541.84
Ulua-Menpachi	174	174	240.24
Ulua-Paapaa	9,643	9,543	16,250.27
Ulua-White/Black	20,017	19,461	35,349.23
Ulua kihikihi	2,051	1,926	2,916.79
A'awa	3,161	2,924	2,627.37
Ahaaha	5,452	5,364	5,326.14
Aholehole	4,172	3,776	8,209.45
Akule	184,414	173,685	329,722.46
Hahalalu	13,132	12,903	24,174.55
Alaihi	281	273	457.32
Alaihi Mama (uukanepou)	71	67	78.72
Amaama	6,807	5,856	15,067.65
Awa	1,160	1,133	1,250.27
Awaawa	687	609	440.84
Aweoweo	9,918	9,144	14,427.57
Ea	519	484	318.65
Hanui	611	568	468.13
Hauliuli	41	—	—
Hihimanu	35	20	12.00
Hilu	8	8	11.40
Hinalea	303	290	244.45
Humuhumu	329	237	569.96
Iheihe	78	54	125.70

State of Hawaii

Department of Land and Natural Resources

Honolulu

**Division of Aquatic Resources** *(continued)*

Commercial Fish Landings by Species, State of Hawaii—Fiscal Year 1987

<b>Sea Catch by Species SPECIES</b>	<b>Lbs. Landed</b>	<b>Lbs. Sold</b>	<b>Value</b>
Kaku	6,260	5,189	8,523.36
Kala	14,618	14,125	9,455.53
Kamano	16,649	16,005	15,756.24
Kawelea	4,775	4,387	4,265.82
Kole	6,826	6,172	7,372.95
Kumu	7,895	7,545	35,552.94
Kupipi	168	165	155.51
Kupoupou	45	45	49.44
Laenihi	4,862	4,374	13,612.95
Lae	293	234	228.76
Lauwiliwili	50	50	25.00
Lehi	38,609	36,653	100,368.31
Maiii	47	47	31.56
Maiko	544	533	303.68
Mako	704	514	638.55
Malolo	14	10	3.85
Malu	764	746	1,797.12
Maomao	1,694	1,644	2,108.22
Manini	10,864	10,335	16,434.81
Mano	8,625	6,450	9,813.74
Mano kihikihi	381	90	45.00
Mano Thresher	1,422	1,148	1,081.65
Mano Tiger	459	459	168.60
Makiawa	88	88	98.73
Moano	4,662	4,268	11,569.59
Moana Kali-aoweke	1,684	1,552	8,167.95
Moi	1,256	988	3,470.18
Mu	1,988	1,902	3,682.10
Munu (Joe Lewis)	145	140	869.64
Naenae	3,146	3,146	1,552.28
Nenue	17,351	16,317	10,128.80
Nohu	1,581	1,445	2,600.62
Hogo	2,977	2,852	8,053.90



State of Hawaii

Department of Land and Natural Resources

Honolulu

**Division of Aquatic Resources** *(continued)*

Commercial Fish Landings by Species, State of Hawaii—Fiscal Year 1987

Sea Catch by Species SPECIES	Lbs. Landed	Lbs. Sold	Value
Nunu	306	256	158.70
Oililepa	647	598	432.52
Oio	5,881	4,932	4,403.78
Omaka	62	59	283.85
Oopuhue	104	59	268.40
Opah (Manendai)	15,537	15,537	22,859.73
Opelu	394,719	383,749	599,511.02
Opelu kala	4,418	4,272	2,984.61
Opelu mama	73	73	170.40
Pala	126	109	93.72
Pakii	18	18	20.37
Pakuikui	64	35	24.18
Palani	29,303	28,414	23,622.95
Panuhunuhu	124	110	96.08
Panunu	298	298	490.03
Paopao	125	109	228.85
Poopaa	763	735	1,008.20
Po'ou	946	932	2,857.81
Pualu	7,068	6,999	6,075.31
Puhi	225	220	117.28
Puhi (White)	716	622	392.97
Roi	1,213	1,194	3,142.73
Saba	47	20	31.70
Tilapia	35	—	—
Taape	54,915	52,518	47,045.35
Toau	4,104	3,909	5,457.33
Uhu	40,331	38,441	53,036.69
Ukikiki (Gindai)	5,498	5,323	11,260.47
Uouoa	780	694	1,489.00
Upapalu	34	5	1.95
Uu	38,663	36,347	79,266.47
Walu	392	387	94.52
Weke	28,536	27,637	40,243.24

State of Hawaii

Department of Land and Natural Resources

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**Division of Aquatic Resources** *(continued)*

Commercial Fish Landings by Species, State of Hawaii—Fiscal Year 1987

Sea Catch by Species SPECIES	Lbs. Landed	Lbs. Sold	Value
Weke ula	14,388	13,886	23,942.73
Weke pueo	126	126	135.55
Alfonsin	165	165	237.86
Crab (Unclass)	240	80	702.00
Crab (Aama)	534	494	2,913.00
Crab (Blue pincher)	51	46	53.00
Crab (Kona)	22,113	19,911	65,606.51
Crab (Moala)	276	272	568.66
Crab (Samoan)	317	203	732.88
Crab (White)	12,595	12,513	40,883.13
Shrimp (Opae)	2,004	1,887	6,868.52
Shrimp (Laevigatus)	1,817	1,796	6,074.82
Shrimp (Ensifer)	124	123	716.60
Lobster (Spiny)	318,424	317,054	2,756,854.25
Lobster (Slipper)	156,835	156,660	1,025,410.78
Hee	37,250	30,326	66,107.47
Muhee	4,355	3,585	4,699.75
Opihi	17,933	15,276	40,711.51
Wana	150	—	—
Hihiwai	1,801	1,726	3,447.97
Pupu	4	4	8.00
Namako	16	16	50.00
Limu (Unclass)	690	673	2,581.40
Limu (Kohu)	4,948	4,806	25,050.96
Limu (Manauea)	1,282	1,280	2,967.36
Limu (Ogo)	1,050	895	1,638.98
Limu (Wawaeiole)	5,501	5,465	6,410.96
Coral (Stony)	1,429	1,072	2,399.00
Coral (Rose)	8,463	7,967	15,257.85
Coral (Mushroom)	43	43	165.00
Coral (Black)	1,731	1,176	17,028.00
Misc.	7,184	6,412	6,534.30
<b>TOTAL</b>	<b>12,108,237</b>	<b>11,607,225</b>	<b>\$20,445,390.15</b>

NOTE: Data incomplete due to late reporting of fish catches.

# Pond Catch by Species

Fiscal Year 1987

Species	Lbs. Landed	Lbs. Sold	Value
Omilu	1,108	1,108	\$ 1,214.45
Ulua	287	277	627.51
Aholehole	1,548	1,548	3,782.72
Amaama	2,613	2,420	7,831.65
Awa	262	255	375.22
Awaawa	39	39	32.00
Kaku	392	341	1,046.92
Oio	6,166	6,072	6,665.91
Pualu	2,032	2,032	1,977.40
Summer Mullet	178	178	497.60
Toau	194	194	696.36
Tilapia	2,045	2,045	6,845.07
Crab (Moala)	10	—	—
Crab (Samoan)	65	26	119.20
Crab (White)	132	—	—
Misc.	14,885	14,885	35,416.87
TOTAL	31,956	31,420	\$67,128.88

## Miscellaneous Permits (No Charge)

Fiscal Year 1986-87

Type	Number
Scientific Collecting Permits—Fisheries	28
Group Fishing Permits	0
TOTAL	28



**Federal Aid Funds<sup>1</sup>**

Fiscal Year 1986-87

Type	Amount (Dollars)
Dingell-Johnson Federal Aid in Sportfish Restoration Fund . . . . .	\$311,143.09
Commercial Fisheries Research and Development (P.L 88-309) Fund . . . . .	99,496.12
TOTAL . . . . .	\$410,639.21

<sup>1</sup>Cash reimbursements from federal government during Fiscal Year 1986-87; outstanding claims not included.



The Division of State Parks, Outdoor Recreation and Historic Sites administers the state park system, the historic preservation program and the state recreation planning program. Basic activities relating to these functions are divided among three programs of the State's budgeting system: Historic and Archaeological Places, Parks Recreation and General Administration for Culture and Recreation.

**HISTORIC AND ARCHAEOLOGIC PROGRAM**

The objective of this program is to preserve and make available for appreciation and study, places of historic and archaeological significance. Major activities include acquisition, planning, research, stabilization, preservation, rehabilitation, restoration, reconstruction and interpretation.

**Planning and Development**

*Kealakekua Bay State Historical Park, Hawaii.* A topographic survey of the Napoopoo Area was completed. The survey will be used to site and design park facilities.

*Russian Fort Elizabeth State Historical Park, Kauai.* The interim interpretive program was implemented to present the park visitor with information about the history of the fort and its association with Waimea town. The interpretive facilities consist of a signboard near the parking lot to orient the park visitor and an interpretive brochure. The program is a self-guided tour through the fort with posts to identify the sites.

**Historic Preservation Grants-in-Aid**

Federal funds totalling \$57,356 were used for survey and planning of historic properties. Seven projects were funded during this period.

Project	Grant Amount
1. Hawaii Heritage Society for the production of a 1987 calendar on the Kamehameha dynasty.	\$11,650
2. City & County of Honolulu Department of Parks and Recreation to inventory and evaluate County owned pre-World War II parks on Oahu.	4,000
3. Hawaiian Historical Society to inventory and evaluate cemeteries on Oahu.	5,000

4. Datasearch Hawaii Inc. to continue to update and evaluate the historic sites inventory for the island of Hawaii.	10,962
5. Michael Chu, Landscape Architect, to begin an inventory of historic landscapes designed by Richard Tongg.	5,000
6. Kona Historical Society to inventory and evaluate coffee farms in Kona on the island of Hawaii.	5,000
7. County of Kauai for certified local government share.	20,364

In addition to the federal grants-in-aid, the 1986 State Legislature appropriated \$550,000 for four historic preservation projects which commenced during the 1986-1987 year. These included:

1. The restoration of the Haraguchi Rice Mill	\$ 25,000
2. The restoration of the Meyer Sugar Mill	100,000
3. Continued support for the Main Street Program	25,000
4. Physical plant maintenance for Bishop Museum	400,000

**PARKS RECREATION PROGRAM**

The program objective is to provide opportunities and facilities for nonorganized outdoor park recreation activities and for appreciation of unique natural features. Activities carried out in this program include the acquisition of desirable lands for park utilization; and the planning, development and management of coastal parks, inland parks and parks with outstanding natural features.

**Land Acquisition**

*Makapuu Point State Wayside, Oahu.* The federal property around the Makapuu Point lighthouse was turned over to the State of Hawaii for recreational use. Most of the U.S. Coast Guard Station, known as the Makapuu Point Light Station, was declared surplus federal property and released to the State when its application for the property was approved by the National Park Service. The surplus property covers about 40 acres including a geographically separate spring which was once the water source for the lighthouse station. The lighthouse, which is on the National Register of Historic Places, is not included in the transfer and will continue to be operated by the Coast Guard. The site offers spectacular views of the Waimanalo coast, Koko Crater, Koko Head, across the ocean to some of the neighbor islands, and the historic lighthouse. The

site with its spectacular visual resources and historic value, is best suited for recreational activities such as sightseeing, hiking, picnicking and whale watching.

*Makena State Park, Maui.* A court order of possession of an 8.065-acre shoreline property at Oneloa Beach, Makena, Maui, was obtained through condemnation proceedings. The Oneloa Beach, or Big Beach, area is a prime coastal property noted for its beautiful white sand beach. The property will be incorporated into Makena State Park.

### **Planning and Development**

*Aina Moana State Recreation Area, Oahu.* Construction plans were completed for the reconstruction of the park maintenance shed. This project will provide the additional space required for the storage of maintenance equipment and supplies.

*Akaka Falls State Park, Hawaii.* The incremental improvement of park facilities continued. Concrete steps and metal handrails were constructed along sections of the walkway to the scenic waterfall lookout. Other minor improvements were made to correct drainage and sewage problems.

*Diamond Head State Monument, Oahu.* Construction plans were prepared for the demolition of four abandoned structures. A property survey is underway. The survey is one of the necessary steps before the other government lands can be incorporated into the park as proposed in the 1979 Planning Report for Diamond Head.

*Hapuna Beach State Recreation Area, Hawaii.* The construction of a concession building was completed. It was designed with a food sales area, a commercial kitchen, an office, a storage area, and a parking area. The facility is scheduled to become operational next fiscal year.

*Hawaii Nature Center, Oahu.* A former park warehouse within Makiki Valley was modified for use as an environmental education facility. Minor improvements included windows, lighting, roof coating, painting, and a

drinking fountain.

*Kaena Point State Park, Oahu.* The exploration for a water source within Makua Valley was successful. Fresh water was found in sufficient quantity to supply the planned park development at Makua Beach.

*Kalopa State Recreation Area, Hawaii.* A paved walkway and a ramp were constructed to make the park facilities more accessible for the handicapped. Various structures, including the caretaker's residence, the pavilion, the group accommodations, and the recreation-dining hall, were renovated.

*Kokee State Park, Kauai.* The exploration for a new water source was successful. Several new well sites were located for the upcoming development of a new park water system. The existing tap water available within the park does not meet water quality standards for potable water.

*Lava Tree State Monument, Hawaii.* Construction plans were completed for a new comfort station. The new comfort station will replace an old pit toilet which was closed in 1986 due to structural problems.

*Malaekahana State Recreation Area, Oahu.* Public access to the beach and minor park improvements were completed at the Kahuku Area of the park. Facilities provided include a parking area, a comfort station, and an outdoor shower.

*Na Pali Coast State Park, Kauai.* A program to interpret the coral reef resources and archaeological sites at Nualolo Kai has been implemented. The interpretive program consists of an interpretive trail alongside selected archaeological sites with identifying posts at the sites and a brochure to inform the park visitors about the sites, history, and environment of Nualolo Kai. The self-guided program is used during the summer months when the boat tours bring visitors to the area.

A second waterless composting-type toilet facility was installed at the campground at Kalalau Beach. It was installed to supplement the existing units. These waterless



composting-type toilets are replacing the old pit-type toilet which were installed years ago in the park.

*Old Kona Airport State Recreation Area, Hawaii.* A vehicular barrier with a gate was installed across the former runway to secure the beach facility improvements during the evening hours. The construction of another picnic area is nearing completion.

*Wailua River State Park, Kauai.* A water system is being developed for future use at the Fern Grotto Area. A fresh water well, a pump station, a water tank, and a distribution system are under construction.

*Waimanalo Bay State Recreation Area, Oahu.* A campground was developed and opened for public use at this popular park. An existing comfort station was reconstructed and ten campsites were partially developed. Elsewhere in the park, a new comfort station was constructed, an existing comfort station was reconstructed, and two outdoor shower rings and vehicular barriers were installed.

*Waimea State Recreation Pier, Kauai.* A comfort station, a parking lot, and landscaping of the grounds are being completed to support the use of the fishing pier.

**ADMINISTRATION FOR CULTURE AND RECREATION PROGRAM**

The purposes of this program are to formulate overall policies and plans and to provide program direction and other administrative and housekeeping services. Major activities include general administration; planning; contract administration; reviewing projects for compliance with historic preservation procedures and for their impact on outdoor recreation resources and opportunities; administration of the Land and Water Conservation Fund and the National Historic Preservation Fund; and the preparation of the State Historic Preservation Plan and the State Recreation Plan.

**State Recreation Planning**

*Land and Water Conservation Fund (LWCF).* The State of Hawaii received federal grants for the LWCF Program amounting to \$361,989 for the following projects:

Project	Location	Grant Amount
Kailua Beach Park Acquisition	Oahu	\$184,600
Kawainui Marsh Park Acquisition	Oahu	134,389
(Project Amendment)		
SCORP Wetlands Resources Plan	Statewide	43,000

These projects are in conformance with the recreation needs identified in the State Comprehensive Outdoor Recreation Plan.

*The State Comprehensive Outdoor Recreation Plan (SCORP) Wetlands Resources Planning Component.* The SCORP Wetlands Resources Planning component is being developed to meet the requirements of the Emergency Wetlands Resources Act in order to maintain eligibility to participate in the Land and Water Conservation Fund Program. It will include an assessment of the status of wetlands resources in the State, specifically, the identification of agencies concerned with the preservation of wetlands, an evaluation of effectiveness of existing protection mechanisms, an estimation of current loss of wetlands, and the establishment of priorities for wetlands acquisition according to their biological and recreational importance.

**Historic Preservation**

*Historic Sites Survey and Registration.* Eleven historic properties were placed on the Hawaii Register of Historic Places: Pohaku Lanai, Wet Taro System, Tsoong Nyee Society Cook House, Lihikai (George R. Carter House), Honolulu English Tudor/French Norman Cottages Thematic Group (2 sites), OR&L Company Depot & Document Storage Building, Sacred Heart Church, Emerald Building, Robert M. Purvis Residence and Waimanalo Taro Terraces. The National Register of Historic Places had twenty-eight sites added: Puuopehe Platform,



J. P. Mendonca Residence, Pua'a 2 Agricultural Field Archaeological District, Mahana Archaeological District, S. W. Molokai Archaeological District, Keaau Talus Sites, Kukui Heiau, Holualoa Church, Kaneohe Ranch, Kiholo-Puako Trail, Honolulu English Tudor/French Norman Cottages Thematic Group (15 sites), Lihikai (George R. Carter House), Kaniakapupu and Paauhau Plantation House.

*Preservation Reviews.* A total of 1,161 public and private developments were reviewed for their effect on historic

properties. Approximately 90% of these developments involved archaeological sites.

*This portion of the annual report and the section on historic preservation grants-in-aid are intended to meet the requirements of Chapter 6E, Hawaii Revised Statutes.*

### Existing State Parks and Other Areas

Fiscal Year 1986-87

#### HISTORICAL AND ARCHAEOLOGICAL PLACES

Project	Name	Year Established <sup>7</sup>	Total Acreage	Developed Acreage	Recreation Visits <sup>1</sup> (Thousands)
<b>HAWAII</b>					
F-13	Kamehameha I Birthsite State Monument	1978	0.5	0.5	— <sup>8</sup>
H-18	Kamoa Pt. State Historical Park	1980	12.0	—	— <sup>10</sup>
F-14	Kealahou Bay State Historical Park	1967	181.7	0.8	57
	(Kaawaloa Reserve Area)	(1971)	(111.3)	(—)	(—) <sup>9</sup>
	(Napoopoo Area)	(1967)	(70.4)	(0.8)	(57)
F-13	Lapakahi State Historical Park	1973	262.0	53.3	65
F-13	Mookini Heiau State Monument	1979	3.2	3.2	— <sup>8</sup>
<b>MAUI</b>					
F-21	Halekii-Pihana Heiaus State Monument	1962	10.2	3.5	22
H-24	Kanekaula Heiau State Park Reserve	1984	0.7	—	— <sup>10</sup>
<b>OAHU</b>					
F-11	Iolani Palace State Monument	1967	11.0	11.0	76 <sup>2</sup>
F-23	Puu o Mahuka Heiau State Monument	1962	4.0	3.5	9
F-15	Royal Mausoleum State Monument	1968	10.0	3.0	77
	(Kapena Falls Reserve Area)	(1976)	(6.7)	(—)	(—) <sup>9</sup>
	(Royal Mausoleum Area)	(1968)	(3.3)	(3.0)	(77)
F-24	Ulu Po Heiau State Monument	1954	8.3	1.2	4

Existing State Parks and Other Areas

Fiscal Year 1986-87

HISTORICAL AND ARCHAEOLOGICAL PLACES				
Project	Name	Year Established <sup>7</sup>	Total Acreage	Recreation Visits <sup>1</sup> (Thousands)
<b>KAUAI</b>				
F-12	Russian Fort Elizabeth State Historical Park	1972	17.3	343
<b>Total State Parks</b>		12	520.9	653
<b>OAHU:</b>				
H-21	DAV Keehi Lagoon Memorial	1981	11.1 <sup>5</sup>	— <sup>10</sup>
F-18	State Capitol Grounds	1969	10.0 <sup>5</sup>	— <sup>9</sup>
F-25	Washington Place	1966	3.1 <sup>5</sup>	— <sup>10</sup>
<b>Total Other Areas of State Park Interests</b>		3	24.2	—
<b>TOTAL HISTORICAL &amp; ARCHAEOLOGICAL PLACES</b>				
		15	545.1	653

PARKS RECREATION				
Project	Name	Year Established <sup>7</sup>	Total Acreage	Recreation Visits <sup>1</sup> (Thousands)
<b>HAWAII</b>				
F-35	Akaka Falls State Park	1952	65.4	559
F-75	Hapuna Beach State Recreation Area	1967	61.1 <sup>4</sup>	1,312
F-65	Kalapana State Wayside	1975	9.4	236
F-53	Kalopa State Recreation Area	1967	100.0 <sup>3</sup>	111
F-36	Kealahou Bay State Underwater Park	1971	315.0	— <sup>8</sup>
F-66	Kilauea State Recreation Area	1966	7.3 <sup>3</sup>	— <sup>8</sup>
F-34	Lava Tree State Monument	1956	17.0	119
F-77	MacKenzie State Recreation Area	1955	13.1 <sup>3</sup>	128
F-69	Manuka State Wayside	1952	13.4	159
F-64	Mauna Kea State Recreation Area	1962	20.0 <sup>3</sup>	286
H-47	Old Kona Airport State Recr. Area	1976	117.8	1,020

PARKS RECREATION

Project Name	Year Established <sup>7</sup>	Total Acreage	Developed Acreage	Recreation Visits <sup>1</sup> (Thousands)
F-58 Wailoa River State Recr. Area	1954	147.3	112.7	583
(Wailoa Center)	(1968)	(4.0)	(4.0)	(108)
(Wailoa)	(1954)	(143.3)	(108.7)	(475)
F-33 Wailuku River State Park	1967	16.3 <sup>3</sup>	3.5	836
(Boiling Pots Area)	(1967)	(6.0)	(2.0)	(203)
(Rainbow Falls Area)	(1967)	(10.3)	(1.5)	(633)
<b>MAUI</b>				
F-32 Iao Valley State Monument	1961	6.2	5.9	1,008
F-59 Kaunahina State Wayside	1952	7.8 <sup>3</sup>	3.5	529
F-81 Launiupoko State Wayside	1965	5.7	5.7	441
F-73 Makena State Park	1971	147.3	—	110
F-87 Papalaua State Wayside	1975	6.7	6.7	54
F-67 Polipoli Spring State Recr. Area	1957	10.0 <sup>3</sup>	2.0	13
F-59 Puaa Kaa State Wayside	1954	3.0 <sup>3</sup>	3.0	531
F-81 Wahikuli State Wayside	1969	8.3	7.5	524
F-55 Waianapanapa State Park	1966	120.0 <sup>4</sup>	18.0	368
F-59 Wailua Valley State Wayside	1952	1.5	0.5	109
<b>MOLOKAI</b>				
F-60 Palaau State Park	1955	233.7	10.0	184
<b>OAHU</b>				
F-83 Aiea Bay State Recreation Area	1981	6.0	2.1	— <sup>9</sup>
F-85 Aina Moana State Recreation Area	1970	42.7	42.7	648
F-37 Diamond Head State Monument	1962	475.0 <sup>4</sup>	8.0	66
F-38 Hanauma Bay State Underwater Park	1969	101.0	—	— <sup>8</sup>
F-27 Heeia State Park	1977	18.4	8.0	115
F-97 Honolulu Stadium State Recr. Area	1978	9.2	9.2	62
F-72 Kaena Point State Park	1978	853.0 <sup>3</sup>	6.5	169 <sup>12</sup>
(Keawaula Area)	(1978)	(426.7)	(5.0)	(169) <sup>1</sup>
(Makua Area)	(1978)	(51.7)	(1.5)	(—)
(Windward Area)	(—)	(374.6)	(—)	(—) <sup>9</sup>
F-57 Kahana Valley State Park	1970	5,220.3	20.0	27
F-88 Kaiaka State Recreation Area	1975	52.8	30.0	106
H-73 Kakaako Waterfront State Recr. Area	1978	3.0 <sup>3</sup>	2.0	— <sup>9</sup>
F-48 Keaiwa Heiau State Recr. Area	1955	384.5	22.0	268



PARKS RECREATION				
Project Name	Year Established <sup>7</sup>	Total Acreage	Developed Acreage	Recreation Visits <sup>1</sup> (Thousands)
H-70 Malaekahana State Recreation Area	1977	110.0	41.5	156
(Kahuku Area)	(1983)	(36.3)	(1.5)	(—) <sup>8</sup>
(Kalanai Point Area)	(1977)	(73.7)	(40.0)	(156)
H-68 Makapuu State Wayside	1987	35.2	—	— <sup>10</sup>
F-30 Nuuanu Pali State Wayside	1964	2.5 <sup>3</sup>	2.5	1,172
F-51 Puu Ualakaa State Wayside	1957	50.0 <sup>3</sup>	12.0	185
H-45 Sacred Falls State Park	1977	1,374.2	10.0	21
F-70 Sand Island State Recreation Area	1970	140.0	83.0	832
— Sans Souci State Recreation Area	1969	1.0	1.0	72
F-61 Waahila Ridge State Recr. Area	1967	49.9	7.0	105
F-50 Wahiawa Freshwater State Recr. Area	1978	66.0 <sup>3</sup>	5.0	115
F-71 Waimanalo Bay State Recr. Area	1970	74.8	36.0	140
<b>KAUAI</b>				
F-09 Ahukini State Recreation Pier	1978	0.8 <sup>3</sup>	0.8	75
F-74 Haena State Park	1972	61.7	2.0	529
F-46 Kokee State Park	1952	4,345.0	55.0	870
F-80 Na Pali Coast State Park	1962	6,175.0	4.0	62
F-78 Polihale State Park	1967	137.5 <sup>4</sup>	10.0	298
F-54 Wailua River State Park	1954	1,125.9	50.4	3,145
(Fern Grotto Area)	(1954)	(14.6)	(5.0)	(777)
(Lydgate Area)	(1962)	(45.5)	(20.0)	(693)
(Kaumualii Area)	(1962)	(4.0)	(4.0)	(196)
(Marina Area)	(1962)	(15.4)	(15.4)	(758)
(Poliahua Area)	(1962)	(134.8)	(6.0)	(608)
(Wailua Beach Area)	(1977)	(2.9)	(—)	(113)
(Wailua River Reserve Area)	(1956)	(908.7)	(—)	(—)
F-39 Waimea Canyon State Park	1952	1,866.4	10.0	905
F-82 Waimea State Recreation Pier	1974	1.3 <sup>3</sup>	.2	39
<b>Total State Parks</b>	<b>53</b>	<b>24,236.4</b>	<b>764.0</b>	<b>19,402</b>

PARKS RECREATION				
Project Name	Year Established <sup>7</sup>	Total Acreage	Developed Acreage	Recreation Visits <sup>1</sup> (Thousands)
HAWAII				
F-58 Wailoa River State Recr. Area —Happiness Garden	1978	2.3	2.3	— <sup>11</sup>
OAHU				
F-51 Hawaii Nature Center	1981	1.0 <sup>5</sup>	1.0	13
F-92 Kahala Heights	1979	24.2	0.8	— <sup>9</sup>
H-62 Keehi Lagoon Landfill	1981	10.9 <sup>5</sup>	—	— <sup>10</sup>
F-51 Lower Makiki	1979	0.8	0.8	— <sup>9</sup>
H-29 Waimano Gulch State Park Reserve	1980	35.9	—	— <sup>10</sup>
KAUAI				
H-80 Hanalei Pier	1979	0.5 <sup>5</sup>	0.5	— <sup>10</sup>
F-52 Wahiawa Mauka State Park Reserve	1968	52.3	—	— <sup>10</sup>
Total Other Areas of State Park Interest	8	127.9	5.4	13
TOTAL PARKS RECREATION	61	24,364.3	769.4	19,415
GRAND TOTAL	76	24,909.4	883.6	20,068

# SUMMARY BY ISLANDS

Island	Total Number Established	Total Acreage	Developed Acreage	Recreation Visits <sup>1</sup> (Thousands)
HAWAII	18	1,362.5	278.1	5,471
MAUI	12	327.4	56.3	3,709
MOLOKAI	1	233.7	10.0	184
OAHU	25	9,102.8	367.2	4,425
KAUAI	9	13,730.9	142.4	6,266
Total State Parks	65	24,757.3	854.0	20,055
HAWAII	1	2.3	2.3	—
OAHU	8	97.0	26.8	13
KAUAI	2	52.8	.5	—
Total Other Areas of State Park Interest	11	152.1	29.6	13
GRAND TOTAL	76	24,909.4	883.6	20,068

## FOOTNOTES:

<sup>1</sup> Visits=(number of vehicles) x (occupants) or the number of actual visits, depending on the facility. One visitor may account for more than one visit.

<sup>2</sup> Number of visits for Iolani Palace Tours only. Does not include grounds.

<sup>3</sup> Acquired jurisdiction; no definite boundaries yet established; acreage is estimated.

<sup>4</sup> Acquired jurisdiction of additions; new boundaries not yet established; acreage is estimated.

<sup>5</sup> Acquired responsibility; acreage is estimated.

<sup>6</sup> No current data available—rough estimate only.

<sup>7</sup> The year State Parks Division acquired area, jurisdiction and/or responsibility for the area.

<sup>8</sup> Area is opened to the public—no recreation visit counts available. (These are areas that are not listed in the published Guide to Hawaii's State Parks.)

<sup>9</sup> Area is used by the public—no recreation visit counts available. (These are areas that are not listed in the published Guide to Hawaii's State Parks.)

<sup>10</sup> Area is not open to the public.

<sup>11</sup> Discontinued recreation visit count at Happiness Garden (Wailoa River State Recreation Area, Hawaii) as of November, 1984. Area has been under General Lease to a non-profit group from April, 1982.

<sup>12</sup> Includes recreation visit counts for Keawaula and Makua sections. No separate counts available.



**Division of State Parks,  
Outdoor Recreation and Historic Sites**

**State Park and Historic Site Areas**

Fiscal Years 1952-1987

Year <sup>1</sup>	Areas	Acreage <sup>2</sup>	Revenues	Expenditures			Estimated Recreation Visits	Operating Cost Per Visit
				Total	Capital Improvements	Operating		
1952	5	5,422	NA	NA	NA	NA	NA	NA
1953	7	5,500	NA	\$ 12,458	—	\$ 12,458	76,000	16¢
1954	9	5,739	NA	19,469	—	19,469	79,000	25¢
1955	14	5,829	NA	20,109	\$ 7,534	12,575	148,000	9¢
1956	15	5,846	NA	28,914	15,812	13,102	154,000	9¢
1957	16	6,138	NA	25,473	12,041	13,432	164,000	8¢
1958	18	6,166	NA	16,134	2,000	14,134	239,000	6¢
1959	18	6,166	NA	24,695	2,983	21,712	243,000	9¢
1960	18	6,166	NA	49,445	11,896	37,549	267,000	14¢
1961	18	6,166	\$ 9,337	542,905	462,347	80,558	297,000	27¢
1962	21	6,410	4,557	482,150	362,474	119,676	489,000	25¢
1963	23	6,410	11,684	387,918	213,154	174,764	666,000	26¢
1964	22	6,412	20,433	492,666	289,482	202,184	1,196,000	17¢
1965	22	7,514	21,207	860,307	664,801	195,506	1,893,000	10¢
1966	27	7,514	24,428	2,256,056	1,999,232	256,824	2,710,000	10¢
1967	34	7,536	34,650	1,904,582	1,584,395	320,187	3,204,000	10¢
1968	36	7,541	50,905	2,365,088	1,991,749	373,339	4,767,000	8¢
1969	38	8,231	83,038	2,820,857	2,341,486	479,371	6,142,000	8¢
1970	41	15,584	113,552	3,283,580	2,635,823	647,757	9,520,000	7¢
1971	44	15,983	151,198	3,638,211	2,859,905	778,306	13,007,000	6¢
1972	46	16,000	190,165	5,592,396	4,779,141	813,255	9,798,000	8¢
1973	46	16,108	226,541	2,687,296	1,906,652	780,644	13,271,000	6¢
1974	53	16,629	243,039	2,294,804	1,474,636	820,168	12,907,000	6¢
1975	53	18,181	282,182	15,066,142	14,129,563	936,579	12,124,000	8¢
1976	55	18,577	296,656	8,433,095	6,900,347	1,532,748	14,305,000	11¢
1977	58	20,151	326,252	17,728,203	16,104,420	1,623,783	18,864,000	9¢
1978	64	20,295	383,234	9,039,297	7,038,675	2,000,622	15,966,000	13¢
1979	65	20,625	547,895	11,291,090	9,031,384	2,259,706	17,911,000	13¢
1980	66	20,637	544,524	19,224,053	16,645,273	2,578,780	17,169,000	15¢
1981	71	20,836	738,143	19,714,919	15,617,140	4,097,779	15,611,000	26¢
1982	72	20,885	678,049	7,188,343	3,611,400	3,576,943	18,111,000	20¢
1983	74	20,564	668,597 <sup>3</sup>	8,545,395	4,627,714	3,917,681	17,246,000 <sup>4</sup>	23¢
1984	74	24,751	775,854	5,416,863	1,791,251	3,625,612	19,406,000	19¢
1985	74	24,799	849,199	6,217,325	2,352,117	3,865,208	19,908,000	19¢

1986	74	24,865	1,104,380	9,630,691 <sup>5</sup>	5,442,717	4,187,974 <sup>5</sup>	19,680,000	21 <sup>65</sup>
1987	76	24,909	1,178,694	7,952,859	3,423,597	4,529,262	20,068,007	23 <sup>6</sup>

#### FOOTNOTES

NA—Not Available.

<sup>1</sup>Year ended June 30.

<sup>2</sup>Parks for which boundaries are not yet established are not included prior to June 30, 1970.

<sup>3</sup>\$10,000 estimated loss of revenue due to Hurricane Iwa damage.

<sup>4</sup>Parks partially closed for 2 month period on Oahu and Kauai due to Hurricane Iwa damage.

<sup>5</sup>To correct error. \$4,629,565 reported previously should be \$4,187,974. The total changes to \$9,630,691. Operating cost per visit changes to 21<sup>6</sup>.

#### State Park and Historic Site Revenue

Fiscal Year 1986-87

Income Source	
Rentals, recreation residence lots (Kokee and Waimea Canyon State Parks)	\$ 246,982
Rentals, vacation cabins and lodgings, State operated (all parks)	148,477
Lease of concessions (Kokee and Wailua River State Parks, Kauai)	194,255
Mooring fees (Wailua River State Park Marina, Kauai)	14,231
Landing Fees (Na Pali Coast State Park, Kauai) <sup>1</sup>	25,478
Sale of water (Kokee State Park)	3,816
Admission fees (Iolani Palace)	249,981
Commissions & sales, misc., all islands (firewood, timber, public phones, filming, photography, other)	39,089
Sale of publications	—
Transportation services (Wailua River State Park Marina, Kauai)	252,335
Rentals, other recreation areas (Old Kona Airport State Recreation Area)	4,050
<b>TOTAL</b>	<b>\$1,178,694</b>

#### FOOTNOTES:

<sup>1</sup>First year of income reported for landing fees at Na Pali Coast State Park, Kauai. All income from Zodiac boat landings.

**Division of State Parks,  
Outdoor Recreation and Historic Sites**

**State Park Revenues and Expenditures**

Fiscal Year 1986-87

Island	Revenues	Total	Expenditures	Operating	Operating Cost Per Visit
			Capital Improvements		
Hawaii	\$ 72,662	\$1,651,131	\$ 895,120	\$ 756,011	14 <sup>e</sup>
Kahoolawe	—	—	—	—	—
Kauai	740,579	1,055,626	503,726	551,900	9 <sup>e</sup>
Maui	81,646	382,250	16,196	366,054	10 <sup>e</sup>
Molokai	—	33,672	9,955	23,717	13 <sup>e</sup>
Oahu <sup>1</sup>	283,807	4,521,880	1,814,507	2,707,373	64 <sup>e</sup>
	—	179,567f	55,360f	124,207f	—
Statewide <sup>2</sup>	—	40,976	40,976	—	—
	—	87,757f	87,757f	—	—
<hr/>					
TOTAL	\$1,178,694	\$7,685,535	\$3,280,480	\$4,405,052	23 <sup>e</sup>
	—	267,324f	143,117f	124,207f	—

**Program**

Historical &	\$ 250,481	\$2,338,319	\$1,395,661	\$ 942,658	\$1.44
Archaeological Places	—	87,757f	87,757f	—	—
Parks Recreation	928,213	4,814,400	1,884,685	2,929,715	15 <sup>e</sup>
	—	55,360f	55,360f	—	—
General Administration for	—	532,816	134	532,682 <sup>1</sup>	—
Culture and Recreation	—	124,207f	—	124,207f <sup>1</sup>	—
<hr/>					
TOTAL	\$1,178,694	\$7,685,535	\$3,280,480	\$4,405,055	—
	—	267,324f	143,117f	124,207f	—

**FOOTNOTES:**

*f Expenditure from federal grant funds.*

<sup>1</sup>*Includes Honolulu Administration Office.*

<sup>2</sup>*Projects of general statewide significance.*



Water  
Resources  
Management  
Program

Activities in water resources management include the collection of climatological and hydrological data, appraisal of surface and ground water resources, preparation of long-range plans, regulation of water development and use, protection of instream uses of water, and administration of the Soil and Water Conservation District program.

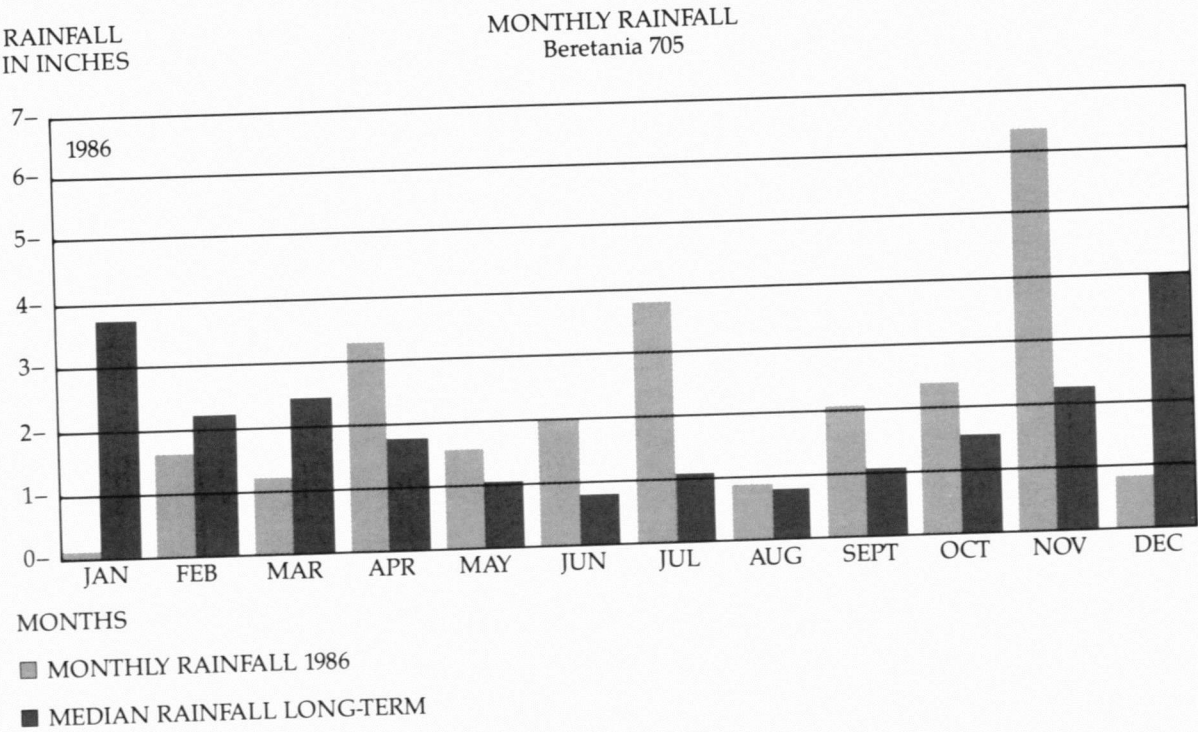
Basic Data  
Collection  
and Resource  
Assessment

The collection and dissemination of climate-related data—including rainfall, temperature, evaporation, wind, humidity, and solar radiation—continue to be a primary activity.

A rainfall atlas of Hawaii containing monthly and annual

rainfall maps was completed and published as Report R76. A computerized program has been initiated for presentation of monthly rainfall statistical data at selected stations. An example of a graphical product is presented below.

The cooperative program with the U.S. Geological Survey (USGS) to collect surface and ground water data was continued. The program provides basic data on streamflow, ground water withdrawals, and water quality. It also includes appraisals of the state's water resources to assess their characteristics and availability. Streamflow data were collected regularly from 85 measuring stations; low flows were measured periodically on



eight streams; flood discharges were obtained from 106 crest-stage gages; water levels, specific conductance, and chloride concentrations of ground water were measured at about 191 wells; and field measurements of specific conductance, temperature and pH of stream water were made at scheduled intervals. Data collected are published in the annual USGS report series, "Water Resources Data for Hawaii and Other Pacific Areas—Volume 1, Hawaii."

With the passage of a new State Water Code by the 1987 Legislature, the Division's basic data collection activities will have to be expanded, particularly in the gathering of both surface water use and ground water use data statewide.

**Water  
Resources  
Planning**

The Division's water resources planning activities continued with the review and revision of the State Water Resources Development Functional Plan, a critical link between the broad goals and objectives of the Hawaii State Plan and the specific water-related programs and projects carried out by the Department.

The review and revision process is a major undertaking intended to update functional plans to take into account current conditions and trends, new policy directions, and new areas of emphasis. The process includes public reviews of the plans

and will culminate in the submission of the revised plans to the Governor for his approval.

With the passage of the new State Water Code by the 1987 Legislature (Act 45), water resources planning activities in the Division will be broadened to include the coordination and development of a Hawaii Water Plan under a State Water Commission within the Department. Parts of the Water Plan will be developed by the State Department of Health, other affected State agencies, and each County.

**Regulation  
of Water  
Development  
and Use**

Regulatory activities continue to involve the processing of applications for development and use of ground water in the designated Pearl Harbor, Honolulu, and Waialua Ground Water Control Areas on Oahu. As applications for permits are received, they are recorded, reviewed in the field and office by technical personnel, and then forwarded to the Board of Land and Natural Resources for action.

The heavily drafted Pearl Harbor Ground Water Control Area (GWCA) continues to be closely monitored by the Division. By the end of 1987, a study commissioned by the Division is expected to be completed on a review of ground water conditions and a re-evaluation of the sustainable yield of the Pearl Harbor GWCA, particularly in the light of continued

intensified urban land development and a change from furrow irrigation to drip irrigation by Oahu Sugar Co.

The new State Water Code will require the Division to expand its regulatory activities to include not only ground water use, but also surface water use. Ground water and surface water uses will initially have to be certified and then continuously monitored and reported.

**Protection  
of Instream  
Uses**

The new State Water Code will also extend the Division's existing windward Oahu instream use regulatory activities to all streams in the state. All of the provisions of the Hawaii Instream Use Protection Act of 1982 have been included in the new State Water Code, enabling the Department to establish interim and permanent instream flow standards for streams, to regulate stream channel alterations, and to expand the collection of instream use data throughout the state.

The Water Code requires the Department to establish interim instream flow standards by specific dates: Windward Oahu—July 31, 1987; Kauai and East Maui—December 31, 1987; Hawaii and Molokai—July 1, 1988; and West Maui and Leeward Oahu—December 31, 1988. Development of these interim standards are underway.

The Division prepared interim instream flow standards for windward Oahu and held public informa-

**Administration  
of Soil  
and Water  
Conservation  
Districts**

tion meetings in Kaneohe and Hauula and met with windward Oahu farmers in July 1987. On July 30, 1987, the Board adopted interim instream flow standards for windward Oahu.

The Division also processed three applications for stream channel alterations in windward Oahu during 1987 for installation of a flood control structure, a channel lining, and a wildlife pond.

There are 15 Soil and Water Conservation Districts in Hawaii which play a major role in the conservation of the State's soil and water resources. The Division provides administrative services and support to the districts in their conservation planning efforts.

Each district is governed by five directors who plan and establish cooperative action programs for conservation, development, and management of soil and water resources within the district. In addition to encouraging and assisting land occupiers in implementing sound conservation practices, the districts serve to educate the general public about the conservation of resources through publications and demonstrations.

In an effort to reach the youth of Hawaii, the districts annually sponsor a Land Appreciation contest for students and youth organizations. The contest educates participants



	<p>about the different types of soil in Hawaii and how to incorporate this knowledge into wise conservation practices.</p>		
<b>Mineral Resources Program</b>	<p>The Mineral Resources Program during the year continued to focus on the designation and regulation of geothermal resource subzones (GRS) in areas of the state having geothermal potential and on conserving the State's supply of mineral resources.</p>	<b>Regulation of Geothermal Well Drilling</b>	<p>developer, True/Mid Pacific Co., plans to begin geothermal exploratory well drilling in 1988.</p> <p>The Department continues to regulate geothermal well drilling activities under existing laws and rules concerning exploration and development of geothermal resources. During the year, field inspections were conducted at all well sites to ensure compliance with the Department's rules governing geothermal well drilling. In addition, activities at the experimental HGP-A well and power plant facility continued to be monitored throughout the year.</p>
<b>Regulation of Geothermal Resource Subzones</b>	<p>The Division continued to regulate four geothermal resource subzones established in 1984 and 1985 by the Board of Land and Natural Resources—the Kapoho and Kamaili Subzones on the lower Kilauea East Rift and the Kilauea Middle East Rift Subzone, all in the Puna District of Hawaii, and the Haleakala Southwest Rift Subzone on the southern slopes of East Maui. In September 1985 the Board held a public hearing to consider a proposal to establish the Kilauea Southwest Rift Subzone in the Kau District.</p> <p>In the Kapoho Subzone, activities continue for the development of a 12½ megawatt geothermal power plant by Thermal Power Co., operator of a State mining lease. In the Kilauea Middle East Rift Subzone, Campbell Estate obtained a geothermal mining lease from the State in 1987. As a result, Campbell Estate's geothermal</p>	<b>Inventory of Mineral Production</b>	<p>As in past years, the Division canvassed mineral producers in the state and maintained an up-to-date file on mineral production data and mining activities. Field inspections were made of various rock and cinder quarries. Requests for information, technical data, and rock samples were handled on a routine basis.</p>
		<b>Flood Prevention and Control Program</b>	<p>Activities of the flood prevention and control program include managing the use of flood plains and coordinating government actions in flood prevention and control, dam safety inspections, and stream maintenance.</p>

**Flood  
Plain  
Management**

The Division continued flood plain management activities under grants from the Federal Emergency Management Agency, including conducting community assessment visits to the four counties in the State and informational meetings to increase public awareness of the National Flood Insurance Program.

**Coordination  
of Flood  
Control  
Projects**

The implementation of Federal, State, and County flood control projects in Hawaii is coordinated under this program. During the year, flood damage and stream maintenance problems were investigated, reports were prepared, and problems were referred to the property owners for final disposition, as specified by law.

**Coordination  
of Dam  
Safety  
Inspection**

The Hawaii Dam Safety Act of 1987 was passed by the 1987 session of the Legislature. The purpose of the Act is to protect the safety and welfare of the population living near certain dams by providing for the inspection and regulation of construction, operation, and removal of these dams when necessary, and the establishment of a State dam safety program.

The Act assigns the responsibility of administering the dam safety program to the Board of Land and Natural Resources. The Division, the responsible agency within the Department, held a Dam Safety Conference in August 1987 to discuss the new law and dam safety practices in other

**Coordination  
of Stream  
Maintenance**

states. Participants included dam owners, consulting engineers, and technical personnel from other interested government agencies.

The Division continued the implementation of the State's role as defined in Act 121, relating to maintenance of streams and drainageways, which was passed in the 1986 legislative session. The Act clarifies the responsibilities of the State, counties, and private owners for the maintenance of their respective streams. The State is also responsible to coordinate the resolution of maintenance problems for drainageways with multiple jurisdiction or of unknown ownership. Meetings with the respective Public Works Departments of the four counties have been held and will continue to be conducted to discuss the implementing provisions of Act 121.

**Exploratory  
Well Drilling  
Program**

The exploratory well drilling program, begun in 1961, has played a major role in the discovery of new ground water sources throughout the State. During the past 25 years, approximately 100 wells have been drilled, of which 65 produced fresh water and 21 produced brackish water. Most of the wells have been set aside to the county water departments for their use in providing municipal water. In 1987 five wells and five test holes were completed.

In central Molokai near Kualapuu



an 1100-foot deep well was successfully drilled and tested as a new potable water source for Maui County's Kaunakakai water system. Also, more water for the Molokai Irrigation System is being sought, with three exploratory wells being drilled in Waikolu Valley.

On Oahu, an 80-foot deep coastal well drilled in Makua Valley, Waianae, resulted in a brackish irrigation water source for a new State park.

In the Waimea area on Hawaii, the Division completed five 100 to 150-foot deep test holes in the Kohala Mountains in search of possible perched ground water sources. Low water-bearing andesitic lavas were encountered. At Puukapu, about 2.5 miles makai, a 1750-foot deep, 16-inch diameter exploratory well was successful in locating dike-confined ground water standing 1300 feet below ground surface. The well is scheduled to be tested soon and if results are successful, the well will serve as an emergency stand-by source for irrigation and domestic purposes during drought periods. In Hilo, the Piihonua exploratory well was successfully completed as a new potable water source and in the Puna District, the exploratory well at Olaa is still under construction.

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**Engineering  
Services  
Program**

Under the Engineering Services Program, the Division implements various water and land projects, such as the 1.0-million gallons per day (mgd) demonstration desalting plant, exploration for high-level ground water, and development of agricultural parks and facilities. Projects administered under this program are guided by the goals, objectives, and policies of the Hawaii State Plan.

In addition, the Division provides engineering services to other divisions within the Department. Projects handled under this subprogram include the development of water sources, park facilities, silvicultural facilities, aquatic facilities, and related miscellaneous structures.

Engineering plans and specifications are expected to be completed during 1987 for the construction of a 1.0 mgd demonstration desalting plant in the Ewa coastal plain area on Oahu. In the planning stage since 1985, the desalting plant will be used to demonstrate the application of desalting technology in Hawaii and to show that desalted brackish ground water is a feasible alternative source of drinking water. Two wells to provide brackish feed water from both a caprock aquifer and a basalt aquifer are already under construction.



The utility of the Puu Pulehu Reservoir, which provides supplemental water storage for the Waimea Irrigation System, is presently under review. The Division proposes to reshape the reservoir and install an impermeable lining to increase the reservoir's capacity and its operational efficiency. Engineering drawings are being prepared and construction work is scheduled to begin in mid-1988.

**Agricultural  
Park  
Development**

Three agricultural parks were under construction on Oahu at Kahuku, Waiahole and Waianae. These agricultural parks are part of the Department of Agriculture's program to utilize State lands for diversified agriculture and are being developed in cooperation with the Department of Land and Natural Resources.

**Water  
Development**

Nine projects to develop ground water throughout the state were under construction. These projects include the installation of pumps and controls to incorporate new well sources into various municipal and agricultural park water systems. In addition, major improvements were being made to our Waimanalo Irrigation System source and transmission facilities.

**State  
Parks  
Development**

Numerous projects were under construction to upgrade or expand State park facilities, including utilities such as water and sewerage systems (see accompanying table).

**Land  
Development**

One project to develop lands for public benefit was the transformation of State lands in Kona, Hawaii, into a marshalling yard for the consolidation and storage of fresh produce for transshipping to off-island markets.

**Irrigation  
Services  
Program**

The Department operates the Waimanalo Irrigation System on Oahu, the Waimea Irrigation System on Hawaii, and the Molokai Irrigation System on Molokai.

**Waimanalo  
Irrigation  
System**

During the year the Waimanalo Irrigation System served 116 farm lots and the University of Hawaii Agricultural Research Station. The total area served was 974 acres. Crops grown included banana, truck crops, corn, floral and foliage plants. Weather conditions were generally dry throughout the year with rainfall amounting to 56.64 inches. This year the system delivered 65,136,797 gallons of water compared to 76,896,866 gallons served last year.

The System's water collection and transmission facilities include four reservoirs, 12 miles of open ditches, and 52 wooden flumes. To provide a steady, adequate supply of water throughout the year, the water collection system in Maunawili Valley is being upgraded. Work is well underway and construction will be completed in late 1987. The replacement of old wooden flumes with ductile iron siphons will reduce

repair and maintenance work considerably.

Waimanalo Agricultural Park, Phase I, was opened during the year and tenants have begun clearing and grubbing the lots. Planting and harvesting of crops at four lots have already taken place.

Preliminary work has started on Phase II of the Waimanalo Agricultural Park project. This phase of the project entails the subdivision of about 70 acres of State-owned land into six agricultural lots ranging in size from six acres to 12 acres. Envisioned are banana farming and potted foliage nursery operations. Other possible uses would be the production of lei flowers, exotic ornamentals, and flowering ginger. Access roadways, domestic and irrigation water mains, and electrical power are to be provided.

**Waimea  
Irrigation  
System**

The Waimea Irrigation System has been in operation for 25 years. It originally served only 15 farmlots in the Lalamilo area. Today, the Waimea Irrigation System is providing irrigation water to farmlots in three sectors: Lalamilo, Puukapu, and Hawaiian Home Lands. During fiscal year 1986-87, 75 customers used 368,126,000 gallons of water to produce vegetables and flowers on 487 acres of cultivated land.

The Lalamilo sector, with 35 customers, used 300,588,000 gallons of water to produce vegetables and greenhouse flowers (roses and carnations) on 278 acres of land. During the year, the Lalamilo area received 26.6 inches of rainfall.

The Puukapu sector, with 16 customers, used 40,549,000 gallons of water to produce vegetable crops on 108 acres. In September 1986, eight more acres were added to an existing 100 acres of production. The year's rainfall in the Puukapu sector was 60.7 inches.

The Hawaiian Home Lands sector has 24 customers who used 26,989,000 gallons of water to produce vegetables and flowers on 101 acres. About 340 more acres have been subdivided into farmlots and leased. These new farmlots will become future customers of the Waimea Irrigation System. This sector is adjacent to the Puukapu sector and its climatic conditions are similar

During the year, there was ample rainfall in the Kohala Mountain watershed. At Alakahi, total rainfall measured 202.7 inches. Only five days of water restrictions were imposed.

**Molokai  
Irrigation  
System**

The Molokai Irrigation System serves a total of 4410 acres of diversified crops and pineapple. During the year, Del Monte Corp. announced that its pineapple operations would cease by the end of 1988 that no new fields would be planted during the year, and that its 2600 acres of remaining cultivated land would be phased-out gradually.

During the year, the Kualapuu area received 34.5 inches of rainfall. Water levels in Kualapuu Reservoir rose to an annual maximum of 40 feet on

June 3, 1987 because of high flows from the Waikolu Valley sources. The level of 40 feet was last recorded on August 15, 1977.

The major crops included water-melon, bell pepper, and sweet potatoes. Additional crops included onions, beans, sweet corn, cucumber, eggplant, tomatoes, papaya, pumpkin, squash, banana, lettuce, and herbs. Seed corn plantings served by the Irrigation System were relocated from the Kaunakakai area to the Naiwa and Palaau areas.

**Status of Construction Projects**

Job No.	Project	Contractor	Contract Amount	Contract Start Date	Contract Finish Date
<b>Agriculture</b>					
31-OA-I	Kahuku Agricultural Park	Haitsuka Brothers, Ltd.	\$2,154,741.40	1/12/87	4/13/88
44-OA-6	Waianae Agricultural Park	Highway Constr. Co., Ltd.	1,836,854.00	12/1/86	5/24/88
<b>Land</b>					
33-HL-L	Kona Marshalling Yard	Ho'Ohana A Hoa	172,758.00	12/15/86	5/15/87
62-MM-B	Improvements to Polipoli Access Road	Haitsuka Brothers, Ltd.	378,498.00	3/23/87	8/19/87
<b>Parks</b>					
5-OP-48	Reconstruction of Park Facilities, Waimanalo	Iwamoto Constr., Inc.	148,885.00	4/28/86	1/21/87
84-OP-B	Drilling of Makua Well (3213-07), Kaena Pt.	Roscoe Moss Co.	24,410.00	2/17/87	8/15/87
85-OP-E	Comfort Station, Malaekahana	Ralph S. Inouye Co., Ltd.	99,485.00	10/24/86	2/20/87
86-OP-F	Comfort Station, Waimanalo	Ralph S. Inouye Co., Ltd.	150,355.00	10/14/86	3/12/87
87-OP-G	Bay State Refurbish Makiki Envir. Ed. Ctr. Bldg., Tantalus	Richard K. W. Tom, Inc.	29,100.00	12/12/86	2/9/87
89-HP-A	Concession Facility, Hapuna	CAS, Ltd.	225,675.95	11/17/86	4/15/87
89-HP-G	Park Improvements, Kona Airport	Isemoto Contracting Co., Ltd.	509,000.00	11/10/86	6/7/87



**Status of Construction Projects** *(continued)*

<b>Job No.</b>	<b>Project</b>	<b>Contractor</b>	<b>Contract Amount</b>	<b>Contract Start Date</b>	<b>Contract Finish Date</b>
89-HP-J	Roadway & Parking, Lapakahi State Historical Park	Yamada and Sons, Inc.	60,928.00	11/10/86	2/7/87
91-HP-A	Park Improvements, Akaka Falls	Isemoto Contracting Co., Ltd.	58,540.00	11/17/86	3/16/87
91-HP-D	Reconstruction of Structures, Kalopa State Park	Arthur P. Hoefer	126,500.00	10/1/85	2/27/87
93-KP-G	Park Improvements, Waimea State Recreation Pier	Kauai Builders, Ltd.	104,682.45	10/20/86	9/4/87
94-KP-A	Comfort Station & Park Impr., Fern Grotto	George S. Rasmussen Constr. Co.	307,371.05	11/24/86	7/21/87
95-KP-A	Furnishing Sanitary Facility, Haena	Honson Co., Inc.	11,234.00	11/24/86	2/21/87
<b>Water</b>					
4-OW-29	Drilling Mililani-Mauka Monitor Well	Water Resources Int.	2,218,160.00	4/23/84	3/31/87
4-OW-D	Pump, Controls & Appurt. for Waianae Well (2810-02)	Ralph S. Inouye Co., Ltd.	1,475,304.75	1/15/87	1/15/88
4-OW-F	Maunawili Ditch Imp.	Royal Contr. Co., Ltd.	1,927,175.00	1/19/87	1/13/88
4-OW-L	Pump & Controls for Manoa Well (1948-01)	Ralph S. Inouye Co., Ltd.	422,233.00	1/15/87	10/22/87
12-KW-B	Kula Rice Lots Ditch	H. M. Construction, Inc.	29,560.00	10/6/86	1/26/87
35-9W-C	Drilling Waikolu Valley Expl. Wells (0855-04, 05, 06)	Roscoe Moss Co.	569,350.00	9/1/87	8/26/88
35-9W-F	Drilling Kualapuu Mauka Well (0801-03)	Roscoe Moss Co.	289,995.00	12/15/86	9/10/87
35-MW-E	Rehabilitation of Keanae Flume	Les Hirahara	13,417.00	10/6/86	1/3/87
22-HW-E	Drilling Piihonua Expl. Well No. 2 (4306-02)	Roscoe Moss Co.	114,460.00	11/10/86	6/7/87
42-HW-A	Olaa Station Well No. 3 (3603-01), Expl. Drilling	Hawaiian Island Drilling Co.	232,950.00	1/26/87	8/19/87
42-HW-B	Olaa Station No. 4, Resv. Replacement, Puna	M. Sonomura Contracting Co., Inc.	388,060.00	5/4/87	12/30/87
48-HW-A	Drilling Test Holes, S. Kohala	Hawaiian Island Drilling Co.	165,000.00	2/2/87	10/14/87
48-HW-B	Drilling S. Kohala Expl. Well	Water Resources Int.	919,575.00	1/19/87	1/13/88

**Water Sales—Waimanalo Irrigation System**

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<b>1986</b>					
July	7,203,398	974.032	\$2,435.21	\$ 648.31	\$ 3,083.52
August	8,897,228	974.032	2,435.21	800.75	3,235.96
September	8,940,729	974.032	2,435.21	804.65	3,239.86
October	4,940,479	974.032	2,435.21	444.63	2,879.84
November	2,398,150	974.032	2,435.21	215.82	2,651.03
December	2,749,215	974.032	2,435.21	247.41	2,682.62
<b>1987</b>					
January	3,187,410	974.032	2,435.21	318.73	2,753.94
February	3,053,708	974.032	2,435.21	305.37	2,740.58
March	8,073,138	974.032	2,435.21	807.33	3,242.54
April	4,674,561	974.032	2,435.21	467.45	2,902.66
May	4,735,253	974.032	2,435.21	473.52	2,908.73
June	6,283,528	974.032	2,435.21	628.35	3,063.56
<b>Total</b>	<b>65,136,797</b>			<b>\$6,162.32</b>	<b>\$35,384.84</b>

**Water Sales—Molokai Irrigation System**

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<b>1986</b>					
July	110,680,000	4,192	\$14,288.03	\$ 9,961.20	\$ 24,249.23
August	132,512,000	4,205	14,402.33	11,926.08	26,328.41
September	127,868,000	4,259	14,463.93	11,508.12	25,972.05
October	87,317,000	4,267	14,469.80	7,858.53	22,328.33
November	87,242,000	4,282	14,487.03	7,851.78	22,338.81
December	95,993,000	4,415	14,633.33	8,639.37	23,272.70
<b>1987</b>					
January	58,513,000	4,416	14,634.43	5,266.17	19,900.60
February	84,813,000	4,529	14,758.73	8,481.30	23,240.03
March	73,026,000	4,540	14,770.83	7,302.60	22,073.34
April	105,512,000	4,552	14,780.73	10,551.20	25,331.93
May	49,884,000	4,392	14,608.03	4,988.40	19,596.43
June	76,271,000	4,410	14,627.83	7,627.10	22,254.93
<b>Total</b>	<b>1,089,631,000</b>			<b>\$101,961.85</b>	<b>\$276,886.79</b>

**Water Sales—Waimea Irrigation System**

<b>Month</b>	<b>Water Sold (gallons)</b>	<b>Acreage Served</b>	<b>Service Charges</b>	<b>Water Charges</b>	<b>Total Charges</b>
<b>Lalamilo Sector</b>					
<b>1986</b>					
July	35,801,000	278	\$625.50	\$ 3,222.09	\$ 3,847.59
August	45,636,000	278	625.50	4,107.24	4,732.74
September	24,411,000	278	625.50	2,196.99	2,822.49
October	22,578,000	278	625.50	2,032.02	2,657.52
November	22,875,000	278	625.50	2,058.75	2,684.25
December	12,410,000	278	625.50	1,116.90	1,742.40
<b>1987</b>					
January	16,739,000	278	625.50	1,673.90	2,299.40
February	18,559,000	278	625.50	1,855.90	2,481.40
March	22,464,000	278	625.50	2,246.40	2,871.90
April	20,834,000	278	625.50	2,083.40	2,708.90
May	25,774,000	278	625.50	2,577.40	3,202.90
June	32,507,000	278	625.50	3,250.70	3,876.20
Subtotal	300,588,000			\$28,421.69	\$35,927.69
<b>Puukapu Sector</b>					
<b>1986</b>					
July	6,341,000	100	\$225.00	\$ 570.69	\$795.69
August	7,240,000	100	225.00	651.60	876.60
September	6,736,000	108	243.00	606.24	849.24
October	2,943,000	108	243.00	264.87	507.87
November	2,408,000	108	243.00	216.72	459.72
December	1,817,000	108	243.00	163.53	406.53
<b>1987</b>					
January	2,123,000	108	243.00	212.30	455.30
February	2,809,000	108	243.00	280.90	523.90
March	3,415,000	108	243.00	341.50	584.50
April	1,500,000	108	243.00	150.00	393.00
May	1,708,000	108	243.00	170.80	413.80
June	1,509,000	108	243.00	150.90	393.90
Subtotal	40,549,000			\$ 3,780.05	\$ 6,660.05



**Water Sales—Waimea Irrigation System** *(continued)*

**Hawaiian Home Lands Sector**

<b>1986</b>					
July	4,420,000	99	\$222.75	\$ 397.80	\$ 620.55
August	4,371,000	99	222.75	393.39	616.14
September	4,487,000	101	227.25	403.83	631.08
October	2,295,000	101	227.25	206.55	433.80
November	1,453,000	101	227.25	130.77	358.02
December	817,000	101	227.25	73.53	300.78
<b>1987</b>					
January	1,132,000	101	227.25	113.20	340.45
February	2,111,000	101	227.25	211.10	438.35
March	2,655,000	101	227.25	265.50	492.75
April	933,000	101	227.25	93.30	320.55
May	1,329,000	101	227.25	132.90	360.15
June	986,000	101	227.25	98.60	325.85
Subtotal	26,989,000			\$ 2,520.47	\$ 5,238.47
<b>Total</b>	<b>368,126,000</b>			<b>\$34,722.21</b>	<b>\$47,826.21</b>

**Division of Conservation  
and Resources Enforcement**

**Staffing**

The enforcement program is allocated 68 positions statewide of which 61 are enforcement officers.

The number of enforcement officers was increased to 72 when the 1987 Legislature approved funding for 11 new officer positions.

**Volunteer  
Programs**

The division manages two volunteer programs (Volunteer Conservation and Resources Enforcement and Volunteer Hunter Safety Education) which provide invaluable services to the public. The volunteers in these two programs serve without monetary compensation or consid-

eration and represent the department professionally.

There are 36 volunteer conservation and resources enforcement officers statewide who contributed a total of 3,098 hours during Fiscal Year 1986-87. These hours involved patrol of areas where various activities are monitored to ensure compliance of the department's laws and rules, contact with the public or resource users, classroom presentations to school groups and clubs, attendance at training classes conducted by the division, and assistance to regular

commissioned officers in different operations or hunting and fishing seasons.

The 46 volunteer Hunter Safety Instructors statewide contributed a total of 1,066 hours in providing classroom instruction and services which included maintaining information booths at gun shows and conducting hunting seminars. Most of these activities were conducted during the weekends and night hours which did not conflict with the volunteers' normal commitments (work, etc.).

**Training**

Throughout the year, in-service training sessions were conducted for the regular staff and volunteer officers. This training included firearms qualifications, civil and criminal liability, firearms safety in the home and the use of force. Other sessions included reviewing new laws and rules, arrest, search and seizure, and the administrative procedures act. All officers were re-qualified on CPR and First Aid.

Basic Conservation Enforcement training sessions were held on Hawaii and Maui for newly recruited volunteer officers. Each group received 40 hours of classroom training and qualified on the issued firearms. The volunteers are now undergoing one year of on-the-job training.

Officers assigned to the specialized

enforcement unit completed special training in patrol and apprehension of marijuana growers. The training was sponsored by DOCARE with the assistance of the National Narcotics Border Interdiction System office and the United States Army.

Important instructor development sessions completed during the year include recertification of all firearms instructors on Maui; certification for the division investigator in Special Investigative Techniques at the Federal Law Enforcement Training Center in Glynco, Georgia; and the Chief of Support Services in Effective Volunteer Management at the Volunteer Management Workshop conducted by the United States Fish and Wildlife Service and North American Association of Hunter Safety Coordinators in Reno, Nevada.

**Public  
Information  
and Education**

The division provides information and education services as part of the enforcement program.

In providing information, posters identifying certain marine animals and the closed season periods, and a digest booklet of the fishing laws and rules are distributed through DOCARE's offices and by the enforcement officers at various fish markets, sporting good stores, and boat ramps. The digest booklet lists restrictions on size and harvest methods of marine life, the legal size of various

nets and traps, and the location of fish aggregating devices and marine life conservation districts. It also covers freshwater fishing at the Wahiawa Public Fishing Area on Oahu, the Waiakea Public Fishing Area on Hawaii, and the Kokee Public Fishing Area on Kauai.

Newspaper agencies, radio stations, and television stations were contacted for various press releases which included open and closed seasons on fish and wildlife and schedules of hunter safety education classes.

Information booths were also established at Gun Shows reflecting the Hunter Safety Education Program.

DOCARE officers appeared before various schools, youth and community organizations, the Hunter Safety Education classes, and even summer work crews on Lanai. At these appearances, the officers' presentations covered their enforcement authority and responsibilities, and the identification and explanation of the laws and rules enforced.

Various county police departments requested the appearance of DOCARE officers to participate and conduct presentations at their recruit training classes. DOCARE officers presented their enforcement role and responsibilities, as well as coordination with the respective police departments.

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### **Hunter Safety Education**

The Hunter Safety Education Program administered by DOCARE functions under one hunter safety coordinator with a staff of 46 volunteer hunter safety education instructors.

These volunteer instructors contributed a total of 1,066 hours of classroom instruction and services in teaching and certifying 276 students for successfully completing the hunter safety education class.

Besides serving as instructors, these volunteers contribute their services at various gun shows by manning information booths and also recruiting students to attend the hunter safety education classes.

During this fiscal year, two seminars were coordinated by the Hunter Safety Program in conjunction with the bird hunting and axis deer hunting season. The seminars attracted a total of 229 people to hear the wildlife biologist relate to the attendees on the wildlife management program and the enforcement officers explaining the rules and laws pertaining to bird and axis deer hunting.

DOCARE officers investigated a total of 1,196 complaints during fiscal year 1986-87. These complaints involved fishing, hunting, forest reserves, state parks, natural area reserves, conservation districts, and other miscellaneous activities.

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### **Investigation and Enforcement**



The officers input into these investigations amounted to a total of 3,100.25 hours.

Some of the activities with which the officers were involved were searches for missing hikers, one of which resulted in recovering a victim who had fallen off a ridge and died from injuries sustained from the fall. On a more pleasant and fortunate rescue, two teenage boys were located unhurt after spending a night lost in a forest reserve.

The officers assisted hikers and campers in the Na Pali area on Kauai who sustained foot injuries and over-exposure to the sun. Other involvement by the officers included assisting with forest fires, the Hawaii Civil Defense and Hawaii County Police in areas affected by the flow of lava on the island of Hawaii, and in a plane crash in Poomau Canyon on Kauai.

The Division, in cooperation with the respective county police departments and the Federal Drug Enforcement Administration continued in the combat against the cultivation of marijuana on State lands. "Green Harvest" and other marijuana eradication operations were conducted, some of which resulted in arrests for Promoting Detrimental Drugs.

#### **Auction of Confiscated Gear and Equipment**

As required by the Hawaii Revised Statutes, confiscated legal hunting and fishing gear and other equipment were sold at public auction in the judicial circuit where they were seized. The auctions were held in June on Hawaii, Maui, Lanai, Molokai, Kauai and Oahu.

Among the items auctioned were .22 caliber rifles, 30-30 caliber rifles, .223 caliber rifles, hunting knives, fishing spears, thrownets and gill nets.

#### *HAWAII*

- One (1) .22 caliber Westernfield rifle  
Model #M822 with Simmons 4 x 15 scope
- One (1) 10-inch straight blade knife
- One (1) 6-inch K. C. Seelbach knife
- One (1) 7-inch Gerber knife with sharpener and leather case
- One (1) 9½ inch knife with white handle
- One (1) 5-inch knife with white handle
- One (1) 12-inch diameter wicker basket

#### *MAUI*

- One (1) nylon lobster net, 5-inch mesh, approximately 80 feet in length and 3 feet in height
- One (1) wetsuit, top portion, x-large; "Splendive" dive mask; one pair swim fins; nylon mesh bag with clamp; 6-ft. three prong spear

One (1) monofilament 1½-inch mesh  
thrownet

One (1) J. C. Higgins .22 caliber bolt  
action rifle, Model 10313; no serial  
number

One (1) Glenfield .22 caliber rifle;  
serial number 22479619

One (1) J. C. Higgins .22 caliber rifle;  
serial number 2094577

One (1) Winchester 30-30 caliber rifle;  
Model 94, serial number 3829865,  
five unspent 30-30 caliber  
cartridges

#### *LANAI*

One (1) plastic buoy; galvanized ½  
inch chain, approximately 138 feet  
in length; nylon rope ½-inch,  
approximately 10 feet in length;  
anchor approximately 250 pounds  
in weight

One (1) gill net, 1½-inch mesh,  
approximately 150 feet in length,  
4 feet in height

One (1) monofilament 1½-inch  
thrownet

#### *MOLOKAI*

One (1) spotlight with approximately  
15 feet in length electrical cord

One (1) spotlight with approximately  
24 feet length electrical cord with  
alligator clips

One (1) Everready 2-cell flashlight,  
orange in color

One (1) Everready 3-cell flashlight,  
chrome in color

One (1) 4-inch pocket knife, Case XX

One (1) 3½-inch pocket knife, black  
colored buck case, green belt

One (1) Green web type belt with  
two red-colored plastic ammo  
holders and 18 unspent 30-30  
caliber cartridges

Two (2) 30 rounds Mini-14 magazine  
clip with 42 unspent .223 caliber  
soft point cartridges

One (1) Winchester .22 caliber semi-  
automatic rifle, Model 190; Weaver  
4x scope; Serial Number B2016731;  
48 unspent .22 caliber cartridges

One (1) Marlin 30-30 caliber lever  
action rifle; Model 336; Serial  
Number 24033449

One (1) Winchester 30-30 caliber level  
action rifle; Model 94; Serial  
Number 2890577; 10 unspent .30-30  
caliber cartridges

One (1) marlin 30-30 caliber rifle;  
Model 336; Serial Number  
251840019; 8 unspent .30-30 caliber  
cartridges

One (1) Winchester .30-06 caliber bolt  
action rifle; Model 54; Serial  
Number 35467A; 10 unspent .30-06  
caliber cartridges; no rear sight  
blade

One (1) monofilament 1½ mesh  
thrownet

#### *KAUAI*

One (1) Ruger Mini-14 .223 caliber  
semi-automatic rifle; Serial  
Number 181-08858

One (1) Harrington and Richardson  
30-30 caliber single shot rifle; Serial  
Number AP205829

One (1) Winchester .30-30 caliber  
lever action rifle; Model 94; Serial  
Number 4187906

*OAHU*

One (1) Seahorse Hawaiian sling  
aluminum spear, 7 ft., 3-prong;  
One (1) snorkel; One (1) diving  
mask; One (1) National rubber  
flashlight; One (1) pair swim fins,  
black

One (1) Hawaiian sling, fiberglass,  
3-prong, 65-inch spear; One (1)  
pair swim fins, black; One (1)  
national rubber flashlight; One (1)  
Widevision diving mask; One (1)  
snorkel, black

One (1) Hawaiian sling aluminum,  
3-prong, 6-ft. spear

One (1) steel one-prong, 4-foot spear  
with Hawaiian sling wood handle

One (1) monofilament gill net, net is  
150 ft. long x 7 ft. wide x 2-inch  
mesh

One (1) monofilament gill net, net is  
150 ft. long x 7 ft. wide x 2-inch  
mesh

One (1) monofilament gill net, net is  
150 ft. long x 7 ft. wide x 2-inch  
mesh

One (1) monofilament gill net, net is  
100 ft. long x 6 ft. wide x 2½-inch  
mesh

One (1) monofilament gill net, net is  
100 ft. long x 6 ft. wide x 2½-inch  
mesh

One (1) nylon gill net, 75 ft. long x  
5 ft. wide x 2½-inch mesh

One (1) monofilament thrownet,  
10 ft. x 2-inch mesh

One (1) nylon thrownet, 10½ ft. x  
2-inch mesh

One (1) Crossman air rifle, Ser.  
#979211688

One (1) Marlin, Glenfield Cal. 30-30  
rifle, Mod. 30, Serial No. 89-87653;  
Four (4) 30-30 bullets; One (1)  
hunting knife, 18" blade with  
leather case

One (1) buck knife, Mod. #112,  
2½-inch blade with case

One (1) six-cell flashlight, rubber  
covered, yellow color



**Division of Conservation & Resources Enforcement**

**Annual Report 1986-1987**

**Citations, Penal Summons, Arrests and Dispositions**

Island	No. of Citations	No. of P/Sum.	No. of Arrest	No. of Charges	Bail Forfeiture	Cases Pending
Hawaii	60 Parking 114		8	122	\$ 100	92
Maui (Lanai & Molokai)	196	4	76	276	\$ 600	240
Kauai	44 Parking 137		6	143	\$ 300	106
Oahu	341 Parking 158		1	159	\$ 100	156
TOTAL	605 445 Parking	4	91	700	\$1,100	594

**Citations, Penal Summons, Arrests & Dispositions (continued)**

Island	Cases Dismissed	Convictions	Fines	Suspended Fines
Hawaii		34	\$ 485	1 (15 susp. 6 mos.) 3 (25 susp. 6 mos.) 1 (50 susp. 2 mos.) 1 (35 susp. 30 days) 1 (25)
Maui (Lanai & Molokai)	2	22	\$ 745	
Kauai	5	23	\$1,575	
Oahu		1	\$ 25	
TOTAL	7	80	\$2,830/8 hr. Comm. Ser.	\$25 susp. \$90 susp. 6 mos. \$50 susp. 2 mos. \$35 susp. 30 days

**Disposition of Pending Cases** *(continued)*

<b>Island</b>	<b>Split Fines Fines/S-Fines</b>
Hawaii	1 (150/25 susp. 6 mos.)
	1 (Fine susp. 30 days; special contributions \$25)
	1 (30 susp. 60 days; special contribution \$16)
	1 (100/75 susp. 1 yr.)
	8 (100/50 susp. 1 yr./16 hrs. Comm. Ser.)
	1 (100/50 susp. 6 mos.)
	1 (100/50 susp. 1 yr.)
Maui (Lanai	2 (100/10 days jail susp. 6 mos./30 hrs. Comm. Ser.)
& Molokai)	1 (25/10 days jail susp. 6 mos.)
	1 (75/10 days jail susp. 6 mos.)
	1 (150/10 days jail susp.)
	2 (300/200 susp.; 30 days jail susp. 6 mos.)
	1 (500/400 susp.; 30 days jail susp.)
	1 (500/350 susp. 6 mos.; 30 days jail susp., 6 mos.; 10 hrs. Comm. Ser.)
	4 (500/450 susp. 6 mos.; 30 days jail susp. 6 mos.)
	5 (500/400 susp. 6 mos.)
	1 (500/450 susp. 6 mos.; \$50 species taken)
	2 (500/350 susp. 30 days jail susp. 6 mos.; \$25 species taken)
	3 (500/350 susp. 6 mos.; 30 days jail susp. 6 mos.; 19 hrs. Comm. Ser.; \$1,000 species taken)
	2 (500/400 susp. 1 yr.; 1 yr. susp.; 30 days jail susp. 1 yr.)
	1 (500/450 susp. 6 mos.; 30 days jail susp. 6 mos.; 50 hrs. Comm. Ser.)
	1 (500/450 susp. 6 mos.; 30 days jail susp. 6 mos.; 50 hrs. Comm. Ser. \$175 Fine)
	1 (500/450 susp. 6 mos.; 30 days jail susp. 1 yr.)
	1 (500/450 susp. 6 mos.; 8 hrs. Comm. Ser.)
	1 (500/450 susp.; 30 days jail susp. 6 mos.)
	1 (500/400 susp.; 6 mos. susp.; \$150 Fine)
	1 (100/50 susp.)
	2 (50/10 days jail susp.)
	1 (100/10 days jail susp. 6 mos.)
	1 (1,000/500 susp. 6 mos./6 mos. jail susp. 1 yr./150 hrs. Comm. Ser.)
	1 (100/25 susp. 6 mos./10 days jail susp. 10 days/15 hrs. Comm. Ser./\$25 add. Fine)
	1 (100/50 susp. 6 mos./30 days jail susp. 6 mos./15 hrs. Comm. Ser.)
	1 (200/25 susp. 6 mos./30 days jail susp. 6 mos./15 hrs. Comm. Ser.)
	1 (500/400 susp. 6 mos./30 days jail susp. 6 mos./5 hrs. Comm. Ser.)
	1 (500/450 susp. 6 mos./16 hrs. Comm. Ser.)
	1 (50/25 susp. 6 mos.)
	1 (50/30 susp. 6 mos.)
	1 (50/6 mos. probation)

**Disposition of Pending Cases** *(continued)*

<b>Island</b>	<b>Split Fines Fines/S-Fines</b>
Kauai	1 (200/150 susp. 6 mos.)
	1 (500/500 susp. 6 mos./30 days jail susp. 6 mos./25 hrs. Comm. Ser./\$25 for specimen)
	2 (500/475 susp. 6 mos./30 days jail susp. 6 mos./35 hrs. Comm. Ser./\$75 for specimen)
	3 (500/400 susp. 1 yr./30 days jail susp./1 yr./25 hrs. Comm. Ser.)
	3 (250/175 susp. 6 mos.)
	1 (200/150 susp. 1 yr.)
	1 (250/150 susp. 1 yr.)
	1 (500/250 susp.; Hunting License susp. 1 yr.)
	2 (100/75 susp. 6 mos.)
	1 (150/50 susp. 6 mos.)
Oahu	1 (200/175 susp. 6 mos.)
	1 (200/100 susp. 6 mos.)
	1 (500/50 susp. 6 mos.)
	1 (50/S/S 6 mos.)
	1 /25/S/S 12 mos.)
	3 (25/S/S 6 mos.)
TOTAL	1 (150/25 susp. 6 mos.)
	1 (Fine susp. 30 days; special contribution \$25)
	1 (30 susp. 60 days; special contribution \$16)
	1 (100/75 susp. 1 yr.)
	8 (100/50 susp. 1 yr./16 hrs. Comm. Ser.)
	1 (100/50 susp. 6 mos.)
	1 (100/50 susp. 1 yr.)
	2 (100/10 days jail susp. 6 mos./30 hrs. Comm. Ser.)
	1 (25/10 days jail susp. 6 mos.)
	1 (75/10 days jail susp. 6 mos.)
	1 (150/10 days jail susp.)
	2 (300/200 susp.; 30 days jail susp. 6 mos.)
	1 (500/400 susp.; 30 days jail susp.)
	1 (500/350 susp. 6 mos.; 30 days jail susp. 6 mos.; 10 hrs. Comm. Ser.)
	4 (500/450 susp. 6 mos.; 30 days jail susp. 6 mos.)
	5 (500/400 susp. 6 mos.)
	1 (500/450 susp. 6 mos.; \$50 species taken)
	2 (500/350 susp. 30 days jail susp.; 6 mos.; \$25 species taken)
	3 (500/350 susp. 6 mos.; 30 days jail susp. 6 mos.; 19 hrs. Comm. Ser.; \$1,000 species taken)
	2 (500/400 susp. 1 yr. susp.; 30 days jail susp. 1 yr.)
	1 (500/450 susp. 6 mos.; 30 days jail susp. 6 mos.; 50 hrs. Comm. Serv.)



Disposition of Pending Cases *(continued)*

Island	Split Fines Fines/S-Fines
TOTALS	1 (500/450 susp. 6 mos.; 30 days jail susp. 6 mos.; 50 hrs. Comm. Ser./\$175 Fine) 1 (500/450 susp. 6 mos.; 30 days jail susp. 1 yr.) 1 (500/450 susp. 6 mos.; 8 hrs. Comm. Ser.) 1 (500/450 susp., 30 days jail susp. 6 mos.) 1 (500/400 susp., 6 mos. susp.; \$150 Fine) 1 (100/50 susp.) 2 (50/10 days jail susp.) 1 (100/10 days jail susp. 6 mos.) 1 (1,000/500 susp. 6 mos./6 mos. jail susp. 1 yr./150 hrs. Comm. Ser.) 1 (100/25 susp. 6 mos./10 days jail susp. 10 days/15 hrs. Comm. Ser./\$25 add. Fine) 1 (100/50 susp. 6 mos./30 days jail susp. 6 mos. 15 hrs. Comm. Ser.) 1 (200/25 susp. 6 mos./30 days jail susp. 6 mos./15 hrs. Comm. Ser.) 1 (500/400 susp. 6 mos./30 days jail susp. 6 mos./5 hrs. Comm. Ser.) 1 (500/450 susp. 6 mos./16 hrs. Comm. Ser.) 1 (50/25 susp. 6 mos.) 1 (50/30 susp. 6 mos.) 1 (50/60 mos. probation) 1 (200/150 susp. 6 mos.) 1 (500/500 susp. 6 mos./30 days jail susp. 6 mos./25 hrs. Comm. Ser./\$25 for specimen) 2 (500/475 susp. 6 mos./30 days jail susp. 6 mos./35 hrs. Comm. Ser./\$75 for specimen) 3 (500/400 susp. 1 yr./30 days jail susp. 1 yr./25 hrs. Comm. Ser.) 3 (250/175 susp. 6 mos.) 1 (200/150 susp. 1 yr.) 1 (250/150 susp. 1 yr.) 1 (500/250 susp.; Hunting License suspended 1 yr.) 2 (100/75 susp. 6 mos.) 1 (150/50 susp. 6 mos.) 1 (200/175 susp. 6 mos.) 1 (200/100 susp. 6 mos.) 1 (500/50 susp. 6 mos.) 1 (50/S/S 6 mos.) 1 (25/S/S 12 mos.) 3 (25/S/S 6 mos.)

**Disposition of Pending Cases** *(continued)*

<b>Island</b>	<b>Suspended Sentence</b>
Hawaii	7 (6 mos. probation) 5 (DAGP 1 yr.) 7 (DAGP 1 yr./\$25 special contribution) 2 (6 mos. probation) 2 (S/S) 1 (10 days probation) 3 (30 days probation) 1 (60 days probation)
Maui (Lanai & Molokai)	1 (30 days jail/serve 17 days; release to psychological treatment) 5 (S/S 6 mos.) 1 (sentence deferred to 11/17/87) 1 (500 susp. 6 mos.; 30 days jail susp. 6 mos./\$25 Fine) 1 (500 susp. 6 mos.; 30 days jail susp. 6 mos./50 hrs. Comm. Ser.) 1 (500 susp. 6 mos.; 30 days jail susp. 6 mos./25 hrs. Comm. Ser.)
Kauai	1 (S/S 1 week) 1 (S/S 1 day/\$25 court cost) 1 (35 hrs. Comm. Ser.) 1 (S/S) 1 (6 mos.) 7 (30 days) 1 (1 day) 2 (S/S 1 yr.) 1 (S/S 3 mos.) 2 (S/S 1 month) 2 (30 days jail/23 days susp. 6 mos.) 1 (DAG 6 mos./\$75 contribution)
Oahu	1 (S/S 3 mos.) 3 (5 hrs. Comm. Ser.) 1 (15 hrs. Comm. Ser.) 1 (S/S 30 days)
TOTAL	7 (6 mos. probation) 5 (DAGP 1 yr.) 7 (DAGP 1 yr./\$25 special contribution) 2 (6 mos. probation) 3 (S/S) 1 (10 days probation) 3 (30 days probation)

Disposition of Pending Cases (continued)

Island	Suspended Sentence
	1 (60 days probation)
	1 (30 days jail/serve 17 days; release to psychological treatment)
	5 (S/S 6 mos.)
	1 (sentence deferred to 11/17/87)
	1 (500 susp. 6 mos.; 30 days jail susp. 6 mos./\$25 Fine)
	1 (500 susp. 6 mos./30 days jail susp. 6 mos./50 hrs. Comm. Ser.)
	1 (500 susp. 6 mos./30 days jail susp. 6 mos./25 hrs. Comm. Ser.)
	1 (S/S 1 week)
	1 (S/S 1 day/\$25 court cost)
	1 (35 hrs. Comm. Ser.)
	1 (6 mos.)
	7 (30 days)
	1 (1 day)
	2 (S/S 1 yr.)
	2 (S/S 3 mos.)
	2 (S/S 1 month)
	2 (30 days jail/23 days susp. 6 mos.)
	1 (DAG 6 mos./\$75 contribution)
	3 (5 hrs. Comm. Ser.)
	1 (15 hrs. Comm. Ser.)
	1 (S/S 30 days)
Field Activities	Number
Patrols and Investigations:	
Vehicle (Miles)	738,264.00
Foot (Miles)	3,969.30
Boat (Miles)	1,403.50
Horseback (Miles)	89.00
Swimming (Miles)	94.00
Stakeouts	226.00
Stakeout (Hours)	781.40



**Division of Conservation  
and Resources Enforcement**

<b>Field Contacts Made</b>	<b>Actual</b>	<b>Citations</b>	<b>Arrests</b>	<b>Warnings</b>
Commercial fishermen	2,907	12	—	9
Marine sport fishermen	29,988	84	5	149
Freshwater fishermen	2,511	13	—	22
Hunters	5,658	74	7	119
Fish & wildlife resource users	2,831	—	—	9
State parks users	73,780	98	7	1,609
Forestry users	5,465	10	—	69
Wildlife sanctuary	89	4	—	8
Natural area reserves	147	1	—	1
MLCD	546	2	—	1
Land Management	295	—	—	—

<b>Inspections Made</b>	<b>Number</b>	<b>Citations</b>	<b>Arrests</b>	<b>Warnings</b>
Commercial fishing crafts	902	5	—	3
Sport fishing crafts	1,651	1	—	3
Saltwater fishermen	14,490	115	1	237
Freshwater fishermen	3,048	5	—	19
Hunters	5,187	88	4	162
Fish markets	2,762	9	—	20
Fish peddlers	179	2	—	—
License agents	155	—	—	—
Aquarium fish facility	86	—	—	1
State Parks	11,119	102	27	572
Forest reserves	3,027	4	—	33
Tea houses/restaurants	87	1	—	—
Firearms	1	1	—	—
Wildlife sanctuary	240	—	—	1
Marine life cons. district	1,045	5	9	—
NARS	269	7	—	5
Land Management	100	—	—	5
Maui Municipal Code	2	2	—	—

<b>Public Information</b>	<b>Number</b>
Talks made to groups	37
Printed informational material	1,126

<b>Complaints and Investigations</b>	<b>Number</b>	<b>Hours</b>
Fishing	336	652.40
Hunting	122	381.50
Forestry	62	166.25
State Parks	304	1,031.75
DLNR Regulation No. 4	157	445.25
Miscellaneous	215	423.00

### **Citations and Arrests**

<b>Type of Violations</b>	<b>Number</b>
<b>Fishing</b>	
Unlawful fishing with firearms or spear (speared lobster)	19
Fishing with fine mesh net	31
No commercial fishing license	11
Prohibited activities (Papio less than 7 ")	4
Fishing without Freshwater fishing license	6
Restrictions/bag limits—Wahiawa PFA	2
Prohibited activity—Hanauma Bay (fishing)	1
Fishing with electronic devices	2
Crustacean with eggs (Spiny Lobster)	4
Unlawful taking/possession Mullet during closed season	17
Unlawful sale of Mullet during closed season	1
Spiny Lobster (undersize)	7
Possession of fine mesh thrownet	17
Prohibited activities—Kahului Harbor (net fishing in restricted area)	7
Possession of undersize Opihi	19
Prohibited use of boat (Wailoa Pond)	1
Boating Waiakea Pond after hours (after 7:30 pm)	3
Possession undersize Samoan Crab less than 6 "	3
Fossil fuel motor in prohibited area (Wailoa Pond)	2
Receipts in duplicate	1
Prohibited activities (swimming in Waiakea PFA)	1
Prohibition on taking of undersize octopus (less than one pound)	30
Prohibited activity—Waikiki/Diamond Head F.M.A. (spearfishing)	3
Prohibited activity—Waikiki/Diamond Head F.M.A. (netting)	1
Failure to submit Fish Dealer's Report	5
Fish aggregating devices (tying boat to FAO, AA Buoy Pt. Allen, Kauai)	1
Sale or offer of sale of fish/minimum size (Papio)	2
Prohibited activities—Manele/Hulopoe MLCD (taking marine life)	2
Fishing with fine mesh trap	2

### **Citations and Arrests**

<b>Type of Violations</b>	<b>Number</b>
Possession of Oama over (50) bag limit	2
Minimum size of fish (dealer in possession of Kona Crab less than 4")	4
Sale or offer of sale of fish minimum size (Opakapaka less than 1 lb.)	1
Failure to submit Fish Catch Report	1
Minimum size of fish (Kona Crab less than 4" in length)	4
Fishing in prohibited area	1
Moi and Moi-lii and Oama (possession of more than 15 Moi)	1
Prohibited activities—Molokini Shoal MLCD (taking marine life)	2
Restrictions on netting of Akule	1
Taking bait fish without license	1
Possession of crustacean closed season (Spiny Lobster)	6
Restrictions on taking/poss./sale of Spiny Lobster (mutilated)	1
Prohibited netting Wailuku River	1
Possession of threatened species (Green Turtle)	3
No bait fish permit	2
Prohibited activities—over bag limit—Mullet (Wailoa)	1
Ogo (over 1 pound limit)	2
Prohibited taking/poss./sale of clams (possession)	2
Prohibited crabbing with crab nets (Waiakea)	1
Prohibited activity—Wahiawa PFA (spearfishing)	2
<b>TOTAL FISHING VIOLATIONS</b>	<b>244</b>

### **Hunting**

Hunting license required	34
Conditions & restrictions (no orange colored garment)	18
Conditions & restrictions (preserve game for identification)	1
Conditions & restrictions (hunting in safety zone)	1
Conditions & restrictions (prohibited hunting certain game birds (Homing Pigeon)	1
Conditions & restrictions (removing live game bird from GMA)	1
Hunting on private land prohibited	1
Use of tags (Lanai Deer hunt)	7
Prohibited hunting (remain on public lands to hunt without permit)	6
Prohibited hunting (hunting game mammal—Goat without permit)	1
Safety zone (possession firearm zone)	9
Safety zone	1
Use of tags	10
No entry permit	8
Prohibited hunting (hunting Blacktail Deer out of season)	2



**Citations and Arrests**

<b>Type of Violation</b>	<b>Number</b>
Conditions & restrictions (failure to check in/out)	4
Unlawful taking game mammal (closed season)	11
Prohibited hunting (non-hunting day)	5
Prohibited hunting (hunting deer without permit)	1
Failure to carry/display Hunting license	7
Conditions & restrictions (possession of loaded firearm in vehicle)	5
Possession of full metal jacket ammunition	1
Unlawful night hunting	3
Unlawful hunting deer with artificial light	5
Firearms in archery area	3
Dogs in prohibited area	3
Conditions & restrictions (hunting with rifle less than 1200 ft./lbs. muzzle energy)	1
Bag limits, open seasons, and hunting days (hunting with dogs in area closed to dogs)	1
Licenses, display thereof (refusal to permit inspection of pack bag)	2
Bag limits, open seasons and hunting days (hunting goats closed season)	2

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<b>TOTAL HUNTING VIOLATIONS</b>	<b>155</b>
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**Wildlife**

Prohibited entry—Manana Island	4
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<b>TOTAL WILDLIFE VIOLATIONS</b>	<b>4</b>
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**State Parks**

Prohibited nudity in state parks	40
Closed area—Magic Island	55
Violation of permit conditions (camping without permit)	47
Possession of air rifle (pellet)	1
Driving on grass	14
Bringing home trash into state park	2
Failure to abide by provisions of permit (camping in non-camping area)	4
Closed area—Honolulu Stadium Park	7
Prohibited commercial solicitation in state park (selling soda—Magic Island)	1
Animals prohibited in state park (dogs—Wailua State Park)	4
Residence on premises (temporary residence without permit)	6
Vehicle and motorized bike operation (3 wheeler on beach)	3
Intoxication, drug incapacitation (poss. marijuana—Kokee)	2
Firearms, other weapons	2
Possession of alcohol	13

**Citations and Arrests**

<b>Type of Violations</b>	<b>Number</b>
Reckless operation of motor vehicle	6
Abandoning property in state park	3
Prohibited operation of vehicle off road	10
Prohibited fishing (Wailoa) from bridge	2
Violation of special use permit (utilizing wrong location)	1
Prohibited commercial solicitation in state park	3
Animals prohibited in state park (dogs—Kaimualii State Park)	1
Fishing in restricted area—Lydgate State Park	1
Commercial photography without permit	1
Closed area (Waimanalo State Park)	1
Special use permit (no day use permit—Kalalau)	2
<b>TOTAL STATE PARKS VIOLATIONS</b>	<b>232</b>
<b>Forestry</b>	
Collecting forest items without permit (Hapuu)	4
Collecting forest items without permit (Maile)	2
Litter and sanitation (litter and body waste in forest reserve)	1
Camping without a permit in forest reserve	2
Prohibited fire in forest reserve	1
Prohibited operation of vehicle in forest reserve	1
Residence on state forest lands without permit	2
<b>TOTAL FORESTRY VIOLATIONS</b>	<b>13</b>
<b>Firearms</b>	
Place to keep firearms	6
Permit to acquire	2
Unregistered firearm	1
Firearms forfeited	1
Restrictions on firearm (minor to be with adult)	1
<b>TOTAL FIREARM VIOLATIONS</b>	<b>11</b>

### Citations and Arrests

Type of Violations	Number
<b>Natural Area Reserves</b>	
Prohibited activities in Ahihi-Kinau (marine lava)	11
Prohibited activities in Ahihi-Kinau (taking lava)	3
Prohibited activities in Ahihi-Kinau (motorized craft)	3
TOTAL NATURAL AREA RESERVES VIOLATIONS	17
<b>Miscellaneous</b>	
Resisting arrest	1
Promoting detrimental drugs 1st degree (marijuana)	3
Motor vehicle on beach (county ordinance)	1
Endangering welfare of minor	1
Prohibition involving minors (possession of alcohol)	1
TOTAL MISCELLANEOUS VIOLATIONS	7

### License Permits

#### Commercial Marine Fishing

Type	Hawaii	Maui	Kauai	Oahu	Statewide
<b>Commercial Marine</b>					
Resident					
Number	958	498	488	1,003	2,947
Amount	\$23,950	\$12,450	\$12,200	\$25,075	\$73,675
Non-Resident					
Number	24	3	3	31	61
Amount	\$ 1,200	\$ 150	\$ 150	\$ 1,550	\$ 3,050
Duplicate					
Number	—	—	—	—	—
Amount	—	—	—	—	—
<b>Special Marine Product</b>					
Number	16	10	4	96	126
Amount	\$ 128	\$ 33	\$ 18	\$ 343	\$ 522
<b>Commercial Bait</b>					
Number	5	4	—	17	26
Amount	\$ 5	\$ 4	—	\$ 17	\$ 26



License Permits

Commercial Marine Fishing (continued)

Type	Hawaii	Maui	Kauai	Oahu	Statewide
NWHI*					
Number	—	—	—	26	26
Amount	—	—	—	\$ 26	\$ 26
TOTALS					
Number	1,003	515	495	1,173	3,186
Amount	\$25,283	\$12,637	\$12,368	\$27,011	\$77,299

\*Northwestern Hawaiian Islands (Leeward Islands)

\*\*Fractional amount (less than a dollar) excluded

Licenses

Freshwater Fishing

Type	Hawaii	Maui	Kauai	Oahu	Statewide
Resident					
Number	1	4	624	6,011	6,640
Amount	\$4	\$15	\$ 2,248	\$21,460	\$23,727
Non-Resident					
Number	—	—	17	56	73
Amount	—	—	\$ 123	\$ 401	\$ 524
Tourist					
Number	—	—	111	81	192
Amount	—	—	\$ 400	\$ 289	\$ 689
Juvenile					
Number	—	—	159	1,313	1,472
Amount	—	—	\$ 228	\$ 1,876	\$ 2,104
Senior Citizen					
Number	1	—	58	206	265
Amount	—	—	—	—	—
Duplicate					
Number	—	—	4	23	27
Amount	—	—	\$ 2	\$ 11	\$ 13
TOTALS					
Number	2	4	973	7,690	8,669
Amount	\$4	\$15	\$ 3,001	\$24,037	\$27,057

\*Fractional amount (less than a dollar) excluded

Licenses					
Hunting					
Type	Hawaii	Maui	Kauai	Oahu	Statewide
Resident					
Number	3,699	2,332	2,299	3,324	11,654
Amount	\$26,571	\$16,864	\$16,456	\$23,737	\$83,628
Non-Resident					
Number	159	175	23	50	407
Amount	\$ 2,281	\$ 2,518	\$ 333	\$ 722	\$ 5,854
Senior Citizen					
Number	123	154	52	134	463
Amount	—	—	—	—	—
Duplicate					
Number	62	81	39	42	224
Amount	\$ 31	\$ 41	\$ 19	\$ 20	\$ 111
TOTALS					
Number	4,043	2,742	2,413	3,550	12,748
Amount	\$28,883	\$19,423	\$16,808	\$24,479	\$89,593

*\*Fractional amount (less than a dollar) excluded*

Licenses and Permits

Miscellaneous		Statewide
Type		
Game Bird Farm		
Number		27
Amount		\$27
Aquarium Fish		
Number		244
Amount		—
TOTALS		
Number		271
Amount		\$27

## Bureau of Conveyances

### Documents Received

During fiscal year (FY) 1986-87, 296,094 documents were received by the Bureau of Conveyances. The Regular Registration System received 196,145 documents and the Land Court System received 99,945 documents.

### Transfer Certificate

There were 14,693 new transfer certificates issued under the Land Court System, an increase over the previous FY of 11,474. Low interest rates on mortgages may have contributed to the increase in transfer certificates and documents.

### Foreclosure Documents

Foreclosures in the Regular System are as follows:

Apartment Leases	\$ 8,554,375
Apartment Deeds	14,821,081
Other Leases	3,235,824
Other Deeds	8,809,692

Foreclosures in the Land Court System are as follows:

Apartment Leases	\$ 6,532,040
Apartment Deeds	4,994,379
Other Leases	32,958,764
Other Deeds	6,557,474

### Revenue for FY 1986-87

The Bureau received a total of \$2,557,726 which included \$1,211,324 from the Regular System and \$1,346,402 from the Land Court System. This is an increase of more than \$1,000,000 over last FY. The breakdown of all receipts are shown below.

Receipts from Regular System:

Recording Fees	\$1,154,673
Certified Copies	56,352
Service Charge on Checks	299
	<hr/>
	\$1,211,324

Receipts from Land Court System:

Filing Fees	\$ 967,460
Transfer Certificates	378,942
	<hr/>
	\$1,346,402

Receipts from Conveyance Tax:

In addition to the receipts, the Bureau collected a conveyance tax amounting to \$3,622,265.88.

Act 246, SLH 1986, Relating to Land Court Registration authorized the computerization of the Land Court title system and permits the Bureau to microfilm every document and return the originals to the owners. The computerization will reduce the processing time to about 10 days and microfilming will remedy the storage space problem currently existing in the Bureau of Conveyances.



**Receipts of the Bureau of Conveyances**

Fiscal Year	Receipts		
	Regular System	Land Court System	Total
1977-78	\$ 707,056	\$ 259,676	\$ 966,732
1978-79	804,281	284,340	1,088,621
1979-80	907,147	327,541	1,234,688
1980-81	803,293	470,050	1,273,343
1981-82	753,842	413,397	1,167,239
1982-83	734,756	460,247	1,195,003
1983-84	848,104	562,184	1,410,228
1984-85	782,073	543,071	1,325,144
1985-86	902,447	654,922	1,557,369
1986-87	1,211,324	1,346,402	2,557,726
TOTAL	\$8,454,323	\$5,321,830	\$13,776,093

**Documents Received and Certificates of Title Issued**

Fiscal Year	Documents Received			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
1977-78	191,307	131,231	60,076	10,133
1978-79	210,394	145,649	64,745	11,324
1979-80	228,471	157,008	71,463	12,323
1980-81	191,115	136,674	54,441	8,599
1981-82	164,810	121,217	43,593	6,630
1982-83	187,310	131,701	55,609	8,932
1983-84	219,238	152,470	66,768	11,107
1984-85	202,813	140,001	62,812	11,192
1985-86	236,769	156,938	79,831	11,474
1986-87	296,094	196,145	99,945	14,693
TOTAL	2,122,281	1,469,034	653,247	106,407

**Value of Property Transfer in Hawaii**

(in thousands of dollars)

Fiscal Year	Honolulu		Hawaii		Maui		Kauai		State
	% of State	Value (\$1000)	% of State	Value (\$1000)	% of State	Value (\$1000)	% of State	Value (\$1000)	Value (\$1000)
1977-78	67.3	1,743,379	9.1	235,370	19.1	496,684	4.5	116,519	2,591,952
1978-79	65.5	2,428,836	10.6	394,304	18.8	695,768	5.1	190,370	3,709,278
1979-80	68.2	3,089,239	13.1	591,763	12.5	565,806	6.2	282,919	4,529,727
1980-81	63.4	2,512,596	12.8	506,007	14.3	566,960	9.5	374,451	3,960,014
1981-82	69.5	2,011,748	10.6	306,301	12.2	353,045	7.7	221,538	2,892,632
1982-83	62.9	1,903,777	9.7	293,964	21.0	637,263	6.4	192,462	3,027,466
1983-84	69.0	2,474,132	14.4	514,705	12.3	441,485	4.3	155,003	3,585,325
1984-85	68.3	2,540,240	9.3	346,375	17.5	649,114	4.9	183,930	3,719,659
1985-86	67.4	2,623,227	10.1	392,623	13.9	541,935	8.6	335,562	3,893,347
1986-87	68.5	4,964,905	10.3	747,431	17.2	1,242,388	4.0	290,668	7,245,392

PRODUCTS DEVELOPMENT PROGRAM

The Division provides tree seedlings for public and private use, establishes and maintains forest plantations, administers forest product inventories and sales, and provides technical assistance to land managers.

Nursery Production

Kamuela Central Tree Nursery

The total nursery containerized seedling production amounted to 678,239. Major windbreak and timber species included koa, Mexican cypress, ironwood, *Eucalyptus grandis* and *E. saligna* and pines. Native species production (koa and mamani) was 73,056.

Hawaii District Nursery

A total of 4,698 plants were grown and distributed during the year. Of these, 721 were native plants. The balance were timber and windbreak seedlings and ornamentals.

Kauai District Nursery

Distribution of Kauai nursery grown planting stock was 3,354 seedlings of which 2,861 were ornamentals and 493 were native species. Nearly 67,000 seedling grown at Kamuela were distributed to planters on Kauai.

Oahu District Nursery

The nursery propagated and distributed 1,940 seedlings which included Kukui, Milo, Royal Poinciana, Areca Palm, Kou, Monkeypod, Norfolk Island pine and ironwood.

Maui District Nursery

The nursery produced 6,093 seedlings, including 591 of native species, 5,202 ornamentals and 300 timber and windbreak species.

Tree Planting and Timber Stand Improvement

Hawaii District

Site preparation for planting totalled 181 acres. The district planted a total of 676 acres primarily with *Eucalyptus saligna* and *E. grandis*. A total of 488 acres were fertilized, 62 acres were thinned, 42 acres were weeded and

53 acres of noxious weeds were controlled. Two acres of erosion control measures were completed by the Sierra Club with the planting of 225 mamani seedlings in the skyline area of Matua Kea.

Kauai District

Reforestation work accomplished included site preparation of 13 acres (9 acres in the Lihue-Koloa Forest Reserve and 4 acres in the Puu Ka Pele F.R.) and tree planting of 23 acres in the Lihue-Koloa F. R. with *Eucalyptus grandis*. A total of 34 acres were fertilized.

Oahu District

The district planted 1 acre of koa in the Ewa Forest Reserve and replanted 10 acres in the Honolulu Watershed, Kuaokala, Kuliouou, and Waiahole Forest Reserves. Other accomplishments include 2 acres of weeding in the Waiahole F. R., 2 acres of pruning in the Kuaokala F. R. and 13 acres fertilized in the Ewa, Kuliouou, and Waiahole Forest Reserves.

Maui District

Most of the tree planting and timber stand improvement work occurred in the West Maui Forest Reserve in the Kahakuloa area.

1. Site Preparation	Kahakuloa	66 acres
2. Tree planting	Makawao	3 acres
3. Replanting	Kahakuloa	25 acres
4. Weeding	Kahakuloa	145 acres

Wood Chip Production

Hawaii District

The total volume of wood chips harvested by Island Forest Products, Inc. for the production of electricity amounted to 101,475.32 green tons since they began operations in May 1986. Revenues total \$272,366.83. Harvesting operations centered on approximately 2,000 acres with the Waiakea, Upper Waiakea and Olaa Forest Reserves. The estimated 2 million cubic feet volume is expected to be depleted within the latter part of 1988.



## **PROTECTION AND ENHANCEMENT PROGRAM**

The program objective is to protect, conserve and enhance forest and wildlife resources. Activities include watershed and wildlife habitat protection, fire suppression, erosion control, forest pest management, and the protection and preservation of unique native plant and animal species.

### **Fire Management**

#### *Statewide*

The DOFAW fire team presented intermediate fire training classes in all four districts. Working with helicopters added realism to the course. The use of foam for fire suppression was also demonstrated.

DOFAW coordinated the activities of the first ever California-Nevada-Hawaii Forest Fire Council Meeting which was held in Kona.

#### *Hawaii District*

The district responded to four fires during the fiscal year that burned 6,911 acres. The largest fire was 3,850 acres that destroyed one of the best representation of native dryland forest in the State.

Through a Rural Community Fire Protection Grant (federal funds administered by the Department), Hawaii County Fire Department was awarded \$12,500 to organize, train and equip a new fire station in Waiohinu for rural fire protection.

#### *Kauai District*

District fire protection efforts during the year included information assemblage for development of a wildfire readiness and pre-attack plan for the high fire danger area of West Kauai. There were no major wildland fire on Kauai during the year.

#### *Oahu District*

The district was involved with a wildland fire which occurred in the Honouliuli Forest Reserve as well as adjacent lands. The fire burned 1,860 acres.

#### *Maui*

A rural Community Fire Protection grant of \$5,000 was given to the Maui Fire Department to help equip and refurbish surplus military 'gamma goats,' specialized fire fighting vehicles. The Maui Fire Department entered into a Mutual Aid Agreement with the Department of Land and Natural Resources.

### **Forest Pest Management**

Since fiscal year 1978-79, forest pest control efforts have concentrated mainly on the control of the weeds: banana poka (*Passiflora mollissima*) and clidemia (*Clidemia hirta*). Banana poka climbs up trees (mostly koa and ohia) and deprives them of sunlight causing dieback and, eventually, death. The destruction of this canopy upsets the fauna and flora that co-exist with it. Banana poka occurs on the islands of Kauai, Hawaii, and Maui.

Clidemia is a prolific and persistent plant that can take over an area when given the chance. It impacts on hunting and other outdoor opportunities, and upsets the ecosystem by driving out beneficial vegetation. Clidemia occurs on the islands of Kauai, Oahu, Maui, Molokai, and Hawaii.

The use of biological control actions is deemed the only feasible way to control banana poka and clidemia. The biological control programs for banana poka and clidemia are both well into the testing phase. Currently, there are three natural enemies (one banana poka insect and two clidemia insects) nearing completion of tests and are soon to be proposed to the Board of Agriculture for liberation.

In the banana poka biological control program, a total of three insects were selected for testing following exploration surveys in Colombia, Ecuador, and Peru. Tests are being conducted in the National Park Service's quarantine facility at Hawaii Volcanoes National Park on Hawaii by a U.S. Forest Service research entomologist.

In October 1986, arrangements were made with the

University of Cali, Colombia, that assures a supply of insects on call. They are also keeping banana poka plants there to watch for any plant pathogen that may infect the plants and may be important to the program. Also they are working out laboratory procedures for rearing one candidate insect not yet raised successfully in captivity—and therefore not yet tested in the Volcanoes facility.

Under the clidemia biological control program, a total of twelve insects are being tested by the Hawaii Department of Agriculture in their quarantine facility in Honolulu. As mentioned above, two tests are nearing completion.

The newest weapon in the non-chemical arsenal for clidemia control is a fungus (*Collectotrichum* sp.) that defoliates clidemia, eventually killing it. The fungus was approved for liberation in the wild by the Board of Agriculture in October 1986 after six months of quarantine testing. Field trials are being conducted to determine, among other things, the best way to disseminate this fungus.

### **Beautification and Native Plant Species**

#### *Kauai District*

The County of Kauai participated in the National "Tree City USA" program and was certified into the program for the first time.

During a Waimea High School 1937 class reunion, beautification tree plantings were accomplished as well as Hawaii's first "U.S. Constitution Bicentennial Commemorative" tree planting. The District Forestry tree nursery provided the trees for these and many other community tree planting projects throughout the year.

During the annual "Free trees for home plantings" Arbor Day tree giveaway, 1,436 tree seedlings were distributed to 507 families at the Pua Loke Forestry Field Operations Center.

493 native plant seedlings were distributed during the year including 117 *Hibiscus brackenridgei* at the Arbor Day giveaway.

The State Botanist identified plants along the Awaawapuhi and Pihea trails to be marked and the locations included in a public information brochure.

#### *Oahu District*

The district planted one acre of *Acacia koa* in the Ewa Forest Reserve along the Manana Trail. This was done to control soil erosion and improve the general area which is overgrown with introduced grasses and other alien plants.

#### *Maui District*

During the annual Arbor Week observance in November 4,378 trees were distributed in various communities on Maui, Molokai and Lanai.

Forestry personnel participated in Maui County Arborist Committee beautification projects including Kaahumanu Avenue, Kamehameha Medial Strip and Baldwin Avenue.

The Keanae Arboretum continues to be a popular public attraction along the road to Hana. Tourists, who make up over 90% of the visits, appreciate the opportunity to see beautiful tropical plants in a natural setting. Schools and the Maui YMCA are making increased use of the arboretum for educational field trips and Hawaiian studies. Plans are underway to expand Keanae Arboretum and upgrade the interpretive signs.

### **Threatened and Endangered Plant Species**

#### *Statewide*

The U.S. Fish and Wildlife Service listed two plants during the year bringing the total to 19 taxa now listed as endangered for the State of Hawaii. Listed during the past year were *Abutilon menziesii* (ko'oloa'ula) and *Mezoneuron kauaiense* (uhiuhi). There are many more candidates in need of listing and protection. As part of an ongoing program to propagate and protect select species under wild conditions, plant sanctuaries have been established and fenced to protect the endangered *Gouania hillebrandii*. Other ongoing projects include assessments of endangered plant populations on the Na Pali coast of



Kauai and the development of interpretive plant trail guides for two trails.

#### *Hawaii District*

Five *Vicia menziesii* exclosures were established to assist in the restoration of the Hawaiian vetch in their native habitat. A continuing effort is being made to monitor and outplant seedlings in these areas. To date, 41 seedlings have survived.

The district has established and maintained two native dryland species exclosures at Puu Waawaa Ranch. Seedlings of kokio, hau kuahiwi, wiliwili and kauila are being planted. Eleven kokio and eight hau kuahiwi seedlings have already emerged as trees.

Maintenance involving brush and fence work at the Puu Laau sandalwood exclosure (2.3 acres) is an annual district project. By removing unfavorable trees from the area, regeneration of sandalwood and akoko is anticipated. At the Koaia Sanctuary, annual maintenance was conducted by the Sierra Club. Work included the removal of lantana, morning glory and other competing vegetation surrounding recently planted *Acacia koaia*.

#### *Kauai District*

Plans were developed to establish two plant sanctuary sites for the Kauai kokio (*Kokia kauaiensis*) and to survey the wild population by aerial survey during the plant's blooming period. Seed was collected and preliminary plans developed for greatly increasing the population and distribution of Kauai hau kuahiwi (*Hibiscadelphus distans*), a recently designated endangered species.

#### *Maui District*

Plant Sanctuary Development—On Molokai work continued on the Cooke's kokio project. Plants of the related *Kokia drynarioides* have been grown to sufficient size within three exclosures and will serve as the stock material for grafting during the coming year in an effort to propagate the extremely endangered *Kokia cookei* on its native island.

### **Threatened and Endangered Animal Species**

*Waterbirds.* Statewide annual inventories to determine the populations of endangered Hawaiian ducks, coots, stilts, and gallinules and other waterbirds were made in July and January. The results were:

	July 1986	January 1987
Hawaiian Duck (Koloa)	182	313
Hawaiian Coot (Alae Keokeo)	1,741	1,545
Hawaiian Stilt (Aeo)	1,265	1,354
Hawaiian Gallinule (Alae Ula)	82	221
Non-threatened Species	—	4

These counts fall within the range of counts conducted over the past 10 years.

#### *Seabirds*

The ninth year of the seabird salvage project on Kauai resulted in the successful collection and release of 92 percent of the birds recovered. Nearly 1,300 birds were recorded as victims of light attraction and "fallout" during the 1986 Newell's Shearwater fledgling season. Several other seabird species were recovered and are listed below:

Species	Released Alive	Died in Captivity	Found Dead	Total Birds Recorded
Newell's Shearwater	1,184	32	65	1,281
Dark-rumped Petrel	7	1	0	8
Wedge-tailed Shearwater	6	1	0	7
White-tailed Tropicbird	1	0	0	1
(c.f.) Solander's Petrel	0	1	0	1

A total of 40 Wedge-tailed shearwater (Uau-kani) were taken to Sea Life Park, on Oahu, by the public. As in the past, trained personnel at Sea Life Park examined the birds for injuries, weighed, banded, fed and released them when they were capable of flight.



Sea Life Park played a major role in the rescue and recovery of six Great Frigatebirds, four Red-footed boobies, two Masked boobies, two Brown boobies and a Sooty tern affected by bunker oil from an oil spill off of Oahu in January.

### **Wildlife Sanctuaries**

The Division manages over 81,000 acres of State Wildlife Sanctuaries.

### **Kahoolawe Management**

A cooperative program continued between the State and the U.S. Navy for natural resource restoration. Planting conditions remained unfavorable during the 1986-87 planting season. A total of 2,500 trees were planted but subsequent dry weather caused 70% mortality and discouraged further planting during this year. A harsh climate makes Kahoolawe planting work very tenuous from year to year.

### **Road and Fence Construction**

#### *Hawaii District*

Eighteen miles of road network were regraded to allow access to forest management areas. One mile of forest fence was reconstructed and maintained.

Kulani inmates were utilized to reconstruct 1,600 feet of stone wall surrounding portions of the Hilo office-arboretum complex. Under agreement with Kulani officials, DOFAW provided the logistical support and Kulani provided the labor and supervision. The completed project incurred substantial savings to the Department.

#### *Maui District*

The Polipoli Access Road received 2.1 miles of new asphalt surfacing to complete the paving work in the switchbacks area. Over the years a soft, erodible substrate created increasing maintenance problems along this important public access route to the Kula and Kahikinui Game Management Areas. This paving project was a major step in improving public access and in reducing

long-term maintenance costs to the Department.

In the West Maui Forest Reserve within the Kahakuloa tree planting area, 2.6 miles of access roads were constructed at Poelua and Waikalai. A short 0.1 mile fence was also constructed at Hanaula to seal off a gulch from cattle along the southern boundary of the West Maui Forest Reserve.

### **Cattle Eradication**

During a 5-month period, 97 head of wild cattle were destroyed in the western portion of the Koolau Forest Reserve by DOFAW personnel to remedy an encroachment problem within a watershed area. By year's end the forest showed a marked improvement in vegetative recovery. Eradication efforts will continue in this area in the coming year.

### **Owl Mortalities**

During the last three months of the year, a total of 48 owls were found sickly or dead on Kauai. Both Barn Owls and the native Pueo were involved in the disease epidemics. Recovered specimens were forwarded to State and Federal veterinary pathologists to determine the cause of the disease. To date, no positive diagnosis has been made.

### **RECREATION PROGRAM**

The Division provides for public hunting and builds and maintains hiking trails, access roads, shelters, vista points, and other recreational conveniences for the enjoyment of wildlife and other resources.

### **Access Roads and Trails**

#### *Kauai District*

In the Na Pali-Kona Forest Reserve:

1. The Kohua Ridge Trail was extended, a footbridge was installed and a vista point developed.
2. A foot bridge was installed on the Pihea Trail by the Hawaii National Guard on a cooperative Forestry and Wildlife project. (see picture)

3. A foot bridge was also installed on the Poomau Canyon Vista Trail.
4. Trail construction layout routing for the Nualolo Cliff Trail was accomplished.
5. Hurricane Iwa fallen trees were cut and cleared along the Koaie Canyon Trail with the help of Hawaii National Guardsmen.
6. The section of the Mohihi-Waialae Trail on the north slope of Waialele Canyon was re-opened.

In the Puu Ka Pele Forest Reserve new plantings and improvement work were accomplished at the Makaha Forestry Arboretum.

In the Halelea Forest Reserve a trail check-in station was installed and a camping permit system established in Hanalei Valley.

In the Nonou Forest Reserve a land addition was accomplished so that the Nonou Mountain-East trailhead can begin at the public road instead of having to cross over Department of Water and private lands.

#### *Maui District*

On Maui 27.6 miles of forest and GMA trails were maintained within the Kula, Kahikinui, Koolau and West Maui Forest Reserves. A total of 58.5 miles of access roads were maintained primarily within the Kula, Kahikinui, Makawao and Koolau Forest Reserves where hunting and recreation are popular. A total of 17.5 miles of forest fences were maintained.

The popular roadside recreational areas along the Hana Highway at Waikamoi, Puohokamoa and Haipuaena are receiving heavy use from tourists. Regular maintenance is required to keep these trails and picnic shelters at these natural stream settings in attractive condition.

On Molokai 125.0 miles of forest and game management area roads were maintained to keep them open for hunters and recreationists. Fence maintenance was done along 9.2 miles of forest fences adjacent to pasture lands. The 3.0

miles of Wailau Trail was maintained by a Sierra Club service trip project to keep the access within this lush windward valley open.

On Lanai 24.0 miles of Game Management Area roads were maintained for hunters, fishermen and other recreationists.

#### *Oahu District*

On Oahu, 53 miles of trail and 34.5 miles of road were maintained. Over 175 permits for hiking and camping were issued to the public. Most of these permits were issued for the Kuaokala/Mokuleia Forest Reserve.

#### *Hawaii District*

The district maintained three recreational trails during the past fiscal year amounting to 20 miles. The most popular trail is the 8-mile long Waipio-Waimanu trail.

Seventy miles of jeep roads and thirty miles of foot trail were maintained for public hunter access. Eighteen hunter checking stations, twenty-four game water units and two feeding sites were maintained throughout the year. Fifty-eight new signs were posted to manage public hunting areas.

### **Game Research and Surveys**

Division biologists conducted surveys during various times of the year to determine the status of various game bird and game mammal populations throughout the State. In addition to ground surveys, aerial surveys were used on Lanai (mouflon sheep and axis deer), Hawaii (mouflon sheep and feral sheep), Molokai (axis deer), and Kauai (feral goats) to obtain population estimates in the public hunting areas.

Pre-hunting season estimates of game mammals were as follows: (1) 1,422 mouflon sheep and 2,912 axis deer on the Lanai Cooperative Game Management Area; (2) 595 mouflon sheep and 230 feral and/or hybrid sheep on or around the Mauna Kea Game Management Area on Hawaii; (3) 124 axis deer on the Molokai Cooperative Game Management Area, and (4) 772 feral goats and 340



black-tailed deer on Kauai's public hunting areas.

### **Game Bird Habitat**

Experimental establishment of carpet grass was carried out in the Kekaha Game Management Area. Thirty-four acres were test planted at three different sites. A mechanical sprig planter on loan from the U.S. Soil Conservation Service was tested and found to be an economical method for carpet grass planting. Measurements for grass establishment, rates of coverage and ability of the grass to out-compete other undesirable vegetation were accomplished. Abnormally low rainfall reduced sprig survival in some low elevation areas, but long term results were promising.

A total of 191 acres of game bird habitat was cleared of undesirable shrubs in the Kekaha Game Management Area using a heavy rail and bulldozer. An additional 18 acres was cleared with a brush mower as part of the experimental carpet grass planting study.

### **Public Hunting**

*Game Mammals.* Throughout the state, game mammal hunters made 18,752 trips into public hunting areas and harvested a total of 3,297 mammals. The total harvest consisted of 1,303 feral pigs, 645 feral goats, 847 axis deer, 191 mouflon sheep, 288 feral sheep, and 23 black-tailed deer.

*Game Birds.* The Statewide game bird season was held from November to January. A total of 11,161 hunter trips resulted in 2,656 California valley quail, 140 Gambel's quail, 363 Japanese quail, 935 ring-necked pheasant, 218 kalij pheasant, 1,467 chukar partridge, 796 gray francolin, 894 black francolin, 2,015 Erckel's francolin, 446 wild turkey, 462 barred doves, and 1,309 lace-necked doves for a total of 10,701 birds harvested.

### **Urban Wildlife**

Volunteer permittees including a number of veterinarians assisted in rehabilitating a large number of injured or immature birds most of which were brought in by concerned citizens. Some birds of note that were rescued

were Laysan albatrosses, Koloa, Pueo, Barn owl, Brown boobies, Plover and the more common birds such as cardinals, bulbuls, doves, and pigeons.

A total of 40 Wedge-tailed shearwaters (Uau-kani) were taken to Sea Life Park by the public. As in the past, trained personnel at Sea Life Park examined the birds for injuries, weighed, banded, fed and released them when they were capable of flight.

Sea Life Park assisted the U.S. Fish and Wildlife Service and the State by taking a major role in the rescue and recovery of six Great Frigatebirds, four Red-footed boobies, two Masked boobies, two Brown boobies and a Sooty tern affected by bunker oil from an oil spill off of Oahu in January.

### **Rock Wallaby Study**

The study of rock wallabies continued for its sixth year on Oahu. A population estimate indicated that a viable rebounding population was present in the Kalihi study site. One wallaby was captured and sacrificed to learn more about the origin and status of the local population.

### **SUPPORT SERVICES**

Support services include scientific research, technology transfer and telecommunication support. The Institute of Pacific Islands Forestry of the U.S. Forest Service provides research assistance to the Division.

### **Research and Technology Application**

Multiresource Forest Inventory—The Oahu and Kauai multiresource inventories were completed and the reports are currently in the publication process.

The inventory is a combination of aerial photo interpretation and a network of permanent ground plots throughout the State that provides detailed data on land class, vegetation classification, forest volume, wildlife, noxious weeds, native ecosystems, and watershed health. This information provides a comprehensive planning and assessment data base for land use decisions involving



forest resources. It also provides a benchmark to monitor trends in land use, forest growth and mortality, and vegetation composition.

The photo interpretation portion of the multiresource inventory for Maui has begun. Funding for the field portion of the Valley Isle’s project is being sought to allow its completion and subsequent publication of results.

Preliminary negotiations with federal officials commenced to address requirements for the Island of Hawaii’s inventory. Because of its size, the Division expects significant increases in time, effort, and man-hours committed to the project.

**Support Assistance**

By request of the Governor of the Federated States of

Micronesia, the Resource and Technical Support Forester of the Division was temporarily assigned for one year to assist Pohnpei State in development of their forestry programs. He was instrumental in passage of the Watershed Forest Reserve and Mangrove Protection Act of 1987, as much needed law that protects the soil, water, forests, and mangrove ecosystems. He also helped in the creation of their first comprehensive forest management plan.

**Technical Support**

In consonance with the State’s initiative to automate office operations, the Division acquired computer hardware and software. As of now all district offices have some level of computer support to assist in their operations and to interface with other State and organizational line agencies.

**Construction and Maintenance of Roads, Trails, and Fences**

Fiscal Year 1986-1987

Island	Miles of Construction			Miles of Maintenance		
	Roads	Trails	Fences	Roads	Trails	Fences
Hawaii	—	13.5	0.9	31.5	22.3	3.5
Maui	2.6	—	0.4	62.5	27.6	20.5
Molokai	—	—	—	125.0	—	9.2
Oahu	0.5	—	—	35.7	54.0	—
Kauai	—	1.0	0.2	84.6	76.8	1.0
Lanai	—	—	—	24.0	—	—
TOTAL	3.1	14.5	1.5	363.3	180.7	34.2

**Wildlife Habitat Improvement, Noxious Plant Control, Erosion Control and Arboreta Maintenance**  
Fiscal Year 1986-1987

Island	Acres of Accomplishment			
	Wildlife Habitat Improvement	Noxious Plant Control	Erosion Control	Arboreta Maintenance
Hawaii	—	53	2	167
Maui	13.5	7	—	69
Molokai	—	—	—	—
Oahu	34	—	—	122
Kauai	—	19	4	280
Lanai	—	—	—	—
TOTAL	47.5	79	6	638

**Reforestation Program in State Forest Reserves**

Fiscal Year 1986-1987

Island	Acres of Accomplishment						
	Site Preparation	Planting	Replant	Weeding	Fertilizing	Pruning	Thinning
Hawaii	181	676	—	42	470	—	80
Maui	—	3	25	145	—	—	10
Molokai	—	—	—	—	—	—	—
Oahu	—	1	10	14	13	2	—
Kauai	19	35	—	—	34	—	—
TOTAL	200	715	35	201	517	2	90

### Outside Funds Received

Fiscal Year 1986-1987

Source	Amount
Forest Product Sales	\$ 241,267
Hunting License Sales	89,618
Other Minor Miscellaneous Sales, Rentals and Charges	2,867
Federal Assistance:	
Cooperative Forestry Assistance Act	103,409
Pittman-Robertson Wildlife Restoration	405,516
Endangered Species Act—Wildlife	172,471
Recovery of Indirect Costs	51,270
Late Refund of Prior Year Expenditure	2,705
Rural Community Fire Protection	13,500
<b>TOTAL</b>	<b>\$1,082,623</b>

### Seedlings Produced and Distributed

Fiscal Year 1986-1987

Common Name	Quantity
<b>Timber, Windbreak, Christmas Tree and Biomass Seedlings:</b>	
Koa ( <i>Acacia koa</i> )	45,425
River-Oak Casuarina ( <i>Casuarina cunninghamiana</i> )	52,164
Beach Shortleaf Ironwood ( <i>Casuarina equisetifolia</i> )	50,620
Sugi ( <i>Cryptomeria japonica</i> )	9,936
Mexican Cypress ( <i>Cupressus lusitanica</i> )	30,209
Monterey Cypress ( <i>Cupressus macrocarpa</i> )	20,825
Lemon-Gum Eucalyptus ( <i>Eucalyptus citriodora</i> )	1,675
Mindanao-Gum Eucalyptus ( <i>Eucalyptus deglupta</i> )	1,072
Bluegum Eucalyptus ( <i>Eucalyptus globulus</i> )	70
Rosegum Eucalyptus ( <i>Eucalyptus grandis</i> )	152,845
Gray Ironbark Eucalyptus ( <i>Eucalyptus paniculata</i> )	220
Robusta Eucalyptus ( <i>Eucalyptus robusta</i> )	3,337
Saligna Eucalyptus ( <i>Eucalyptus saligna</i> )	35,519
Mamane ( <i>Sophora chrysophylla</i> )	30
Queensland-Maple ( <i>Flindersia brayleyana</i> )	132
Paperbark ( <i>Melaleuca leucadendron</i> )	13,087
Olive ( <i>Olea europaea</i> )	19,381



### Seedlings Produced and Distributed

Fiscal Year 1986-1987

Common Name	Quantity
Loblolly Pine ( <i>Pinus taeda</i> )	4,081
Slash Pine ( <i>Pinus elliottii</i> )	2,691
Monterey Pine ( <i>Monterey radiata</i> )	30,595
Monkey-pod ( <i>Pithecellobium saman</i> )	5
Redwood ( <i>Sequoia sempervirens</i> )	7,936
Athel Tamarisk ( <i>Tamarix aphylla</i> )	12,550
Brushbox ( <i>Tristania conferta</i> )	1,920
Norfolk-Island-Pine ( <i>Araucaria heterophylla</i> )	21,521
All Other Species	1,105
Subtotal	518,411
<b>Community Beautification and Native Species Seedlings</b>	
Ornamental and Exotic Species	16,357
Native Species	3,033
Subtotal	19,390
GRANDTOTAL	537,801

### Number of Game Birds Harvested from Public Hunting Areas

Fiscal Year 1986-1987

Bird Species	Number Harvested						Total
	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	
California Valley Quail	2,582	—	55	19	—	—	2,656
Gambels Quail	135	—	—	—	—	5	140
Japanese Quail	349	—	—	8	1	5	363
Ring-Necked Pheasant	193	256	262	4	1	219	935
Nepal Kalij Pheasant	218	—	—	—	—	—	218
Chukar Partridge	953	11	483	—	—	20	1,467
Grey Francolin	215	11	—	200	—	370	796
Black Francolin	657	27	—	210	—	—	894
Erckel's Francolin	1,361	534	—	—	58	62	2,015

# Number of Game Birds Harvested from Public Hunting Areas

Fiscal Year 1986-1987

Bird Species	Number Harvested						Total
	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	
Wild Turkey	427	—	—	—	—	19	446
Barred Dove	4	90	—	212	—	156	462
Lace-Necked Dove	15	34	—	236	2	22	309
TOTAL	7,109	963	800	889	62	878	10,701
(1986 SUM)	6,321	1,163	1,090	406	96	692	9,760
(1985 SUM)	4,033	858	—	—	29	—	4,920
No. of Hunter Trips	5,345	2,850	1,005	485	760	716	11,161
Birds/Hunter Trip	1.33	0.33	0.79	1.83	0.08	1.22	0.95
Hours/Hunter Trip	6.13	4.19	3.71	4.07	5.24	5.80	5.25
Hours/Bird	4.61	12.42	4.67	2.22	64.33	4.73	5.47

# Number of Game Mammals Harvested from Public Hunting Areas

Fiscal Year 1986-1987

Mammal	Number Harvested						Total
	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	
Pig, Boar	195	349	128	48	43	—	763
Pig, Sow	128	279	98	33	2	—	540
Blacktail Deer—Buck	—	23	—	—	—	—	23
Goat, Billy	67	343	2	11	—	—	423
Goat, Nanny	35	178	—	9	—	—	222
Mouflon Sheep, Ram	83	—	—	—	—	69	152
Mouflon Sheep, Ewe	39	—	—	—	—	—	39
Feral Sheep, Ram	192	—	—	—	—	—	192
Feral Sheep, Ewe	96	—	—	—	—	—	96
Axis Deer, Buck	—	—	—	—	—	480	480
Axis Deer, Doe	—	—	—	—	—	367	367
TOTAL	835	1,172	228	101	45	916	3,297
(1986 SUM)	1,047	678	180	35	2	800	2,742
(1985 SUM)	819	714	190	68	—	927	2,718
No. of Hunter Trips	4,588	9,099	927	228	679	3,231	18,752
Mammals/Hunter Trip	0.18	0.13	0.25	0.44	0.07	0.28	0.18

### Forest and Brushland Fires in Mutual Aid Protection Areas

Fiscal Year 1986-87

	Number				Total
	Hawaii	Maui/ Molokai	Oahu	Kauai	
Total No. Fires	58	38	11	2	109
No. of Fires by Cause:					
Campfire	—	4	—	1	5
Smoking	8	4	—	—	12
Incendiary	12	2	—	—	14
Debris Burning	5	10	1	—	16
Equipment Use	9	1	1	—	11
Children w/Matches	1	1	—	—	2
Miscellaneous	23	16	9	1	49
No. of Fires by Size-Class:					
Less than 1 acre	18	20	5	1	44
1 to 9 acres	30	11	3	1	45
10 to 99 acres	7	5	2	—	14
100 to 299 acres	2	2	—	—	4
300 to 999 acres	—	—	—	—	—
More than 1,000 acres	1	—	1	—	2
Total Acres Burned	4,356	449	1,905	3	6,713



The public land management program involves the management and control of all State-owned lands defined as public under Section 171-2 Hawaii Revised Statutes to assure the effective and efficient use of these lands for both public and private purposes in accordance with established policies and plans. Lands that are not encumbered for use by other government agencies come within the immediate control of the Land Management Division. These lands are made available to the public by sale, lease or month-to-month tenancies.

The Division also has the responsibility of acquiring private lands that are required for public purposes.

### Public Purpose

In keeping with the Division's mission, eighteen (18) executive orders were issued totalling 24,401 acres of land. These set-asides of State lands were for such purposes as addition to Kula Forest Reserve, addition to Kamaole Beach Park, for boat launching facilities and for the State's natural area system.

### Private Purposes

The private sector benefited from the State's land program to the extent that 47 leases were issued and 70 month to month permits were granted. The State also benefited in that the revenue generated totalled \$758,623.00.

Various disposals of State land remnants to private

individual as well as Hawaii Housing Authority brought in a one-time revenue of \$600,987.00.

### Land Acquisition

Acquiring private lands for public purposes is an ongoing part of the Division's mission. Mountain trails were acquired for public access, lands were acquired for the Kealakekua Bay State Park, and Federal surplus property was acquired for State use. The total expenditure for these acquisitions was \$3,265,882.00.

### Noteworthy Accomplishment

The disposition of fourteen leases at Waimanalo for agricultural purposes was a very satisfying endeavor, as farmers were able to acquire these very favorable leases by drawing, and not by public auction. These farm lots ranged in size from 5.737 acres to 11.432 acres. Truck crops, orchards, and ornamentals are expected from these farms.

The Land Management program generated \$10,576,708 in revenue. Of this sum, \$1,617,656 was transferred to the Office of Hawaiian Affairs (OHA) and \$767,712 was transferred to the Department of Hawaiian Home Lands (DHHL). The Division also manages lands that are owned by the DHHL and all proceeds from this source are transferred to the DHHL. For fiscal year 1985-86, this sum amounted to \$231,311. The Division transferred \$6,777,213 to the State's General Fund.

### Public Trust Land Proceeds

Receipts <sup>1</sup>	Actual 1986-87	Estimated 1986-87
Rentals, Leased Public Lands	\$4,484,844	\$4,800,000
Rentals, Unleased Public Lands	1,132,343	1,210,000
Sale of Wood, Rock and Sand	88,167	90,000
License, Use of Government Water	309,043	310,000
License, Use of Government Land for Specific Purposes	182,246	200,000
License, Use of Government Land for Recreational Purposes	91,370	90,000
Sale of Real Property (Includes \$219,466 Interest)	859,974	500,000
<b>TOTAL RECEIPTS</b>	<b>\$7,183,987</b>	<b>\$7,200,000</b>

<b>Expenditures</b>	<b>Actual 1986-87</b>	<b>Estimated 1986-87</b>
Revenue to Office of Hawaiian Affairs**	\$1,617,656	\$1,300,000
Revenue to Dept. of Hawaiian Homes*	767,712	900,000
Land and Transfers	—	—
Transfers to General Fund	4,798,619	5,000,000
<b>TOTAL TRANSFERS</b>	<b>\$7,183,987</b>	<b>\$7,200,000</b>

<sup>1</sup> All Chapter 171, HRS

\*Does not include \$231,311 DHHL Income (100%) from lands owned by DHHL but managed by DLNR.

\*\*Over-transfer to OHA of \$141,508 in fiscal year 1986-87 will be adjusted in fiscal year 1987-88.

### **General Fund Revenues and Fee Schedule**

<b>Title of Receipt (Legal Reference)</b>	<b>Fee Schedule</b>	<b>Actual 1986-87</b>	<b>Estimated 1987-88</b>
Liquidated Contract Damages		\$ 6,715	\$ 1,000
Conveyance Tax (Act 5/68)	.05 per 100	1,188	1,200
Forfeiture of Failure to Return Plans and Specifications	25.00 per plan & spec	—	—
Fees, Copies of Public Documents	.50 per page	2,107	2,000
Fees, Issuance of Land Patents, etc.	30.00 each	1,815	2,000
Fees, Consent to Transfers, etc.	30.00 each	2,985	3,000
Fees, Surveying Public Lands	25.00 each	1,150	2,000
Fees, Appraisal	Cost to Department but not less than 25.00 each	—	—
Sale of Services		400	500
Sale of Improvements on Expired or Cancelled Leases		—	—
Cost of Managing Property for other Departments		7,600	7,800
Indemnity for Damages to Insured Property		—	—
Sale of Wood, Rock and Sand		—	—
Interest on Delinquent Accounts		10,432	15,000
Interest Earned on TCD		68,478	45,000
Fines for Land and CDUA Violations		7,195	12,000
Witness or Juror Fees		—	—
Sales of Equipment or other Property		—	—
Refund/Reimbursement		—	—
Transfer Balance—Sand Island Revenues		1,868,529	1,900,000
<b>TOTAL</b>		<b>\$1,978,594</b>	<b>\$1,991,500</b>

### Special Land and Development Fund

Receipts	Actual 1986-87	Estimated 1987-88
Rentals, Leased Public Lands	\$ 760,851	\$ 750,000
Rentals, Unleased Public Lands	443,762	440,000
Sale of Wood, Rock and Sand	12,343	12,000
License, Use of Government Water	31,358	31,000
License, Use of Government Land for Specific Purposes	16,169	16,000
Interest Earned on TCD	125,322	130,000
Interest on Deferred Payments	1,986	1,000
Sale of Public Lands	17,000	50,000
Refund and Reimbursement of Prior Year Expenditure	5,336	3,000
<b>TOTAL</b>	<b>\$1,414,127</b>	<b>\$1,433,000</b>
Expenditures	Actual 1986-87	Estimated 1987-88
Land and Interest in Land	—	—
Structures and Permanent Improvements to Land	—	—
Appraisal Fees	\$ 19,050	\$ 40,000
Publication of Notices Fund	2,399	4,000
Maintenance Fund	194,068	200,000
Bond Fund Repayments	390,431	318,452
Administrative Costs	65,982	75,000
Revenue to DHHL	19,176	30,000
<b>TOTAL</b>	<b>\$ 691,106</b>	<b>\$ 667,452</b>
Balance at the beginning:	\$2,712,548	\$3,435,569
Balance at end:	\$3,435,569	\$4,191,117

### Summary of Dispositions—All Islands

Fiscal Year 1986-87

Counties	Executive Orders	Sales In Fee	General Leases	Revocable Permits	Grand Totals
Hawaii (1st Land District)					
Number	1	3	22	4	30
Area (Acres)	16,725.738	110.072	5.252	506.955	17,348.017
Price* or Annual Rent	—	\$298,040.00	\$ 2,904.00	\$ 1,860.00	\$ 302,804.00



**Summary of Dispositions—All Islands**

Fiscal Year 1986-87

Counties	Executive Orders	Sales In Fee	General Leases	Revocable Permits	Grand Totals
Maui (2nd Land District)					
Number	9	1	2	6	18
Area (Acres)	7,598.657	1,514	6.090	31.004	7,637.265
Price* or Annual Rent	—	\$ 250.00	\$ 19,001.00	\$ 576.00	\$ 19,827.00
Oahu (3rd Land District)					
Number	5	9	21	44	79
Area (Acres)	72.820	4,105	120.923	1,074.277	1,272.125
Price* or Annual Rent	—	\$220,189.00	\$103,580.00	\$588,930.88	\$ 912,699.88
Kauai (4th Land District)					
Number	3	2	2	16	23
Area (Acres)	4,387	1,637	3.680	69.836	79.540
Price* or Annual Rent	—	\$ 97,550.00	\$ 540.00	\$ 41,232.00	\$ 139,322.00
GRAND TOTALS					
Number	18	14	47	70	150
Area (Acres)	24,401.602	117,328	135.945	1,682.072	26,336.947
Price* or Annual Rent	—	\$616,029.00	\$126,025.00	\$632,598.88	\$1,374,652.88

**Summary of General Leases—All Islands**

Fiscal Year 1986-87

Use <sup>1</sup>	Area (Acres)	Annual Rental	No. of Leases <sup>2</sup>
Intensive agriculture use	64,884.084	\$1,258,316.50	309
Special livestock use	—	—	89
Pasture use	168,724.756	340,677.00	—
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	122.452	14,168.00	13
Watershed use	7,592.059	169,705.00	9
Res. use	382.043	332,795.00	203
Commercial and industrial use	614.423	1,910,485.36	134
Hotel, apartment and motel use	8.685	80,233.00	9

### Summary of General Leases—All Islands

Fiscal Year 1986-87

Use <sup>1</sup>	Area (Acres)	Annual Rental	No. of Leases <sup>2</sup>
Resort use	—	—	—
Unclass. uses	46,436.852	367,789.29	243
TOTALS	288,725.354	\$4,474,169.15	1,009

<sup>1</sup> The following Land Use Commission classification is used throughout: A —Agriculture  
C —Conservation  
R —Rural  
U —Urban

<sup>2</sup> Leases awarded directly are preceded by "D." All others are awarded by public auction.

### Summary of General Leases

#### First Land District—Island of Hawaii

Fiscal Year 1986-87

Use <sup>1</sup>	Area (Acres)	Annual Rental	No. of Leases <sup>2</sup>
Intensive agriculture use	20,058.835	\$ 318,711.59	186
Special livestock use	—	—	—
Pasture use	161,986.110	227,603.00	39
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	4.900	0.00	1
Watershed use	5,845.150	8,720.00	2
Res. use	240.067	18,123.00	55
Commercial and industrial use	260.047	928,959.86	88
Hotel, apartment and motel use	3.281	23,023.00	5
Resort use	—	—	—
Unclass. uses	37,257.313	23,889.40	73
TOTALS	225,655.703	\$1,599,029.85	449

<sup>1</sup> The following Land Use Commission classification is used throughout: A —Agriculture  
C —Conservation  
R —Rural  
U —Urban

<sup>2</sup> Leases awarded directly are preceded by "D." All others are awarded by public auction.

General Leases

Island of Hawaii

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
2480	Mauna Loa Investment Corp.	8/25/36-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:13	.720	U—Com/Ind.	\$ 4,234.00
2481	Mauna Loa Investment Corp.	8/25/36-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:17	.750	U—Com/Ind.	4,764.00
2610	Mauna Loa Investment Corp.	6/01/39-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:16	2.950	U—Com/Ind.	26,370.00
2908	Noboru Nakagawa, Sakae Nakagawa, Susumu Nakagawa and Lawrence Takeshi Nakagawa	11/01/42-7/31/90	Waiakea, S. Hilo	2-1-15:01	50.867	U—Unclass. Fishpond	1,400.00
(L)2964	Edward C. Hustace Trust, Stillman Trust	3/15/41-(revocable)	Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kaloa-Ooma Mauka Tract, Makaula-Haleohiu Tract, N. Kona	7-3-01:02		A—Unclass. ROW	12.00
3029	John Tolmie & David De Luz	9/13/45-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:22	1.190	U—Com/Ind.	8,112.000
3155	Richard Alderson	3/15/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:21	.163	U—Res.	957.00
3156	Michael F. & Dora Lee Rudolph	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:22	.165	U—Res.	969.00
3157	Margaret McKeen and Robert C. McKeen, Jr.	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:23	.167	U—Res.	982.00
3158	Penniman Title Company, Inc.	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:24	.169	U—Res.	994.00
3160	Patricia Nielson	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:26	.173	U—Res.	159.00
3161	Robert Alvin Finkle	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:27	.175	U—Res.	299.00
3162	Clarence Tatsuka & Kitome Ohama	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:28	.178	U—Res.	163.00
3163	Harold C. & Doris Hutchins	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:29	.180	U—Res.	1,058.00
3164	Electrical Workers Local 1260 Building Trust	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:30	.182	U—Res.	1,071.00
3165	Ruth K. Thayer & Cleo Thayer	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:31	.184	U—Res.	1,083.00
3166	John W. & Adele M. Jensen	3/15/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:32	.186	U—Res.	1,095.00
3167	Madeleine Krusche & Benjamin Jack Krusche	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:33	.188	U—Res.	1,108.00
3168	Jorge Roland Camacho	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:34	.190	U—Res.	1,120.00
3169	David V. Huggett & Eileen L. McDaniel	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:35	.190	U—Res.	1,117.00
3170	William C. Fehr-Trustee Martha H. Fehr-Trustee	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:36	.185	U—Res.	1,087.00
3202	Frank Ferreira	5/01/47-11/01/2017	Lehia Park Res. Lots, S. Hilo	2-1-17:65	.425	U—Res.	370.00
3265	Hilo Bay Hotel, Inc.	6/01/49-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:33	.586	U—Hotel, Apt. & Motel	2,981.00
3266	Hilo Bay Hotel, Inc.	8/10/49-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:34	.531	U—Hotel, Apt. & Motel	2,716.00



# General Leases

## Island of Hawaii

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
3267	Hilo Bay Hotel, Inc.	6/01/49-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:35	.495	U—Hotel, Apt. & Motel	3,252.00
3268	Mauna Loa Investment Corp.	6/01/49-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:32	.749	U—Hotel, Apt. & Motel	4,894.00
3269	Country Club Hawaii, Inc.	6/01/49-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:20	.920	U—Hotel, Apt. & Motel	9,180.00
3354	Hamakua Sugar Co., Inc.	1/01/52-12/31/2008	Gov't Remainders of Papaki, Koloaha Au 1st, Hamakua	4-6-05:08	547.724	A—Int. Ag. Cane	784.60
3472	Hamakua Sugar Co., Inc.	4/09/54-12/31/2008	Keaa-Mauka Tract, Hamakua	4-8-02-06 4-8-03-09	25.780 <u>27.920</u> 53.700	A—Pasture Cane	627.50
S-3583	Emma Yamada, Trustee	11/05/59-11/04/2004	Lots 4, 6, 7 & 8 Blk. 39, Lots 5 & 7, Blk. 40, Waiakea, Lots, S. Hilo	2-2-37:57, 58, 59, 92 & 93	2.566	U—Com/Ind.	11,300.00
S-3584	Mauna Kea Agribusiness Co., Inc.	2/01/60-12/31/89	Kamaee-Wailua & Puuoha, N. Hilo	3-1-04:01 & 02	330.120 19.360 <u>199.270</u> 548.750	A—Int. Ag. Cane ROW Waste	2,971.08 19.36 <u>19.93</u> 3,010.37
S-3585	Mauna Kea Agribusiness Co., Inc.	2/01/60-12/31/89	Honomu-Hukua, Kaakepa & Kaupakuea, S. Hilo	2-8-11:01, 03, 09 & 11	768.688 26.406 21.340 <u>91.500</u> 907.934	A—Int. Ag. Cane ROW Pasture Waste	6,918.20 26.41 21.34 <u>9.15</u> 6,975.10
S-3586	Mauna Kea Agribusiness, Co., Inc.	2/01/60-12/31/89	Kawainui, S. Hilo	2-7-07:05	155.258 2.391 <u>33.351</u> 191.000	A—Int. Ag. Cane ROW Waste	1,397.32 2.39 <u>3.34</u> 1,403.05
S-3587	Hamakua Sugar Co., Inc.	2/01/60-12/31/89	Kaunamano, Hamakua	4-4-01:01	21,000 <u>11.100</u> 32.100	A—Int. Ag. Cane Waste	210.00
S-3589	F. Newell Bohnett	8/15/60-8/14/2000	Puuwaawaa, No. Kona	7-1-01:01 7-1-02:01 7-1-03:01 7-1-04:01	105,796.580	A—Pasture	30,000.00
S-3591	Vetpro Inc. dba Veterans' Produce Exchange	1/16/61-1/15/2016	Kanoelehua Ind. Lots, S. Hilo	2-2-49:17	.354	U—Com/Ind.	8,340.00
S-3592	Hawaii Planing Mill	1/16/61-1/15/2016	Waiakea Business & Industrial Lots, S. Hilo	2-2-32:78	.778	U—Com/Ind.	17,790.00
S-3593	Automotive Supply Center, Ltd.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:12	.367	U—Com/Ind.	8,640.00
S-3594	James B. Toledo, Jr. dba Broto's Body & Fender	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:83	.224	U—Com/Ind.	5,265.00
S-3599	Harry Hiroo Nishimura dba Harry's Refrigeration Service	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:86	.258	U—Com/Ind.	6,075.00
S-3596	Laupahoehoe Transportation Co., Inc.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, S. Hilo	2-2-49:11	.381	U—Com/Ind.	8,980.00
S-3597	Josephine N. K. Kunewa	1/16/61-1/15/2016	Kamehameha Ave. Bus. Lots, Waiakea S. Hilo	2-2-32:64	.339	U—Com/Ind.	8,852.00

General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3598	Daryl R. & Esther L. Kayl—½; Richard M. & Jeanae A. Fuller—½	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:85	.258	U—Com/Ind.	6,075.00
S-3599	Big Island Builders, Inc.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:90	.775	U—Com/Ind.	17,720.00
S-3600	Durant Realty Co., Ltd.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:97	.344	U—Com/Ind.	8,100.00
S-3601	William T. White, III	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:07	.775	U—Com/Ind.	17,720.00
S-3602	Mar-Les Corp.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:14	.364	U—Com/Ind.	8,570.00
S-3603	L&P Hawaiian Enterprises, Inc.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:16	.293	U—Com/Ind.	4,430.00
S-3604	Walter Kiyoshi Hamai dba W. K. Hamai Repair Shop	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:02	.258	U—Com/Ind.	6,075.00
S-3606	Hilo Kala, Inc.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:96	.344	U—Com/Ind.	8,100.00
S-3609	Gray Line Hawaii, Ltd.	1/16/61-1/15/2016	Waiakea Bus. & Industrial Lots, S. Hilo	2-2-32:68	2.363	U—Com/Ind.	43,200.00
S-3611	William Mackenzie, Trustee, et al.	1/16/61-1/15/2016	Waiakea Bus. & Industrial Lots, S. Hilo	2-2-32:21	2.334	U—Com/Ind.	42,700.00
S-3612	Hamakua Sugar Co., Inc.	2/01/61-12/31/2008	Hoea-Kaao, Makai Tract, Hamakua	4-2-01:05, 06, & 13 4-2-07:02	747.320 35.360 119.570 <u>175.880</u> 1,078.130	A—Int. Ag. Cane ROW Pasture Waste	6,725.88 35.36 298.93 17.59 7,077.76
S-3613	Hamakua Sugar Co., Inc.	2/01/61-12/31/2008	Humuula & Kahoahuna N. Hilo	3-9-01:01, 13 & 18 3-9-02: 01, 07	818.593 25.090 <u>332.390</u> 1,176.073	A—Int. Ag. Cane ROW Waste	7,367.33 25.09 33.24 7,425.66
S-3614	Hamakua Sugar Co., Inc.	2/01/61-12/31/2008	Niupea-Kealakaha	4-1-02:01, 04, 05, & 06 4-1-03:19, 26 4-1-04:01, 31, & 33	493.076 10.930 <u>156.822</u> 660.828	A—Int. Ag. Cane ROW Waste	4,437.68 10.93 15.68 4,464.29
S-3615	Hamakua Sugar Co., Inc.	2/01/61-12/31/2008	Ookala-Manowaialee, N. Hilo & Hamakua	3-9-01:02, 07 3-9-02:08 4-1-01:06 4-1-05:01	1,081.560 20.852 <u>266.031</u> 1,368.443	A—Int. Ag. Cane ROW Waste	9,734.04 20.85 26.60 9,781.49
S-3616	Hamakua Sugar Co., Inc.	2/01/60-12/31/2008	Kaiaakea Makai Remainder, N. Hilo	3-4-03:11, 12, 13, 14, 16, 38 & 39	64.380 <u>15.703</u> 80.083	A—Int. Ag. Cane Waste	579.42 1.57 580.99
S-3617	Hamakua Sugar Co., Inc.	2/01/61-12/31/2008	Kaao-Paalaea Tract, Hamakua	4-5-01:07, 08, 13 & 16	335.100 5.800 <u>93.843</u> 434.743	A—Int. Ag. Cane ROW, Waste	865.00
S-3618	Laupahoehoe Transportation Co., Inc.	2/06/61-2/05/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:09	.775	U—Com/Ind.	17,885.00
S-3619	Mauna Kea Electric Inc.	2/06/61-2/05/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:39	.320	U—Com/Ind.	7,545.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3620	Chika Nakano Repair Shop, Inc.	2/06/61-2/05/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:04	.604	U—Com/Ind.	14,210.00
S-3621	Seair Corporation	2/24/61-2/23/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:06	.895	U—Com/Ind.	20,670.00
S-3622	Satoru Amano dba Amano Fish Cake Factory	3/20/61-3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:95	.320	U—Com/Ind.	7,605.00
S-3624	Railroad Avenue Partners	3/06/61-3/05/2016	Por. Waiakea, S. Hilo	2-1-12:26	4.499	U—Com/Ind.	27,635.00
S-3631	A&A Hawaii, Inc.	3/20/61-3/29/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:79	.241	U—Com/Ind.	5,735.00
S-3653	Andrews Trucking Service	3/20/61-3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:81	.256	U—Com/Ind.	6,095.00
S-3654	Kohala Sugar Co.	11/08/61-11/07/91	Por. bottom of Pololu Valley, N. Kohala	5-1-01:06	141.000	A—Pasture	325.00
S-3660	K. Sakai Enterprises, Inc.	3/20/61-3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:77	.459	U—Com/Ind.	6,550.00
S-3662	Mauna Kea Agribusiness Co., Inc.	8/16/61-8/15/91	Piihonua, S. Hilo	2-3-28:11 2-3-29:12 2-3-31:01 2-3-32:01, 04 2-5-09:05, 27	1,198.990 159.620 14.330 602.931 1,975.871	A—Int. Ag. Cane Contributory Pasture Waste	10,499.68
S-3670	Machida, Inc.	3/20/61-3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:98	.344	U—Com/Ind.	8,190.00
S-3698	Bank of Hawaii	1/26/62-1/25/2017	Waiakea, S. Hilo	2-2-49:22	.687	U—Com/Ind.	7,880.00
S-3716	Masaru Shindo dba Hilo Soda Works	10/29/62-10/28/2017	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:15	.556	U—Com/Ind.	851.40
S-3718	Hilo Auto Electric & Carburetor Service	6/28/63-6/27/2018	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:80	.258	U—Com/Ind.	587.00
S-3722	Hawaii Baptist Convention	11/30/62-11/29/2017	Waiakea Cane Lots, S. Hilo	2-4-01:112	1.000	A—Unclass. Elee.	780.00
S-3723	S. K. Oda, Ltd.	11/30/62-11/29/2017	Por. Waiakea, S. Hilo	2-2-32:11	1.934	U—Com/Ind.	18,954.00
S-3729	Hubert S. Andrews dba Andrews Trucking Service	8/23/63-8/22/2018	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:78	.241	U—Com/Ind.	572.00
(D)S-3731	County of Hawaii, Board of Water Supply	7/01/64-6/30/2029	Mountain View Water System, Land Site #1, Puna	1-8-08:21	.181	C—Unclass.	Gratis
(D)S-3732	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Kaumana Cave, Hilo	2-5-06:30 & 04		A—Unclass.	Gratis
(D)S-3738	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Pahoa Cave, Puna	1-5-08:01 1-5-09:09 1-5-10:03	.041	A—Unclass.	Gratis
(D)S-3739	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Malana (Mackenzie Cave), Puna	1-3-07:06		C—Unclass.	Gratis
S-3742	Yasuo Kuwaye	11/12/63-11/11/2018	Waiakea Industrial Lots, Waiakea, S. Hilo	2-2-58:14	2.165	C—Com/Ind.	4,452.00



## General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-3744	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63-4/25/2013	Puuanahulu Cave, N. Kona	7-1-03: por. 01		C—Unclass.	Gratis
(D)S-3745	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63-4/25/2013	Pigeon Cave, Puuanahulu, N. Kona	7-1-04: por. 01		C—Unclass.	Gratis
S-3750	Jiro Tanaka dba Tanaka Electrical	4/26/63-4/25/2018	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:76	.274	U—Com/Ind.	622.00
(D)S-3751	County of Hawaii, Hilo Hospital Complex & Allied Facilities	6/07/63-6/06/2028	Piihonua, S. Hilo	2-3-27:02	20.401	U—Unclass.	1.00 Full Term
(D)S-3834	County of Hawaii, Board of Water Supply	4/24/64-4/23/2029	Under & Across Por. Hamakua Water Res., Ahualoa-Kaapahu-Pohakea Water System, Hamakua	4-5-11:01	.643	C—Unclass.	1.00 Full Term
S-3836	Oda Orchids, Inc.	6/16/64-6/15/2019	Waiakea, S. Hilo	2-2-48:01	7.855	U—Com/Ind.	565.56
S-3837	Inouye, Inc.	6/16/64-6/15/2019	Waiakea Hmstds., S. Hilo	2-2-44:04	10.000	U—Com/Ind.	1,700.00
(D)S-3844	University of Hawaii	7/24/64-7/23/2029	Hamakua Experiment Farm, Kaohe	4-3-10:07	185.000	A—Int. Ag.	Gratis
(D)S-3849	U.S. of America (Army)	8/17/64-8/16/2029	Pohakuloa Training Area	3-8-01:13	22,971.000	C—Unclass.	1.00 Full Term
(D)S-3853	U.S. of America (Army)	8/21/64-8/20/2029	Pohakuloa Water License Easements	4-4-16: por. 01	5.510	C—Unclass.	1.00 Full Term
(D)S-3855	County of Hawaii	10/11/63-10/10/2028	Kukuau 2nd & Waiakea, S. Hilo	2-2-06 2-2-11; 2-2-12; 2-2-31; & 2-2-32	1.912	U—Unclass.	Gratis
(D)S-3865	County of Hawaii, Board of Water Supply	8/28/64-8/27/2029	Utility Easements Panaewa, S. Hilo	2-2-48: por. 05	.182	U—Unclass.	1.00 Full Term
S-3875	Feed-Well, Inc.	8/12/66-8/11/2021	Kahema Street, Hilo	2-2-50:93	.689	U—Com/Ind.	1,800.00
(D)S-3887	Hilo Electric Light Co., Ltd.	1/20/65-1/19/95	Por. H.H.L., Humuula, N. Hilo	3-8-01:07	6.583	C—Unclass. ROW	360.00
(D)S-3888	Hawaiian Telephone Co.	1/20/65-1/19/2030	Waiakea Houselots, S. Hilo	2-2-37:63	.895	U—Com/Ind.	12,149.00
S-3908	Pacific Resort Management, Inc.	4/12/65-4/11/2030	Ocean View Lots, Waiakea, S. Hilo	2-1-05:28	2.319	U—Com/Ind.	15,000.00
(D)S-3916	County of Hawaii, Board of Water Supply	10/30/64-10/29/2029	Panaewa, Waiakea, S. Hilo	2-2-48:84	.204	U—Unclass.	Gratis
(D)S-3925	Hilo Electric Light Co., Ltd.	8/27/65-8/26/2030	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-58:20, 21, & 22	3.718	U—Unclass. ROW	7,566.00
(D)S-3927	Hilo Electric Light Co., Ltd.	9/24/65-9/23/95	Por. Kaohe, Hamakua	4-4-16:10	.881	U—Unclass.	300.00
S-3933	Roman Catholic Bishop of Honolulu	10/18/65-10/17/2030	Puako Beach Lots, Lalamilo, Waimea, S. Kohala	6-9-05:19	.643	U—Unclass. Elee.	334.00
S-3935	Roy S. & Martha S. Nagakura	10/18/65-10/17/2020	Waiakea Houselots, S. Hilo	2-2-37:66	.304	U—Com/Ind.	8,090.00
S-3948	Hamakua Sugar Co., Inc.	12/20/65-12/31/2008	Por. Hauola, Hamakua	4-3-03:02, 03, 04, 05, 06, & 07	155.290 4.730 160.020	A—Int. Ag. Cane	2,790.00

General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3949	Hawaiian Greenhouse, Inc.	12/20/65-12/19/2000	Keonepoko Hmstds, Pahoia	1-5-07:17	19.401	A-Int. Ag.	3,282.00
S-3950	Kulana Foods, Ltd.	12/20/65-12/19/2000	Waiakea Hmstds, S. Hilo	2-4-03:10 & 11	41.200	A—Pasture	180.00
S-3954	Tokio Miyashiro	11/24/65-11/23/2020	Panaewa Farm Lots, S. Hilo	2-4-49:30	10.097	A—Int. Ag.	485.00
S-3961	Melsan, Ltd.	4/15/66-4/14/2030	Por. Waiakea Peninsula, S. Hilo	2-1-03:05	5.000	U—Com/Ind.	32,670.00
S-3962	Eaton Magoon, Jr.	4/15/66-4/14/96	Haukalua Hmstds, 2nd, S. Kona	8-7-05:03 & 05	14.190	A—Int. Ag.	165.00
(D)S-3966	Transportation Department, U.S. Coast Guard	4/15/66-4/14/2031	Hoopuloa, S. Kona	8-9-04:21	1.427	C—Unclass	Gratis
S-3999	Divaco Cooperative	8/16/66-8/15/2021	Hilo Industrial Dev., Pohaku St. Section, Waiakea, S. Hilo	2-2-58:29 & 30	.918	U—Com/Ind.	2,184.00
S-4001	Jack Brysson Greenwell, & Norman Leonard Greenwell	8/16/66-8/15/91	Onouli 2nd Gov't Tract, S. Kona	8-1-05:01	423.000	A—Pasture	952.00
S-4002	Hamakua Sugar Co., Inc.	8/16/66-12/31/2008	Parcel A, Pohakuhaku-Kamau Gov't Rem; Parcels B, C, D, E, & F, Opihilala-Kapualei Gov't Remnant, Gov't Remainder Kemau II Makai Tract Kaohe I; Lot 21-A Pohakea Hmstds, Makai Section, Opihilala & Paauilo, Hamakua	4-3-04:04 4-3-05:01 4-3-06:01, 04, 08, 10, & 12 4-3-07:02 4-3-08:02 4-3-11:04	220.892	A—Int. Ag. Cane	3,080.00
S-4004	Christ Lutheran Church	8/16/66-8/15/2031	Por. Waiakea, S. Hilo	2-4-01:120	3.101	U—Unclass. Elee.	1,214.00
S-4005	John J. & Josephine Andrade	8/16/66-8/15/91	Ahualoa Reserve Remnants, Ahualoa Homesteads	4-5-11:06	13.496	A—Pasture	91.00
S-4018	First United Protestant Church of Hilo	10/06/66-10/05/2031	Piihonua, S. Hilo	2-3-27:16	3.572	U—Unclass. Elee.	4,095.00
S-4024	George Freitas Dairy, Inc.	11/29/66-11/18/91	Puuepa 2-Kokoiki Tract, N. Kohala	5-5-05:01	74.340	A—Pasture	1,200.00
S-4025	Palani Ranch Co., Inc.	11/29/66-11/28/91	Honuaula, N. Kona	7-4-01:03	1,608.500	A—Pasture	2,800.00
(D)S-4029	County of Hawaii	4/13/67-4/12/2032	Kealakehe, N. Kona	7-4-08:17 por.	30.319	C—Unclass.	Gratis
S-4097	Pauley Petroleum, Inc.	3/31/67-3/30/2032	Por. Waiakea, S. Hilo	2-1-09:07 & 31	.130	U—Unclass.	304.63
S-4098	Jerry M. & Elizabeth Alley	3/31/67-3/30/2032	Por. Waiohinu Gov't Remnants, Kau	9-5-02:40	.437	U—Unclass. ROW	24.00
S-4099	Richard Smart	3/31/67-3/30/2032	Across Por. Kamuela Airport	6-7-01:25 por.	.006	U—Unclass. ROW	1.00
(D)S-4102	Kilauea Council, Boy Scouts of America	4/15/66-4/14/2021	Honokaia, Hamakua	4-6-11:40	238.000	U—Unclass. Elee.	150.00
S-4105	James H. & Mabel M. Davis	9/06/67-9/05/2032	Puukapu, Waimea	6-4-01:60	.005	A—Unclass. ROW	5.00
S-4107	Hamakua Sugar Co., Inc.	9/06/67-12/31/2008	Lauka-Kulihai, Hamakua	4-6-01:07, 08, & 18	78.460 35.810 <u>3.710</u> 117.980	A—Int. Ag. Cane Waste ROW	1,020.00

**General Leases**

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4108	Hamakua Sugar Co., Inc.	9/06/67-12/31/2008	Hanapai, Hamakua	4-7-04:09, 11	34.700 8.850 43.550	A—Int. Ag. Cane Waste	451.10
S-4109	Hamakua Sugar Co., Inc.	9/06/67-12/31/2008	Hamakua	4-6-02:01, 02, & 07	143.140 14.130 3.600 160.870	A—Int. Ag. Cane Waste ROW	1,861.00
(D)S-4130	Hawaiian Telephone Co.	1/01/68-12/31/2023	N. Hilo	3-9-02:12	1.047	U—Com/Ind.	760.00
S-4138	Hale Nui Flowers, Inc.	1/12/68-1/11/2023	Waiakea, S. Hilo	2-4-49:25	10.008	A—Int. Ag.	552.00
(D)S-4139	Honolulu Gas Co. Ltd.	4/12/67-4/13/97	Hilo	2-2-27:02	.230	U—Com/Ind.	510.00
S-4141	Mauna Lani Resort, Inc.	2/23/68-2/22/93	S. Kohala	6-9-01:15	775.083	A—Int. Ag.	10,000.00
(D)S-4191	University of Hawaii	1/01/68-12/31/2033	Kaohe, Hamakua	4-4-15:09	13,321.054	C—Unclass.	Gratis
(D)S-4196	University of Hawaii	4/26/68-4/25/2023	S. Kohala	6-4-03:16, 97	196.414	A—Int. Ag.	1.00 Full Term
S-4201	Thrift Guaranty Corporation of Hawaii	9/26/68-9/25/2023	Waiakea, S. Hilo	2-2-58:33	.474	U—Com/Ind.	1,600.00
S-4202	Julio Resureccion	9/26/68-9/25/92	Keopu No. 2, N. Kona	7-5-01:22	17.490	A—Pasture	429.00
S-4203	Richard Smart	1/01/68-12/31/2033	S. Kohala	6-3-01: por. 02, 04, 06	.150	C—Watershed License	720.00
S-4205	Flowers, Inc.	9/26/68-9/25/2023	Waiakea, S. Hilo	2-4-49:31	60.000	A—Int. Ag.	3,312.00
S-4206	Sun Sun Lau, Ltd.	9/26/68-9/25/2033	Waiakea, S. Hilo	2-2-20:16 por.	.059	U—Unclass. ROW	80.00
S-4207	Hugo & Shirley Von Platen Luder	9/26/68-2/28/2021	N. Kona	7-5-09:64	.013	U—Unclass. ROW	16.36
S-4224	Richard Smart	2/07/69-2/06/94	N. Kohala	5-8-02:06	23.800	A—Pasture	96.00
S-4225	Mitsuo & Yaeko Kitagawa	2/07/69-2/06/2024	Waiakea, S. Hilo	2-4-49:11	10.021	A—Int. Ag.	576.00
S-4226	Joseph Chang, Sr.	2/07/69-2/06/89	Kokoiki, N. Kohala Kohala	5-5-04:51 & 52	4.934	A—Int. Ag.	45.00
S-4227	Azuba USA (Kona) Co., Ltd.	2/07/69-2/06/2034	Kahaluu, N. Kona	7-8-13:42	.128	U—Unclass. ROW	128.25
(S)S-4235	University of Hawaii Ltd.	4/11/69-4/10/2034	Humuula, N. Hilo	3-8-01:14	.057	C—Unclass. ROW	Gratis
S-4238	Yeishun & Akiko Gusukuma	6/12/69-6/11/89	Piha, N. Hilo	3-2-02:29	2.109	A—Int. Ag.	685.00
S-4239	Palani Ranch Co., Inc.	4/15/69-4/14/94	Kealakehe, N. Kona	7-4-02:07	1,232.000	A—Pasture	2,600.00
S-4246	Sim Wenner	8/09/69-8/08/94	Moeauoa I Gov't Remainder, N. Kona	7-5-01:19	6.890	A—Pasture	55.00



# General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4247	Ponoholo Ranch Ltd.	7/11/69-7/10/94	Pahinahina-Kiiokalani Tract, Section 1, N. Kohala	5-9-01: por. 04 5-9-03: por. 01 & 02 5-9-04:08 & por. 01, 07 & 11	5,865.000	A—Pasture	3,930.00
S-4248	Gill T. Causey	7/11/69-7/10/99	Kokoiki, N. Kohala	5-5-05:19	.652	A—Unclass. ROW	65.00
S-4249	Bank of Hawaii	7/11/69-7/10/2034	Honuaula, N. Kona	7-5-07: por. 58	.047	U—Unclass. ROW	11.11
S-4251	Woodrow Miller	9/12/69-9/11/94	Puuanahulu Homesteads., N. Kona	7-1-05:05	8.199	A—Int. Ag.	1,030.00
S-4252	Hilo Bay Hotel, Inc.	8/14/69-8/14/2015	Banyan Dr., Waiakea Peninsula, S. Hilo	2-1-05:45	.215	U—Com/Ind.	590.00
S-4253	Mauna Loa Investment Corp.	8/14/69-3/14/2015	Banyan Dr., Waiakea Peninsula, S. Hilo	2-1-05:46	1.054	U—Com/Ind.	3,300.00
S-4260	Kau Agribusiness Co., Inc.	9/29/69-9/28/2004	Hionaa & Kaalaiki, Kau	9-7-01:20	1,791.489	A—Int. Ag. Cane	7,150.00
S-4261	Kau Agribusiness Co., Inc.	9/29/69-9/28/2004	Kapapala & Kaalaala, Kau	9-7-01:01	539.562	A—Int. Ag. Cane	2,150.00
S-4262	Kau Agribusiness Co., Inc.	9/29/69-9/28/94	Waiohinu, Kau	9-5-05:03	378.870	A—Int. Ag. Cane	6,990.00
S-4263	Kau Agribusiness Co., Inc.	9/29/69-9/28/94	Kapapala, Kau	9-8-01:06	291.130	A—Int. Ag. Cane	6,130.00
S-4264	Haruyuki & Hatsue Tao	9/29/69-9/28/2024	Camp Site 8-A Waiakea, S. Hilo	2-4-07:27	.096	U—Unclass. ROW	2.67
S-4279	Anthuriums of Pahoia, Inc.	1/20/70-1/19/95	Por. Nanawale Res., Kaniahiku, Puna	1-4-34:26	3.008	A—Int. Ag.	680.00
S-4280	Kinji & Tsuneyo Uyeda	1/20/70-1/19/95	Por. Nanawale Res., Kaniahiku, Puna	1-4-34:27	2.172	A—Int. Ag.	465.00
S-4281	Richard Smart	1/20/70-1/19/95	Puukole-Paoo Tract, N. Kohala	5-7-01:04	2,464.290	A—Pasture	4,500.00
S-4282	Kau Agribusiness Co., Inc.	1/20/70-1/19/95	Hionaa-Kaalaiki Tract, Kau	9-5-15:03	1,669.000 80.000 448.290 2,197,290	A—Int. Ag. Cane Contributory Waste	23,543.00
S-4283	Kapalama Commercial Center	1/20/70-1/19/2010	Hilo Ind. Dev., Pohaku St., Section 1, Waiakea, S. Hilo	2-2-58:25	.439	U—Com/Ind.	1,600.00
S-4284	Kapalama Commercial Center	1/20/70-1/19/2025	Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo	2-2-37:81	.826	U—Com/Ind.	4,860.00
S-4285	Hamakua Sugar Co., Inc.	1/20/70-12/31/2008	Parcel A & B, Honokaia Makai Tract, Hamakua	4-6-03:01, 02, 20 4-6-04:01, 03	477.100 23.430 165.919 666.449	A—Int. Ag. Cane Waste	9,050.00
S-4287	Antone & Helen Texeira	1/20/70-1/19/2025	Easement—Pohakuhaku & Kemau, Hamakua	4-3-06:16	.330	A—Unclass. ROW	1.09
(D)S-4288	Honolulu Gas Co., Ltd.	5/07/69-50/62/2024	Kealakehe, N. Kona	7-4-08: por. 16 & 17	.354	C—Unclass. ROW	430.00
S-4299	Ah Chun Lee	5/12/70-5/11/95	Kaimu-Kiula Hmstd., Makena & Kaimu, Puna	1-2-06:05	378.131	A—Pasture	350.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4300	Pohaku Enterprises, Inc.	5/12/70-5/11/2025	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:35	1.435	U—Com/Ind.	8,000.00
S-4302	Yamada Transfer Inc.	5/12/70-5/11/2025	Waiakea Houselots, & Gov't Remnant, S. Hilo	2-2-37:89	4.823	U—Com/Ind.	16,985.00
S-4303	David Deluz	6/11/70-6/10/2010	Waiakea Houselots Ext., Waiakea, S. Hilo	2-2-58:15	.608	U—Com/Ind.	6,100.00
S-4306	Terry Hay	6/30/70-6/29/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:04	.331	U—Com/Ind.	1,125.00
S-4307	Geo. Co., Inc.	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:03	.278	U—Com/Ind.	980.00
S-4308	Hilo Sheet Metal, Inc.	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:02	.551	U—Com/Ind.	1,350.00
S-4309	The Investment Corporation	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:32	.459	U—Com/Ind.	1,620.00
S-4310	Alumside Products, Inc.	6/30/70-6/29/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:31	.459	U—Com/Ind.	1,620.00
S-4311	Industrial Steel Corporation	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:27 & 28	.877	U—Com/Ind.	3,100.00
S-4312	Richard M. & Corliss T. Hirai	6/30/70-6/29/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:26	.439	U—Com/Ind.	1,550.00
S-4313	Scott T., Bernice N. & Thomas T. Nakahara	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:24	.255	U—Com/Ind.	920.00
S-4314	Scott T., Bernice N. & Thomas T. Nakahara	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:23	.273	U—Com/Ind.	930.00
S-4316	Mike Dietz Golf Shop, Inc. A/S Bayshore Realty Investment, Inc.	6/23/70-6/22/2025	Waiakea Golf Course, S. Hilo	2-1-01:12	63.248	U—Com/Ind.	5,500.00
S-4317	Hisato & Tsuyako Ogata	6/30/70-6/29/2025	Easement—Waiakea	2-4-33:18 por.	.045	U—Unclass. ROW	10.00
S-4319	Kinoole	2/01/71-1/31/2046	Por. Gov't Land at Waiakea	2-4-25:01	1.025	U—Unclass. Elee.	1.00
(D)S-4320	Hawaiian Telephone Co.	1/01/70-12/31/2035	Halai Hill, Hilo	2-3-22: por. 37	.321	U—Unclass. ROW	73.00
S-4323	C. Brewer & Co., Ltd.	11/10/70-11/09/2035	Waiakea, S. Hilo	2-1-10:33	3.706	U—Com/Ind.	15,500.00
S-4330	Fortunato Garcia Teho et. al. A/S William Christian Fisher, II	4/16/71-4/15/2026	Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo	2-2-37:122	.416	U—Com/Ind.	2,808.00
S-4331	Pacific Consolidated Investments	4/16/71-4/15/2026	Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo	2-2-37:144	.516	U—Com/Ind.	1,950.00
S-4332	Pacific Consolidated Investments	4/16/71-4/15/2026	Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo	2-2-37:145	.548	U—Com/Ind.	1,950.00
S-4333	Hawaiian Fruit Flavors, Inc.	7/15/71-7/14/2011	Waiakea Houselots, S. Hilo	2-2-37:56	.448	U—Com/Ind.	3,175.00
S-4334	Big Island Agricultural Producers, Inc.	4/16/71-4/15/96	Panaewa Farm Lots, S. Hilo	2-4-49:24	10.231	A—Int. Ag.	900.00
S-4336	Solomon Thompson	4/16/71-4/15/91	Haukalua Hmstds.	8-7-04:05, 07, 08, 09 & 10	28.150	A—Pasture	475.00
S-4344	Hilo Medical Building Partnership	12/27/71-12/26/2026	Por. of Gov't Land at Piihonua	2-3-27:25	2.052	U—Com/Ind.	4,088.90

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(D)S-4351	University of Hawaii	3/10/72-3/09/2037	Student Housing Site, Waiakea, S. Hilo	2-4-01:07	6.566	U—Res.	Gratis
(D)S-4357	Daughters of Hawaii	8/25/72-8/24/2037	Old Palace Lot, Kailua, N. Kona	7-5-07:20	1.284	U—Unclass. Elee.	100.00
S-4359	William T. White, III	8/17/72-8/16/2027	Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo	2-2-37:88	.413	U—Com/Ind.	4,000.00
S-4364	TSI, Ltd.	8/17/72-8/16/2027	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:17	12.683	A—Int. Ag.	5,000.00
S-4366	Paul Mayeda	8/17/72-8/16/2027	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:06	10.008	A—Int. Ag.	2,900.00
S-4370	The Orizaba Co.	11/17/72-11/16/2037	Por. Gov't Land of Waiakea, S. Hilo	2-4-08:01	5.938	A—Unclass. ROW	51.00
S-4379	David DeLuz	6/14/73-6/13/2010	Waiakea Houseslots ext. Waiakea, S. Hilo	2-2-58:36	.895	U—Com/Ind.	7,000.00
S-4415	B. K. Exotics, Inc.	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:01	10.193	A—Int. Ag.	285.00
S-4416	Joseph S. Dalrymple	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:02	10.000	A—Int. Ag.	480.00
S-4417	Jason A. Hashimoto	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:03	10.000	A—Int. Ag.	280.00
S-4418	Inouye, Inc.	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:04	10.000	A—Int. Ag.	280.00
S-4420	Ronald K. Iwata	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:06	10.000	A—Int. Ag.	480.00
S-4422	Lon W. Smith & Teruo T. Smith	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:08	10.000	A—Int. Ag.	280.00
S-4423	David R. Shiigi	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:09	10.000	A—Int. Ag.	280.00
S-4424	Kenneth M. & Karen Delimont	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:10	10.000	A—Int. Ag.	280.00
S-4425	Cadwallader, Inc.	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:11	30.000	A—Int. Ag.	840.00
S-4426	Kazumasa Ikeda	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:12	29.166	A—Int. Ag.	817.00
S-4428	Oren J. Tsunozumi	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:14	20.000	A—Int. Ag.	760.00
S-4429	Yukio Murayama	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:15	19.596	A—Int. Ag.	549.00
S-4430	Shigenari Shimabukuro	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:16	15.325	A—Int. Ag.	429.00
S-4432	Vernon B. Inouye	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:19	16.839	A—Int. Ag.	471.00
S-4438	Gasco, Inc.	11/01/73-10/31/2038	Piihonua, S. Hilo	2-3-15:01 por.	.033	U—Unclass. ROW	2.46
S-4443	Hawaii Planing Mill, Ltd.	9/04/75-9/03/2030	Lot 1-B, Hilo Ind. Dev. Pohaku St. Section, Waiakea, S. Hilo	2-2-58:01	2.049	U—Com/Ind.	12,000.00
S-4445	Green Point Nurseries, Inc.	9/04/75-9/03/2010	Lot 12, 13, 14, Panaewa Farm Lots, 2nd Ser., Waiakea, S. Hilo	2-4-49:26, 27 & 28	30.340	A—Int. Ag.	4,100.00
S-4446	H. Eunice Nursery, Inc.	9/04/75-9/03/2010	Lot 18, Panaewa Farm Lots, 2nd Ser., Waiakea, S. Hilo	2-4-49:02	10.021	A—Int. Ag.	1,200.00



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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4447	Larry T. & Yoshiko Kimura	9/04/75-9/03/2010	Lot 23, Panaewa Farm Lots, 2nd Ser., Waiakea, S. Hilo	2-4-49:07	10.008	A—Int. Ag.	3,100.00
S-4448	Polynesian Orchids, Inc.	9/04/75-9/03/2010	Lot 22, Volcano Farm Lots, Olaa, Puna	1-9-01:18	29.880	A—Int. Ag.	2,800.00
S-4450	Anthony J. & Ellen C. Vincent	9/04/75-9/03/2030	Lot 19, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:03	10.021	A—Int. Ag. Res.	1,100.00
S-4453	Willa McCoy	9/04/75-9/03/2030	Lot 24, Panaewa Farm Lots, 2nd Ser., Waiakea,	2-4-49:08	10.021	A—Int. Ag. Res.	820.00
S-4455	Palms, Inc.	9/04/75-9/03/2030	Lot 26, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:10	10.021	A—Int. Ag. Res.	1,700.00
S-4456	Jules J. Gervais, Jr. & Soontaree Gervais	9/04/75-9/03/2030	Lot 28, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:12	6.784	A—Int. Ag. Res.	1,050.00
S-4459	Lawrence Balberde, Jr.	9/04/75-9/03/2030	Lot 21, Panaewa Farm Lots, 2nd Ser., Waiakea	2-2-56:18	2.615	A—Int. Ag. Res.	1,000.00
S-4461	Joseph Gomes	9/04/75-9/03/1995	Por. Lot 1-B, Hienaloli St., N. Kona	7-5-10:16	36.310	A—Pasture	1,850.00
S-4463	Richard Smart	3/01/76-2/28/2011	Land of Keoniki & Kauniho, Waimea	6-5-01:10	230.000	A—Pasture	2,365.00
S-4464	Richard Smart	3/01/76-2/28/2011	Land of Haleaha, Waimea	6-5-01:06	135.000	A—Pasture	1,225.00
S-4465	Richard Smart	3/01/76-2/28/2011	Land of Keanuiomano & Puuiki, Waimea	6-5-01:20	420.000	A—Pasture	3,480.00
S-4466	William V. Brilhante, Inc. dba Hawaii Cattle Co., Ltd.	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:04 & 05	742.497	A—Pasture	8,100.00
S-4467	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:03	739.311	A—Pasture	7,665.00
S-4468	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:11	738.233	A—Pasture	6,960.00
S-4469	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:12	522.000	A—Pasture	7,095.00
S-4470	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:13	500.000	A—Pasture	6,795.00
S-4471	Richard Smart Revocable Personal Trust	3/01/76-2/28/2011	Land of Kaohe-3, Hamakua	4-4-15:02	1,738.932	A—Pasture	4,240.00
S-4472	Kukaiau Cattle Corporation	3/01/76-2/28/2011	Land of Hoea-Kaao, Hamakua	4-2-08:02	1,902.000	A—Pasture	11,470.00
S-4473	Ernest & Marian De Luz	3/01/76-2/28/2011	Land of Kaohe-6, Hamakua	4-1-06:07	3,110.000	A—Pasture	10,465.00
S-4474	Richard Smart	3/01/76-2/28/2011	Land of Puu Kawaiwai, Panoluukia & Kapia, S. Kohala	6-2-01:03 & 05	2,978.000	A—Pasture	10,545.00
S-4475	K. K. Ranch, Inc.	3/01/76-2/28/2011	Land of Kalopa & Kaohe-3, Hamakua	4-4-14:02 & 03	7,282.000	A—Pasture	28,375.00
S-4476	Alfred J. Nobriga	3/01/76-2/28/2011	Land of Piihonua, S. Hilo	2-6-18:01	5,995.000	A—Pasture	26,230.00
S-4477	S. C. Ranch Co., Inc.	3/01/76-2/28/2011	Land of Kaohe-2, Hamakua	4-3-10:08	7,780.000	A—Pasture	34,735.00
S-4478	Boteilho Hawaii Enterprises, Inc.	3/01/76-2/28/2011	Land of Kaohe-2, Hamakua	4-3-10:02	7,932.000	A—Pasture	33,595.00

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S-4483	Leslie W. Wishard	1/01/76-12/31/2005	Lalamilo, S. Kohala	6-6-01:01 & 02	.082	A—Unclass. ROW	11.83
S-4484	Donn W. Carlsmith	11/01/75-4/30/2013	Waiakea & Piihonua, S. Hilo	2-4-08:04 2-6-18:01	18.852	C—Unclass. ROW	10.00
S-4514	South Pacific Christian Camps, Inc.	1/01/76-12/31/2031	Makapala, N. Kohala	5-2-08:03	4.102	U—Unclass. Elee.	1.00
S-4541	Kansako Farms, Inc.	8/26/76-8/25/2001	Hakalau-Iki, S. Hilo	2-9-02:47	6.793	A—Int. Ag. Cane	370.00
S-4542	Richard A. G. Pintane	8/26/76-8/25/96	Laupahoehoe, N. Hilo	3-6-01:08	11.790	A—Pasture	100.00
S-4545	Honua Hawaii Foundation, Inc.	12/24/76-12/23/2041	Waiakea Forest Reserve, Panaewa Reserve, S. Hilo	2-4-04: por. 01 2-4-08: por. 01	202.128	A—Rec.	1.00
S-4548	Alex Jr. & Candice A. Penovaroff	2/10/77-2/09/2032	Lalamilo Farm Lots, Waimea, S. Kohala	6-6-05:21	16.958	A—Int. Ag. Res.	3,100.00
S-4549	Blackburn Lee Snow	2/10/77-2/09/2032	Lalamilo Farm Lots, Waimea, S. Kohala	6-6-05:26	35.818	A—Int. Ag. Res.	3,350.00
(D)S-4552	County of Hawaii	11/01/75-10/31/2040	Waiakea, S. Hilo	2-4-02: por. 1	1.080	U—Unclass. ROW	1.00
(D)S-4553	Fujiyama Development Corp.	10/07/76-10/06/2041	Waiakea, S. Hilo	2-2-31	.592	U—Unclass. ROW	650.00
S-4556	Island Tropicals	4/22/71-4/21/2012	Kaumana, S. Hilo	2-5-03:21	26.072	A—Com/Ind.	3,200.00
(D)S-4563	University of Hawaii	9/24/76-9/23/2041	Waiakea, S. Hilo	2-4-01:7 & 41	20.000	A—Unclass.	Gratis
(D)S-4565	County of Hawaii	12/08/77-12/07/87	Keahuolu & Lanihau Nui, N. Kona	7-5-05:70, 71, 78, por. 7	14.082	U—Unclass.	Gratis
S-4566	YWAM-International Christian Schools	7/19/76-7/18/2001	Holualoa, N. Kona	7-4-06:01 por.	1.400	A—Unclass.	100.00
(D)S-4569	University of Hawaii	6/15/78-6/14/2043	Waiakea, S. Hilo	2-4-01:07	13.434	U—Res.	Gratis
(D)S-4577	Mauna Ziona Congregational Church	6/15/78-6/14/2013	Kalaoa, N. Kona	7-3-04:051	1.440	A—Unclass.	100.00
(D)S-4594	University of Hawaii	7/18/79-7/17/2044	Waiakea, S. Hilo	2-4-01: por. 07	36.088	U—Unclass.	Gratis
S-4595	Thomas M. Okuna	1/27/79-1/26/2004	Waiohinu, Kau	9-5-03:19 9-5-05:02	272.790	A—Pasture	2,100.00
S-4600	Dillingham Partners	12/29/78-12/28/2043	Honomalino & Hoopuloa, S. Kona	8-9-01	26.040	A—Unclass. ROW	6,800.00 Full Term
(D)S-4601	Hilo Association to Help Retarded Citizens	12/15/78-12/14/2053	Waiakea, S. Hilo	2-4-56:02 & 20	1.607	U—Unclass. Elee.	1.00
(D)S-4602	Research Corporation of the University of Hawaii	6/19/79-6/18/1989	Kapoho, Puna	1-4-01:03	4.100	A—Unclass.	1.00 Full Term
(D)S-4604	Hilo Association to Help Retarded Citizens	7/01/79-6/30/2054	Lots 128, 129, 130 Kaumana Houselots, S. Hilo	2-5-04:92	.853	U—Res.	1.00
S-4608	Brantly Center, Inc.	6/1/77-5/31/2042		4-5-01:11 4-5-01:18	1.248	A—Int. Ag.	1.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4609	University of Hawaii	1/1/80-12/31/2035	Waimea, S. Kohala	6-6-03:7	10.561	A—Unclass.	Gratis
(D)S-4610	Big Island Housing Foundation	7/1/78-6/30/2053	Waiakea, S. Hilo	2-4-56: por. 19	7.159	U—Res.	1.00 per annum
S-4614	Hawaiian Telephone Co.	1/1/77-1/30/2042	Humuula, N. Hilo	3-8-01:01	.200	C—Unclass	263.00
S-4620	Gordon E. Inouye	5/1/80-4/30/2035	Keonepoko Iki Puna	1-5-116:7	10.000	A—Int. Ag.	400.00
S-4621	Pahoehoe Tree Farm, Inc.	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:13	25.000	A—Int. Ag.	1,000.00
S-4622	Bigrock Anthuriums, Inc.	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:17	15.000	A—Int. Ag.	600.00
S-4623	Wilfred & Merle Okabe	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:20	10.000	A—Int. Ag.	400.00
S-4624	Yoshiaki & Marion Noguchi	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:21	10.000	A—Int. Ag.	400.00
S-4625	Calvin K. & Cary Lynne Hayashi	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:22	10.000	A—Int. Ag.	400.00
S-4626	Raymond H. & Jean Iwata	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:23	10.000	A—Int. Ag.	400.00
S-4627	George & Thelma Kawaguchi	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:24	10.000	A—Int. Ag.	400.00
S-4628	Cadwallader, Inc.	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:27	30.000	A—Int. Ag.	1,200.00
S-4629	Mordecai H. Jr. & Michiko Hudson	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:26	21.276	A—Int. Ag.	851.00
S-4630	Ryoichi & Reiko Okamoto	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:25	16.501	A—Int. Ag.	660.00
S-4632	Kualoa Farms, Ltd.	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:32	9.079	A—Int. Ag.	3,700.00
S-4633	Jules J. Jr. & Soontaree Gervais	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49: por. 19	23.277	A—Int. Ag.	9,500.00
S-4634	Donald J. & Carolyn Lee Hunter	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:20	10.243	A—Int. Ag.	6,000.00
S-4635	Melchor V. & Avelina V. Ventura	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:21	10.243	A—Int. Ag.	6,500.00
S-4636	Karl Hori	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:22	10.243	A—Int. Ag.	4,000.00
S-4637	Panaewa Tropicals, Inc.	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:04	10.021	A—Int. Ag.	3,400.00
S-4638	Big Island Plant & Foliage, Inc.	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:09	10.021	A—Int. Ag.	6,500.00
S-4639	Thomas Kasecky	5/1/80-4/30/2005	Kaapahu, Hamakua	4-4-11:33	5.400	A—Int. Ag.	3,500.00
S-4640	Michael G. Mentnech & Charlene F. Lagrimas	5/1/80-4/30/2035	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:23	10.243	A—Int. Ag.	3,600.00
S-4642	Austin F. & Betty F. Keeney	5/8/80-5/7/2035	Olaa, Puna	1-8-06:103	49.082	A—Int. Ag.	2,500.00
S-4662	James C. Wo	8/28/80-8/27/2035	Waiakea, S. Hilo	2-1-12:25	1.420	U—Com/Ind.	29,200.00
S-4663	Yamada Transfer, Inc.	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-37:94 & 95	.918	U—Com/Ind.	27,000.00



# General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4664	James E. Miles	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-37:97	.391	U—Com/Ind.	8,600.00
S-4665	H. Harada Contractor, Inc.	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-37:98	1.019	U—Com/Ind.	22,500.00
S-4667	HIW-Hawaii, Inc.	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-58:12 & 13	.601	U—Com/Ind.	18,100.00
S-4668	Yasuo Kuwaye	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-58:39	.601	U—Com/Ind.	13,300.00
S-4670	Jas. W. Glover, Ltd.	2/11/81-2/10/2001	Waiakea, S. Hilo	2-1-12:04	74.314	U—Com/Ind.	125,000.00
(D)S-4673	U.S. of America, Dept. of Transportation, Federal Aviation Adm.	12/1/80-11/30/2045	Humuula, N. Hilo	3-8-01: por. 1	.435	C—Unclass.	Gratis
S-4680	Carol Gall	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:01	7.279	A—Int. Ag.	510.00
S-4681	Soyei Arakaki	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:02	4.551	A—Int. Ag.	320.00
S-4682	Landscape Images, Inc.	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:03	5.007	A—Int. Ag.	350.00
S-4683	Hawaii Cultural Farms Inc.	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:04	5.005	A—Int. Ag.	350.00
S-4684	Alika & Alma Cooper	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:05	6.023	A—Int. Ag.	420.00
S-4685	Frederick S. & Nancy K. Nonaka	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:06	5.183	A—Int. Ag.	360.00
S-4686	R. Kelly Greenwell	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:07	5.047	A—Int. Ag.	355.00
S-4687	Kona Orchids, Inc.	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:08	4.758	A—Int. Ag.	335.00
S-4688	Exotics Hawaii-Kona, Inc.	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:09	8.164	A—Int. Ag.	570.00
S-4689	Monico Castillo	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:10	5.061	A—Int. Ag.	355.00
S-4690	Keahole Farm, Inc.	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:11	4.758	A—Int. Ag.	335.00
S-4691	Keahole Nursery, Inc.	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:12	5.047	A—Int. Ag.	355.00
(D)S-4696	Hilo Association to Help Retarded Citizens	7/1/79-6/30/2054	Kaumana, S. Hilo	2-5-04	.456	U—Unclass. Roadway	1.00 Full Term
S-4698	Kinoole Baptist Church	6/1/80-5/31/2035	Pahoa Village Lots, Keonepoko Iki, Puna	1-5-117:24 & 25	.689	U—Unclass. Church	1,822.00
S-4717	Natural History Laboratory of Hawaii	11/1/78-10/31/2034	Keahole Airport, N. Kona	7-3-43:3 & 4	321.800	U—Unclass.	1.00
(D)S-4725	Easter Seal Society of Hawaii	7/1/81-6/30/2046	Piihonua, S. Hilo	2-3-15: por. 1	1.000	U—Crippled Children Ctr.	1.00
(D)S-4726	Hawaii County Economic Opportunity Council	5/1/81-4/30/2001	Ponahawai, S. Hilo	2-5-06:11	59.143	A—Agr. Trng. Purposes	1.00
S-4748	Guy Ha	1/1/82-12/31/2036	Lot 1, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:27	10.033	A—Int. Ag.	1,205.00
S-4749	Clarence Kim	1/1/82-12/31/2036	Lot 2, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:28	10.191	A—Int. Ag.	1,225.00

# General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4750	Richard M. C. Kim, Inc.	1/1/82-12/31/2036	Lot 3, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:29	10.052	A—Int. Ag.	1,205.00
S-4751	Panaewa Farm, Inc.	1/1/82-12/31/2036	Lot 4, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:30	10.112	A—Int. Ag.	1,215.00
S-4752	Alika & Alma Cooper	1/1/82-12/31/2036	Lot 5, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:31	10.032	A—Int. Ag.	1,205.00
S-4753	Philip J. & Carole K. Ito	1/1/82-12/31/2036	Lot 6, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:32	10.212	A—Int. Ag.	1,225.00
S-4754	Harris S. & Elizabeth L. Asahara	1/1/82-12/31/2036	Lot 7, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:33	10.170	A—Int. Ag.	1,220.00
S-4755	George T. Nishimura	1/1/82-12/31/2036	Lot 8, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:34	10.083	A—Int. Ag.	1,210.00
S-4756	Charles & Shirley Kanoa	1/1/82-12/31/2036	Lot 9, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:35	10.021	A—Int. Ag.	1,205.00
S-4757	Raymond H. & June M. Savella	1/1/82-12/31/2036	Lot 10, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:36	10.042	A—Int. Ag.	1,205.00
S-4758	Sumio & Kiyoko Janet Masumoto	1/1/82-12/31/2036	Lot 11, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:37	20.065	A—Int. Ag.	2,005.00
S-4759	Masao & Evelyn Y. Nakamura	1/1/82-12/31/2036	Lot 12, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:38	20.016	A—Int. Ag.	2,000.00
S-4760	Donald S. & Helen E. Shintaku	1/1/82-12/31/2036	Lot 13, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:39	18.698	A—Int. Ag.	1,870.00
S-4761	Katsuki & Jane K. Kubo	1/1/82-12/31/2036	Lot 14, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:40	20.099	A—Int. Ag.	2,010.00
S-4762	Jack L. Branco	1/1/82-12/31/2036	Lot 15, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:41	20.650	A—Int. Ag.	2,065.00
S-4763	Ono Nut Farms, Inc.	1/1/82-12/31/2036	Lot 16, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:42	20.025	A—Int. Ag.	2,000.00
S-4764	Young Dai & Sook Ja Kim	1/1/82-12/31/2036	Lot 17, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:43	10.003	A—Int. Ag.	1,200.00
S-4765	Hawaii Foliage Exports, Inc.	1/1/82-12/31/2036	Lot 18, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:44	10.087	A—Int. Ag.	1,210.00
S-4766	Emil J. Yadao	1/1/82-12/31/2036	Lot 19, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:45	10.030	A—Int. Ag.	1,205.00
S-4767	James & Julie A. Farrell	1/1/82-12/31/2036	Lot 20, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:46	10.146	A—Int. Ag.	1,220.00
S-4768	Richard M. & Ruth H. Matsuura	1/1/82-12/31/2036	Lot 21, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:47	10.011	A—Int. Ag.	1,200.00
S-4769	Roy S. & H. Eunice Shigenaga	1/1/82-12/31/2036	Lot 22, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:48	10.070	A—Int. Ag.	1,210.00
S-4770	Yoshiyuki & Sandra T. Ota	1/1/82-12/31/2036	Lot 23, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:49	10.024	A—Int. Ag.	1,205.00
S-4771	Calvin F. & Doreen T. Nogami	1/1/82-12/31/2036	Lot 24, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:50	10.059	A—Int. Ag.	1,205.00
S-4772	Shigeji & Mieko M. Kawasaki	1/1/82-12/31/2036	Lot 25, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:51	10.011	A—Int. Ag.	1,200.00
S-4773	Kiyoshi & Lily M. Inada	1/1/82-12/31/2036	Lot 26, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:52	10.010	A—Int. Ag.	1,200.00
S-4774	Thomas Y. & Sharon S. Kadota	1/1/82-12/31/2036	Lot 27, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:53	10.203	A—Int. Ag.	1,225.00
S-4775	Henry M. & Loraine Y. Terada	1/1/82-12/31/2036	Lot 28, Panaewa Ag. Park, Waiakea, S. Hilo	2-2-56:54	10.119	A—Int. Ag.	1,215.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4786	Hilo Trading Co., Ltd.	3/23/82-3/22/2037	Waiakea, S. Hilo	2-1-03: por. 8	1.010	U—Com/Ind.	16,000.00
S-4787	Frank G. & Lynn Belcher	3/23/82-3/22/2017	Kau & Nukakaia, Kau	9-4-05:16	30.649	A—Pasture	900.00
S-4789	Llewellyn L. Biven & Francine D. Sapla	3/23/82-3/22/2017	Lot 11, Papa Hmstds. Papa 1st, S. Kona	8-8-04:11	7.210	A—Int. Ag.	3,325.00
S-4790	Fred Soriano	3/23/82-3/22/2017	Lot 10, Papa Hmstds. Papa 1st, S. Kona	8-8-04:10	7.850	A—Int. Ag.	3,320.00
S-4791	Raymond H. Nicola, Jr.	5/1/82-4/30/2037	Lot 1, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:28	5.002	A—Int. Ag.	350.00
S-4792	Michael Y. W. Au	5/1/82-4/30/2037	Lot 2, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:29	5.002	A—Int. Ag.	350.00
S-4793	Young Soo & Arlene C. Kim	5/1/82-4/30/2037	Lot 3, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:30	5.002	A—Int. Ag.	350.00
S-4794	Clifford N. Kaminaka	5/1/82-4/30/2037	Lot 4, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:31	5.000	A—Int. Ag.	350.00
S-4795	Oliver K. & Maizie K. Roberts	5/1/82-4/30/2037	Lot 5, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:32	5.000	A—Int. Ag.	350.00
S-4796	Kenneth M. Delimont, Jr. & Karen Delimont	5/1/82-4/30/2037	Lot 6, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:33	5.002	A—Int. Ag.	350.00
S-4797	Sotero G. & Honorata M. Ganir	5/1/82-4/30/2037	Lot 7, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:34	5.002	A—Int. Ag.	350.00
S-4799	Neil Anderson	5/1/82-4/30/2037	Lot 9, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:36	5.002	A—Int. Ag.	350.00
S-4800	Curtis K. Kohashi	5/1/82-4/30/2037	Lot 19, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:46	5.009	A—Int. Ag.	350.00
S-4801	Ronald T. & Merlene S. Nitta	5/1/82-4/30/2037	Lot 10, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:37	5.000	A—Int. Ag.	350.00
S-4802	Robert Fujitake	5/1/82-4/30/2037	Lot 11, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:38	5.000	A—Int. Ag.	350.00
S-4803	Allenn R. Watanabe	5/1/82-4/30/2037	Lot 12, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:39	5.002	A—Int. Ag.	350.00
S-4804	Dennis M. & Marion Kapuras	5/1/82-4/30/2037	Lot 13, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:40	5.002	A—Int. Ag.	350.00
S-4805	Wade M. Okamoto	5/1/82-4/30/2037	Lot 14, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:41	5.002	A—Int. Ag.	350.00
S-4806	Eugene & Gloria G. Kaluna	5/1/82-4/30/2037	Lot 15, Pahoa Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:42	5.266	A—Int. Ag.	370.00



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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4807	Elston Takayama & Lew Nakamura	5/1/82-4/30/2037	Lot 16, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:43	5.335	A—Int. Ag.	375.00
S-4808	Monico & Raymonda E. Lombe	5/1/82-4/30/2037	Lot 17, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:44	5.511	A—Int. Ag.	385.00
S-4809	Pahoia Farms, Ltd.	5/1/82-4/30/2037	Lot 18, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:45	5.842	A—Int. Ag.	410.00
S-4810	Neal T. Okimoto	5/1/82-4/30/2037	Lot 20, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:47	5.200	A—Int. Ag.	365.00
S-4811	Leonard P. Paresa, Jr.	5/1/82-4/30/2037	Lot 21, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:48	5.656	A—Int. Ag.	395.00
S-4816	Richard W. & Sandra L. Whiting	5/1/82-4/30/2037	Lot 26, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:53	6.132	A—Int. Ag.	430.00
S-4817	Yoso & Kikuko Kuwahara	5/1/82-4/30/2037	Lot 27, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:54	6.392	A—Int. Ag.	445.00
S-4819	Teruo & Natsuyo Obayashi	5/1/82-4/30/2037	Lot 29, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:56	6.046	A—Int. Ag.	425.00
S-4820	Glenn J. Morrison	5/1/82-4/30/2037	Lot 30, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:57	5.064	A—Int. Ag.	355.00
S-4821	Wajira Wansa	5/1/82-4/30/2037	Lot 31, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:58	5.017	A—Int. Ag.	350.00
S-4822	Steven L. Oleson	5/1/82-4/30/2037	Lot 32, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:59	5.005	A—Int. Ag.	350.00
S-4823	Russell I. & Laura S. Kuwahara	5/1/82-4/30/2037	Lot 33, Pahoia Ag. Pk. Phase II, Keonepoko Iki, Puna	1-5-116:60	5.770	A—Int. Ag.	405.00
S-4824	Kenneth M. Kudo	5/1/82-4/30/2037	Lot 5, Pahoia Ag. Pk. Phase I, Keonepoko Iki, Puna	1-5-116:05	10.000	A—Int. Ag.	900.00
S-4729	County of Hawaii	1/1/82-12/31/2002	Waiakea, S. Hilo	2-1-13: por. 2	60.000	U—Unclass. Sanitary Land Fill	Gratis
S-4830	Walter F. Weldon, Jr., Norman L. Kasparson, E. J. Caldecott & James J. Degman, Trustees	7/31/82-7/30/2007	Ooma 2, N. Kona	7-3-09:05	.951	U—Unclass. ROW	10,838.00 Full Term
S-4831	Tamotsu Kitagawa	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:14	5.272	A—Int. Ag.	475.00
S-4832	Alexander & Betty Y. Tirado	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:15	5.111	A—Int. Ag.	460.00
S-4834	Stanley T. & Cynthia T. Tomono	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:17	5.110	A—Int. Ag.	460.00
S-4835	Melvin N. & Mitzi Kadohiro	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:18	5.906	A—Int. Ag.	530.00

# General Leases

## Island of Hawaii

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4836	Josanne M. Ma	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:19	5.015	A—Int. Ag.	450.00
S-4837	Curtis Y. Nakaoka	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:20	5.015	A—Int. Ag.	450.00
S-4838	Robert H. Elliott	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:21	5.015	A—Int. Ag.	450.00
S-4839	Fetulima & Brenda L. Tamasese	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:22	5.015	A—Int. Ag.	450.00
S-4840	Kato, Inc.	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:23	5.027	A—Int. Ag.	450.00
S-4841	Alvin & Lynn F. Sato	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:24	5.027	A—Int. Ag.	450.00
S-4842	Lyle V. Finley	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:25	5.027	A—Int. Ag.	450.00
S-4843	Gilbert W. C. & Dolly D. Loo	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:26	5.055	A—Int. Ag.	455.00
S-4844	Paulino P. & Felisa T. Gampon	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:27	5.534	A—Int. Ag.	500.00
S-4845	Orchid Farm, Inc.	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:28	6.697	A—Int. Ag.	600.00
S-4846	Clarence A. & Pansy W. Medeiros	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:29	5.027	A—Int. Ag.	450.00
S-4847	James I. & Patricia H. Kuroiwa	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:30	5.027	A—Int. Ag.	450.00
S-4848	Howard R. & Linda E. Bradley	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:31	5.027	A—Int. Ag.	450.00
S-4849	William R. & Gay W. Glover	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:32	5.013	A—Int. Ag.	450.00
S-4850	John P. & Christine R. Wilkinson	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:33	5.013	A—Int. Ag.	450.00
S-4851	Konacoast Farms, Inc.	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:34	5.013	A—Int. Ag.	450.00
S-4852	Henry W. & Marvalene I. Kanahele	10/1/82-9/30/2037	Keahole Ag. Park, Phase II	7-3-49:35	5.452	A—Int. Ag.	490.00
S-4854	University of Hawaii	1/1/82-12/31/2036		2-2-56:56	110.206	A—Pasture	Gratis
S-4858	Joseph F. & Helen D. Pickering	9/1/78-8/31/2043	Lalamilo, Waimea, S. Kohala	6-9-02: por. 9	.032	U—Unclass. ROW	5,000.00 paid in full
S-4880	Bobbie's Steak & Lobster, Ltd.	5/13/83-5/12/2023	Kanakea Fishpond, Waiakea, S. Hilo	2-1-06:10	.008	U—Unclass. Easement	2,168.00
(D)S-4881	County of Hawaii	5/13/83-5/12/2023	Former Pepekeo School Lot, Kulaimano, S. Hilo	2-8-06:12	4.900	U—Rec.	Gratis
(D)S-4915	United States Postal Service	2/20/84-2/19/2039	Manowaiapae, N. Hilo	3-6-09:32 & 33	.230	U—Unclass. Post Office	1,200.00
S-4920	Hamakua Associates of Farmers	12/1/84-11/30/2004	Paalaea Land 2, Hamakua	4-5-01:11 & 12	.441	A—Int. Ag.	1.00
S-4950	Boteilho Hawaii Enterprises, Inc.	4/1/85-3/31/2020	Opihipau & Hukiaa, N. Kohala	5-5-06:02, 03, 04 and 15	597.406	A—Pasture	21,000.00
S-4952	Yotsuo Fuke Sakae Fuke	1/1/85-12/31/2049	Waiakea, S. Hilo	2-4-56:14	.099	U—Unclass.	2,100.00 Full Term

# General Leases

## Island of Hawaii

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4954	Pacific Paradise, Inc.	4/11/85-4/10/2020	Kaimu-Makena Hmstds., Puna	1-2-06:07, 15, 16, & 18	655.000	A—Unclass.	7,425.00
S-4955	Pacific Paradise, Inc.	4/11/85-4/10/2020	Kaimu-Makena Hmstds., Puna	1-2-06:19, 20	816.000	A—Int. Ag.	4,050.00
S-4956	Antonio Makaena Akiu	7/22/85-7/21/2050	Lot 1, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.175	C—Res.	132.00
S-4957	Steven Kepano Kuahuia	7/22/85-7/21/2050	Lot 2, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4958	Pacita Billings	7/22/85-7/21/2050	Lot 3, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4959	Myrah Malaea Kamaka	7/22/85-7/21/2050	Lot 4, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4960	Leilani Maulili Kahele	7/22/85-7/21/2050	Lot 5, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4961	Dora K. Halena	7/22/85-7/21/2050	Lot 6, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4962	Roberto Kaleianuinui Martines	7/22/85-7/21/2050	Lot 7, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4963	Amoe Casuga	7/22/85-7/21/2050	Lot 8, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4964	Able Pepe Kahele	7/22/85-7/21/2050	Lot 10, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4965	Raymond Kukulu Kuahuia	7/22/85-7/21/2050	Lot 11, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.110	C—Res.	132.00
S-4966	Delfrado J. Leanes, Jr.	7/22/85-7/21/2050	Lot 13, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.180	C—Res.	132.00
S-4967	Eugene Holualoa Chang	7/22/85-7/21/2050	Lot 16, Milolii Hoopuloa Lots, Hoopuloa, S. Kona	8-9-04:22 por.	.230	C—Res.	132.00
S-5000	Mark & Kimberly Hill	3/31/67-3/30/2032	Por. Gov't Land Waimea, S. Kohala	6-5-04: por. 15	.012	U—Unclass. ROW	13.00
S-5001	K. Kobata & Sons	3/31/67-3/02/2022	Waiakea, S. Hilo	2-2-32:10	.988	U—Com/Ind.	27,894.00
S-5003	Francis C. De Morales	3/31/67-3/30/92	Waiakea Hmstds., S. Hilo	2-4-06:12 2-4-07:37	68.670	A—Pasture	330.00
S-5004	Sueichi & Yoshiko Kawashima	3/31/67-3/30/92	Paauilo, Hamakua	4-3-15:10	3.040	A—Int. Ag.	121.00
S-5005	Puna Certified Nursery, Inc.	3/31/67-3/30/2002	Keonepoko-Nui, Puna	1-5-08:05	5.000	A—Int. Ag.	576.00
S-5015	Motoshi Sako	5/19/67-5/18/2002	Por. Gov't Land of Olaa, Puna	1-7-01:63	.466	U—Com/Ind.	485.00
S-5017	Dorothy E. Nishie & Grace M. Shima, Trustees	5/19/67-5/18/2032	Por. Lalamilo, Waimea, S. Kohala	6-6-04:76	.033	U—Unclass. ROW	28.00
S-5018	Pacific Standard Life Insurance Company	5/19/67-8/18/2032	Ocean View Lots, Waiakea, S. Hilo	2-1-05:21 & 31	1.090	U—Com/Ind.	10,600.00
S-5019	Kohala Ditch Co., Ltd.	5/19/67-12/31/91	Hamakua & N. Kohala	6-3-02:04 & 05	5,845.000	C—Watershed	8,000.00
S-5020	Richard Smart	5/19/67-5/18/92	Awalua-Haena Gov't Tract, N. Kohala	5-6-01:01	185.550 8.800 14.480 22.250 231.080	A—Int. Ag. Cane ROW Waste Pasture	1,856.00   67.00 1,923.00



# General Leases

## Island of Hawaii

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-5128	Walter H. Paulo	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 1	8-9-04: Por. 7	.229	C—Res.	132.00
S-5129	Ben Casuga	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 2	8-9-04: Por. 7	.229	C—Res.	132.00
S-5130	Madeline M. K. Paulo	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 3	8-9-04: Por. 7	.229	C—Res.	132.00
S-5131	Shonna R. N. K. Taetuna	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 4	8-9-04: Por. 7	.243	C—Res.	132.00
S-5132	Pearline L. K. Casuga	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 5	8-9-04: Por. 7	.229	C—Res.	132.00
S-5133	Jack T. Casuga, Jr.	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 6	8-9-04: Por. 7	.229	C—Res.	132.00
S-5134	Jessica L. Lopez	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 7	8-9-04: Por. 7	.229	C—Res.	132.00
S-5135	Basil Kuna	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 8	8-9-04: Por. 7	.229	C—Res.	132.00
S-5136	Yvonne L. Teves	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 9	8-9-04: Por. 7	.229	C—Res.	132.00
S-5137	Raymond K. Kuahuia, Jr.	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 10	8-9-04: Por. 7	.229	C—Res.	132.00
S-5138	Mildred L. K. Casuga	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 11	8-9-04: Por. 7	.229	C—Res.	132.00
S-5139	Alice W. K. Gouveia	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 12	8-9-04: Por. 7	.229	C—Res.	132.00
S-5140	Samuel W. Grace	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 13	8-9-04: Por. 7	.229	C—Res.	132.00
S-5141	Sam A. Crivello	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 14	8-9-04: Por. 7	.229	C—Res.	132.00
S-5142	Cynthia L. K. Baeza	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 15	8-9-04: Por. 7	.229	C—Res.	132.00
S-5143	Levi H. Kaupu	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 16	8-9-04: Por. 7	.229	C—Res.	132.00
S-5144	Samuel Keoni Grace	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 17	8-9-04: Por. 7	.229	C—Res.	132.00
S-5145	Elizabeth K. K. Taetuna	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 18	8-9-04: Por. 7	.229	C—Res.	132.00
S-5146	Charles C. Grace	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 19	8-9-04: Por. 7	.229	C—Res.	132.00
S-5147	Mabel K. K. Kahiwa	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 20	8-9-04: Por. 7	.229	C—Res.	132.00
S-5148	Rebecca K. Vicente	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. II, Lot 21	8-9-04: Por. 7	.229	C—Res.	132.00
S-5151	Louis M. Paulo, Sr.	12/31/86-12/30/2051	Milolii-Hoopulooa Houselots, Ph. I, Lot 12	8-9-04: Por. 7 & 22	.429	C—Res.	132.00

# Summary of General Leases

## Second Land District—Island of Maui

Fiscal Year 1986-87

Use <sup>1</sup>	Area (Acres)	Annual Rental	No. of Leases <sup>2</sup>
Intensive agriculture use	5,069.200	\$146,668.56	35
Special livestock use	—	—	—
Pasture use	2,136.578	23,600.00	19
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	9.012	160.00	2
Watershed use	81.159	15,585.00	3
Res. use	6.800	2,680.00	3
Commercial and industrial use	112.226	25,270.50	5
Hotel, apartment and motel use	1.336	7,410.00	2
Resort use	—	—	—
Unclass. uses	1,969.040	107,602.20	31
TOTALS	9,385.351	\$328,976.26	100

<sup>1</sup>The following Land Use Commission classification is used throughout: A—Agriculture

C—Conservation

R—Rural

U—Urban

<sup>2</sup>Leases awarded directly are preceded by "D." All others are awarded by public auction.

## General Leases

### Island of Maui

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3588	Pioneer Mill Co., Ltd.	1/01/60- 12/31/89	Honokowai, Lahaina	4-4-01:15, 19 & 22 4-4-02:03, 08, 11, 15, 18 & 20 4-4-04:02 & 06	734.396 42.335 174.011 95.196 9.660 7.684 1,063.246	A—Intensive Ag., Contributory Pasture Waste New Highway Other Use	20,386.39
S-3637	Marion R. & Emma Lou Rogers	4/14/61- 4/13/91	Kawaipapa, inc. Loko Waiohonu, Hana	1-3-07:25	.600	R—Res.	400.00
L-3695	East Maui Irrigation Co., Ltd.	7/01/62- 6/30/87	Honomanu Water License, Koolau	1-1-01:44	3.159	C—Watershed Water License	15,510.00

# General Leases

## Island of Maui

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3717	West Maui AJA Veterans Club	11/05/62-11/04/87	Wahikuli Hselots, Lahaina	4-5-14:51	.460	U—Unclass. (Allied Purposes)	200.00
(D)S-3749	U.S.A. Corps of Engineers (Army)	4/19/63-4/18/2028	Papaanui, Makawao (Honuaula)	2-2-07:11	4.450	C—Unclass. Fed.	Gratis
S-3817	Maui Young Men's Christian Assoc.	11/24/64-11/23/2019	Keanae, Hana (Koolau)	1-1-02:09	7.742	A—Rec.	150.00
S-3857	Leslie W. & Coila I. Eade	8/17/64-8/16/99	Between Hana Hwy. & Sea, Papaahau, Hana	1-4-03:01	5.200	A—Res. & C—Pasture	1,530.00
(D)S-3918	University of Hawaii	5/28/65-5/27/2030	Kealahou 1 & 2, Waiakoa, Makawao, Kula	2-2-11:33	20.674	A—Int. Ag.	Gratis
S-3984	Pioneer Mill Co., Ltd.	7/11/66-7/10/87	Lahainaluna School Lands, Lahaina	4-6-18:04	71.130 3.770 87.700 162.600	A—Int. Ag. Cane Contributory Waste	1,872.50
S-3985	Pioneer Mill Co., Ltd.	7/11/66-7/10/87	Lahainaluna School Lands, Lahaina	4-6-18:06 & 10	38.600 3.810 38.189 80.599	A—Int. Ag. Cane Contributory Waste	1,060.25
S-4016	Zen at Hana Ranch, Inc.	10/17/66-10/16/2001	Por. Kawaipapa & Wakiu, Hana	1-3-04:06 & 20	421.170	A—Int. Ag.	1,500.00
(D)S-4028	Hawaiian Telephone Co.	7/01/66-6/30/2031	Papaanui, Makawao (Honuaula)	2-2-07:12	.262	C—Com/Ind.	300.00
S-4112	Seaside Developers	9/25/67-9/24/2032	Kamaole, Wailuku	3-9-04: Por. 01 & 61	.400	U—Unclass. ROW	150.00
S-4189	Hana Ranch Co., Ltd.	3/07/68-3/06/88	Hamoia, Hana	1-4-07:07	1.000	A—Pasture	45.00
S-4190	Joseph Young	3/07/68-3/06/88	Wailua, Hana (Koolau)	1-1-06:70	2.760	A—Int. Ag.	82.50
S-4192	Robert Puu	4/22/68-4/21/88	Wailua Hmstds., Wailua	1-1-04:06 & 18	2.180	A—Int. Ag.	98.00
S-4195	Flag Resort Apartments, Inc.	4/22/68-4/21/2033	Kamaole (Kula)	3-9-05:46	.217	U—Hotel/Apt.	710.00
D-4197	Alexander & Baldwin, Inc.	7/01/68-6/30/2003	Pulehunui & Waikapu, Wailuku	3-8-08:01 & 08	1,207.489 296.415 367.519 1,871.423	A—Int. Ag. Cane Contributory Waste	84,600.00
S-4209	Charles & Mary Kong	10/03/68-10/02/2023	Keanae Hmstds., Keanae, Hana (Koolau)	1-1-03:70	1.100	A—Res. & C—Int. Ag.	1,070.00
S-4210	Herbert Aronson	10/03/68-10/02/2023	Keanae, Hana (Koolau)	1-1-03:59	.970	A—Int. Ag. Res.	350.00
S-4211	Stephen & Gerald Ferreira	9/12/68-9/11/88	Water Hole Res., Waiakoa Hmstds., Kula	2-2-15:16	16.550	A—Pasture	125.00
S-4212	John C. Fagan & Walter C. Witte (Irving Louis London, et al)	9/04/68-9/03/2033	Kamaole, Wailuku	3-9-04:29	1.119	U—Hotel/Apt.	6,700.00
S-4229	Pioneer Mill Co., Ltd.	2/25/69-2/24/94	Wahikuli, Lahaina (Kaanapali)	4-5-21:03, & 04 Por. 10	1,088.642 138.590 228.283 335.810 1,791.325	A—Int. Ag. Cane Contributory Waste, Pasture	88,462.00



### General Leases

#### Island of Maui

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4230	Charles S. Ota	2/25/69-2/24/89	Honomanu, Hana	1-1-01:52	67.000	A—Pasture & C	200.00
S-4231	Paul T. & Bernice H. Otani	2/25/69-2/24/94	Omaopio, Kula	2-3-03:06	13.140	A—Int. Ag.	1,132.00
S-4232	Frank T. Pacheco	2/25/69-2/24/94	Puolua, Makawao (Hamakualoa)	2-9-06:07 & 08	10.560	A—Pasture	60.00
S-4233	Hansel Ah Koi	2/25/69-2/24/89	Kearnae & Pahoa, Hana	1-1-08:08	148.700	A—Pasture	475.00
S-4241	Neal Tokuhisa	6/05/69-6/04/94	Hamakualoa, Makawao	2-9-06:21, 22 & 23	53.330	A—Pasture	600.00
S-4242	Barney Silva	6/05/69-6/04/94	Honokala, Hamakualoa	2-9-05:20 & 32	28.420	A—Pasture	355.00
S-4269	Puaahala Enterprises	11/08/69-11/07/2034	Submerged Lands fronting Ahupuaas, Puuhala & Kaamola, Molokai	5-6-05:35	108.137	C—Com/Ind.	8,500.00
S-4271	Lahaina Hongwanji Mission	11/24/69-11/23/2034	Por. Former Lot 21-A Mokuhinia Pond, Waiee, Lahaina	4-6-07:41	.083	U—Unclass. Elee.	225.00
S-4272	Michael Paul Milner	11/24/69-11/23/2024	Por. Former Old Kuiaha School Lot, Makawao	2-7-08:15	1.840	A—Int. Ag. Res.	300.00
S-4273	Amfac, Inc.	11/24/69-11/23/2034	Offshore Waters of Hanakaoo, Lahaina	4-4-06	.130	C—Unclass. ROW	2.17
S-4325	Charles S. Ota	12/22/70-12/21/95	Keokea (Kula)	2-2-04:01, 02, 29 & 66	206.010	A—Pasture	5,500.00
S-4327	Harry & Rosalina Anita Hasegawa	11/23/70-11/22/2025	Hamoia, Hana	1-4-08:13	1.000	R—Res.	750.00
S-4328	Anthony A. & Anna K. Tam	11/23/70-11/22/95	Wailua-Nui, Hana	1-1-08:05	120.970	A—Pasture & C	405.00
S-4340	Akea Farms, Inc.	7/22/71-7/21/2116	Molokai Farm Lots, Hoolehua, Apana 2	5-2-01:09	205.000	A—Int. Ag.	2,400.00
S-4345	Edward Wendt	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-05:22	.770	A—Int. Ag.	35.00
S-4348	Samuel Akina	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-06:43	.400	A—Int. Ag.	30.00
S-4349	Joseph J. Day	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-06:38	.850	A—Int. Ag.	35.00
S-4350	William H. D. & Anna M. King	7/22/71-7/21/2026	Ualapue, Kona, Molokai	5-6-02:01	2.100	U—Int. Ag. Res.	1,600.00
(D)S-4372	U.S. Dept of Agriculture, Soil Conservation Service	1/01/73-12/31/98	Par. A-1, Molokai Farm Lots, Palaa-Apana 2	5-2-01:07	81.181	A—Int. Ag.	Gratis
S-4373	William C. & Heather M. Cole	4/12/73-4/11/2028	Kealahou 3 & 4, Makawao (Kula)	2-3-37: por. 11	.091	R—Unclass. ROW	4.96
S-4374	Virginia & Mark Stephen Cundiff	4/12/73-4/11/2028	Honokala, Hamakualoa, Makawao	2-9-05: por. 20	.064	A—Unclass. ROW	0.31
S-4375	Assn. of Owners of ManaKai, Maui & Seaside Developers	4/12/73-9/24/2032	Kamaole, Wailuku (Kula)	3-9-04: por. 01 & 61	.107	U—Unclass. ROW	5.08
S-4377	Richard Tam Sing	5/11/73-5/10/93	Kaakakai Gulch, Kohoilo, Makawao (Kula)	2-3-07:15	14.100	A—Pasture	330.00

# General Leases

## Island of Maui

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4433	County of Maui (Sublessees)	6/14/74- 6/13/2009	Palaau & Hoolehua, Molokai	5-2-01:02 5-2-04:16	772.242	A—Int. Ag.	Gratis
	Hikiola Cooperative, Inc.	5/01/77- 4/30/2007	Palaau & Hoolehua, Molokai	5-2-04:16	(20.604)	A—Int. Ag. (Farmer's Co-Operative)	1,030.20
	Hawaii Tropical Plants, Ltd., Partnership	11/01/77- 10/31/2007	Palaau & Hoolehua, Molokai	5-2-01:18 & 19	(79.104)	A—Int. Ag.	4,746.00
	William Pheil	2/01/80- 6/13/2009	Palaau & Hoolehua, Molokai	5-2-01:10	(23.701)	A—Int. Ag.	1,422.06
	Tree Farms of Molokai	12/1/81- 11/30/2008	Palaau & Hoolehua, Molokai	5-2-01:17	(30.715)	A—Int. Ag.	1,842.90
	William Pheil	8/1/82- 11/30/2008	Palaau & Hoolehua, Molokai	5-2-01:16	(26.890)	A—Int. Ag.	1,613.40
	Grant Schule dba	8/1/82- 11/30/2008	Palaau & Hoolehua, Molokai	5-2-01:13	(26.890)	A—Int. Ag.	1,678.80
	Joe Kennedy	10/1/82- 11/30/2008	Palaau & Hoolehua, Molokai	5-2-01:11	(25.304)	A—Int. Ag.	1,518.24
	Seizen Bonk	12/1/82- 11/30/2008	Palaau & Hoolehua, Molokai	5-2-01:01	(25.890)	A—Int. Ag.	1,553.40
	Maui Community College	12/1/82- 11/30/2008	Palaau & Hoolehua, Molokai	5-2-01:20	(28.148)	A—Int. Ag.	Gratis
	Funk Seeds International	11/1/84- 10/31/2008	Palaau & Hoolehua, Molokai	5-2-01:28	(49.147)	A—Int. Ag.	2,948.82
	Hawaiian Research, Ltd.	10/01/77- 9/30/2007	Palaau & Hoolehua, Molokai	5-2-01:12 & 14	(66.160)	A—Int. Ag.	3,969.60
(D)S-4437	U.S. Postal Service	10/01/76- 9/30/2031	Kealahou 3 & 4, Makawao (Kula)	2-3-02:01	.989	A—Com/Ind. P.O.	720.00
S-4439	Maui Kamole Enterprises I	6/24/75- 6/23/2030	Kamaole, Wailuku (Kula)	3-9-04: por. 61	.103	U—Unclass. ROW	39.55
S-4440	Robert J. Rauenhurst, et al. dba Tahitian Apts.	6/24/75- 6/23/2030	Kamaole, Wailuku (Kula)	3-9-04: por. 61	.289	U—Unclass. ROW	110.07
S-4441	Maui Kamaole Enterprises II	6/24/75- 6/23/2030	Kamaole, Kihei	3-9-04: por. 61	.087	U—Unclass. ROW	52.50
S-4442	Assn. of Owners of Kihei Surfside	6/24/75- 6/23/2032	Easement 1, 2 & 3, Kamaole, Wailuku (Kula)	3-9-04: por. 01 & 61	.408	U—Unclass. ROW	271.55
S-4516	Comteck-WHCV (ARSBAND PARTNERS)	1/26/73- 1/25/93	Kolekole Hill of Mt. Haleakala, Papaanui, Makawao, Kula	2-2-07:08	.025	C—Com/Ind.	0.50
(D)S-4518	County of Maui, Dept. of Water Supply	9/26/75- 9/25/95	Por. Kahului Airport, Kahului	3-8-01:75	2.922	U—Unclass.	Gratis
S-4519	Sylvia Senter	7/08/76- 7/07/2031	Former Kaupakulua School Lot, West Kaupakulua, Makawao (Hamakualoa)	2-7-15:26	1.905	A—Int. Ag. Res.	2,110.00
S-4520	Donald N. Gard, Robert A. & Francine S. Frost	9/01/76- 8/31/2001	Old School Lot at Kaeleku & Wakiu, Hana	1-3-04:15	4.000	A—Int. Ag.	600.00
S-4521	William F. Butzine	9/01/76- 8/31/2001	Lot 29-0, Nahiku Hmstds., Nahiku, Hana	1-2-02:01	7.200	A—Int. Ag.	725.00

### General Leases

#### Island of Maui

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4523	Pioneer Mill Co., Ltd.	7/08/76-12/31/89	Honokowai, Lahaina	4-4-02:09 & 17	19.500 5.608 25.108	A—Int. Ag. Cane, Waste	492.00
S-4524	Hazel Oliveira & Louis J. Abreu dba H & E Ranch	9/01/76-8/31/2001	Kawaipapa & Wakiu, Hana	1-3-06:07	407.000	A—Pasture & C	825.00
S-4529	Rounds & Porter Lumber Co., Inc.	9/01/76-8/31/2001	Gov't Land of Kipahulu, Hana	1-6-05:21, 22 & 27; 1-6-08:02 & 04	76.888	A—Pasture	1,675.00
S-4530	Kaupo Ranch, Ltd.	9/01/76-8/31/2001	Kaupo, Hana	1-7-01:13, 14, 21, 23, 25, 31 & 33; 1-7-02:32; 1-7-03:32	307.880	A—Pasture & C	615.00
S-4531	Kaupo Ranch, Ltd.	9/01/76-8/31/2001	Kaupo, Hana	1-7-03:24 & 27	78.890	A—Pasture & C	1,650.00
S-4532	Charles S. Ota dba Landmark Ranch	9/01/76-8/31/2001	Waiohuli-Keokea, Makawao	2-2-04:31	139.280	A—Pasture	4,000.00
S-4533	Charles S. Ota dba Landmark Ranch	9/01/76-8/31/2001	Waiohuli-Keokea, Makawao	2-2-05:47 & 53	242.390	A—Pasture	3,600.00
S-4535	Murray Hunter &	9/01/76-8/31/2001	Hamakualoa, Makawao	2-9-13:14	79.100	A—Pasture	2,700.00
S-4538	Railroads of Hawaii dba Lahaina Kaanapali & Pacific Railroad Co.	7/08/76-7/07/2016	Parcels 1, 2, 3, 4 & 5, Kapunakea 1 & Wahikuli, Lahaina	4-5-14:77 4-5-21:11 4-5-17:49 4-5-30:138	4.212	U—Unclass. ROW	1,390.00
(D)S-4540	County of Maui, Dept. of Water Supply	3/10/78-3/09/2043	Kalialinui, Makawao (Kula)	2-3-06:06	14.150	A—Unclass. Reservoir/Accessory	Gratis
(D)S-4544	The Episcopal Church in Hawaii	5/24/74-5/23/2039	Waiohuli, Wailuku (Kula)	3-9-01:12	3.000	U—Unclass. Elee.	180.00
S-4562	Robert Daniel & Patricia M. Omer	7/01/77-6/30/2042	Wakiu, Hana	1-3-04:06, 11 & 20	.805	A—Unclass. ROW	19.54
S-4567	Honofed Corp.	1/02/74-1/01/2029	Kahului	2-7-02: por. 04 & 22	.292	U—Unclass. Water/Sewer Lines	53.33
(D)S-4570	Haleakala School	11/07/77-10/31/2042	Kealahou, Kula	2-3-37:11	2.399	R—Unclass. Elee.	100.00
S-4583	Amfac, Inc.	3/28/78-3/27/98	Honokowai Valley, Lahaina	4-4-07:05 por.	4.267	A—Unclass. ROW	141.00
S-4593	Gregory P. & Masako Westcott	10/01/78-9/30/2043	Mokupapa, Hamakualoa, Makawao	2-9-06:21 & 25 2-9-14:11	.541	A—Unclass. & C ROW	6.56
(D)S-4599	U.S. Postal Service	3/23/79-3/22/2034	Honoapiilani Hwy. (East Side), Wahikuli, Lahaina	4-5-21:14	2.813	U—Com/Ind. P.O.	15,750.00
S-4613	John D. Dale, David G. Knotter & Larry Carlson & Jean Machida Egusa	11/28/75-11/27/2030	Honouliwai, Molokai	5-8-03:6 & 12	.155	A—Unclass. ROW	1.58
S-4660	Aina O Kipahulu Assn.	10/30/79-10/29/2044	Kaumakani & Puaaluu, Kipahulu, Hana	1-5-11: por. 7 1-6-02: por. 9	39.000	A—Watershed & C—Water License	32.00



# General Leases

## Island of Maui

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4661	Hana Ranch, Inc.	10/30/79-10/29/2044	Kaunakani & Puaaluu, Kipahulu, Hana	1-5-11: por. 7 1-6-02: por. 9	39.000	A—Watershed & C—Water License	43.00
(D)S-4727	County of Maui	3/27/81-3/26/2046	Waiokama, Lahaina	4-6-07:01	2.008	U—Unclass. (Multi-Use Community Facility)	Gratis
(D)S-4828	Maui Young Men's Christian Assoc.	11/24/81-11/23/2019	Portion of Gov't Crown Land of Keanae, Koolau	1-1-02:08	1.270	A—Rec.	10.00
(D)S-4857	Maui County Council, Inc. BSA	7/01/83-6/30/2038	Kahakuloa Hmstds., Kahakulo, Wailuku	3-1-01:29	47.680	A—Youth Activities	120.00
(D)S-4936	U.S.A., Federal Aviation Agency	7/1/84-6/30/2004	Kealalaloa, Ukumehame	3-6-01:08	1.204	C—Unclass. (Federal)	Gratis
S-5008	Pioneer Mill Co., Ltd.	5/23/67-5/22/88	Lahainaluna Sch. Lands, Lahaina	4-6-18:17	.180 4.071 4.251	A—Int. Ag., Cane, Waste	4.50
S-5010	Edward B. & Sylvia Mildred Perreira	5/23/67-5/22/88	Wailua-Nui, Hana (Koolau)	1-1-08:14	59.910	A—Pasture & C	360.00
S-5011	Leigh-Wai Doo	5/23/67-5/22/2032	Honouliwai	5-8-03: por. 12	.176	A—Unclass. ROW	28.00
S-5014	Nobriga's Ranch, Inc.	10/17/66-10/16/86	Lot 10, Kahakuloa Hmstds., Kahakuloa, Wailuku (Kaanapali)	3-1-01:04	78.600	A—Pasture & C	80.00
S-0000	County of Maui, Dept. of Water Supply	3/14/80-3/13/2045	Lahainaluna School, Lahaina	4-6-18: por. 5	1.000	U—Unclass. Water Tank	Gratis
S-5124	A. D. Furtado Properties	7/11/85-7/10/2005	Paunau, Lahaina	4-6-01: adj parcels 05 & 06	.044	U—Unclass. Easement	900.00
S-5127	County of Maui Dept. of Water Supply	5/27/87-5/26/2052	Por. Lahainaluna High School, Lahaina	4-6-18: por. 5	2.070	A—Unclass. Water Tank	1.00 Full Term
S-5155	County of Maui	6/01/87-5/31/2052	Lower Honokawai, Lahaina	4-4-01: por. 36 & 4-4-02: por. 37	4.202	A—Unclass. Parking	19,000.00

**Summary of General Leases**

**Third Land District—Island of Oahu**

Fiscal Year 1986-87

Use <sup>1</sup>	Area (Acres)	Annual Rental	No. of Leases <sup>2</sup>
Intensive agriculture use	1,271.459	\$ 167,846.00	48
Special livestock use	—	—	—
Pasture use	2,312.415	5,856.00	4
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	67.243	12,301.00	4
Watershed use	1,534.500	32,600.00	1
Res. use	25.006	3,602.00	33
Commercial and industrial use	176.581	732,205.00	15
Hotel, apartment and motel use	—	—	—
Resort use	—	—	—
Unclass. uses	6,548.456	130,810.59	90
<b>TOTALS</b>	<b>11,935.658</b>	<b>\$1,085,220.59</b>	<b>195</b>

<sup>1</sup>The following Land Use Commission classification is used throughout: A —Agriculture

C —Conservation

R —Rural

U —Urban

<sup>2</sup>Leases awarded directly are preceded by "D." All others are awarded by public auction.

**General Leases**

**Island of Oahu**

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)L-1755	Hawaiian Electric Co., Ltd.	4/07/26-Indefinite	Auwaiolimu & Kewalo		.210	U—Unclass. ROW	1.00
(D)S-1756	Hawaiian Electric Co., Ltd.	6/21/72-Indefinite	Waialea, Koolauloa	5-8-01:06, 07, 46, 51	1.020	C—Unclass.	12.00
S-2955	Hawaiian Electric Co., Ltd.	5/25/48-Indefinite	Waianae, Uka, Wahiawa		15.282	C—Unclass.	0.00
(D)S-3702	Honolulu Gas Co., Ltd.	3/21/62-3/20/92	Wilikina Dr., Wahiawa	7-3-01:50	.051	U—Unclass. ROW	2,500.00
S-3709	The Oceanic Institute	8/21/62-8/20/2027	Waimanalo, Koolaupoko	4-1-14:03, 04 & por. 07	118.000	U—Unclass. Elee.	12,000.00

# General Leases

## Island of Oahu

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3727	Amancio R. & Serafina Nacapoy	1/14/63-1/13/2028	Kaluapalena, Kalihi	1-3-11: Por. 03	.153	U—Unclass. ROW	19.20
(D)S-3747	U.S. of America, Corps of Engineers (Army)	4/19/63-4/18/2028	Mt. Kaala, Mokuleia, Waialua	6-7-03:23	1.800	U—Unclass.	0.00
(D)S-3748	U.S. of America, Federal Aviation Agency	4/19/63-4/18/2028	Mokuleia For. Res.	8-5-06:03	53.630	C—Unclass.	1.00 Full Term
(D)S-3808	City & County of Honolulu	6/17/64-6/16/2029	Pouhala & Ulumoku, Waikele, Ewa	9-3-01 9-3-02	45.810	C—Unclass. ROW	1.00 Full Term
S-3809	Teleglobe Canada	4/02/64-4/01/2029	Keawaula, Waianae	8-1-01	3.979	C—Com/Ind.	1,000.00
S-3811	Consolidated Amusement Co., Ltd.	4/02/64-4/01/2029	Kalauao, Ewa	9-8-11:11	.014	U—Unclass. ROW	398.00
(D)S-3845	U.S. of America (Army)	8/17/64-8/16/2029	Kaena Point Tracking Station	8-2-01:04, 05, 06, 10, & 21 8-1-01:01 & 10	137.980	C—Unclass.	1.00 Full Term
(D)S-3846	U.S. of America (Army)	8/17/64-8/16/2029	Kawailoa Training Area	7-2-01	4,390.000	C—Unclass.	1.00 Full Term
(D)S-3850	U.S. of America (Army)	8/17/64-8/16/2029	Kahuku Training Area	5-8-02:02 5-9-06:26	1,149.720	C—Unclass.	1.00 Full Term
(D)S-3864	University of Hawaii	7/01/65-6/30/2030	Kaakaukui, Honolulu	2-1-60:1	5.450	U—Unclass.	0.00
(D)S-3896	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Overhead easement over por. E.O. 1346, Kapalama, Honolulu	1-5-42	.115	U—Unclass. ROW	75.00
(D)S-3898	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Makiki For. Ridge Lots, Honolulu	2-5-23:08, 21, 25 & 35	.079	C—Unclass. ROW	50.00
S-3899	First Hawaiian Bank	3/11/65-3/10/2030	Auwaiohimu Lots, Honolulu	2-2-06:25	.299	U—Unclass. ROW	600.00
(D)S-3900	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Kuwili, Kapalama-Kai, Honolulu	1-5-14	.118	U—Unclass. ROW	73.00
(D)S-3901	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Kapalama, Honolulu	1-6-02	.006	U—Unclass. ROW	5.00
S-3902	Oahu Sugar Co., Ltd.	3/11/65-3/10/2005	Waipahu, Waikele	9-3-02 9-4-11 9-4-13 9-4-14	.262	C—Unclass. ROW	291.00
(D)S-3903	Hawaiian Telephone Co.	3/11/65-3/10/2030	Diamond Head Tunnel, Kapahulu, Honolulu	3-1-42	.959	U—Unclass. ROW	1.00
(D)S-3904	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Kalihi-Waena School, Honolulu	1-3-08	.418	U—Unclass. ROW	205.00
(D)S-3905	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Laelae, Kalihi Valley, Honolulu	1-4-22	.365	U—Unclass. ROW	50.00
(D)S-3906	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Kapalama Bascule Bridge, Mokauea, Kalihi, Honolulu	1-5-41	.481	U—Unclass. ROW	200.00



**General Leases**

**Island of Oahu**

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3915	Assoc. of Apt. Owners of Sea View	6/21/65-5/20/2030	Kewalo, Honolulu	2-2-04	.043	U—Unclass. ROW	78.00
(D)S-3951	Aloha Council, Boy Scouts of America	3/11/66-3/10/2021	Parcels A & B, Pupukea, Koolauloa	5-9-05 5-9-06	64.800	C—Rec.	150.00
S-3978	Ralph Ajifu & Richard Azama	6/27/66-6/26/2031	Kaluapuhi-Waikalua Hmstds., Kaneohe	4-5-32:02	.167	U—Unclass. ROW	30.00
S-3980	Esther K. Arinaga	6/27/66-6/26/2031	Makiki Ditch	2-4-29	.021	U—Unclass. ROW	36.00
S-3981	Roy H. & Jane S. Aoki	6/27/66-6/26/2031	Por. Pauoa Valley	2-2-16	.012	U—Unclass. ROW	1.00
S-3983	Leki, Inc.	6/27/66-6/26/2021	Por. Old Waialeale Boys' Home, Koolauloa	5-8-01	12.854	U—Com/Ind.	6,324.00
S-3996	Y. Hata & Co., Ltd.	8/05/67-8/04/2022	Food Distribution Center, 1st Increment, Kaakaukukui, Honolulu	2-1-58	4.146	U—Com/Ind.	48,750.00
(D)S-4017	Aloha Council, Boy Scouts of America	6/10/66-6/09/96	Reservoir Lot, Kaimuki, Honolulu	3-2-35	.657	U—Rec.	150.00
S-4027	Communications Satellite Corp.	12/28/66-12/27/2031	Mt. Kaala, Por. Mokuleia For. Res., Waialua	6-7-03	.106	C—Com/Ind.	330.00
(D)S-4094	City & County of Honolulu	12/17/65-12/16/2030	Kapahulu, Waikiki, Honolulu	3-1-42	.139	U—Unclass.	1.00 Full Term
(D)S-4100	Army & Air Force Exchange Service	11/01/67-10/31/2032	Kaakaukukui, Honolulu	2-1-58	2.500	U—Unclass.	1.00 Full Term
(D)S-4104	Hawaiian Electric Co., Inc.	4/15/66-5/28/2028	Kapahulu, Honolulu	3-1-42	.154	U—Unclass. ROW	10.00
S-4110	Hawaii Kai Community Services Co.	9/15/67-9/14/2032	Maunalua	3-9-15	.650	U—Unclass. ROW	255.00
(D)S-4129	U.S. of America, Federal Aviation Administration	5/31/67-5/30/2032	Fort Ruger		.099	U—Unclass.	Gratis
S-4217	Ernest W. Albrecht	12/05/68-12/04/2033	Puea, Waianae	8-5-04: por. 09	.475	A—Unclass. ROW	21.00
S-4218	Waipahu Soto Zen Temple Taiyoji	12/05/68-12/04/2033	Cemetery Lot, Pouhala, Waikele, Ewa	9-4-27:124	.229	U—Unclass. Elee.	12.00
(D)S-4220	University of Hawaii	1/29/69-1/28/2034	Kaimuki Tract 49, Kapahulu	3-2-31	8.053	U—Unclass.	Gratis
(D)S-4223	Hawaiian Telephone Co.	3/01/66-2/28/2031	Mt. Kaala, Mokuleia, Waialua	6-7-03:24	.211	C—Unclass. ROW	966.00
S-4266	Mokuleia Homesteads	9/04/69-9/03/94	Kuaokala & Kealia, Waialua	6-8-02:07 6-9-03:02	1,884.695	A—Pasture	2,800.00
S-4267	John Kalawaianui Nakoa	9/04/69-9/03/2034	Palolo Valley, Por. Anuenue Elem. School	3-4-04	.031	U—Unclass. ROW	2,026.00 Full Term
S-4304	Thomas D. & Karen C. Perkins	5/19/70-5/18/2035	Por. Kalawahine, Honolulu	2-5-19: por. 05	.033	U—Unclass. ROW	30.00
S-4305	Eric K. & Durand K. Laride	5/19/70-5/18/2035	Waimanalo, Koolaupoko, Por. 1	4-1-10:74	.049	A—Unclass. ROW	214.00 Full Term
(D)S-4329	Waiahole Irrigation Co., Ltd.	1/01/71-12/31/2000	Kahana, Koolaupoko	4-8-13: por. 01; 5-2-01: por. 01	1,534.500	Watershed	32,600.00

**General Leases**

**Island of Oahu**

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4337	Hawaii State Chapter of the American Red Cross	5/06/71-5/05/2036	Kapahulu, Waikiki	3-1-42	1.000	U—Unclass. (Elee)	1.00 Full Term
S-4341	City & County of Honolulu	7/01/74-6/30/2039	Por. of Gov't land of Sand Island	1-5-41: por. 03	50.000	U—Unclass.	Gratis
(D)S-4342	Hawaii Housing Authority	12/22/71-12/21/2046	Parcel A-1 Por. Gov't Crown Land	4-1-09:267	3.525	U—Res.	1.00 Full Term
(D)S-4352	Hawaii Assoc. of Retarded Children	5/12/72-5/11/2037	Por. LP 8165, Part B, Por. LCA 8559-B, Apana 32, Por. land conveyed by Wm. Lunalilo & por. Diamond Head Res.	3-1-42: por. 30	2.157	U—Unclass. (Elee)	120.00
(D)S-4356	Daughters of Hawaii	8/25/72-8/24/2037	Queen Emma Hse. Residence, Nuuanu Valley, Hon.	2-2-34:27 & por. 28	2.160	U—Unclass. Elee.	150.00
S-4367	Vista Delmar	11/06/72-11/05/2037	Moanalua, Honolulu	1-1-63	.141	U—Unclass. ROW	4,900.00 Full Term
(D)S-4369	The Research Corp. of the University of Hawaii	11/01/72-10/31/2037	Lualualei, Waianae	8-6-01:03	14.352	U—Unclass.	1.00 Full Term
(D)S-4384	U.S. Postal Service	6/29/73-6/28/2029	Honolulu	2-4-12	2.591	U—Com/Ind.	29,400.00
(D)S-4387	Lester McCoy Boys' Club dba Boys' Club of Honolulu	9/01/73-8/31/2023	Por. Washington Inter. School, Pawaa, Honolulu	2-3-26	.565	U—Unclass. Elee.	Gratis
(D)S-4402	Hawaiian Telephone Co.	4/04/72-4/03/2037	Nanakuli, Waianae	8-9-08:04	.898	C—Unclass.	250.00
(D)S-4403	Hawaii Housing Authority	9/20/74-9/19/94	Kuwili, Honolulu	1-5-07	1.452	U—Unclass.	Gratis
S-4405	Produce Center Development, Ltd.	7/19/74-7/18/2029	Kaakaukukui (Food Distribution Ctr) Honolulu	2-1-60:09	9.522	U—Com/Ind.	168,000.00
(D)S-4407	Pierco, Inc.	9/26/74-10/20/2027	Waimanalo, Koolaupoko	4-1-14: Adj. 06	1.729	C—Com/Ind.	3,600
(D)S-4408	U.S. of America (Coast Guard)	10/30/74-10/29/2039	Kaakaukukui, Honolulu	2-1-57	.031	U—Unclass.	Gratis
(D)S-4411	Honolulu Community Theatre	8/18/74-8/17/2024	Kapahulu, Honolulu	3-2-20:01	2.735	U—Com/Ind.	1,800.00
(D)S-4435	University of Hawaii	7/01/75-6/30/2040	Diamond Head Res. Kapahulu, Oahu	3-1-42:09	51.628	U—Unclass.	Gratis
S-4485	Inscon Development Company	10/30/75-10/29/2030	Hanakoe, Kawela, Koolauloa	5-7-01	.214	U—Unclass. ROW	38.39
(D)S-4487	Hawaii Wing Civil Air Patrol	1/01/74-12/31/2000	Puu-O-Hulu Tunnel Site & Roadway Easement, Lualualei, Waianae	8-7-06:08 8-7-06:29	5.981	C—Unclass.	Gratis
(D)S-4488	University of Hawaii	2/23/73-2/22/2038	Por. Kapalama Mil. Res. Mokauea, Kalihi	1-5-41	16.069	U—Unclass.	Gratis
(D)S-4513	Variety Club School & Special Education Center	3/15/76-3/14/2041	Fort Ruger, Hon.	3-1-42: Por. 18	4.291	U—Unclass. Elee.	120.00
S-4543	Kenneth Pratt	11/24/75-11/23/2040	Waialua	6-1-08:03	.012	U—Unclass. ROW	430.00 Full Term

General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4555	Dept. of Hawaiian Home Lands	10/01/76-3/31/91	Nanakuli	8-9-08: Por. 03	401.920	A—Pasture	1,190.00
S-4558	Rochelle Leimomi Craft	4/11/77-4/10/2042	Hauula	5-4-07: Por. 2	.017	U—Unclass. ROW	450.00 Full Term
(D)S-4560	Easter Seal Society for Crippled Children & Adults of Oahu, Inc.	7/17/77-7/16/2042	Kewalo, Honolulu	2-1-39	.612	U—Unclass. Elee.	1.00
(D)S-4561	Waianae Kai Development, Inc.	7/1/77-6/30/97	Waianae	8-5-05	97.764	U—Unclass. Elee.	1.00
S-4578	Basin Project, Inc.	12/23/77-12/22/2042	Por. Filled Land, Kaakaukukui (Kewalo Basin)	2-1-58:41 & 48	.621	U—Com/Ind.	40,500.00
(D)S-4579	University of Hawaii (Tropical Agriculture)	9/01/77-8/31/97	Waimanalo	4-1-26:1, 2 & 21	127.539	A—Int. Ag.	Gratis
(D)S-4580	Old Vineyard St. Residents' Assoc.	6/15/78-6/14/2033	Old Vineyard St. Housing Project, Halehala, Honolulu	2-1-18: Por. 11	.679	U—Res.	1.00
(D)S-4582	Mokauea Fishermen Association	6/01/78-5/31/2043	Kaliwa & Mokauea, Kalihi	1-5-41	13.750	U—Unclass. Elee.	150.00
(D)S-4588	Hawaiian Telephone Co.	6/06/73-6/05/2038	Puu Ohia Radio Sta. Sites A&B, & Parcels C, D, E, & F, Situated at Kalawahine & Opu, Honolulu, Oahu	2-5-19	1.300	C—Unclass. ROW	3,711.00
S-4589	Basin Project, Inc.	6/30/78-12/29/2042	Por. of Filled Land of Kaakaukukui (Kewalo Basin) plus Easement for air rights over portions of adjoining coral reef area above Kewalo Basin Channel	2-1-58: por. 10 & 41	.233 (Parcel A) .144	U—Com/Ind.	12,000.00
(D)S-4592	University of Hawaii Community College Sys.	12/1/77-11/30/2042	Kalihi-Palama Education Ctr. West corner of Intersection of King St. & Austin Lane	1-5-05:14	.282	U—Unclass.	Gratis
(D)S-4603	First Samoan Assembly of God	5/1/79-4/30/2034	Horizontal Limits of Space Parcel A, por. of FAP No. I-H1-1(93), Honolulu	1-6-08	1.180	U—Unclass. Elee.	6,372.00
(D)S-4605	United States of America	1/1/79-12/31/88	Water pipeline Easement, Waianae-Kai, Oahu	8-5-01:4 & 45	—	U—Unclass. ROW	Gratis
S-4606	Hawaiian Independent Refinery, Inc.	11/03/78-11/02/2043	Honouliuli, Ewa	9-1-26 & 9-1-31 Parcels 1 & 2	191.148	U—Unclass. ROW	252,000.00 Full Term (paid)
(D)S-4611	City & County of Honolulu, Building	10/01/79-9/30/2029	Waihee, Koolaupoko	4-7-02:17	.606	U—Unclass.	120.00
S-4612	Del Monte Corp.	1/1/80-12/31/94	Waikele, Ewa	9-4-12:1, 2 & 3	587.380	A—Int. Ag.	76,600.00
S-4631	Sudbrink Broadcasting Co. of HI, K(O)KUA Radio One Corp., Heftel Broadcasting Corp., Communications Hawaii, Inc.	5/5/80-5/4/2035	Kaakaukukui	2-1-58:48	.082	U—Unclass.	30,000.00



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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4643	Gem of Hawaii, Inc.	6/1/80-5/31/2035	Kuwili	1-5-20:6	2.749	U—Com/Ind.	140,000.00
S-4644	Cormax Corp.	5/14/80-5/13/2035	Kalauao, Ewa	9-8-13:14	3.697	U—Com/Ind.	91,000.00
(D)S-4658	City & County of Honolulu	7/1/80-6/30/2045	Kaakaukukui, Honolulu	2-1-57:7	.698	U—Com/Ind. (Sewage Pumping Station)	1.00 per annum
S-4692	Chevron USA, Inc.	12/18/80-11/02/2043	Honouliuli, Ewa	9-1-31: por. 3, Por. 4	92.247	C—Unclass.	252,000.00 Full Term Paid
(D)S-4693	City & County of Honolulu	7/1/80-6/30/2045	Lualualei, Waianae	8-7-07: por. 1	1.399	U—Unclass. (Sewage Pump Sta. & ROW)	Gratis
(D)S-4776	City & County of Honolulu		Paalaa Uka, Waialua, Oahu	6-4-03:02	5.000	A—Int. Ag. and Housing	Gratis
(D)S-4825	Waikiki Community Center	4/1/82-3/31/2007	Waikiki, Oahu	2-6-25:02	1.560	U—Unclass. Elee.	120.00
(D)S-4826	DSSH & Goodwill Industries of Honolulu, Incorporated	9/1/81-8/31/2031	Lot 3, Shafter Flats Ind. Dev., Unit II	1-1-64:27	1.578	U—Unclass. Elee.	1.00 Full Term
(D)S-4827	Waimalu Grace Brethen Church	10/29/82-10/31/2037	Waimalu, Ewa	9-8-26	1.207	U—Unclass. Elee.	3,000.00
S-4877	Toshio Sugita & Kenneth Ibara	7/18/83-7/17/2018	Portion of Crown Land, Waianae	8-5-05:09 & 11	36.048	A—Int. Ag.	7,000.00
(D)S-4882	Pearl City Highlands Holiness Church	8/15/84-8/14/2039	Manana-Nui, Ewa	9-7-02:31	.813	U—Unclass. Elee.	3,000.00
S-4883	Glenn Masuo & Harriet Mieko Masunaga	6/30/76-6/29/97	Makiki, Honolulu	2-4-32: por. 01	.096	—Unclass. Easement	236.00
(D)S-4884	George & Louise Ai	12/1/83-11/30/2048	Lot 1, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:17	.930	C—Res.	120.00
(D)S-4885	Melvyn K. & Lynn Aila	12/1/83-11/30/2048	Lot 2, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:25	.780	C—Res.	120.00
(D)S-4886	Katherine Akana, et. al.	12/1/83-11/30/2048	Lot 3, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:26	.490	C—Res.	120.00
(D)S-4887	Winona B. Maka	12/1/83-11/30/2048	Lot 4, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:27	.590	C—Res.	120.00
(D)S-4888	Herman L. K. Brandt	12/1/83-11/30/2048	Lot 5, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:23	.640	C—Res.	120.00
(D)S-4889	Hennessey J. & Mary Brown	12/1/83-11/30/2048	Lot 6, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:20	.490	C—Res.	120.00
(D)S-4890	Gulstan Crawford	12/1/83-11/30/2048	Lot 7, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:07	.440	C—Res.	120.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4891	Alfred K. Fountain	12/1/83-11/30/2048	Lot 8, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:30	.860	C—Res.	120.00
(D)S-4892	Thomas H. & Joan A. Kaaiai	12/1/83-11/30/2048	Lot 9, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:21	.480	C—Res.	120.00
(D)S-4893	William W. A. & Diane H. Kaaiai	12/1/83-11/30/2048	Lot 10, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:04	.290	C—Res.	120.00
(D)S-4894	Julia Minerva Kaawa	12/1/83-11/30/2048	Lot 11, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:10	.750	C—Res.	120.00
(D)S-4895	Arthur K. Kaleikini	12/1/83-11/30/2048	Lot 12, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:13	1.040	C—Res.	120.00
(D)S-4896	Joseph K. Kaleikini	12/1/83-11/30/2048	Lot 13, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:16	.820	C—Res.	120.00
(D)S-4897	Charlotte Maile Ohira	12/1/83-11/30/2048	Lot 14, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:28	.640	C—Res.	120.00
(D)S-4898	Emma K. Kalima	12/1/83-11/30/2048	Lot 15, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:29	.820	C—Res.	120.00
(D)S-4899	David Keau Moses	12/1/83-11/30/2048	Lot 16, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:32	.350	C—Res.	120.00
(D)S-4900	May K. Kealoha	12/1/83-11/30/2048	Lot 17, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:05	1.250	C—Res.	120.00
(D)S-4901	Leinaala M. Lopes	12/1/83-11/30/2048	Lot 18, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:12	1.300	C—Res.	120.00
(D)S-4902	Bonnie-Lee H. Shea	12/1/83-11/30/2048	Lot 19, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:24	.520	C—Res.	120.00
(D)S-4903	Nancy P. Makua & Thomas Boteilho	12/1/83-11/30/2048	Lot 20, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:14	1.140	C—Res.	120.00
(D)S-4904	James K. Moses, Jr.	12/1/83-11/30/2048	Lot 21 & 21A, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:15	1.300	C—Res.	120.00
(D)S-4905	Charlotte K. Needham	12/1/83-11/30/2048	Lot 22, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:19	.640	C—Res.	120.00
(D)S-4906	Helen Simeona Oku & Miulana Oku	12/1/83-11/30/2048	Lot 23, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:22	.320	C—Res.	120.00
(D)S-4907	Robertajean Keinath	12/1/83-11/30/2048	Lot 24, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:08	.520	C—Res.	120.00
(D)S-4908	Mary K. H. Lopez Palomo	12/1/83-11/30/2048	Lot 25, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:03	.280	C—Res.	120.00

# General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4909	James M. Perry	12/1/83-11/30/2048	Lot 26, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:06	.360	C—Res.	120.00
(D)S-4910	George H. & Alice Santana	12/1/83-11/30/2048	Lot 27, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:09	.240	C—Res.	120.00
(D)S-4911	William K. & Mary K. Spencer	12/1/83-11/30/2048	Lot 28, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:02	.520	C—Res.	120.00
(D)S-4912	Lydia K. Ulii & J. W. Nahinu	12/1/83-11/30/2048	Lot 29, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:18	.700	C—Res.	120.00
(D)S-4913	Arnold P. Spencer & Corrinne Spencer	12/1/83-11/30/2048	Lot 30, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-24:31	.400	C—Res.	120.00
S-4914	Kahaluu Pond, Inc.	3/1/84-2/28/2014	Kahaluu, Koolau-poko	4-6-11: por. of Kaneohe Bay	.718	C—Unclass. Easement	2,500.00 Full Term
(D)S-4916	U.S.A.—Federal Aviation Administration	5/21/84-9/30/93	Moanalua, Honolulu (Pacific War Memorial Site)	1-1-03: por. 04	.010	U—Unclass.	Gratis
(D)S-4917	City & County of Honolulu, Dept. of Transportation Services	1/28/83-1/27/2038	Makiki, Honolulu	2-4-22:17, 25, 28 & 33	1.126	U—Rec.	1.00
S-4921	Hawaiian Telephone	6/14/85-10/31/2039	Ewa	9-9-68:60	.001	U—Unclass.	10.00 Full Term
(D)S-4948	Pearl City Youth Complex Association	2/1/85-1/31/2020	Manana & Waimano, Ewa	9-7-19:35	11.209	U—Unclass. Elee.	120.00
(D)S-5006	State of Hawaii Dept. of Regulatory Agencies	6/1/67-5/31/2032	Mt. Kaala, Mokuleia For. Reserve	6-7-03	.110	U—Unclass.	Gratis
(D)S-5013	First Church of Christ, Scientist	5/25/67-5/24/2032	Honolulu	2-4-08	.049	U—Unclass. Elee.	110.00
S-5016	U.S.A., Coast Guard	6/30/67-6/29/2030	Haleiwa	6-2-03:40	.007	U—Unclass. Range Light Easement	Gratis
S-5104	Teleglobe Canada	5/9/86-4/1/2029	Keawaula, Waianae	8-1-01	33.079	C—Unclass. Easement	1,500.00
S-5105	U.S.A., Corps of Engineers	1/1/86-12/31/2005	Waikele, Ewa	9-4-12:03 & 11	6.437	A—Unclass. Easement	120.00
S-5106	Stadium Bowl-O-Drome	1/1/86-12/31/2005	Kapaakea, Waikiki, Honolulu, Parts 1 & 2	2-7-08:18	.918	U—Com/Ind.	173,000.00
S-5107	Andrew & Susan Schwartz	6/28/85-6/27/2040	Poloke, Makiki	2-5-15:13	.006	U—Unclass. Easement	150.00
S-5108	City & County of Honolulu (Building Dept.)	5/9/86-10/31/2040	Kuwili, Iwilei	1-5-09	.345	U—Unclass. Community Facility for Urban Homeless	132.00
S-5109	Veteran's of Foreign Wars	1/1/87-12/31/2041	Kalia & Pahoia, Waikiki	2-3-34:27 & 35	.660	U—Rec.	12,000.00
S-5112	Hawaiian Electric Co. Hawaiian Telephone	7/7/76-7/6/2001	Kalawahine	2-5-19: por. 5, 12	.627	U—Unclass. Easement	77.00



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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-5123	Hawaiian Trust, Co., Ltd., Trustee for Edward W. Scripps II Trust	8/11/86-8/10/2036	Kapahulu	3-1-42: por. 14	.070	U—Unclass.	25,000.00 Full Term
S-5125	City & County of Honolulu	1/1/87-12/31/2027	Honolulu, Corner of Merchant & Bethel Streets	2-1-02: por. 24	.185	U—Unclass.	36,132.00
S-5149	Honolulu Academy of Arts	12/1/86-11/30/2041	Kulaokahua, Honolulu, Old Lincoln Shcool	2-4-02:20	2.688	U—Unclass.	1,800.00
S-5150	Heftel Communications Hawaii, Inc.	1/14/83-12/13/2008	Kalia, Waikiki	2-6-13	1.235	U—Unclass. Roadway Easement	360.00
S-5154	Hawaii Ecumenical Housing Corp.	3/1/88-2/28/98	Kapalama	1-5-18:03 1-1-17: por. 6	.902	U—Residential	1.00 Per Annum

## WAIMANALO AGRICULTURAL LEASES

S-3753	SGVG Corp.	12/02/63-12/01/2010	Lot 2, Waimanalo Ag Subdv. Koolaupoko	4-1-10:31	3.429	A—Int. Ag.	1,262.00
S-3754	Servco Pacific, Inc.	12/02/63-12/01/2008	Lot 3, Waimanalo Ag Subdv. Koolaupoko	4-1-10:32	4.147	A—Int. Ag.	1,996.00
S-3756	Norman and Adeline Thomas	12/02/63-12/01/2006	Lot 5, Waimanalo Ag Subdv. Koolaupoko	4-1-10:34	5.193	A—Int. Ag.	536.00
S-3757	Steven & Jeannie Saiki	12/02/63-12/01/2005	Lot 9, Waimanalo Ag Subdv. Koolaupoko	4-1-10:40	3.742	A—Int. Ag.	770.00
S-3758	Kazuto Yamada	12/02/63-12/01/2006	Lot 10, Waimanalo Ag Subdv. Koolaupoko	4-1-10:41	4.094	A—Int. Ag.	1,743.00
S-3759	Kawahara Nursery & Landscaping Co., Ltd.	12/02/63-12/01/2008	Lot 11, Waimanalo Ag Subdv. Koolaupoko	4-1-10:42	4.486	A—Int. Ag.	1,256.00
S-3760	Kaname & Ethel H. Tanaka	12/02/63-12/01/2008	Lot 12, Waimanalo Ag Subdv. Koolaupoko	4-1-10:43	4.635	A—Int. Ag.	780.00
S-3761	Windward Plants Company, Ltd.	12/02/64-12/01/2011	Lot 13, Waimanalo Ag Subdv. Koolaupoko	4-1-10:44	4.014	A—Int. Ag.	950.00
S-3762	Henry Hiroshi Miyamoto & Clyde Maehiro Miyamoto	2/02/64-2/01/2008	Lot 14, Waimanalo Ag Subdv., Koolaupoko	4-1-10:46	5.137	A—Int. Ag.	1,300.00
S-3763	William K. and Charlotte K. Fuller	12/02/63-12/01/2007	Lot 15, Waimanalo Ag Subdv., Koolaupoko	4-1-10:48	5.256	A—Int. Ag.	2,190.00
S-3764	Servco Pacific, Inc.	12/02/63-12/01/2008	Lot 16, Waimanalo Ag Subdv., Koolaupoko	4-1-10:08	3.228	A—Int. Ag.	1,243.00
S-3766	Rodney H. and Iris T. Fukui	12/02/63-12/01/2000	Lot 26, Waimanalo Ag Subdv., Koolaupoko	4-1-27:29	7.001	A—Int. Ag.	725.00
S-3767	Kazuto & Ayako Yamada	12/02/63-12/01/2006	Lot 27, Waimanalo Ag Subdv., Koolaupoko	4-1-27:28	7.195	A—Int. Ag.	2,930.00
S-3768	Stanley S. Kawabata	12/02/63-12/01/2010	Lot 28, Waimanalo Ag Subdv., Koolaupoko	4-1-27:27	6.836	A—Int. Ag.	1,360.00
S-3769	Mun On & Rosalind K. Chang	12/02/63-12/01/2010	Lot 29, Waimanalo Ag Subdv., Koolaupoko	4-1-27:26	5.515	A—Int. Ag.	2,000.00
S-3770	Hiroshi & Sallie Ikene	12/02/63-12/01/2004	Lot 30, Waimanalo Ag Subdv., Koolaupoko	4-1-27:25	5.794	A—Int. Ag.	960.00
S-3771	Pacific Foliage, Inc.	12/02/63-12/01/2002	Lot 31, Waimanalo Ag Subdv., Koolaupoko	4-1-27:19	10.005	A—Int. Ag.	1,600.00
S-3773	Servco Pacific, Inc.	12/02/63-12/01/93	Lot 34, Waimanalo Ag Subdv., Koolaupoko	4-1-27:11	9.565	A—Int. Ag.	1,520.00

# General Leases

## Island of Oahu

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3774	Mashita, Inc.	12/02/63-12/01/2002	Lot 35, Waimanalo Ag Subdv., Koolaupoko	4-1-27:10	8.541	A—Int. Ag.	1,380.00
S-3775	Rainbow Properties, Inc.	12/02/63-12/01/2004	Lot 36, Waimanalo Ag Subdv., Koolaupoko	4-1-27:09	8.860	A—Int. Ag.	1,430.00
S-3776	Claudia M. Chaille, Angela Chaille Meixell	12/02/63-12/01/2007	Lot 37, Waimanalo Ag Subdv., Koolaupoko	4-1-27:12	8.513	A—Int. Ag.	1,900.00
S-3777	Sharon's Plants, Ltd.	12/02/63-12/01/2011	Lot 39, Waimanalo Ag Subdv., Koolaupoko	4-1-27:08	7.883	A—Int. Ag.	1,618.00
S-3778	Sharon's Plants, Ltd.	12/02/63-12/01/2006	Lot 40, Waimanalo Ag Subdv., Koolaupoko	4-1-27:07	5.686	A—Int. Ag.	1,374.00
S-3779	Sharon's Plants, Ltd.	12/05/63-12/04/2006	Lot 41, Waimanalo Ag Subdv., Koolaupoko	4-1-27:06	6.032	A—Int. Ag.	1,152.00
S-3780	GKK Specialties, Inc.	12/02/63-12/01/2008	Lot 46, Waimanalo Ag Subdv., Koolaupoko	4-1-26:19	6.705	A—Int. Ag.	1,100.00
S-3782	Peter A. & Gertrude Pak Chong	12/02/63-12/01/2008	Lot 48, Waimanalo Ag Subdv., Koolaupoko	4-1-26:17	7.136	A—Int. Ag.	1,875.00
S-3787	Warren Q. K. & Ellen S. P. Yee	12/02/63-12/01/93	Lot 7, Waimanalo Ag Subdv., Koolaupoko	4-1-10:38	3.536	A—Int. Ag.	1,521.00
S-3792	Elizabeth Heavey & Eleanor Kaleimomi McLellan	12/05/63-12/04/93	Lot 45, Waimanalo Ag Subdv., Koolaupoko	4-1-27:01	1.100	A—Int. Ag.	575.00
S-3793	Robert L. & Anna K. Ham	12/02/63-12/01/93	Lot 18A, Waimanalo Ag Subdv., Koolaupoko	4-1-10:06	6.490	A—Int. Ag.	1,251.00
S-3794	Abigail Kekaulike Kawanakoa	12/02/63-12/01/93	Lot 18B, Waimanalo Ag Subdv., Koolaupoko	4-1-10:05	5.744	A—Pasture	966.00
S-3854	Patricia & Nancy Maloney	8/10/64-8/09/2009	Lot 47, Waimanalo Ag Subdv., Koolaupoko	4-1-26:18	5.492	A—Int. Ag.	1,466.00
S-3856	Fred M. & Toshiko Nakayama	8/10/64-8/09/2002	Lot 9, Waimanalo Farm Lots, Koolaupoko	4-1-24:23	9.474	A—Int. Ag.	1,520.00
S-3858	Warren Q. K. & Ellen S. P. Yee	8/10/64-8/09/2004	Lot 8, Waimanalo Ag Subdv., Koolaupoko	4-1-10:39	3.662	A—Int. Ag.	1,700.00
S-3859	Faith Kiyoko Okabe	8/10/64-8/09/2011	Lot 56A & 56B, Waimanalo Farm Lots, Koolaupoko	4-1-25:22 & 23	8.923	A—Int. Ag.	1,972.00
S-3860	Yong & Helen Y. Kam	8/13/64-8/12/2010	Lot 31, Waimanalo Farm Lots, Koolaupoko	4-1-24:62 & 63	6.862	A—Int. Ag.	2,810.00
S-3861	Nolan B. George	8/10/64-8/09/2004	Lot 33, Waimanalo Ag Subdv., Koolaupoko	4-1-27:16	20.056	A—Pasture	900.00
S-4007	Living Designs, Inc.	9/12/66-9/11/2005	Lot 23 & 24, Waimanalo Ag Subdv., Koolaupoko	4-1-27:23	34.538	A—Int. Ag.	2,600.00
S-4008	Walter F. L. & Evelyn Z. Chong	9/11/66-9/11/2011	Lot 38, Waimanalo Ag Subdv., Koolaupoko	4-1-27:14	20.395	A—Int. Ag.	2,489.00
S-4009	Char Hung Sut Fish Farms	9/12/66-9/11/2011	Lot 28, Waimanalo Ag Subdv., Koolaupoko	4-1-24:54	9.454	A—Int. Ag.	800.00
S-4011	Matsuko Matsumoto	9/12/66-9/11/96	Lot 43, Waimanalo Ag Subdv., Koolaupoko	4-1-27:04	1.032	A—Int. Ag.	420.00
S-4093	Victor & Harriett Towne Gega (Britain/Kittle)	3/20/67-2/19/97	Lot 44, Waimanalo Ag Subdv., Koolaupoko	4-1-27:02	1.002	A—Int. Ag.	900.00
S-4095	Olomana Golf Links, Inc.	5/04/67-5/03/2007	Waimanalo, Koolaupoko	4-1-13:10	129.859	U—Com/Ind.	16,500.00
S-4101	Waimanalo Dairy	7/20/67-7/19/97	Waimanalo Ag Subdv., Koolaupoko	4-1-08: Por. 05 4-1-26:04	195.810	A—Int. Ag.	14,100.00

## General Leases

## Island of Oahu

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4133	Joseph N. A. Ryan, Jr. & Tamara Ryan	10/26/67-10/25/2020	Lot 49, Waimanalo Ag Subdv., Koolaupoko	4-1-26:15	8.450	A—Int. Ag.	3,072.00
D-4296	Ernest F. and Donna Carlbom	3/12/70-3/11/2010	Lot 17, Waimanalo Ag Subdv., Koolaupoko	4-1-10:07	11.001	A—Int. Ag.	2,100.00
S-4297	Mahalo Farms	3/12/70-3/11/2007	Lot 19, Waimanalo Ag Subdv., Koolaupoko	4-1-10:04	14.054	A—Int. Ag.	4,400.00
S-4298	S & S Plants, Inc.	3/12/70-3/11/90	Lot 20, Waimanalo Ag Subdv., Koolaupoko	4-1-10:03	15.587	A—Int. Ag.	3,600.00
S-4922	Koukeo Vixayvong	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 1	4-1-35:1	11.432	A—Int. Ag.	2,630.00
S-4923	Frank F. Sekiya & Donna S. F. Jay Sekiya	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 2	4-1-35:2	6.148	A—Int. Ag.	1,310.00
S-4924	Kenneth L. Vinzant & Lisa L. Vinzant	12/30/86-12/29/2021	Waimanalo Ag. Park, Phase 1, Lot 3	4-1-35:3	8.289	A—Int. Ag.	1,860.00
S-4925	Henry C. Y. Liu	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 4	4-1-35:4	10.171	A—Int. Ag.	2,500.00
S-4926	Kenjiro Uehara & Susan S. Uehara	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 5	4-1-35:5	10.027	A—Int. Ag.	2,350.00
S-4927	Vanxay Bounlangsu	12/30/86-12/29/2021	Waimanalo Ag. Park, Phase 1, Lot 6	4-1-35:6	10.209	A—Int. Ag.	2,520.00
S-4928	Bounthan Sikhattana	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 7	4-1-35:7	9.983	A—Int. Ag.	2,360.00
S-4929	Scott D. Chun & Lynda Chun	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 8	4-1-35:8	10.052	A—Int. Ag.	2,080.00
S-4930	Stephen K. Morse	2/18/87-7/31/2021	Waimanalo Ag. Park, Phase 1, Lot 9	4-1-35:9	9.250	A—Int. Ag.	2,370.00
S-4931	Clifford T. Fujimoto	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 10	4-1-35:10	9.401	A—Int. Ag.	2,050.00
S-4932	Koba's Nursery	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 11	4-1-35:11	7.289	A—Int. Ag.	1,800.00
S-4933	Alvin M. Tsuruda & Gail N. Y. Tsuruda	11/14/86-11/13/2021	Waimanalo Ag. Park, Phase 1, Lot 12	4-1-35:12	5.771	A—Int. Ag.	1,500.00
S-4934	Lloyd Y. C. Ching & Marilyn B. Y. Ching	11/24/86-11/23/2021	Waimanalo Ag. Park, Phase 1, Lot 13	4-1-35:13	7.164	A—Int. Ag.	1,710.00
S-4935	Paul Y. Mayeda	11/24/86-11/23/2021	Waimanalo Ag. Park, Phase 1, Lot 14	4-1-35:14	5.737	A—Int. Ag.	1,170.00



# Summary of General Leases

## Fourth Land District—Island of Kauai

Fiscal Year 1986-87

Use <sup>1</sup>	Area (Acres)	Annual Rental	No. of Leases <sup>2</sup>
Intensive agriculture use	38,444.592	\$ 625,090.35	40
Special livestock use	—	—	—
Pasture use	2,289.653	33,618.00	27
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	41.297	1,707.00	6
Watershed use	131.250	112,800.00	3
Res. use	110.170	308,390.00	112
Commercial and industrial use	65.569	224,050.00	26
Hotel, apartment and motel use	4.068	49,800.00	2
Resort use	—	—	—
Unclass. uses	662.043	105,487.10	49
TOTALS	41,748.640	\$1,460,942.45	265

<sup>1</sup>The following Land Use Commission classification is used throughout: A—Agriculture  
C—Conservation  
R—Rural  
U—Urban

<sup>2</sup>Leases awarded directly are preceded by "D." All others are awarded by public auction.

## General Leases

### Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3649	Michael M. Aki	5/11/61-5/10/91	Lawai Hmstds., Koloa	2-5-05:04, 05 & 06	7.540	A—Pasture	1,265.00
S-3650	August Aguiar	7/09/61-7/08/91	Kapaa Rice & Kula Lots, Kapaa, Puna	4-5-05:06	1.871	A—Int. Ag.	487.00
S-3666	William E. & Evelyn P. O. Fernandes	10/16/61-10/15/91	Hanalei Hmstds., Puna	5-4-02:34 & 38	13.640	A—Int. Ag.	175.00
S-3674	Lehua Fernandes-Salling and William Kimo Fernandez	12/18/61-12/17/2001	Wailua Rice & Kula Lots, Kawaihau, Puna	4-2-03:05	4.406	U—Com/Ind.	1,725.00
S-3694	Shoichi Nagamine	1/27/62-1/26/92	Hanapepe Valley, Waimea, Kona	1-9-03:06	7.826	A—Int. Ag.	595.00

General Leases

Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-3711	County of Kauai	11/15/62-11/14/2027	Hanapepe, Waimea, Kona	1-9-02:44, 46 1-9-03:23 1-9-04; 1-9-11; 1-9-12:47, 48, 49 & 50	10.426	A—Unclass.	Gratis
(D)S-3713	County of Kauai	11/15/62-11/14/2027	Abandoned WW II Underground Tunnel, Puuopae, Waimea, Kekaha & Hanapepe Valley	1-2-02 & Por. 01 1-8-07 & Por. 03		A—Unclass. County	Gratis
S-3733	Konko Kyo Church	2/25/63-2/24/93	Hanapepe Rice & Kula Lots, Hanapepe, Kona	1-9-12:13	1.840	A—Unclass. Elee.	360.00
(D)S-3795	Hawaiian Telephone Co.	11/26/63-11/25/2013	Hanapepe & Puu Ka Pele, Waimea, Kona	1-9-03: Por. 30 1-4-01:02	1.042	A—Unclass. ROW	172.00
S-3800	Noboru Munechika & Michie N. Munechika	1/25/64-1/24/2004	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-02:06 & 07	2.930	A—Int. Ag.	435.00
S-3827	East Kauai Water Co., Ltd.	5/11/64-5/10/94	Drainage Basins of N. Wailua, Kapaa, Anahola & Hanalei Rivers, Kapaa, Halelea	4-6-03:34 & 35 4-6-06:07, 20, 23, 31 & 37 4-6-07:09, 11, 12 & 22 4-6-08:30 & 56 4-6-09:05, 06, 13, 17 & 24 4-6-10:04 & 05 4-6-14:13 & 14 4-6-15:23 4-6-20:14 4-6-25:38 4-6-26:01 4-6-27:25 & 26 4-6-28:15 & 16 4-6-32:22, 23, 30, 32 & 35		C—Watershed License	104,400.00
S-3828	Lihue Plantation Co., Ltd.	5/11/64-5/10/94	Por. Moloaa For. Res. Papaa, Moloaa, Kawaihau	4-9-01: por. 1	125.000	C—Watershed License	2,400.00
S-3831	Charles River Hawaii Limited Partnership	5/18/64-5/17/2029	Wailua Resort Site, Lihue	3-9-06:16	2.497	U—Com/Ind.	38,084.00
S-3832	Michael J. Warriner & Linda J. Warriner	5/18/64-5/17/2019	Por. Kapaa, Kawaihau	4-5-11:46	.593	U—Com/Ind.	7,700.00
S-3840	Charles River Hawaii Limited Partnership	7/06/64-7/05/2029	Wailua Resort Site, Wailua	3-9-06:20	6.093	U—Com/Ind.	74,416.00

# General Leases

## Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3842	Bank of Hawaii	7/06/64-7/05/94	Hanapepe Town Lots, Waimea	1-9-05:49	.452	U—Com/Ind.	7,800.00
(D)S-3852	U.S. of America (Navy)	8/20/64-8/19/2029	Bonham Air Force Base, Kona	1-2-02:25, 26, 27 & 28	189.557	U—Unclass. Fed.	1.00 Full Term
(D)S-3863	Kauai County, Y.W.C.A	4/01/65-3/31/2020	Por. Kokee Camp Sites, Waimea	1-4-04:33	3.607	C—Res.	840.00
(D)S-3879	Kauai Electric Co., Ltd.	1/11/65-1/10/2030	Hanapepe Transformer Site, Waimea	1-8-08:70	.017	U—Unclass. ROW	78.00
S-3882	East Kauai Water Co., Ltd.	1/11/65-5/10/94	Kapaa Hmstds., Kapaa	4-6-05:08	3.360	U—Res.	100.00
S-3883	Kanichi & Alicia Tanigawa	1/11/65-1/10/93	Hanapepe Town Lots, Hanapepe	1-9-10:33	.181	U—Com/Ind.	2,400.00
(D)S-3911	Kauai Electric Co., Ltd.	4/14/65-4/13/2030	Por. Wailua, N. Oloheua, Waipouli, Lihue, Kawaihau, Puna	3-9-01 4-2-01	26.420	A—Unclass. ROW	515.00
(D)S-3917	U.S. of America	2/1/65-1/31/2020	Kokee Pacific Range Missile Facilities, Waimea	1-4-01: por. 13	22.900	C—Unclass.	600.00
(D)S-3928	U.S. of America (Army)	9/01/65-8/31/2030	Kokee, Waimea	1-4-01: por. 13	8.450	U—Unclass.	Gratis
(D)S-3937	County of Kauai	11/01/65-10/31/2030	Hanapepe, Waimea	1-9-04:21	3.151	U—Unclass.	Gratis
S-3940	McBryde Sugar Co., Ltd.	11/16/65-11/15/2030	Por. Hanalei, Wailua & Kalaheo	2-3-01; 2-3-02; 2-3-12:01; 2-4-01; 3-9-01; 3-9-02:15; 4-2-01:02; 5-3-01:03; 5-4-01:01	74.380	A—Unclass. ROW	4,000.00
S-3941	Rehabilitation Unlimited, Kauai	11/16/65-11/15/2020	Wailua Coconut Grove Kawaihau, Puna	4-1-03:18	.313	U—Com/Ind.	220.00
S-3945	Leroy K. A. Aguiar	12/16/65-12/15/2000	Kapaa Hmstds., Kawaihau, Puna	4-6-05:11	4.110	A—Int. Ag.	600.00
(D)S-3952	U.S. of America (Navy)	12/17/65-12/16/2030	Waimea		248.220	C—Unclass.	Gratis
S-3960	Hitoshi & Hatsue K. Miyabara	2/17/66-2/16/96	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-02:01 & 20	3.326	A—Int. Ag.	385.00
S-3973	Leialoha Dung	5/26/66-5/25/2031	Lot 25, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-02: Por. 11	.174	A—Unclass. ROW	6.50
S-3977	R.K.U. Enterprises, Inc.	5/26/66-5/25/2021	Hanapepe Town Lots, Waimea, Kona	1-9-05:07	.158	U—Com/Ind.	2,000.00
S-3987	Helen H. Souza	8/01/68-7/31/88	Kapaa Rice & Kula Lots, Kawaihau, Puna	4-5-15:29	.987	A—Pasture	126.00
S-3992	Nicholas B. and Judith Dettman	7/14/66-7/13/2031	Por. Lawai, Koloa	2-5-02:34	.037	A—Unclass. ROW	18.00
S-3993	Ichiji & Masako Matsumura	7/14/66-7/13/2001	Por. Kapaa Hmstds., Kawaihau, Puna	4-6-05:09	3.000	A—Int. Ag.	1,000.00
(D)S-4022	Hawaiian Telephone Co.	11/17/66-11/16/2031	Por. Kapaa Rice & Kula Lots, Kawaihau	4-5-15: Por. 28	.156	A—Unclass. ROW	35.00



# General Leases

## Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4023	Tetsuro Maeda & Yoshio Hiranaka dba T & Y	11/17/66-11/16/2021	Nawiliwili Harbor Lots, Lihue	3-2-04:11	.618	U—Com/Ind.	11,000.00
S-4092	Samuel K. Thronas	2/16/67-2/15/2002	Parcels A & B, Wailua Game Res., N & S. Olohana, Waipouli, Kapaa, Kawaihau	4-2-01:01 4-4-01:01	1,855.000	A—Pasture	3,225.00
(D)S-4128	Boy Scouts of America, Aloha Council	12/01/67-11/30/2022	Waimea Canyon Park, Waimea (Kona)	1-4-01:15	29.000	C—Rec.	470.00
S-4135	McBryde Sugar Co., Ltd.	11/29/67-11/28/2032	Waimea (Kona)	1-9-03:02, 03 & 04	1.710	A—Unclass. ROW	26.00
S-4200	William E. Fernandes	8/01/68-7/31/2023	Kawaihau (Puna)	4-5-15:40	2.035	U—Com/Ind.	825.00
S-4222	Kekaha Sugar Co., Ltd.	1/01/69-12/31/93	Waimea (inc. HHL) (Kona)	1-2-02:01 & 23	7,380.657 927.130 7,759.423 11,657.548 27,724.758	A—Int. Ag. Cane Contributory Pasture	354,300.00 44,500.00 15,000.00 413,800.00
(D)S-4240	University of Hawaii	4/25/69-4/24/99	Wailua, Kawaihau (Puna)	4-1-01:17 4-1-02:07	9.830	A—Int. Ag.	1.00
S-4244	Island Holidays, Ltd.	5/13/69-5/12/2034	Parts 1 & 2, Wailua, Kawaihau (Puna)	4-1-05	.065	U—Com/Ind.	730.00 Full Term
(D)S-4250	Honolulu Gas Co., Ltd.	9/09/68-9/08/2023	Nawiliwili	3-2-03:30	1.614	U—Com/Ind.	3,770.00
S-4254	T. T. Kuramoto & Co., Ltd.	8/12/69-8/11/2024	Kekaha Town Lots, Kekaha, Waimea	1-3-03:40	.302	U—Com/Ind.	515.00
S-4256	Kekaha Sugar Co., Ltd.	8/12/69-8/11/89	Waimea (Kona)	1-5-01:19	6.250	C—Watershed License	6,000.00
S-4257	Hiroshi Azeka	8/12/69-8/11/2019	Kapaa Town Lots, Kawaihau (Puna)	4-5-09:08	.351	U—Com/Ind.	733.00
(D)S-4259	U.S. of America (Army)	6/17/69-6/16/89	Parcels 1 & 2, Kokee State Park	1-4-01:03	1.343	C—Unclass.	Gratis
(D)S-4265	Kauai Electric Co., Ltd.	3/15/66-3/14/2031	Wailua, Lihue	3-9-06:26	.158	U—Unclass. ROW	1,300.00
S-4275	Denny's Repair & Service, Inc.	2/25/70-2/24/2025	Hanapepe Town Lots, Waimea (Kona)	1-9-05:09	.322	U—Com/Ind.	632.00
S-4276	Iolani Sportswear, Ltd.	1/27/70-1/26/2035	Hanapepe Business Lots, Waimea (Kona)	1-8-08:40	1.256	U—Com/Ind.	1,970.00
S-4277	William J. Sanchez	1/27/70-1/26/95	Kapaa Hmstds., Kawaihau (Puna)	4-4-04:05	49.701	A—Pasture	1,550.00
(D)S-4388	Antone & Pearl F. Perez (Perry)	5/02/74-5/01/2039	Easement A, Lawai Hmstds., Lawai, Kona	2-5-02	.021	A—Unclass. ROW	25.00
(D)S-4389	Manuel & Elsie F. Perez (Perry)	5/02/74-5/01/2039	Easement B, Lawai Hmstds., Lawai, Kona	2-5-02	.024	A—Unclass. ROW	30.00
S-4392	Toshio & Lois N. Hashimoto	12/20/73-5/25/2031	Hanapepe Rice & Kula Lots, Hanapepe, Waimea, Kona	1-9-01:11	4.080	A—Int. Ag. & Res.	1,951.00
S-4393	Christopher Barry Singleton	1/18/74-1/17/2029	Kainahola Pasture Land, Waipouli, Kawaihau (Puna)	4-4-04:44	40.260	A—Int. Ag.	3,025.00
S-4394	Pride Co., Inc.	12/20/73-12/19/93	Waiahole, Waimea Valley, Waimea (Kona)	1-5-03:01	11.660	A—Int. Ag.	1,282.00

General Leases  
Island of Kauai  
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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4396	Terry Wells & Carole Wells, Leland Nishek & Barbara Nishek	1/18/74-1/17/94	Kapaa Hmstds., Kawaihau (Puna)	4-4-02:31	19.150	A—Pasture	390.00
S-4397	Manji & Emma C. Ouye	1/20/73-12/19/2038	Nawiliwili Harbor, Nawiliwili, Lihue, Puna	3-2-04:56	.808	U—Unclass. Parking & Landscaping	420.00
S-4398	Kapaa Poi Factory, Inc.	1/20/73-12/29/2008	Kainahola Pasture Land, Waipouli, Kawaihau (Puna)	4-4-04:43	3.000	A—Com/Ind.	1,200.00
S-4401	Kauai Soto Zen Temple, Zenshuji, Inc.	7/01/74-6/30/2039	Hanapepe, Waimea (Kona)	1-8-08:77	3.126	U—Unclass.	2,400.00
(D)S-4406	County of Kauai	7/01/73-6/30/2038	Kalaheo, Koloa (Kona)	2-4-09:06	.171	C—Unclass. ROW	Gratis
S-4412	The Lihue Plantation Co., Ltd.	10/31/74-10/30/99	Wailua, Lihue (Puna)	3-9-01:02; 3-9-02:01, 12, 20, 25, 26, 27 & 28; 3-9-06:09	6,543.668	A—Int. Ag.	112,742.00
S-4413	The Lihue Plantation Co., Ltd.	10/31/74-10/30/99	Wailua, Kapaa & Anahola (Puna)	3-9-02:24; 3-9-06:12; 4-1-04:20; 4-3-04:08; 4-5-13:28; 4-5-15:35; 4-6-14:90; 4-7-04:04; 4-8-03:03	31.000	A—Unclass. ROW	7,352.00
(D)S-4414	Rose Marie Kuntz, Donald T. Kuntz, Barbara A. Kuntz, Donna M. Kuntz, James S. Kuntz & Michael J. Kuntz	8/08/74-8/07/2039	Waioli, Hanalei (Halelea)	5-5-06	.212	A—Unclass. ROW	216.00 Full Term
(D)S-4436	Tenrikyo Taiheiyo Kyokai	9/01/75-8/31/2040	Kapaa Town Lots, Kapaa, Kawaihau	4-5-08:08	.347	U—Unclass.	1,680.00
(D)S-4517	GASCO, Inc.	4/1/72-3/31/2037	Por. of Gov't Crown Land of Waimea adj. to Lot 110 of Kekaha Garden Subv.	1-2-02	.179	U—Unclass. ROW	620.00
(D)S-4547	Citizens Utilities Co.	5/1/77-4/30/2042	Kekaha, Waimea	1-2-02	4.014	U—Unclass.	99.00
(D)S-4551	The Church of Jesus Christ of Latter Day Saints	5/1/80-4/30/2045	Kapaa, Kawaihau	4-5-09: Block K	.252	U—Unclass.	25.00
S-4554	Eric Paul Christian	8/25/72-8/24/2037	Anahola, Kawaihau	4-8-06: por. 26	.062	A—Unclass. ROW	324.60 Full Term
(D)S-4564	Honpa Hongwanji Mission of Hawaii	7/08/77-7/07/2042	Lot 81, Puu Ka Pele Park Lots, Waimea	1-4-02:78	1.060	C—Rec.	1.00
(D)S-4571	Kauai Electric Co.	4/13/73-3/14/2031	Wailua, Lihue (Puna)	3-9-06: por. 9	.124	U—Com/Ind.	950.00
(D)S-4573	RKU Enterprises, Inc.	11/30/77-11/29/2027	Lot 23, Hanapepe Business Lots, Hanapepe, Waimea (Kona)	1-8-08:64	.978	U—Com/Ind.	6,400.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4575	Hiroshi Azeka & Toshiko Azeka & Norman David Thompson & Karen Edith Thompson	11/30/77-11/20/2017	Gov't Remainder, Nawiliwili, Lihue	3-2-04:14	.576	U—Com/Ind.	19,730.00
(D)S-4576	Lihue Plantation Company, Ltd.	12/15/77-12/14/2002	Por. of Anahola-Kamalomalo Gov't Lands, Kawaihau	4-7-01, 02, 04; 4-8-02, 03	3,111.000	A—Int. Ag. Cane	41,259.00
S-4576-A	Wayne S. Royal & Jan W. Royal	12/16/77-12/15/2042	Lot 7-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-12	.076	A—Unclass. ROW	174.00 Full Term
S-4581	John D. Harder & Vida L. Harder	4/19/78-4/18/2043	Gov't (Crown) Land of Anahola, Kawaihau (Puna) Being Easements "A-A" & "B-B"	4-8-04:3	1.075	A—Unclass. ROW	163.00 Full Term
S-4585	Walter S. Palmeira & Nardeen K. Palmeira	5/04/78-5/03/93	Por. of Gov't Crown Land of Wailua across Lihue Jail Site, Wailua, Lihue (Puna)	3-9-02:17	9.960	A—Int. Ag.	900.00
S-4586	McBryde Sugar Co., Ltd.	5/04/78-5/03/2003	Lots 10-A & 10-A Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-02:13 & 45	10.976	A—Int. Ag. Cane	2,722.35
(D)S-4591	Kauai Electric	10/13/67-10/12/2032	Nawiliwili Substa. Site, Lihue, Puna	3-3-03	.021	U—Unclass. ROW	33.00
(D)S-4596	U.S. of America, Dept. of Navy	1/28/77-1/27/2027	Mana, Waimea	1-2-02: por. 1	.138	C—Unclass.	Gratis
(D)S-4597	United States of America Dept. of the Navy	9/8/78-8/19/2029	Mana, Waimea, Kona, Kauai	1-2-02: por. 1	.110	A—Unclass. ROW	Gratis
S-4607	Richard Cummings Kauai & Clement H. Kauai	11/16/74-11/15/2038	Kapaa, Kauai	4-6-09	.360	U—Unclass. ROW	62.00 Full Term
S-4618	Henry Cobb-Adams III & Dora Leilani Cobb-Adams	10/24/75-10/23/2040	Anahola, Kawaihau (Koolau)	4-8-06: por. 25, 55 & 56	.192	A—Unclass. ROW	442.00 Full Term
S-4645	Wailua Associates	5/16/80-5/15/2045	Wailua, Kawaihau (Puna)	4-1-03: por. 39	.018	U—Unclass. ROW	2,900.00 Full Term
S-4646	Alida Toulon White	5/16/80-5/15/2045	Omao, Koloa	2-7-04: por. 12	.159	A—Unclass. ROW	4,690.00 Full Term
S-4647	Charles River Hawaii Limited Partnership	5/16/80-7/5/2029	Wailua, Lihue	3-9-06:16	1.770	U—Unclass.	9,714.00
S-4648	Michael J. Warriner & Linda J. Harding Warriner	6/15/80-6/14/95	Kapaa, Kawaihau	4-5-12:5	.221	U—Unclass.	4,600.00
S-4649	Ficker and Hunt	5/16/80-5/15/2005	Kekaha, Waimea	1-3-03:41	.552	U—Com/Ind.	3,900.00
S-4650	Kauai Sand & Gravel, Inc.	6/15/80-6/14/2000	Wailua, Lihue (Puna)	3-9-02:3	45.023	A—Pasture	4,500.00
S-4654	Pride Company, Inc.	5/16/80-5/15/2000	Kekaha, Waimea (Kona)	1-2-02:35	42.019	A—Int. Ag.	3,000.00
S-4655	The Lihue Plantation Company, Limited	5/16/80-5/15/2005	Wailua, Kawaihau (Puna)	4-2-01: por. 3	213.880	A—Int. Ag.	7,000.00
S-4659	Smith's Motor Boat Service, Inc.	10/15/78-10/14/88	Wailua, Kawaihau (Puna)	3-9-04:3	.167	C—Unclass.	48,000.00



General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4672	U.S. of America, Dept. of the Navy	2/9/79-2/8/89	Waimea, (Kona)	1-2-01	.014	C—Unclass.	Gratis
S-4674	Honpa Hongwanji Mission	2/1/81-1/31/96	Kapaa, Kawaihau (Puna)	4-5-06:08	.570	U—Unclass.	2,800.00
S-4739	Walter Lappert	7/16/81-7/15/2021	Lot 15, Brodie Lots, Hanapepe	1-8-08:62	.385	U—Com/Ind.	5,800.00
S-4740	Wailua Associates	7/16/81-7/15/2006	Par. C. Wailua Coconut Grove	4-1-03:17	.855	U—Hotel, Apt. & Motel	7,800.00
S-4741	Pioneer Hi-Bred International, Inc.	7/16/81-7/15/2016	Government Land, Kekaha	1-2-02: por. 6	5.601	A—Int. Ag.	2,625.00
S-4742	Nemesio Carlos	8/15/81-8/14/91	Government Land, Kapaa	4-3-04:12	3.000	U—Int. Ag.	520.00
S-4745	Kauai Sand and Gravel, Inc.	1/16/82-1/15/92	Government Land, Wailua House Lots	4-1-09:17	11.796	U—Pasture	2,100.00
S-4746	Lincoln Y. T. Ching	7/16/81-7/15/91	Government Land, Kapaa Rice & Kula Lots	4-5-15:10, 28 & por. 37	30.586	U—Pasture	1,350.00
S-4779	Tsutao Okasako	12/3/81-12/2/96	Por. of Lot 173, Kapaa Hmstds., Third Series, Kapaa	4-6-08:01	21.400	A—Int. Ag.	2,501.00
S-4780	Samuel K. Thronas	12/3/81-12/2/91	Lot 24, Wailua Rice & Kula Lots, Wailua	3-9-04:1; 3-9-02: por. 30	7.824	C—Pasture	1,150.00
S-4781	Kauai Sand and Gravel, Inc.	1/2/82-1/1/92	Gov't (Crown) Land of Wailua, Wailua	3-9-05:19 & 20	21.300	C—Pasture	320.00
S-4782	Fay T. Rapozo	1/2/82-1/1/92	Gov't (Crown) Land of Kapaa, Kapaa	4-5-15:35, 36	11.509	U—Pasture	625.00
S-4853	Albert K. Kauai	11/6/81-11/15/2046	Kapaa River Rem. B	4-6-09:32, 50	.360	A—Unclass.	275.00 Full Term
(D)S-4856	Hawaiian Telephone Co.	10/1/81-9/30/2046	Portion of Lihue Koloa Forest Reserve	2-4-09: por. 03	.046	C—Unclass.	55.00
S-4859	Dale M. Nagamine	4/28/83-4/27/2003	Lots 12-A-2 & 13-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-03:10	4.037	A—Int. Ag.	500.00
S-4861	Patrick J. Lyons, Sr.	4/28/83-4/27/2003	Lot A, Pts 1 & 2, Kapaa Hmstds., 1st Series	4-6-02:1, 13, 17 and 19	50.647	A—Int. Ag.	6,001.00
S-4862	Nicki Lynn Medeiros	4/28/83-4/27/2003	Lot 62, Kapaa Hmstds., 1st Series	4-6-06:28 & 29	9.170	A—Int. Ag.	1,925.00
S-4863	Antone Andrade, Sr.	4/28/83-4/27/2003	Kuwaawaa Pasture Reserve, Kalaheo	2-4-03:01	163.842	A—Int. Ag.	6,550.00
S-4864	Alfred Andrade	4/28/83-4/27/1998	Pasture Reserve C, Kalaheo Homesteads, 2nd Series	2-3-07:13	33.212	A—Pasture	3,100.00
S-4865	Antone Andrade, Sr.	4/28/83-4/27/1998	Kalaheo Reservoir #6, Kalaheo Hmstds., 1st Series	2-4-03:17	7.335	A—Pasture	1,050.00
S-4866	Janna Schlien	5/28/83-5/27/1998	Lot 47-A and por. of Lot 47-B, Omao Hmstds., Omao, Koloa	2-7-04:11	5.916	A—Pasture	1,052.00
S-4867	George B. Fernandes	5/28/83-5/27/1998	Lot 22, Wailua Rice & Kula Lots, Waiwa, Lihue	3-9-04:08	8.280	A—Pasture	1,700.00

## General Leases

## Island of Kauai

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4868	Vernon J. Souza	4/28/83-4/27/1998	Por. Lot 7, Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-02:20 & 22	4.080	A—Pasture	1,000.00
S-4870	Christina A. Apana	5/28/83-5/27/1998	Lots 1-A & 1-B, Wailua Rice & Kula Lots	4-1-06:01 & 02	3.442	A—Pasture	80.00
S-4871	Samuel K. Thronas	4/28/83-4/27/1998	Gov't Land situate between SE boundary of Nonou Forest Reserve and NW boundary of Wailua Rice and Kula Lots, Wailua, Kawaihau (Puna)	4-1-09:20	25.830	A—Pasture	700.00
S-4872	George B. Fernandes	5/28/83-5/27/1998	Por. of Gov't Crown Land of Wailua, Wailua, Kawaihau, Puna	4-1-09:07 4-1-10:16	7.452	A—Pasture	1,510.00
S-4873	Louis K. Rego, Sr.	5/28/83-5/27/1998	Lot 1, Kapaa Ag. Lot, Kapaa, Kawaihau	4-3-04:01, 14, 17	66.570	A—Pasture	4,000.00
S-4874	Patrick Lopez, Sr.	5/28/83-5/27/1998	Kapaa River Rem. B, Kapaa Hmstds., 4th Series, Kapaa, Kawaihau (Puna)	4-6-09:50	3.400	A—Pasture	1,475.00
S-4875	Kokee Ventures, Inc.	4/01/83-3/31/1998	Lots A, C, D, E & F Kokee State Pk., Waimea (Kona)	1-4-04:32, 73	3.213	C—Hotel, Apt. & Motel Use	42,000.00
S-4878	Wailua Associates	8/18/83-8/17/2048	Wailua, Kawaihau, Puna	4-1-03:05	14.834	U—Com/Ind.	7,300.00
S-4879	Kekaha Sugar Co., Ltd.	11/1/83-10/31/2018	Puu Ka Pele Forest Reserve, Waimea, Puna	1-2-01: por. 3, 4, 7, 8 & 9	22.469	C—Com/Ind.	450.00
S-4913-A	Pioneer Hi-Bred International, Inc.	12/29/83-7/15/2016	Por. Gov't (Crown) Land of Waimea, Kekaha	1-2-02: por. 1 & 6	32.929	A—Int. Ag.	900.00
S-4918	Waialeale Boat	5/15/82-5/14/92	Wailua River	3-9-02, 03 & 04	.008	C—Com/Ind.	19,800.00
S-4937	Tatsuo Nishi	11/15/84-11/14/99	Lot 22, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-12:37	2.430	A—Int. Ag.	450.00
S-4938	Russell H. Nonaka	1/13/85-1/12/2000	Lot 22, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-01:03	4.950	A—Int. Ag.	900.00
S-4939	George B. Fernandes	12/14/84-12/13/99	Par. 1, Wailua Resort Site, Wailua	3-9-06:11	11.482	A—Int. Ag.	1,155.00
S-4940	William J. Sanchez	11/14/84-11/14/99	Par. A, Kainahola Pasture Land, Kapaa Hmstds., 2nd Series, Waipouli (Puna)	4-4-04:04 & 51	33.930	A—Int. Ag.	1,180.00
S-4941	Bernard P. Carvalho, Sr.	11/15/84-11/14/99	Lot 36, Kapaa Hmstds., 1st Series, Kapaa, Kawaihau (Puna)	4-6-05:10 1-9-12:11	6.240	A—Int. Ag.	1,000.00
S-4942	Frank S. Nonaka	11/15/84-11/14/99	Lot 6A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)		.950	A—Int. Ag.	250.00
S-4943	Joseph E. Brun & John G. Rita	1/13/85-1/12/2000	Sec. E, Hanapepe Gov't Land, Hanapepe, Waimea (Kona)	1-8-06:03	287.130	A—Int. Ag.	1,875.00

# General Leases

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4944	Mervin Lloyd Rapozo & Fay Takabayashi Rapozo	12/14/84-12/13/99	Lots 2-B & 3 & Por. of Lots 5 & 6, Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-02: por. 23 & 4-2-03:48	15.309	A—Pasture	425.00
S-4945	Bernard P. Carvalho, Sr.	11/15/84-11/14/99	Lots 8-A & 8-B Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-02:12	8.430	A—Pasture	160.00
S-4946	Glenn Alquiza	1/18/85-1/17/2000	Lots 53 & 54 (Combined) Hanapepe Town Lots, 1st Series, Hanapepe, Waimea (Kona)	1-0-10:36 & 37	.387	U—Com/Ind.	4,000.00
S-4947	Bernard P. Carvalho, Sr.	11/20/84-11/19/99	Lots 30-A & 52, Kapaa Hmstds., 1st Series, Kapaa, Kawaihau (Puna)	4-6-05:05	2.600	A—Int. Ag.	360.00
S-4968	Smith's Motor Boat	7/3/85-10/14/88	Lot 21, Wailua	3-9-04:02	22.160	C—Unclass.	10,800.00
S-4969	Helen L. Peterson	4/1/86-3/31/2006	Lots 2 & 3, Kokee Camp Site, Waimea	1-4-03:01 & 02	3.660	C—Res.	5,000.00
S-4970	Joel Cavasso	4/1/86-3/31/2006	Lot 4, Kokee Camp Site, Waimea	1-4-03:14	1.050	C—Res.	1,700.00
S-4971	Jack G. Harter & Beverly J. Harter	1/1/86-12/31/2005	Lot 5, Kokee Camp Site, Waimea	1-4-03:16	.980	C—Res.	1,350.00
S-4972	Wayne J. Jacintho & Deborah S. Jacintho	1/1/86-12/31/2005	Lot 6, Kokee Camp Site, Waimea	1-4-03:04	.960	C—Res.	2,600.00
S-4973	Albert J. Kocher & Helen S. Kocher	1/1/86-12/31/2005	Lot 7, Kokee Camp Site, Waimea	1-4-03:05	.810	C—Res.	1,025.00
S-4974	Lealani Corporation	1/1/86-12/31/2005	Lots 8 & 37, Kokee Camp Site, Waimea	1-4-04:14	1.200	C—Res.	3,200.00
S-4975	Alma B. Zalopany	1/1/86-12/31/2005	Lot 9, Kokee Camp Site, Waimea	1-4-03:06	.790	C—Res.	1,300.00
S-4976	Michael A. Givens	1/1/86-12/31/2005	Lot 10, Kokee Camp Site, Waimea	1-4-03:09	1.420	C—Res.	2,550.00
S-4977	Anna J. Hansen	1/1/86-12/31/2005	Lot 11, Kokee Camp Site, Waimea	1-4-03:07	1.470	C—Res.	1,150.00
S-4978	Randall J. Hee, Nancy M. Hee, Bob A. Hee, Hong Min Hee, Violet C. L. Hee	1/1/86-12/31/2005	Lot 12, Kokee Camp Site, Waimea	1-4-03:10	2.000	C—Res.	1,350.00
S-4979	Grove Farm Company, Incorporated	1/1/86-12/31/2005	Lot 13, Kokee Camp Site, Waimea	1-4-03:08	1.120	C—Res.	1,850.00
S-4980	Kikiaola Land Company, Limited	1/1/86-12/31/2005	Lot 14, Kokee Camp Site, Waimea	1-4-03:12	2.000	C—Res.	2,050.00
S-4981	Harwood D. Williamson & Nancy H. Williamson	1/1/86-12/31/2005	Lot 15, Kokee Camp Site, Waimea	1-4-03:13	1.820	C—Res.	2,050.00
S-4982	Robert B. White & Alida T. White	4/1/86-12/31/2006	Lots 17 & 18, Kokee Camp Site, Waimea	1-4-04:38	1.660	C—Res.	4,200.00
S-4983	Kenji Ego & Winifred S. L. T. Ego	1/1/86-12/31/2005	Lots 20 & 21, Kokee Camp Site, Waimea	1-4-04:35	.930	C—Res.	5,500.00



**General Leases**

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4984	Ranbir Iwalani Khalsa	1/1/86-12/31/2005	Lot 22, Kokee Camp Site, Waimea	1-4-04:13	.510	C—Res.	3,000.00
S-4985	Sarah O. Nakamura & Creighton K. Nakamura	4/1/86-3/31/2006	Lot 27, Kokee Camp Site, Waimea	1-4-04:30	.650	C—Res.	2,600.00
S-4986	Dezma Alex Dunn & Dorothy P. Dunn	1/1/86-12/31/2005	Lot 29, Kokee Camp Site, Waimea	1-4-04:21	.710	C—Res.	1,550.00
S-4987	Kumuela, Inc.	1/1/86-12/31/2005	Lot 30, Kokee Camp Site, Waimea	1-4-04:20	.840	C—Res.	4,000.00
S-4988	Rick Ralston & Jim Romig	1/1/86-12/31/2005	Lots 31 & 32, Kokee Camp Site, Waimea	1-4-04:19	1.900	C—Res.	5,100.00
S-4989	Juliet Rice Wichman	1/1/86-12/31/2005	Lot 33, Kokee Camp Site, Waimea	1-4-04:18	.680	C—Res.	2,050.00
S-4990	Charles R. Wichman & Jeanne R. Wichman	1/1/86-12/31/2005	Lot 34, Kokee Camp Site, Waimea	1-4-04:17	1.010	C—Res.	4,100.00
S-4991	John H. R. Plews	1/1/86-12/31/2005	Lots 35 & 36, Kokee Camp Site, Waimea	1-4-04:16	1.460	C—Res.	5,600.00
S-4992	Frank O. Hay, Jr.	1/1/86-12/31/2005	Lot 38, Kokee Camp Site, Waimea	1-4-04:43	.900	C—Res.	2,850.00
S-4993	Glen Aronson	4/1/86-3/31/2006	Lot 39, Kokee Camp Site, Waimea	1-4-04:06	.770	C—Res.	2,800.00
S-4994	Ardel H. Deppe	4/1/86-3/31/2006	Lot 40, Kokee Camp Site, Waimea	1-4-04:05	1.110	C—Res.	3,650.00
S-4995	Maile Marcallino Taylor	1/1/86-12/31/2005	Lot 41, Kokee Camp Site, Waimea	1-4-04:07	.620	C—Res.	2,050.00
S-4996	Robert L. Miller & Dian Ewart Miller	1/1/86-12/31/2005	Lots 42 & 44, Kokee Camp Site, Waimea	1-4-04:04	1.440	C—Res.	2,750.00
S-4997	Arthur Palama & Lena K. Palama & Abduladim M. Senussi	4/1/86-3/31/2006	Lot 43, Kokee Camp Site, Waimea	1-4-04:08	.690	C—Res.	2,500.00
S-4998	David Wilson Cornwell	1/1/86-12/31/2005	Lot 45, Kokee Camp Site, Waimea	1-4-04:09	1.320	C—Res.	5,525.00
S-4999	Kenneth R. Harding & Katharine K. Harding	1/1/86-12/31/2005	Lot 46, Kokee Camp Site, Waimea	1-4-04:10	1.110	C—Res.	2,225.00
S-5021	William S. Dunford	1/1/86-12/31/2005	Lot 47, Kokee Camp Site, Waimea	1-4-04:03	1.210	C—Res.	2,225.00
S-5022	Dorothea M. Nomura	1/1/86-12/31/2005	Lot 50, Kokee Camp Site, Waimea	1-4-03:11	.800	C—Res.	2,600.00
S-5023	Ted K. Blake & Edward K. Schimmelfenning	1/1/86-12/31/2005	Lot 51, Kokee Camp Site, Waimea	1-4-03:17	.580	C—Res.	4,200.00
S-5024	Wilfred J. Baldwin & Anne K. Baldwin & A. J. Toulon & Elizabeth Toulon	1/1/86-12/31/2005	Lot 52, Kokee Camp Site, Waimea	1-4-03:03	.960	C—Res.	2,050.00
S-5026	Carol M. Wilcox & Diane G. Faye	1/1/86-12/31/2005	Lot 54, Kokee Camp Site, Waimea	1-4-04:12	.400	C—Res.	3,025.00
S-5027	Jean S. Hom	1/1/86-12/31/2005	Lot 55, Kokee Camp Site, Waimea	1-4-04:11	.310	C—Res.	2,700.00
S-5028	Waimea Garage, Limited	1/1/86-12/31/2005	Lot 58, Kokee Camp Site, Waimea	1-4-04:24	1.030	C—Res.	3,200.00
S-5029	Francis X. Warther & Enes B. Warther	1/1/86-12/31/2005	Lots 60 & 63, Kokee Camp Site, Waimea	1-4-04:01	.660	C—Res.	2,800.00
S-5030	Donn A. Carswell & Gale F. Carswell	1/1/86-12/31/2005	Lot 61, Kokee Camp Site, Waimea	1-4-04:28	1.000	C—Res.	3,750.00

# General Leases

## Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-5031	Kathryn T. Dinham	1/1/86-12/31/2005	Lot 64, Kokee Camp Site, Waimea	1-4-04:40	1.070	C—Res.	2,750.00
S-5032	R. Electric, Inc.	1/1/86-12/31/2005	Lot 65, Kokee Camp Site, Waimea	1-4-04:36	.830	C—Res.	2,050.00
S-5033	William J. McCord & Barbara W. McCord; William B. Wilson & Helen Sue W. Wilson; Paul J. Farrell & Leona W. Farrell; Robert T. Watts, Jr. & Karen S. Watts; and Kendall T. Watts	1/1/86-12/31/2005	Lot 67, Kokee Camp Site, Waimea	1-4-04:41	.500	C—Res.	3,950.00
S-5034	David S. Boynton	1/1/86-12/31/2005	Lot 71, Kokee Camp Site, Waimea	1-4-04:63	.530	C—Res.	4,000.00
S-5035	William S. Olson	1/1/86-12/31/2005	Lot 72, Kokee Camp Site, Waimea	1-4-04:68	.560	C—Res.	2,600.00
S-5036	Douglas M. Wedemeyer	1/1/86-12/31/2005	Lot 75, Kokee Camp Site, Waimea	1-4-04:69	.560	C—Res.	2,750.00
S-5037	Back to Eden, Incorporated	1/1/86-12/31/2005	Lot 79, Kokee Camp Site, Waimea	1-4-04:63	.540	C—Res.	2,500.00
S-5038	Richard Vidinha & Elisa C. Vidinha	1/1/86-12/31/2005	Lot 81, Kokee Camp Site, Waimea	1-4-04:60	.550	C—Res.	2,000.00
S-5039	Michael K. Nakaahiki Jr. & Katherine H. Nakaahiki; Bruce A. Morehead & Angela M. Morehead; Donald K. Smythe & Rosemary K. Smythe	1/1/86-12/31/2005	Lot 84, Kokee Camp Site, Waimea	1-4-04:55	.670	C—Res.	2,800.00
S-5040	Salvatore Bosco	1/1/86-12/31/2005	Lot 85, Kokee Camp Site, Waimea	1-4-04:58	.790	C—Res.	3,050.00
S-5041	Gerald M. Sanchez	1/1/86-12/31/2005	Lot 86, Kokee Camp Site, Waimea	1-4-04:59	.580	C—Res.	3,500.00
S-5042	Sam H. Tao & Dorothy M. Tao & Grace Tao	1/1/86-12/31/2005	Lot 87, Kokee Camp Site, Waimea	1-4-04:52	.590	C—Res.	2,725.00
S-5043	Mabel Makanani	1/1/86-12/31/2005	Lot 88, Kokee Camp Site, Waimea	1-4-04:53	.540	C—Res.	2,325.00
S-5044	Kauai Mountain House, Incorporated	1/1/86-12/31/2006	Lot 89, Kokee Camp Site, Waimea	1-4-04:54	.470	C—Res.	2,600.00
S-5045	Camp Kokee Corp.	1/1/86-12/31/2005	Lot 90, Kokee Camp Site, Waimea	1-4-04:47	.440	C—Res.	3,000.00
S-5046	James F. Hackett	1/1/86-12/31/2005	Lot 91, Kokee Camp Site, Waimea	1-4-04:48	.580	C—Res.	3,001.00
S-5047	Gregory D. Bridges & Diane Bridges	1/1/86-12/31/2005	Lot 92, Kokee Camp Site, Waimea	1-4-04:49	.530	C—Res.	2,625.00
S-5048	Malcolm S. Smith	4/1/86-3/31/2006	Lot 93, Kokee Camp Site, Waimea	1-4-04:50	.420	C—Res.	2,550.00
S-5049	William M. Moragne, Jr. & Jena b. Moragne	1/1/86-12/31/2005	Lot 1, Puu Ka Pele, Waimea	1-4-02:31	.970	C—Res.	1,925.00
S-5050	The Lihue Plantation Co., Ltd.	1/1/86-12/31/2005	Lot 2, Puu Ka Pele, Waimea	1-4-02:48	.960	C—Res.	2,600.00
S-5051	Ned T. Dana & Hollis H. Dana	1/1/86-12/31/2005	Lot 3, Puu Ka Pele, Waimea	1-4-02:18	.970	C—Res.	2,100.00

General Leases

Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-5052	Henry Isao Nosaka & Margaret Keiko Nosaka; Wallice Kazuo Karimoto & Mikie Nosaka Karimoto	1/1/86-12/31/2005	Lot 4, Puu Ka Pele, Waimea	1-4-02:30	.730	C—Res.	4,400.00
S-5053	Carlo Panfiglio & Steve Panfiglio & Paul Panfiglio	1/1/86-12/31/2005	Lot 5, Puu Ka Pele, Waimea	1-4-02:31	1.130	C—Res.	2,450.00
S-5054	Henry A. Alexander & Norene J. Alexander & Elizabeth G. Alexander	1/1/86-12/31/2005	Lot 6, Puu Ka Pele, Waimea	1-4-02:28	.920	C—Res.	2,025.00
S-5055	David W. Pratt; Joan C. Pratt; C. D. Pratt, Jr.; Barbara P. Vaughan & Alice B. Wolff	1/1/86-12/31/2005	Lot 7, Puu Ka Pele, Waimea	1-4-02:29	1.020	C—Res.	1,900.00
S-5056	John J. McEvoy & Sandra L. McEvoy	1/1/86-12/31/2005	Lot 10, Puu Ka Pele, Waimea	1-4-02:41	.990	C—Res.	3,825.00
S-5057	Paul S. Hurley & Maile F. Hurley, Wallace Isani Terui, Jr.	1/1/86-12/31/2005	Lot 11, Puu Ka Pele, Waimea	1-4-02:12	.840	C—Res.	3,100.00
S-5058	Frank W. N. Cox & Aileen S. Cox; Lenore L. Seto; Kaniau K. Torris; H. Hoover Cox	1/1/86-12/31/2005	Lot 12, Puu Ka Pele, Waimea	1-4-02:47	.950	C—Res.	2,125.00
S-5059	Ka Imi Naauao O Hawaii Nei	1/1/86-12/31/2005	Lot 13, Puu Ka Pele, Waimea	1-4-02:20	1.000	C—Res.	3,150.00
S-5060	Jeffrey M. Nakamura & Joyce A. Nakamura	1/1/86-12/31/2005	Lot 15, Puu Ka Pele, Waimea	1-4-02:23	1.020	C—Res.	3,325.00
S-5061	Kathryn Fleet	1/1/86-12/31/2005	Lot 16, Puu Ka Pele, Waimea	1-4-02:21	.900	C—Res.	2,675.00
S-5062	Martin O. Wilson & Palakata Corporation	1/1/86-12/31/2005	Lot 18, Puu Ka Pele, Waimea	1-4-02:25	1.050	C—Res.	2,825.00
S-5063	Robert Miller Harris Kenneth Richard Wood & Sheryl Ann Wood	1/1/86-12/31/2005	Lot 19, Puu Ka Pele, Waimea	1-4-02:26	1.030	C—Res.	2,650.00
S-5064	John J. Tenuto & Gayla C. McCarthy	1/1/86-12/21/2005	Lot 20, Puu Ka Pele, Waimea	1-4-02:27	.820	C—Res.	2,920.00
S-5065	Richard R. Singleton & Judith Samford	1/1/86-12/31/2005	Lot 23, Puu Ka Pele, Waimea	1-4-02:46	.790	C—Res.	2,950.00
S-5066	Charles E. Thompson & Sue Ellen Thompson	1/1/86-12/31/2005	Lot 24, Puu Ka Pele, Waimea	1-4-02:13	.990	C—Res.	3,300.00
S-5067	Wayne M. Sakai & Edith N. Sakai; Dennis M. Sakai & Carol Y. Sakai; Roy M. Nitta & Aileen S. Nitta	1/1/86-12/31/2005	Lot 25, Puu Ka Pele, Waimea	1-4-02:14	.890	C—Res.	3,210.00
S-5068	Judith L. Matthews	1/1/86-12/31/2005	Lot 29, Puu Ka Pele, Waimea	1-4-02:10	1.000	C—Res.	4,275.00
S-5069	Nancy P. Seal	1/1/86-12/31/2005	Lot 30, Puu Ka Pele, Waimea	1-4-02:22	.910	C—Res.	3,375.00
S-5070	Norman S. Nitta & Priscilla M. Nitta; Donald J. Nitta & Janice F. Nitta; Hisako U. Nitta	1/1/86-12/31/2005	Lot 33, Puu Ka Pele, Waimea	1-4-02:08	.850	C—Res.	2,820.00



General Leases

Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-5071	Alfred L. Steelman & Suzy Steelman	4/1/86-3/31/2006	Lot 35, Puu Ka Pele, Waimea	1-4-02:15	1.030	C—Res.	3,250.00
S-5072	Richard C. Sutton & Ann Colgate Sutton	1/1/86-12/31/2005	Lot 37, Puu Ka Pele, Waimea	1-4-02:44	.880	C—Res.	2,720.00
S-5073	Charles J. Haffner & Janet Haffner; Damascio Ruiz, Jr. & Thelma L. Ruiz	1/1/86-12/31/2005	Lot 38, Puu Ka Pele, Waimea	1-4-02:43	1.030	C—Res.	2,500.00
S-5074	Robert L. Stevens; J. S. Robertson III; James Tucker; & Henrietta P. Kaohelaulii	1/1/86-12/31/2005	Lot 43, Puu Ka Pele, Waimea	1-4-02:39	1.000	C—Res.	2,210.00
S-5075	James C. Richardson Margaret J. Watt; Jan W. TenBruggencate	1/1/86-12/31/2005	Lot 44, Puu Ka Pele, Waimea	1-4-02:40	1.000	C—Res.	2,525.00
S-5076	Helen S. Vierra & Thomas W. Vierra	1/1/86-12/31/2005	Lot 46, Puu Ka Pele, Waimea	1-4-02:36	1.120	C—Res.	2,510.00
S-5077	James Hoyle	1/1/86-12/31/2005	Lot 47, Puu Ka Pele, Waimea	1-4-02:34	1.150	C—Res.	3,100.00
S-5078	George A. K. Kruse & Martha S. Kruse	1/1/86-12/31/2005	Lot 48, Puu Ka Pele, Waimea	1-4-02:41	1.000	C—Res.	1,625.00
S-5079	Mary Lou Noenoelani Lewis, dba Zuttermister's Hula Studio	1/1/86-12/31/2005	Lot 50, Puu Ka Pele, Waimea	1-4-02:35	1.010	C—Res.	3,000.00
S-5080	Kiyoshi Nakaya & Julia Nakaya	1/1/86-12/31/2005	Lot 51, Puu Ka Pele, Waimea	1-4-02:51	1.050	C—Res.	2,525.00
S-5081	Paulette Burtner	1/1/86-12/31/2005	Lot 52, Puu Ka Pele, Waimea	1-4-02:52	1.030	C—Res.	3,725.00
S-5082	Raymond P. Rapozo, Sr. & Maureen Y. Rapozo; Robert H. Agena & Yolanda T. Agena; Lawrence K. Agena & Audrey K. Agena	4/1/86-3/31/2006	Lot 53, Puu Ka Pele, Waimea	1-4-02:53	1.030	C—Res.	2,700.00
S-5083	Ann Howard Downs	1/1/86-12/31/2005	Lot 54, Puu Ka Pele, Waimea	1-4-02:54	1.050	C—Res.	3,350.00
S-5084	Ralph S. Kouchi; Alvin M. Kouchi; Neil Shiraki; Harold Kojima; Garret Sokei; & Eric Sakazaki	4/1/86-3/31/2006	Lot 59, Puu Ka Pele, Waimea	1-4-02:59	1.010	C—Res.	2,450.00
S-5085	Susan Reeves	4/1/86-3/31/2006	Lot 60, Puu Ka Pele, Waimea	1-4-02:60	1.010	C—Res.	3,100.00
S-5086	Richard A. Kawakami & Bertha B. L. Kawakami; Akira & Gertrude S. Toma	1/1/86-12/31/2005	Lot 61, Puu Ka Pele, Waimea	1-4-02:61	.950	C—Res.	2,500.00
S-5087	Anna L. Knapp	1/1/86-12/31/2005	Lot 62, Puu Ka Pele, Waimea	1-4-02:62	1.050	C—Res.	780.00
S-5088	Paul T. Matsunaga & Arline Y. Matsunaga	1/1/86-12/31/2005	Lot 63, Puu Ka Pele, Waimea	1-4-02:63	.900	C—Res.	2,550.00
S-5089	Wallace K. Tasaka & Yuriko N. Tasaka & Richard H. Nagoshi	1/1/86-12/31/2005	Lot 69, Puu Ka Pele, Waimea	1-4-02:66	.870	C—Res.	580.00

## General Leases

## Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-5090	Dennis E. Fukushima & Jerilyn R. Fukushima; Warren H. Onishi; & Glenn Katahara	4/1/86-3/31/2006	Lot 70, Puu Ka Pele, Waimea	1-4-02:67	.790	C—Res.	2,700.00
S-5091	Robert Taylor Sweney	1/1/86-12/31/2005	Lot 71, Puu Ka Pele, Waimea	1-4-02:68	1.120	C—Res.	3,000.00
S-5092	Calvin M. Tokita & Phyllis Y. Y. Tokita	1/1/86-12/31/2005	Lot 72, Puu Ka Pele, Waimea	1-4-02:69	1.080	C—Res.	2,625.00
S-5093	John Enos, Jr. & Aileen P. T. S. Enos	1/1/86-3/31/2006	Lot 74, Puu Ka Pele, Waimea	1-4-02:71	.900	C—Res.	3,500.00
S-5094	Albert C. Braun, Jr. & Adele A. Braun	1/1/86-12/31/2005	Lot 76, Puu Ka Pele, Waimea	1-4-02:73	.960	C—Res.	2,650.00
S-5095	Isaac W. Kaiu & Gladys Y. Kaiu; Philip S. H. Ing & Myrna L. Ing	1/1/86-12/31/2005	Lot 78, Puu Ka Pele, Waimea	1-4-02:75	.980	C—Res.	3,200.00
S-5096	Jennie L. Lyum & Leslie M. H. Lyum	1/1/86-12/31/2005	Lot 79, Puu Ka Pele, Waimea	1-4-02:76	1.150	C—Res.	2,225.00
S-5097	Anthony P. Locricchio & Barbara M. Locricchio; Gerry P. Germa & Carol D. U. K. Germa; David E. Howell & Sandra L. Howell; John P. Waters & Kathleen Bettyas; & Micheal A. Blank	4/1/86-3/31/2006	Lot 82, Puu Ka Pele, Waimea	1-4-02:79	1.110	C—Res.	3,300.00
S-5098	Leonard K. Pope & Paula E. Pope; Sherwood C. Conant II & Lili Bryan-Conant; & Salvatore F. DeLeonardo	1/1/86-12/31/2005	Lot 83, Puu Ka Pele, Waimea	1-4-02:81	1.000	C—Res.	2,500.00
S-5099	Robert J. Orlik & Ferne V. Orlik; Thomas D. King, Jr.; & Kelsey Maddox-Bell	1/1/86-12/31/2005	Lot 84, Puu Ka Pele, Waimea	1-4-02:86	.820	C—Res.	2,500.00
S-5100	Leonard J. Vierra & Lillian L. Sakaguchi	1/1/86-12/31/2005	Lot 89, Puu Ka Pele, Waimea	1-4-02:85	.990	C—Res.	1,650.00
S-5101	Hawaii Conference of the United Church of Christ	1/1/86-12/31/2005	Lot 56, Kokee Camp Site, Waimea	1-4-02:27	.500	C—Res.	132.00
S-5102	Hawaii Methodist Union	1/1/86-12/31/2005	Lot 14, 90 & 91, Puu Ka Pele, Waimea	1-4-02:24	3.050	C—Res.	132.00
S-5103	Hawaiian Association of Seventh-Day Adventists	1/1/86-12/31/2005	Lot 55, 56, 57 & 58, Puu Ka Pele, Waimea	1-4-02:44, 56, 57 & 58	4.080	C—Res.	132.00
S-5110	Lehua Fernandes Salling & William Kimo Fernandes	4/13/84-12/17/2001	Wailua, Kawaihau (Puna)	3-9-04: por. 2	1.429	C—Unclass. (Easement)	200.00
S-5113	Iwao Nonaka	3/29/86-3/28/2001	Lot 24, Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-01:14	6.100	A—Int. Ag.	1,475.00
S-5114	Samuel K. Thronas	2/27/86-2/26/2001	Lots 23-A & 23-B Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-2-03:03	14.405	A—Pasture	400.00

General Leases

Island of Kauai

Fiscal Year 1986-87

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-5115	Mervin L. Rapozo	2/27/86-2/26/2001	Lots 16, 17 & 18 Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-01:01, 03 & 04	12.300	A—Int. Ag.	850.00
S-5116	Jules Kanarek	2/27/86-2/26/2001	Parcels A & B Portions of Gov't (Crown) Land of Kapaa, Kawaihau (Puna)	4-6-09:46	6.500	A—Pasture	75.00
S-5117	George B. Fernandes	2/27/86-2/26/2001	Portion of Gov't (Crown) Land of Wailua, Kawaihau (Puna)	4-1-09:08	11.746	A—Pasture	200.00
S-5118	Masao Takatsuki	2/27/86-2/26/2001	Lots 12, 13 & 14, Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-01:12	6.130	A—Int. Ag.	420.00
S-5119	Samuel K. Thronas	2/27/86-2/26/2001	Lot 15 Adjoining Gov't Land, Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-01:07	16.710	A—Int. Ag.	800.00
S-5120	Manuel Andrade, Jr. & Manuel H. Andrade, Sr.	3/29/86-3/28/2001	Lot 7-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-12:05	3.080	A—Int. Ag.	1,000.00
S-5121	Joseph H. Chu & Helen B. H. Chu	3/29/86-3/28/2001	Lot 19, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-02:19	1.140	A—Int. Ag.	500.00
S-5122	William E. Fernandes	2/27/86-2/26/2001	Lots 26, 27, 29, 30 & 37, and Portion of Hoopau Swamp of Hanalei Hmstds., Hanalei (Halelea)	5-4-03:33 & 42	7.300	A—Pasture	90.00
S-5126	Hui O Laka	1/1/86-12/31/2005	Lot 9, Puu Ka Pele Park Lots	1-4-02:45	.720	C—Res.	264.00
S-5153	Saiva Siddhanta Church	3/15/86-3/14/2011	Wailua, Kawaihau (Puna)	4-2-02:114	2.960	C—Unclass.	276.00