

**REPORT  
TO THE  
GOVERNOR  
1983-84**



**STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES**

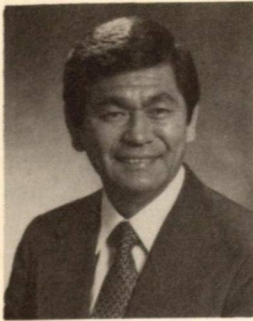
# BOARD OF LAND AND NATURAL RESOURCES

The department of land and natural resources shall be headed by an executive board to be known as the board of land and natural resources. The department shall manage, administer, and exercise control over public lands, the water resources, and minerals and all other interests therein and exercise such powers of disposition thereof as may be authorized by law. The department shall also manage and administer the state parks, historical sites, forests, forest reserves, fisheries, wildlife sanctuaries, game management areas, public hunting areas, natural area reserves, and other functions assigned to it by law.

—*Hawaii Revised Statutes*  
Section 171-3



Back row:	Roland H. Higashi (Hawaii)	Leonard H. Zalopany (Kauai)	Moses W. Kealoha (At Large)
Front row:	Thomas S. Yagi (Maui)	Susumu Ono, Chairman (At Large)	J. Douglas Ing (Oahu)



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
P. O. BOX 621  
HONOLULU, HAWAII 96809

SUSUMU ONO, CHAIRMAN  
BOARD OF LAND & NATURAL RESOURCES

EDGAR A. HAMASU  
DEPUTY TO THE CHAIRMAN

DIVISIONS:  
AQUACULTURE DEVELOPMENT  
PROGRAM  
AQUATIC RESOURCES  
CONSERVATION AND  
RESOURCES ENFORCEMENT  
CONVEYANCES  
FORESTRY AND WILDLIFE  
LAND MANAGEMENT  
STATE PARKS  
WATER AND LAND DEVELOPMENT

Honorable George R. Ariyoshi  
Governor of Hawaii  
State Capitol  
Honolulu, Hawaii

Dear Governor Ariyoshi:

We are submitting to you our Annual Report for the fiscal year 1983-84. We thank you for your leadership and direction. We also wish to express our appreciation to the Legislature for its support of our programs.

With the adoption of the State Functional Plans by the Legislature, the department's four functional plans, -- namely, Conservation Lands, Recreation, Historic Preservation, and Water Resources Development, are being used as guidelines in carrying out the activities of the department.

Staff support was provided to the Governor's Ad Hoc Aquaculture Industry Development Committee which conducted a 5-year, comprehensive review of Hawaii's aquaculture industry. Report of Governor's Aquaculture Industry was published in April 1984, containing 57 recommendations to strengthen the industry.

The department undertook the drilling of exploratory wells in Mililani, Oahu, to develop new ground water sources to serve Central Oahu. Areas having geothermal potential were assessed and geothermal subzone proposals were prepared for review at public hearings in accordance with Act 296, S.L.H., as amended. A permit system was set up under an administrative rule to implement the 1982 Instream Use Protection Act affecting Windward Oahu.

Under the State parks program, a recreation pavilion having a 600-person capacity was completed at the Old Kona Airport State Recreation Area. There were numerous other projects for improving our park system, as well as in the preservation of significant historic sites.

The department produced nearly 250,000 seedlings at Kamuela tree nursery, an increase of 68% over last year. Also, roughly 8.4 million juvenile prawns were produced at the State's Anuenue hatchery and distributed to 30 growers under existing agreements.

The total revenue collected this year by the department amounted to \$15,018,157, of which \$10,192,588 was generated by the public lands program and \$3,217,040 was obtained by the Bureau of Conveyances for conveyance tax and recordation fees.

The term of Mr. Takeo Yamamoto, Kauai member of the Board, expired during the year. We owe Mr. Yamamoto our heartfelt mahalo for a job well done. Mr. Leonard H. Zalopany, Sr. succeeded Mr. Yamamoto.

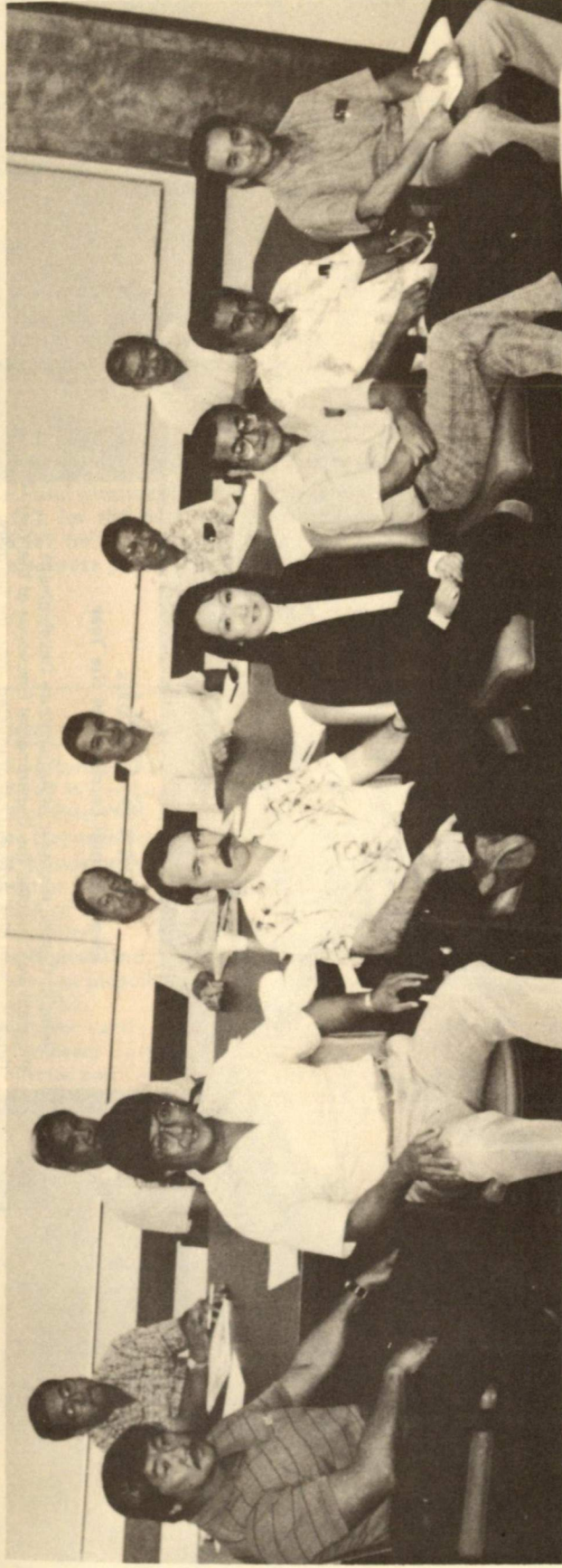
Respectfully submitted,

SUSUMU ONO  
Chairperson and Member  
Board of Land and Natural Resources

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# DEPARTMENT OF LAND AND NATURAL RESOURCES



Front row: Maurice Matsuzaki, Melvin Young, John Corbin, Anne Furuuchi, Takeo Fujii for Robert Chuck, Charles Neumann, Henry Sakuda.  
Back row: Ralston Nagata, Gordon Soh, James Detor, Libert Landgraf, Edgar Hamasu, Deputy, Susumu Ono, Chairman.

Susumu Ono.....Chairman  
Edgar A. Hamasu..... Deputy to the Chairman  
Melvin Young.....Personnel Officer  
Anne Furuuchi.....Fiscal Officer  
Gordon B.H. Soh..... Planning Coordinator  
John S. Corbin ..... Manager, Aquaculture Development Program  
Robert Lee..... Executive Secretary,  
Natural Area Reserves System Commission  
Roger C. Evans..... Planner, Conservation District  
Charles F. Neumann.....Registrar, Bureau of Conveyances

Libert K. Landgraf..... Administrator,  
Division of Forestry and Wildlife  
Henry M. Sakuda..... Administrator,  
Division of Aquatic Resources  
Robert T. Chuck ..... Manager-Chief Engineer  
Division of Water and Land Development  
Ralston Nagata ..... Acting Administrator, Division of State Parks,  
Outdoor Recreation and Historic Sites  
James J. Detor..... Administrator, Division of Land Management  
Maurice M. Matsuzaki .....Chief, Division of Conservation  
and Resource Enforcement



### **John S. Corbin**

Departmental Employee of the Year

John S. Corbin, manager of Aquaculture Development Program was selected the Departmental Employee of the Year. Governor and Mrs. Ariyoshi congratulated John for his many accomplishments.

# OFFICE OF THE CHAIRMAN

## 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, and federal agencies. This office also coordinates the preparation of the Departmental operating and CIP budget. Finally, it provides internal audit functions by reviewing lessees' accounting records to ensure compliance with rental terms specified in the lease agreements.

### General Fund Revenues

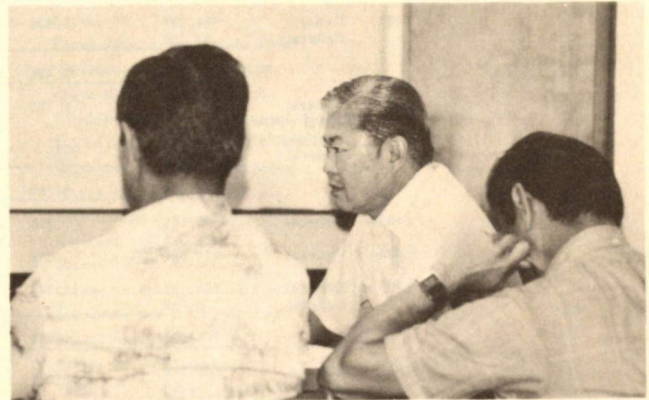
The Department collected and transferred to the State General Fund revenues from various sources amounting to \$9,471,171 for the fiscal year ended June 30, 1983 and \$15,018,157 for the fiscal year ended June 30, 1984. Major revenue sources generated by the Department are shown below:

Sources of Revenues	Amount 1983	Amount 1984
Lease and Rental of State Land and Water Licenses	\$5,250,848	\$ 6,376,976
Refund of Prior Year Court Deposits for Land Acquisition		3,790,398
Conveyance Tax	1,496,846	1,807,607
Recording of Legal Instruments	1,191,282	1,409,433
Various Rentals and Concession Income in State Parks	649,975	746,011
Sale of Public Lands	210,811	394,167
Federal Indirect Cost Recoveries and Grants	202,634	145,725
Hunting and Fishing Licenses	140,855	148,842
Refunds and Reimbursements of Prior Year Expenditures and Vacation Credits from Other Agencies	113,472	60,903
Restoration of Fish and Wildlife	68,258	7,346
Fines—State Conservation District Use Violations	38,360	48,177
Sales of Forestry Products	34,524	12,354
Indemnity for Damages	20,740	4,881
Various Fees Relating to Public Land	17,322	22,585
Commercial Film Land Rentals	16,276	35,228
Fees—Conservation District Use Application and Public Hearing	5,800	5,800
Sale of Equipment and Property	5,635	975
Sale of Confiscated Evidence	5,183	
Others	2,350	749
<b>TOTAL</b>	<b>\$9,471,171</b>	<b>\$15,018,157</b>

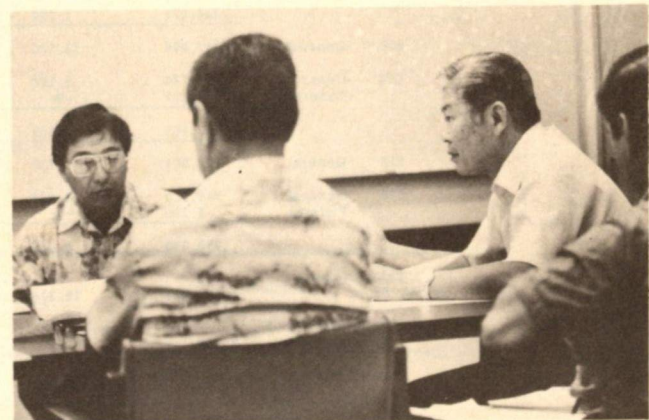
### Native Hawaiian Rehabilitation Fund

As provided by the State Constitution, 30 percent of the State receipts derived from the leasing of cultivated sugarcane land and from water licenses were transferred to the Native Hawaiian Rehabilitation Fund. The amount transferred to the fund during the fiscal year 1983-84 was \$907,519. The total amount transferred to the fund since the 1978 constitutional amendment was \$4,468,712 as of June 30, 1984.

### Bi-weekly staff meeting.



Chairman Susumu Ono with staff officers at the bi-weekly departmental staff meeting.



Chairman Susumu Ono and Deputy Edgar Hamasu at the bi-weekly departmental staff meeting.

### Office of Hawaiian Affairs

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 1983-84 fiscal year was \$1,493,209. This includes \$1,475,119 from State land revenues and \$18,090 from State park concessions. The total transferred to OHA since the approval of Act 273, Session Laws of Hawaii 1980, amounted to \$5,544,187.

**OPERATING FUNDS**  
**STATUS OF APPROPRIATION ACCOUNT BALANCES**

Fiscal Year 1983-84

Program I.D. LNR	Fund	Appropriation Beginning Balance	Transfers <sup>1/</sup>	Departmental Restriction	Net Appropriation	Expenditures, Claims and Contract Encumbrances	Lapses
101	General	\$ 795,617	\$34,146	\$ -0-	\$ 829,763	\$ 829,156	\$ 607
111	General	874,994	6,138	28,200	852,932	852,149	783
141	General	528,889	2,718	68,000	463,607	461,154	2,453
	Special	615,429	-0-	-0-	615,429	615,429	-0-
		1,144,318	2,718	68,000	1,079,036	1,076,583	2,453
153	General	1,544,478	2,849	153,410	1,393,917	1,390,250	3,667
	Federal	170,519	-0-	-0-	170,519	170,519	-0-
		1,714,997	2,849	153,410	1,564,436	1,560,769	3,667
172	General	860,381	(24,321)	143,813	692,247	689,526	2,721
	Federal	101,799	-0-	-0-	101,799	101,799	-0-
		962,180	(24,321)	143,813	794,046	791,325	2,721
401	General	351,639	2,436	52,995	301,080	300,061	1,019
	Federal	64,736	-0-	-0-	64,736	64,736	-0-
		416,375	2,436	52,995	365,816	364,797	1,019
402	General	1,235,125	6,780	103,316	1,138,589	1,135,570	3,019
	General - Fire Contingency	200,000	-0-	-0-	200,000	185,129	14,871
	Federal	311,478	-0-	-0-	311,478	311,478	-0-
		1,746,603	6,780	103,316	1,650,067	1,632,177	17,890
403	General	48,535	315	-0-	48,850	48,801	49
404	General	876,889	2,883	38,000	841,772	840,989	783
405	General	1,678,738	16,980	77,000	1,618,718	1,615,495	3,223
	Federal	29,069	-0-	-0-	29,069	29,069	-0-
		1,707,807	16,980	77,000	1,647,787	1,644,564	3,223
801	General	830,178	2,545	45,392	787,331	786,805	526
804	General	635,854	4,293	48,298	591,849	577,886	13,963
	Federal	260,010	-0-	-0-	260,010	260,010	-0-
		895,864	4,293	48,298	851,859	837,896	13,963
805	General	125,440	1,164	8,400	118,204	116,805	1,399
	Federal	209,136	-0-	-0-	209,136	209,136	-0-
		334,576	1,164	8,400	327,340	325,941	1,399
806	General	2,347,045	11,175	58,608	2,299,612	2,295,161	4,451
809	General	457,724	3,108	50,000	410,832	409,026	1,806
	Federal	1,102,437	-0-	-0-	1,102,437	1,102,437	-0-
		1,560,161	3,108	50,000	1,513,269	1,511,463	1,806
810	General	121,591	738	-0-	122,329	122,234	95
906	General	949,310	4,425	-0-	953,735	952,563	1,172
	Federal	4,330	-0-	-0-	4,330	4,330	-0-
		953,640	4,425	-0-	958,065	956,893	1,172
Total General Fund		14,462,427	78,372	875,432	13,665,367	13,608,760	56,607
Total Federal and Special Funds		2,868,943	-0-	-0-	2,868,943	2,868,943	-0-
*GRAND TOTAL		\$17,331,370	\$78,372	\$875,432	\$16,534,310	\$16,477,703	\$56,607

<sup>1/</sup> Includes \$28,500 transferred from LNR 172 to LNR 101 and Collective Bargaining Appropriations totalling \$78,372.

## PLANNING OFFICE

The Planning Office is responsible for coordinating the review of all applications for land uses in the Conservation District. The district covers roughly 50 percent of the State's land area and all submerged lands within the State's territory. This Office also coordinates the evaluation of environmental impact on the use of Conservation District and State lands.

### Applications to Use Conservation Districts

The Planning Office processed 89 applications for use of Conservation lands. This included a contested case hearing in the matter of the proposed H-3 route through the Conservation District. Public hearings were held on 42 applica-

tions. Three temporary variances and 24 amendments to previous applications were also processed.

### Commercial Filming

The Office processed 302 applications for filming of Conservation lands and State lands.

### Project Coordination and Environmental Reviews

The Office coordinated the review of 63 projects funded by the federal government to determine the effect on natural and environmental resources of the State.

In addition, the Planning Office coordinated the review of 56 environmental impact statements and assessments. Furthermore, it reviewed 31 other public projects, plans, and local zoning requests.

## Coastal Zone Management

The Department reviewed three projects to determine whether they were consistent with coastal zone policies.

## Conservation Lands Functional Plan

The Functional Plan on Conservation Lands was presented to and adopted by the Twelfth State Legislature as a guide to implement the goals and objectives of the Hawaii State Plan.

## PERSONNEL OFFICE

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.

### SUMMARY OF PERSONNEL TRANSACTIONS

Fiscal Year 1983-1984

Accessions . . . . .	260
New Hires - Permanent	9
- Inter-Agency Transfer	2
New Hires - Limited Term Appointment	0
- TAOL	0
- Emergency	84
- Provisional	0
- Exempt	165
Separations . . . . .	298
Resignation & Transfer (Permanent Employees)	11
Resignation & Transfer (Temporary Employees)	267

Retirement	23
Termination (Death)	0
Other Personnel Actions . . . . .	2234
Promotion	11
Voluntary Demotion	5
Demotion (Disciplinary)	0
Demotion (Physical Disability)	1
Conv. to Permanent Appt.	34
Conv. to TAOL	1
Conv. to LTA	2
Reallocation	17
Repricing	1
Change in Title	1
Limited Term Promotion	0
Return to Fmr or Similar Position	0
Intra-Agency Transfer	4
Intra-Agency Appointment	2
Temporary Assignment	360
Extension - LTA	10
Extension - Exempt Appointment	61
Extension - Probational Appointment	0
Extension - Emergency Appointment	76
Extension - TAOL	5
Leave-Without-Pay (Child Care)	2
Other Personnel Actions (cont.)	
Leave-Without-Pay (Others)	52
Leave-Without-Pay (Industrial Injury)	11
Authorized Leave-Without-Compensation	9
Extension - Leave-Without-Pay	1
Return to Duty	73
Name Change	7
Unauthorized Absence	6
Suspension	1
Change in Social Security Number	0
Change in New Salary Schedule	387
Pay Adjustment	134
Hazard Pay Differential	440
Expiration - Hazard Pay Differential	440
Correction	68
Cancellation	4
Change in FTE Percentage	8

NOTE: Additional categories of personnel action reported this year.

FILLED POSITIONS <sup>1/</sup>  
JUNE 30, 1984

Division	Hawaii	Oahu	Kauai	Maui	Molokai/ Lanai	TOTAL
Administration & Staff		40				40
Conveyances		40				40
Fish & Game <sup>2/</sup>	1	26	1	1	1	30
Conservation & Resources Enforcement	12	19	10	9	5	55
Forestry <sup>3/</sup>	32	29	17	15	3	96
Land Management	4	24	3	3		34
State Parks	35	82	16	10	1	144
Water & Land Development	5	42	1		3	51
TOTAL	89	302	48	38	13	490

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

<sup>2/</sup> Undergoing reorganization. Excludes Wildlife Branch.

<sup>3/</sup> Undergoing reorganization. Includes Wildlife Branch.

## NATURAL AREA RESERVES SYSTEM

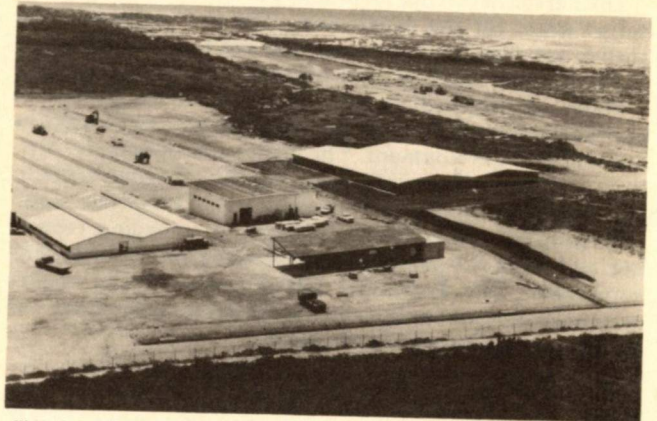
**Number and Area of Reserves.** The Natural Area Reserves System is presently made up of 13 reserves that encompass a total of 81,112 acres. The reserves protect a wide variety of native ecosystems that range from marine and coastal environments to high elevation cloud forests and bogs. Some of the ecosystems are rare, including those that are now no more than remnants of once common ecosystems. Others are representative samples of still extensive wet forests. Three other areas totaling 24,384 acres will soon be added to the reserves system. They await preparation of Executive Orders, the last step in the establishment process. Management of the reserves system is being guided by a management plan adopted in early 1984.

**Use of Reserves.** Everything within a Natural Area Reserve—floral, faunal, geological, or artifact—is protected. The one exception is the hunting of game mammals and birds, which is permitted when performed in accordance with hunting rules of the Division of Forestry and Wildlife. Use of a reserve is restricted to non-destructive passive activities, such as walking, photography, and nature study. Greater use, which is somewhat limited to educational, scientific, and management projects, requires a special-use permit that must be approved by both the Board of Land and Natural Resources and the Natural Area Reserves System Commission. Chapter 209 of Title 13, *Administrative Rules*, regulates the use of the reserves.

Natural Area Reserve	Acres	Primary Feature
<b>Hawaii</b>		
Kipahoe	5,583	Mesic forest, 'ohi'a and koa wet forests.
Laupahoehoe	7,894	'Oh'i'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	'Oh'i'a and koa wet forests.
Waiakea 1942 Lava Flow	640	Developing wet forest.
Wao Kele 'O Puna	16,844	'Oh'i'a wet forest.
<b>Maui</b>		
Ahihi-Kinau	1,238 (land) 807 (water)	Anchialine pools, last lava flow on Maui, marine ecosystem.
<b>Oahu</b>		
Kaena Point	12,464	Coastal dune ecosystem
Mt. Kaala	1,100	Mesic and cloud forests, montane bog.
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) is responsible for encouraging and assisting the growth of an aquaculture industry in Hawaii. Hawaii has been in the forefront of national aquaculture planning efforts since the publication of the State Aquaculture Plan in 1978. Importantly, during fiscal year 1983-1984, ADP initiated an update of this plan. The recommendations of the 1985 Plan are expected to provide a significant stimulus for the expansion of the industry into the next decade.



"High tech" aquaculture in Kahuku: on January 20th, Marine Culture Enterprises broke ground on a \$10 million farm that expects to raise 500,000 pounds of shrimp a year. The initial increment, on a 15-acre Campbell Estate site, will employ 50 people. The first harvest is scheduled for early 1985.



At the groundbreaking ceremony: (from left) Governor Ariyoshi, William Wood-Prince (President of F.H. Prince Company), the Reverend William Kaina, and Peter Grace (President of W.R. Grace & Company).

## Program Activities

In 1983-1984, Aquaculture Development Program activities continued to focus on three areas: 1) planning, coordination and communication; 2) support services, including information collection and dissemination, species and site counseling, employment counseling, business planning assistance, seafood marketing and economics, permit assistance, and disease diagnosis and prevention; and 3) research and development to increase the profitability of existing aquafarms and develop new species and systems.

### Planning, Coordination and Communication

During the year, ADP began extensive data acquisition and analyses for the preparation of the updated State Aquaculture Plan. As part of this activity, survey letters covering a wide range of subjects were mailed to industry members in Hawaii and overseas. ADP also provided input into various national, international, State and County plans and studies. These included final drafts of the Maui and Kauai County aquaculture plans; the National Aquaculture Plan; *Aquaculture: A Development for Canada*; the State Department of Planning and Economic Development's Ocean Management Plan; State Department of Agriculture studies of agricultural parks and the transportation of diversified agricultural crops; and the Pacific Basin Development Council study of the economics of tuna baitfish production. Also staff co-managed the implementation of a United States Department of Agriculture-funded, multi-state marketing study by the West Coast Aquaculture Foundation, entitled *An Assessment of the Production and Marketing of Aquaculture Products in the Western Region of the United States*. This report—the most comprehensive aquaculture marketing survey ever undertaken in the United States—was published in March, 1984.

A major activity involved providing staff support to the Governor's Ad Hoc Industry Development Committee. The purpose of this private sector committee, appointed by the Governor, was to advise the Governor on the current status and future potential of commercial aquaculture development in Hawaii. The Committee's *Report of the Governor's Aquaculture Industry Committee*, published in April, 1984, produced 57 recommendations which, it stated, could enable aquaculture to become "the largest sector of diversified agriculture production by 1990." The report also pointed out that Hawaii could "reap substantial gains from aquaculture research, training, education, and consulting activities."

ADP played an active role in the Rangen/Zeigler International Aquaculture Advisory Board, which communicates national aquaculture needs to decision-makers in Washington, D.C. In addition, staff assisted in the planning of the Brigham Young University—Hawaii Campus' "2nd International Conference on Warm Water Aquaculture—Finfish" (to be held in February, 1985) and the Hawaii Tropical Plantation on Maui where there will be a permanent aquaculture display.

### Support Services

In fiscal year 1983-1984, prospective commercial operations received information on sites, financing, permit requirements, species feasibility, and educational, training and employment opportunities. Investors were referred to commercial projects seeking capital.

In order to increase the number of sites available for aquaculture, in August, 1983, ADP held a seminar for the State's major landholders to acquaint them with opportunities for aquaculture on their lands. Entitled "Aquaculture: An Alternative Land Use Opportunity for Hawaii,"

the seminar attracted 73 persons, representing nearly 75 percent of all Hawaii land. Follow-up discussions with participants resulted in several parcels made available for aquaculture.

Staff performed detailed site assessments and assisted commercial developers in satisfying permit requirements for projects on Oahu and the Big Island. In particular, ADP worked closely with firms wishing to begin commercial operations at the Natural Energy Laboratory of Hawaii's (NELH) Sea Coast Test Facility at Keahole Point. Recently, one company announced plans to invest \$10 million for initial construction of an abalone farm on a 21-acre site, and several other firms are negotiating for land. NELH has the unique ability to provide clean nutrient-rich sea water at a wide range of desirable temperatures. Legislative action in 1984 cleared the way for commercial demonstration projects at the facility which could "spin-off" to larger projects around the State.

ADP's Aquaculture Disease Prevention Program provided disease diagnostic services to aquafarmers. The aquaculture veterinarian made 38 trips into the field and evaluated 464 specimens for possible disease. In addition, he lectured on Comparative Pathobiology at the University of Hawaii, and on the prevention of *Macrobrachium* diseases at the University's recent International Prawn Training Program.

In order to improve its resources for the use of the media, ADP added 346 slides and two new aquaculture films (on oyster farming and shrimp processing) to its collection. At the end of the fiscal year, the total number of slides in the ADP library on all aspects of aquaculture numbered close to 4,000.

### Research, Development and Demonstration

In fiscal year 1983-1984, research focused on developing improved production management and processing/handling techniques for Hawaiian prawns and marine shrimp. Projects jointly funded by the University of Hawaii Sea Grant College Program assisted prawn farmers in the areas of pond management, nutrition and feed management, controlled domestication, product-handling, water quality management, and on-farm extension services. Accomplishments of these projects included: demonstrated improvement of harvesting efficiency through improved net design, completion of an audit of prawn farm management practices and subsequent suggestions for improvement, demonstrated improvement in pond water quality management by adding fish and circulating water, reduction in feed and protein requirements by using agriculture by-products, and conceptual design and initial testing of a computerized stock management system for commercial farms.

Marine shrimp research to establish the technical and economic feasibility of shrimp farming in Hawaii continued at the Oceanic Institute. Efforts to identify worldwide sources of disease-free shrimp broodstock continued with the list of "clean" locations continuing to grow. The Oceanic Institute also completed State-sponsored research to develop a low-cost source of *Spirulina* grown in organically-fertilized water. Results proved very promising and work to scale-up the production process is being continued under major Federal funding.

Other projects addressed a wide array of areas, including development of specially-designed fish pens to more effectively utilize Hawaiian fishponds, determination of the dietary requirements for the larvae of mahimahi, demonstration of the intensive culture of long ogo in raceways, and improvement of prawn feed attraction using chemical scents.

# DIVISION OF AQUATIC RESOURCES

Administration of the State's programs in commercial fisheries and aquaculture, aquatic resources preservation and enhancement, and aquatic recreation rests with the Division of Aquatic Resources. Major activities include providing opportunities and facilities for recreational fishing, protecting native and other resident aquatic species and their habitat, providing hatchery stock and technical assistance toward aquaculture development, and conducting fishery development projects consistent with the interests of the State.

## COMMERCIAL FISHERY AND AQUACULTURE PROGRAM

The Division assists commercial fishery and aquaculture enterprises by increasing their productivity through improvements in production methods, product processing, equipment usage and management methods. Commercial fishermen catch reports are also analyzed and stocks of commercially important fish and shellfish species are monitored to determine if regulatory measures are needed to sustain the resources.

### Midway Albacore Tuna Fishery Support Base

In 1982, a study was initiated to determine the feasibility of developing a fishery support base at Midway Islands for transshipping of albacore tuna caught in the North Pacific waters to the cannery in Honolulu and to evaluate the existing fishery infrastructure in the main Hawaiian islands for servicing the albacore trolling fleet.

A final report was completed in April 1984 recommending a phased schedule of development for the albacore fishery with the possibility of other fisheries benefitting from such a fishery base. The study concluded that it is feasible to establish a fishery support base at Midway with support from the cannery in Honolulu.

About 44 trolling boats from the Midway albacore tuna fishing grounds unloaded an estimated 720 tons of fish, worth about \$898,000, at the Honolulu cannery in the summer of 1983. There were about 14 trolling boats from the West Coast that stayed in Hawaii and worked in other fisheries last year.



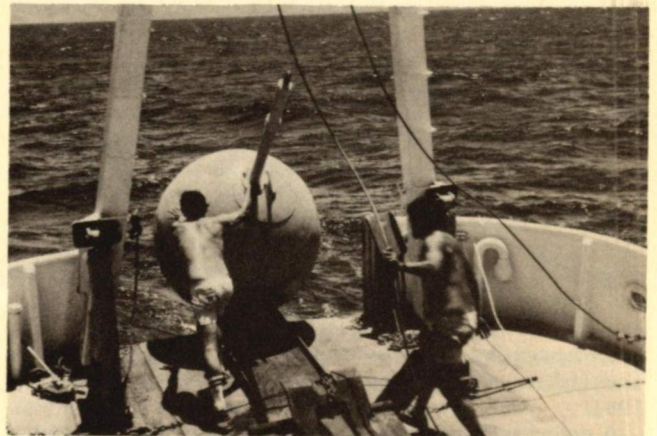
Trolling boats docked at Kewalo Basin before departing for the Midway albacore tuna fishing grounds.

### Statewide Fish Aggregating System

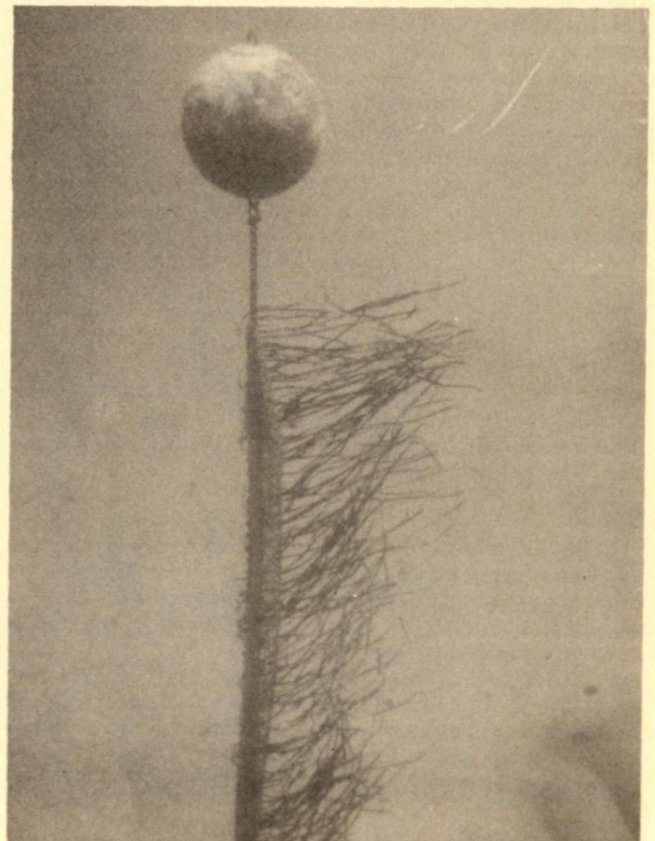
In fiscal year (FY) 1983-84, commercial fishermen reported making at least 4,002 trips and catching 390,882 pounds of fish at the State's 27 Fish Aggregate Devices (FADs). The landings involve ahi or yellowfin tuna (176,468

pounds), aku or skipjack tuna (94,819 pounds), a'u or marlin (61,684 pounds), and mahimahi or dolphinfish (42,899 pounds). These fish comprised 96 percent of the total catch produced by the FADs during the fiscal year. The fishing methods used most frequently around the FADs were: pole-and-line with livebait by aku boats (3% of catch), handlining (34%), rod-and-reel (21%), and trolling (40%).

The loss of FAD's due to breakage of the mooring line continues to be a problem. Strong currents, winter storms, corrosion of metal hardware, and shark bites on the mooring line are causes implicated with the losses. In FY 1983-84, ten FADs were lost and required replacement. To reduce the losses, new designs of FADs and mooring systems are being tested.



Deployment of single-sphered buoys, the newest design in fish aggregating devices.



Experimental subsurface fish aggregating devices were installed at the Waianae Artificial Reef to test the effectiveness of the overall design.

In addition, 31 subsurface FADs were installed experimentally in the Waianae Artificial Reef to test their mooring system and design.

### **French Frigate Shoals Fishing Support Proposal**

State's efforts to develop a multi-resource fishery in the Northwestern Hawaiian Islands (NWHI) include the establishment of a fishing support base at French Frigate Shoals. In May 1984, the Division completed a proposal describing and evaluating the economics and logistics of such a fishing base. A mothership would be anchored offshore from Tern Island within the protected waters of the shoals to provide storage and reprovisioning support for a fleet of approximately 10 catcher vessels. By this means the catcher vessels could use a variety of fishing gears and target for several fish and shellfish species. It was estimated that the fishing period for the vessels could increase to 70 days in a 100-day season. The proposal pointed out that the successful establishment and operation of a French Frigate Shoals fishing base will depend on several major factors, namely: participation by the local fishing industry, expansion of the frozen seafood market in Honolulu, and the cooperation of the U.S. Fish and Wildlife Service which administers Tern Island. The proposed mothership support operation at French Frigate Shoals will be integrated with wildlife conservation and research activities to provide maximum benefit and reduce cost to all users of the NWHI.

### **Ciguatoxin Test Development**

During the year, Ciguatoxin (CTX) tests were performed on fish samples collected from near the Barbers Point deep draft harbor and other selected inshore sites around Oahu. Two fishes, kole and taape were tested routinely to monitor changes in CTX levels. Toxin levels in both fishes decreased from last year in the Barbers Point project area, and increased for specimens collected at a control site off Ewa, Oahu.

Under contract to the Division, researchers at the University of Hawaii have devised a rapid, inexpensive test for CTX. In June 1984, the Board of Land and Natural Resources granted the researchers at the University approval to initiate patent application proceedings on the field testing kit invention. Chemical refinements are needed before a reliable field testing kit is realized.

### **Burnt Tuna Study**

The Division contributed to the study of "burnt" tuna being conducted by the University of Hawaii. "Burnt" tuna is a condition whereby the flesh of tuna taken by handline deteriorates and discolors, rendering it unsuitable for raw fish consumption. Because this condition cannot be detected in whole fish and since fresh tuna brings in the highest price when sold for raw fish consumption, the occurrence of "burnt" tuna causes a significant loss of revenue for the fishing industry.

### **Baitfish Studies**

In August and September, 1983, the substrate in selected areas of Keehi Lagoon were experimentally stirred with an outboard motor to attract baitfish for the aku fishermen. This experiment assisted fishermen by testing their observations of baitfish tendency to congregate in dredging areas where the water is turbid. The experiment was terminated when availability of baitfish improved.

During the year, the Department's Administrative Rule, Chapter 13-72 (License Requirement for Certain Baitfishes) was amended to add the gold-spot herring onto the list of baitfishes that may be taken with small mesh nets (with appropriate bait and commercial licenses). The herring is abundant in nearshore waters and is already being harvested for bait use by aku fishermen.

### **Accommodating Tuna Purse Seine Vessels in Hawaii**

The Department sponsored a meeting in December, 1983, of purse seine fishermen, industry representatives, representatives from State and Federal government, and other maritime interests to discuss the needs and impact of tuna purse seine vessels using Hawaii. The discussions revealed the need for facilities to accommodate the large purse seiners, improvements to Kewalo Basin for efficient unloading at the cannery, and the effects of the seine fishery on local fishermen. It was further noted that with improvements, Hawaii could become an attractive port to purse seiners.

In FY 1983-84, eight purse seine vessels made 11 visits to Honolulu and unloaded 9,950 tons of tuna at the local cannery.

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

Research and development in support of the State's freshwater prawn aquaculture industry continued during the year at the AFRC. Approximately 8.4 million post larval prawns were produced by the hatchery and distributed to 13 private growers under cooperative agreements, collectively farming about 80 acres of ponds. Statewide, twenty-three growers produced approximately 290,000 pounds of marketable prawns, valued at \$1.4 million.

Experiments with recirculating systems for rearing larval prawns have led to design and construction of a demonstration system at the AFRC. The system has operated successfully, producing as many as 53 post-larval prawns per liter. Designed for small and medium sized farms (under 100 acres), the system will permit growers without salt-water sources to raise their own seed stocks. This technology is being transferred to the industry with one recirculating system already in operation, and two others under construction.

A project began in FY 1982-83 to enhance natural stocks of limu, focusing initially on mass production of the local species, ogo and limu manuea. Experiments have progressed during the year from laboratory scale to large tanks (5,000 gallons), and mass production of limu spores on seed rocks. Seed rocks are being planted experimentally at selected locations around Oahu and Molokai, and growth of the limu is being monitored.

### **Legislative Activity**

The 1984 State Legislature amended two laws affecting fisheries: one revises the statutory membership of the Hawaii Fisheries Coordinating Council (HFCC) to acknowledge continuing participation of the State's Marine Affairs Advisor; the other clarifies limits on bullpen traps, and allows fishermen using SCUBA and surround nets to use fine-mesh nets only to transport their catch to a boat or shore for preserving the quality of their fish. It also adopted resolutions recommending that tuna purse seiners be encouraged to base their operations in Hawaii.

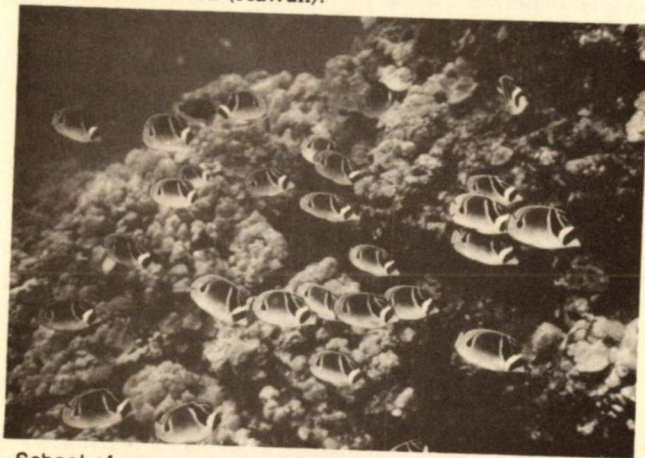
## **AQUATIC RESOURCES PRESERVATION AND ENHANCEMENT PROGRAM**

The objectives of this program are to preserve and enhance fish and other aquatic life, including their habitats, through active protection, propagation and other appropriate management measures. Major program activities include monitoring of aquatic life, establishment of sanctuaries, and evaluating and providing appropriate comments to proposed projects that could affect aquatic life and their habitats.

## Marine Life Conservation Districts (MLCDs)

The Department has established seven MLCDs in areas of special resource value. The Division devotes special attention to managing MLCD resources, by such means as special fishing regulations and frequent monitoring, to protect these values.

Fish at the Kealakekua and Lapakahi (Hawaii), Molokini Shoal (Maui), Manele-Hulopoe (Lanai), and Hanauma and Pupukeya (Oahu) MLCDs were surveyed during the past year. Additional areas suggested for MLCDs are Lelewi, Puako, and Wailea (Hawaii).



School of raccoon butterflyfish (*Chaetodon lunula*) encountered during the survey of Kealakekua Bay Marine Life Conservation District, island of Hawaii.

## Aquarium Fish Collecting Study

During the year 186 aquarium fish collecting permits were issued: 124 (67%) to non-commercial collectors and 62 (33%) to commercial collectors. The total number of permits increased from last year's total of 179.

A total of 169,203 organisms were collected, with 166,335 sold for an aggregate \$313,587.

## Environmental Protection

Staff biologists reviewed 416 proposals and permit applications during the year, evaluating projects, developments, and other uses of natural resources for potential effects on aquatic environments, on aquatic organisms, and on public fishing. Evaluations were accompanied by recommendations to protect the aquatic resources.

## Barbers Point Deep-Draft Harbor Marine Survey

Biologists continued to monitor the quantity and quality of marine life in the nearshore waters surrounding the deep-draft harbor project. In July 1983, an average of 1,411 fishes per acre (representing a total of 74 species) and a standing crop of 142 pounds per acre were estimated. The data suggest that the observed standing crop has increased since November 1982 when initial estimates of 862 fishes (74 species) per acre and a standing crop of 97 pounds per acre were recorded. During the year, 456 fish specimens were collected for ciguatera assay by the University of Hawaii, with kole and taape the target species.

## Hawaiian Monk Seals

The Federal National Marine Fisheries Service (NMFS) was assisted in obtaining the necessary State permits required for project "headstart" on Hawaiian monk seal pup studies at Kure Atoll. The project hopes to demonstrate that successful rearing of especially female pups in captivity at Kure can lead to a faster re-establishment of the monk seal population.

## Marine Turtles

The NMFS was assisted through the Division's reporting of statewide sightings of green sea turtles and with the tagging of 82 turtles on the Island of Molokai. The information will be used to evaluate the "threatened" status of the green sea turtle population in Hawaiian waters.

## AQUATIC RECREATION PROGRAM

The objective of this program is to enrich the leisure time and recreational opportunities of the public. Program activities include surveys of fish populations and research on individual species; interviews of sport fishermen surveys and operation of fishermen checking stations; development, maintenance, and management of Public Fishing Areas and Fisheries Management Areas; and communication with the public to educate and inform them of proposed actions.

## Northwestern Hawaiian Islands Nearshore Resources Assessment

Surveys of fishery resources in the Northwestern Hawaiian Islands involved land-based work at Kure Atoll in June 1983 and February and May 1984. Tissue samples from 442 fishes collected on these surveys were sent to the University of Hawaii, Department of Pathology for ciguatera analysis.

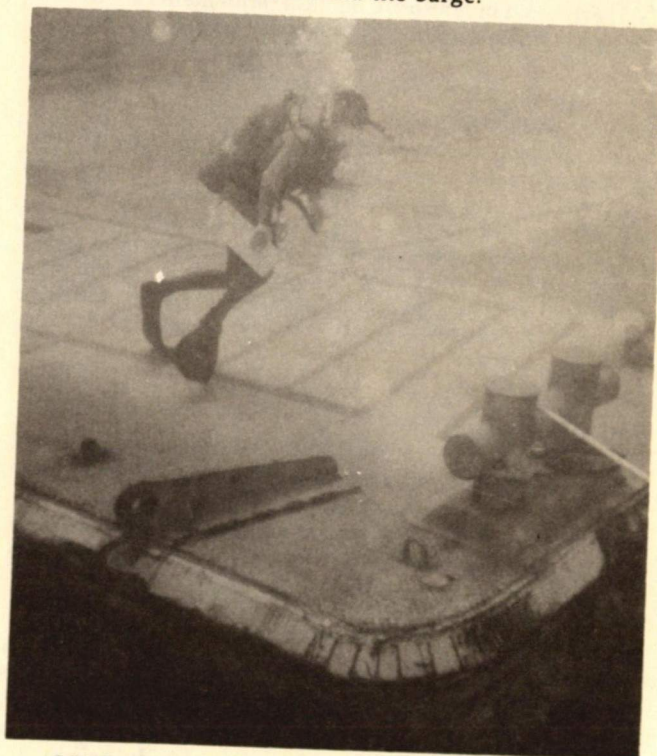
The June 1983 survey resulted with 210 specimens representing 12 families and 22 species collected. Approximately 38% of the fishes were carangids (jacks) and labrids (wrasses). There were 1,341 fishes representing 47 species, and an estimated standing crop of 6,449 pounds per acre recorded at a fish transect station at Kure Atoll. These values are consistent with 1979 and 1980 observations at the same site.

## Waikiki-Diamond Head Shoreline Fisheries Management Area

Semi-monthly fish surveys were conducted to monitor the effectiveness of the two-year closure to fishing (July 1, 1982 to June 30, 1984). Fish biomass tripled from 250 pounds per acre last year, to 750 pounds per acre this year.

## Artificial Reef Development

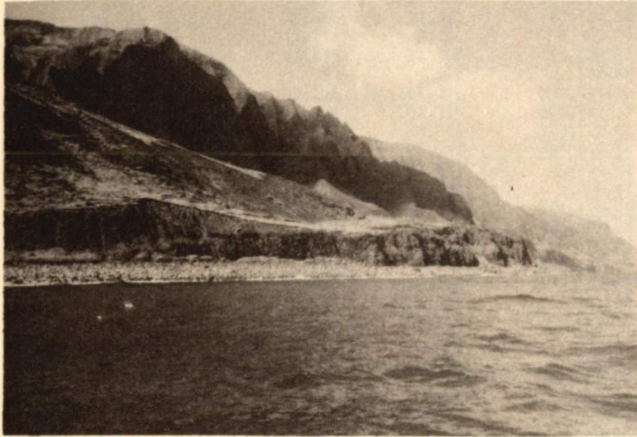
On January 24, 1984, the U.S. Navy scuttled a 110-foot long by 32-foot wide barge at the Waianae Artificial Reef site. Within a month, goatfishes and surgeonfishes of seven species were observed around the barge.



SCUBA diver inspecting a barge recently added to the Waianae Artificial Reef.

### Na Pali Coast, Kauai Marine Survey

The nearshore marine resources along Kauai's Na Pali Coast were surveyed during June 4-8, 1984 as part of the "Na Pali Coast Management Plan" of the Division of State Parks. A total of 18 fish counts were made to describe habitat types, and to collect fish specimens for ciguatoxin analysis. Fifteen of the 18 fish counts re-monitored areas surveyed previously, in 1979; newly surveyed were study sites at Honopu, Makuaikai Point, and at a sea cave one mile north of Polihale Beach. Although less numerous than in 1979, the baitfish, piha was still the species most abundant in 1984. Nenu had the highest biomass in 1984.



Inshore aquatic resources along Kauai's rugged and spectacular Na Pali Coast were surveyed in June.

### Freshwater Public Fishing Areas (PFAs)

**Kokee PFA.** Trout fishing data was collected at the Kokee Checking Stations during the 1983 rainbow trout season from August 6 to September 25 (27 fishing days). The total catch was down somewhat from previous seasons but the fish were again, in prime condition, averaging 8.9 inches and 5.2 ounces. A 2½ pounder was the largest fish recorded for the season.

**Nuuanu Reservoir No. 4.** Three open periods of weekend public fishing for channel catfish were conducted during August and November, 1983, and May, 1984, for a total of 28 fishing days. Fishing results were good, with the average fish measuring 13.40 inches and 1.17 pounds. The year's outstanding catch was made in May where a record sized 36½ inch, 27½ pound catfish surpassed the former record of 35½ inches, and 24¼ pounds.

**Wahiawa PFA.** Creel census and angler interview data collected monthly at this reservoir showed continuing heavy use by the fishing public. Fishing effort and total catch were significantly higher than last year.

### Freshwater Gamefish Culture

**Rainbow Trout.** From February 22 to June 14, 1984, two shipments of 50,000 (each) rainbow trout eggs purchased from Mt. Lassen Trout Farm, California, were incubated, hatched and raised in the refrigerated facility at Anuenue Fisheries Research Center (AFRC). The 74,800 trout fingerling (1.5 inch) produced from these eggs were shipped to Kauai and dropped from a helicopter into streams of the Kokee Public Fishing Area.



Juvenile rainbow trout ready to be released into the Kokee Public Fishing Area.

**Channel Catfish.** An estimated 52,000 channel catfish fingerling were stocked during this period (10,500 in Nuuanu Reservoir No. 4, and 41,500 in the Wahiawa Public Fishing Area). These catfish were obtained from four egg masses collected from Nuuanu Reservoir No. 4 during May, 1983, and incubated, hatched and reared at AFRC.

**Tucunare.** A total of 6,600 tucunare fingerlings cultured at AFRC were stocked in Wahiawa Reservoir during this period. These fish were produced from eleven (11) spawns collected at the reservoir as freshly deposited egg masses on submerged tree branches. The branches were sawed off with eggs attached and taken to the AFRC hatchery for incubation and hatching. Since high egg mortality and losses of sac fry were experienced, investigation into improving culture method continues.

MISCELLANEOUS PERMITS (NO CHARGE)  
Fiscal Year 1983-84

Type	Number
Scientific Collecting Permits - Fisheries.....	40
Group Fishing Permits.....	3
TOTAL.....	43

FEDERAL AID FUNDS<sup>1/</sup>  
Fiscal Year 1983-84

Type	Amount (Dollars)
Dingell-Johnson Federal Aid in Fish Restoration Fund.....	\$410,298.37
Commercial Fisheries Research and Development (P.L. 88-309) Fund..	48,998.75
TOTAL.....	\$459,297.12

<sup>1/</sup> Cash reimbursements from federal government during Fiscal Year 1983-84; outstanding claims not included.

COMMERCIAL FISH LANDINGS  
Fiscal Year 1982-1983

ISLAND	Sea Catch			Pond Catch			Total		
	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)
Hawaii	2,489,508	2,413,273	\$ 3,677,865	3,237	3,237	\$ 8,467	2,492,745	2,416,510	\$ 3,686,332
Maui	889,471	846,716	1,046,217	208	92	152	889,679	846,808	1,046,369
Lanai	22,658	21,054	24,190	-	-	-	22,658	21,054	24,190
Molokai	31,708	29,133	38,797	-	-	-	31,708	29,133	38,797
Oahu	3,740,487	3,605,717	4,738,046	17,015	16,334	25,086	3,757,502	3,622,051	4,763,132
Kauai	665,509	610,629	961,729	-	-	-	665,509	610,629	961,729
TOTALS	7,839,341	7,526,522	\$10,486,844	20,460	19,663	\$33,705	7,859,801	7,546,185	\$10,520,549

State of Hawaii  
Department of Land and Natural Resources  
Honolulu  
DIVISION OF AQUATIC RESOURCES

COMMERCIAL FISH CATCH BY SPECIES, STATE OF HAWAII - FISCAL YEAR JULY, 1982-JUNE, 1983

Sea Catch by Species

Species	Lbs. Caught	Lbs. Sold	\$	Species	Lbs. Caught	Lbs. Sold	\$
Tuna (Unclass)	344	290	\$ 430.00	Eel	3,101	3,053	905.34
Aku	2,427,182	2,385,443	2,126,317.85	Eel (Black)	369	369	183.41
Ahi (Yellowfin)	1,669,191	1,599,295	2,536,231.14	Eel (White)	630	627	710.27
Ahipalaha	370,349	369,107	270,543.32	Uhu	25,450	24,767	30,793.39
Ahi (Bigeye)	154,936	154,273	369,906.22	Ukikiki	2,941	2,742	5,297.60
Kawakawa	26,321	23,028	20,717.35	Uouoa	559	518	1,051.54
Swordfish (Unclass)	240	240	420.06	Upapalu	99	94	127.95
Striped marlin	51,503	46,753	75,890.56	Uu	27,781	26,570	60,275.28
P.B. marlin	372,199	328,328	251,000.05	Uukanepon	28	28	31.63
Black marlin	27,680	27,361	45,727.54	Walu	1,348	1,130	464.66
S.N. spearfish	11,778	9,155	8,983.04	Weke	52,490	49,735	51,601.73
Boardbill	33,175	31,594	64,029.27	Ulua kihikihi	350	333	381.55
Sailfish	797	624	578.66	Opah	3,422	3,422	2,919.00
Mahimahi	199,106	184,210	552,534.20	Mola mola	24	24	15.60
Ono	220,196	202,737	505,942.37	Malu	1,115	1,111	1,405.90
Hapupupu	44,000	43,063	73,722.37	Saba	4	4	4.25
Kahala	104,540	91,772	65,846.16	Opelu mama	46	46	69.00
Kalekale	15,002	13,635	25,124.64	Tilapia	109	109	264.06
Omilu	5,200	5,018	9,828.84	Taape	69,225	66,745	37,997.17
Opakapaka	238,277	230,993	721,118.08	Toau	884	879	2,252.12
Uku	121,584	117,345	305,682.59	Roi	590	590	860.46
Ehu	28,532	27,055	69,770.82	Keokeo	77	68	63.51
Onaga	72,949	70,702	250,860.99	Manchon-pomfret	2,238	2,238	2,552.63
Ulua	97,669	91,726	148,364.16	Poopaa	551	479	818.65
Weke-ula	10,806	10,201	20,873.90	Po'ou	1,240	1,178	1,948.52
A'awa	3,323	3,214	1,812.43	Ulua-Buta	5,189	4,847	5,430.39
Ahaaha	418	378	325.32	Ulua-Dobe	719	698	824.90
Aholehole	4,585	4,220	6,854.13	Ulua-Menpachi	394	394	432.54
Akule	381,580	353,082	391,753.96	Ulua-Paapaa	1,107	1,049	2,072.71
Alaihi	331	322	446.11	Ulua-White/Black	17,020	16,676	26,333.81
Anaama	6,447	5,748	13,529.99	Moana Kali-aweke	2,219	2,124	9,003.49
Awa	1,097	979	1,218.93	Crab (Unclass)	1,856	1,690	3,353.41
Awaawa	1,967	1,775	1,476.04	Crab (Kona)	11,206	7,721	22,127.11
Aweoweo	4,233	3,921	4,983.75	Crab (White)	2,966	2,960	8,146.70
Ea	652	503	363.60	Crab (Moala)	451	431	1,925.25
Hahalalu	162,677	159,321	179,787.15	Crab (Samoa)	522	463	1,631.03
Hanui	307	289	410.51	Shrimp	11,425	10,793	43,746.75
Hauliuli	359	216	186.00	Lobster	18,205	17,508	109,066.00
Hinalea	103	89	48.90	Slipper lobster	906	856	4,232.66
Hunumu	1,489	1,183	1,590.44	Shrimp (Laevigatus)	1,924	1,921	5,684.30
Kaku	5,223	4,115	4,035.07	Hee	13,996	11,196	24,071.23
Kala	14,791	14,130	9,270.38	Muhee	2,968	2,942	5,914.90
Kamano	3,844	3,690	3,692.60	Opihi	6,675	6,120	14,908.30
Kawelea	12,350	12,188	10,386.13	Hihiwai	12	2	6.30
Kole	3,486	3,249	2,971.20	Pupu	450	450	555.00
Kumu	8,728	8,447	38,830.66	Oopu	13	13	58.50
Kupipi	142	142	368.19	Wana	17	—	—
Kupoupou	25	25	45.47	Namako	7	7	21.25
Laenihi	5,918	5,118	12,683.21	Limu	3,479	3,479	8,419.45
Lae	457	396	323.44	Coral (Stony)	931	931	520.00
Lauwiliwili	136	136	32.73	Coral (Rose)	16,186	16,076	12,171.00
Lehi	28,477	27,633	65,703.65	Coral (Black)	725	—	—
Maiii	19	19	9.70	Misc.	13,029	11,605	15,790.98
Maiko	697	686	346.43	Total	7,839,341	7,526,522	\$10,486,844.59
Malolo	8	8	4.64				
Maonao	1,131	1,107	1,097.73				
Manini	11,070	10,450	12,634.51				
Mano	22,606	15,094	6,291.12				
Mano kihikihi	174	151	35.02				
Makiawa	313	313	198.55				
Moano	7,560	7,170	13,601.00				
Moi	1,650	1,281	2,937.40				
Moelua	7,629	7,470	18,248.48				
Mu	7,109	6,870	11,009.35				
Naenae	3,289	3,289	1,507.77				
Nehu	95	80	136.10				
Nenu	8,181	7,562	4,840.50				
Nohu	1,879	1,753	3,977.79				
Nunu	181	146	52.20				
Oililepa	1,127	1,072	664.53				
Oio	7,612	7,257	6,032.90				
Omaka	795	761	1,871.45				
Oopuhue	71	71	63.95				
Opelu	450,940	447,138	581,119.93				
Opule	172	157	273.75				
Pala	303	297	149.45				
Pakii	64	59	182.04				
Pakuikui	178	178	168.62				
Palani	12,939	12,575	11,189.37				
Panuhunuu	53	53	39.46				
Panunu	355	354	559.51				
Paopao	73	73	133.55				
Pauu	606	483	426.51				
Pualu	4,493	4,277	4,023.93				

Pond Catch by Species

Species	Lbs. Caught	Lbs. Sold	\$
Ulua	397	396	971.40
Aholehole	243	240	211.53
Anaama	3,451	3,438	9,717.76
Awa	2,275	2,273	3,426.27
Awaawa	1,274	1,274	1,033.54
Kaku	765	747	2,080.82
Moi	10	10	40.50
Oio	5,269	5,262	5,279.63
Pualu	857	856	742.11
Taape	624	589	442.75
Toau	500	500	1,755.68
Tilapia	3,707	3,035	3,762.80
Crab (White)	24	21	41.00
Crab (Samoa)	392	352	1,604.40
Summer mullet	514	513	1,507.10
Palani	3	2	1.00
Misc.	155	155	87.30
Total	20,460	19,663	\$ 32,705.59
GRAND TOTAL	7,859,801	7,546,185	\$10,519,550.15

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

# DIVISION OF CONSERVATION AND RESOURCES ENFORCEMENT

The Division of Conservation and Resources Enforcement (DOCARE) is responsible for enforcement activities of the Department of Land and Natural Resources. The Division, with full police powers, enforces all State laws and rules involving State lands, State parks and Historical sites, forest reserves, aquatic life and wildlife areas, Conservation Districts, State shorewaters and shores, as well as county ordinances involving county parks. The Division also enforces laws relating to firearms, ammunition, and dangerous weapons.

## Investigation and Enforcement

In fiscal year (FY) 1983-84, a total of 1,107 complaints were investigated by the Division. These complaints involved fishing, hunting, forest reserves, State Parks, Natural Area Reserves, Conservation Districts, and other miscellaneous activities. The Division spent 3,888 hours investigating the total complaints.

DOCARE officers confiscated, after repeated warnings, zodiacs and other beach equipment from Maui's Kaanapali beach area from commercial operators doing business on public land and Conservation District without authority.

Conservation District violations by two (2) helicopter companies operating on Maui were resolved by the Board of Land and Natural Resources by imposing \$4,800 in fines, \$9,687 in administrative costs, and \$9,600 in helicopter services to one company and \$4,800 in fines, \$14,934 in administrative costs, and \$14,800 in helicopter service to the other company. DOCARE officers on Maui expended many hours in documenting the violation and hiked many miles to the sites to investigate the violations.

The Division assisted the County police departments in carrying out the "Green Harvest" operation. Arrests were made of persons cultivating or possessing marijuana on State forest lands and forest reserves.

The Volunteer Conservation Enforcement Officers (total of 69 statewide) spent a total of 9,640 hours in patrol activities with the regular officers. In addition, these volunteer officers spent considerable time attending monthly meetings and training sessions.

## Training of Officers

During FY 1983-84 the regular and volunteer enforcement officers were required to attend training sessions on firearm qualifications and dim light/night firing.

Classes were also conducted to clarify the new laws enacted by the State Legislature.



Enforcement officers go through rigorous firearm training on a regular basis.



Volunteer enforcement officers go through intensive orientation courses on conservation of natural resources.



Volunteer enforcement officer is being congratulated by Chairman Ono for successful completion of all courses and training.

## Public Information and Education

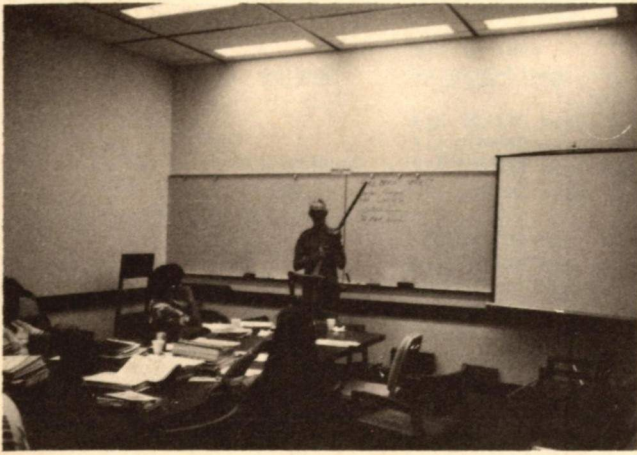
DOCARE distributes and posts notices and posters at various fish markets, sporting goods store, and boat ramps, announcing closed hunting and fishing seasons. It also distributes digests of regulations relating to the taking of marine life.

Press releases for the benefit of the public on closed and open seasons, amendments to conservation laws and rules, and schedules of Hunter Safety Education classes were forwarded to various newspapers agencies, radio stations, and television stations.

DOCARE officers participated at various schools, youth and community organizations, and law enforcement groups such as the County police recruit classes to explain DOCARE's responsibilities and enforcement authority.

## Hunter Safety Education

The Hunter Safety Education Program recruited and trained seventeen (17) additional volunteer instructors to complement the present volunteer instructor staff. These instructors expended a total of 1,350 hours of classroom instruction in training and certifying 530 students enrolled in the Hunter Safety Program.



Hunter safety training course is conducted regularly to familiarize prospective hunters on safe use of hunting equipment.

Hunter Education Instructor Workshops were held on Hawaii and Maui, with Mr. Red Hasay, Chief of Hunter Safety Training, Alberta, Canada, as one of the guest instructors. Other guest instructors included the wildlife biologists from Hawaii and Maui.

A student of the State of Hawaii Hunter Safety Education program was winner in the 1983 Junior Division of the Marlin Firearms Essay Contest.

The Hawaii Hunter Safety Education Program was publicized at various gun shows and at the State Farm Fair with volunteer instructors who distributed brochures and answered questions.

The State's Hunter Safety Education Program was the recipient of the Award of Merit, Class "AA", from the International Association of Fish and Wildlife Agencies for achievement in the field of hunter safety for the year 1983.

DIVISION OF CONSERVATION & RESOURCES ENFORCEMENT

ANNUAL REPORT - 1983-1984

CITATIONS, PENAL SUMMONS, ARRESTS AND DISPOSITIONS

<u>Island</u>	<u>No. of Citations</u>	<u>No. of Arrest</u>	<u>No. of Charges</u>	<u>Bail Forfeiture</u>	<u>Cases Dismissed</u>	<u>Convictions</u>
Hawaii	7 Parking 157		157	\$ 50	3	16
Maui (Lanai & Molokai)	92	39	131	\$150		5
Kauai	2 Parking 129	4	133	\$465	3	33
Oahu	3,022 Parking 168		168	\$200		11
TOTAL	3,031 Parking 546	43	589	\$865	6	65

	<u>Fines</u>	<u>Suspended Fines</u>	<u>Split Fines Fines/S-Fines</u>	<u>Suspended Sentences</u>
Hawaii	\$ 350	2(\$ 25 susp. 6 mos.)		
Maui (Lanai & Molokai)	\$ 50	1(\$100 susp. 6 mos.) 3(\$ 50 susp. 6 mos.)		
Kauai	\$1,685		1(\$100/\$50 susp. 1 yr.)	1(firearm forfeit to state)
Oahu	\$ 250			4(S/S 6 mos.)
TOTAL	\$2,335	2(\$ 25 susp. 6 mos.) 3(\$ 50 susp. 6 mos.) 1(\$100 susp. 6 mos.)	1(\$100/\$50 susp. 1 yr.)	1(firearm forfeit to state) 4(S/S 6 mos.)

Disposition of Pending Cases

<u>Island</u>	<u>Bail Forfeited</u>	<u>Juvenile Authorities</u>	<u>Cases Dismissed</u>	<u>Cases Pending</u>	<u>Convictions</u>	<u>Fines</u>
Hawaii	\$ 140		17	25	120	\$2,005
Maui (Lanai & Molokai)	\$1,200	1(dismissed) 1(1 yr. probation)	21	45	65	1 case 1 yr. probation 1 case 30 days probation 2 cases 50 hrs. community service 4 cases 25 hrs. community service
Kauai		4(C&R)	20	3	32	\$1,300
Oahu	\$ 810	2(C&R)	29	130	90	4 cases 32 hrs. community service \$1,866
TOTAL	\$2,150	1(dismissed) 1(1 yr. probation) 6(C&R)	87	203	307	\$8,021 1 case 1 yr. probation 1 case 30 days probation 2 cases 50 hrs. community service 4 cases 25 hrs. community service 4 cases 32 hrs. community service

<u>Island</u>	<u>Suspended Fines</u>	<u>Jail Sentence</u>
Hawaii	3(\$ 25 susp. 6 mos.) 3(\$100 susp. 6 mos.)	1(\$10 days jail)
Maui (Lanai & Molokai)	2(\$100 susp. 6 mos.) 1(\$ 25 susp. 6 mos.) 1(\$ 25 susp. 1 yr.) 1(\$ 50 susp. 6 mos.)	
Kauai		1(1 yr. probation) 1(90 days jail/60 days susp.) +(100 hours community service)
Oahu	1(\$100 susp. 6 mos.) 1(\$ 50 susp. 90 days)	
TOTAL	4(\$ 25 susp. 6 mos.) 6(\$100 susp. 6 mos.) 1(\$ 50 susp. 6 mos.) 1(\$ 25 susp. 1 yr.) 1(\$ 50 susp. 90 days)	1(\$10 days jail) 1(1 yr. probation) 1(90 days jail/60 days susp.) +(100 hours community service)

Disposition of Pending Cases (Cont'd.)

<u>Island</u>	<u>Split Fines</u> <u>Fines/S-Fines</u>
	1(\$ 50/\$25 susp. 1 yr. - 8 hr. comm. service in lieu of fine)
	3(\$100/\$50 susp. 1 yr. - 18 hr. comm. service in lieu of fine)
	3(\$ 50/\$25 susp. 1 yr.)
Hawaii	9(\$100/\$50 susp. 1 yr.)
	1(\$150/200 hrs. comm. service)
	1(\$250/200 hrs. comm. service)
	2(\$200/200 hrs. comm. service)
	1(\$100/\$25 susp. 6 mos.)
	1(\$ 25/\$15 susp. 6 mos.)
	1(\$500/\$200 susp. 6 mos.)
	1(\$ 50/\$25 susp. 6 mos.)
	1(\$100/\$175 susp.)
Maui	1(\$100/\$150 susp. 6 mos.)
(Lanai	1(\$350/\$175 susp.)
& Molokai)	1(\$200/\$150 susp. 1 yr.)
Oahu	2(\$50/\$25 susp. 30 days.)
TOTAL	1(\$ 50/\$25 susp. 1 yr. - 8 hr. comm. service in lieu of fine)
	3(\$100/\$50 susp. 1 yr. - 18 hr. comm. service in lieu of fine)
	3(\$ 50/\$25 susp. 1 yr.)
	9(\$100/\$50 susp. 1 yr.)
	1(\$150/200 hrs. comm. service)
	1(\$250/200 hrs. comm. service)
	2(\$200/200 hrs. comm. service)
	1(\$100/\$25 susp. 6 mos.)
	1(\$ 25/\$15 susp. 6 mos.)
	1(\$500/\$200 susp. 6 mos.)
	1(\$ 50/\$25 susp. 6 mos.)
	1(\$100/\$175 susp.)
	1(\$100/\$150 susp. 6 mos.)
	1(\$350/\$175 susp.)
	1(\$200/\$150 susp. 1 yr.)
	2(\$50/\$25 susp. 30 days)
<u>Island</u>	<u>Suspended Sentence</u>
	1(DAGP 30 days \$25 special contribution)
	1(S/S 6 mos.)
	1(S/S 1 yr.)
	2(S/S 30 days)
	1(1 minute)
	1(\$10 contribution - prosecution deferred 6 mos.)
	7(10 hrs. community service in lieu of fine)
	1(DAGP \$25 contribution)
	4(\$25 special contribution)
Hawaii	1(DAGP \$40 contribution)
Maui (Lanai	1(S/S 1 yr.)
& Molokai)	4(S/S 6 mos.)
	1(25 hrs. community service)
	1(15 hrs. community service)
Kauai	1(10 hrs. community service)
	1(DAGP)
	3(S/S 30 days)
	1(S/S 3 mos.)
	4(S/S 6 mos.)
	2(S/S 9 mos.)
	5(30 days susp. 6 mos.)
Oahu	1(5 yrs. probation)
TOTAL	1(DAGP 30 days \$25 special contribution)
	9(S/S 6 mos.)
	3(S/S 1 yr.)
	5(S/S 30 days)
	1(1 minute)
	1(\$10 contribution - prosecution deferred 6 mos.)
	7(\$10 hrs. community service in lieu of fine)
	1(DAGP \$25 contribution)
	4(\$25 special contribution)
	1(DAGP \$40 contribution)
	1(25 hrs. community service)
	1(15 hrs. community service)
	1(10 hrs. community service)
	1(S/S 1 mos.)
	1(DAGP)
	1(S/S 3 mos.)
	2(S/S 9 mos.)
	5(30 days susp. 6 mos.)
	1(5 yrs. probation)

FIELD ACTIVITIES

Activity	Number
Patrols & Investigations:	
Vehicle (Miles)	685,950.00
Foot (Miles)	6,125.25
Boat (Miles)	2,047.00
Horseback (Miles)	279.00
Swimming (Miles)	37.00
Stakeouts	631.00
Stakeout (Hours)	1,469.75

FIELD CONTACTS MADE

Field Contact	Number Contacted	Citations	Warnings
Commercial fishermen	5,369	6	61
Marine sport fishermen	44,482	43	238
Freshwater fishermen	4,434	20	67
Hunters	11,435	98	137
Fish & wildlife resource users	11,900	1	111
State parks users	212,609	134	5,515
Forestry users	8,006	25	507
Wildlife sanctuary	25	25	
Natural area reserves	124	2	5
MLCD	99		
Land Management	825		
Conservation district	40		

INSPECTIONS MADE

Types of Inspection	Number Inspected	Citations	Arrests	Warnings
Commercial fishing crafts	1,145	3		4
Sport fishing crafts	1,766			19
Saltwater fishermen	21,755	74		244
Freshwater fishermen	3,666	4		97
Hunters	6,425	102	9	139
Fish markets	2,796	4		32
Fish peddlers	53			5
License agents	292			2
Aquarium fish facility	65			1
State parks	11,745	19		597
Forest reserves	3,549	3		99
Tea houses/restaurants	145			53
Wildlife sanctuary	110			1
Marine life cons. district	210	4		2
Land management	34			
Natural area reserves	116	6		

PUBLIC INFORMATION

Types of Information	Number
Talks made to groups	23
Printed informational material	1,543

COMPLAINTS AND INVESTIGATIONS

Types of Complaints and Investigations	Number	Hours
Fishing	335	700.00
Hunting	96	407.50
Forestry	73	345.25
State parks	175	460.00
DLNR Regulation No. 4	278	793.25
Natural area reserves	1	3.00
Miscellaneous	149	579.50

# CITATIONS AND ARRESTS

Type of Violations	Number
<u>Fishing</u>	
Unattended net over 12 hours	1
Prohibited activity (taking opihi less than 1 1/4" diameter)	1
Unlawful possession fine mesh thrownet	36
Unlawful fishing with fine mesh net/trap (net)	18
Unlawful taking, possession, sale of sea mullet (taking)	9
Possession of crustacean closed season (lobster)	9
Unlawful fishing with firearm or spear (speared lobster)	5
Restrictions on taking/possession/sale of spiny lobster (mutilated)	1
Unlawful taking/sale/killing crustacean with eggs (lobster)	1
Commercial marine license (no marine license)	6
Restricted netting of akule (halaluu)	6
Possession of undersize octopus	8
Offer for sale undersize papio	1
Permit to take shellfish (oysters)	7
Prohibited activity - prohibited to attempt to catch, possess, injure, kill, destroy turtle	1
Prohibited activity - offer sale/possession Green Sea Turtle (possession)	1
Unlawful possession/use of electro fishing device	1
Prohibited activity (fishing in Waikiki Fisheries Management Area)	11
Prohibited activity (fishing in Hanauma Bay MLCD)	2
Restricted fishing activity Ala Wai Drainage Canal (netting)	1
Mooring or tying to fish aggregate buoy	1
Restricted netting activity (thrownet in Kapaa Canal)	2
Prohibited activities - Hilo Bay (crabbing with seine net)	1
Prohibited activities - (netting in Radio Bay)	1
Prohibited activities - (Manele/Hulopoe MLCD)	6
Prohibited activities - (Honolua/Mokuleia MLCD)	1
Prohibited activities - Wahiawa PFA (no fishing license)	8
Prohibited activities - Wahiawa PFA (netting)	5
Prohibited activities - Wahiawa PFA (thrownet)	2
Prohibited activities - Wahiawa PFA (illegal gear)	3
Restricted bag limit - Wahiawa PFA (Tucunare)	3
Restrictions - Ko'ee PFA (fishing trout closed season)	1
TOTAL FISHING VIOLATIONS	160

<u>Hunting</u>	
Destroying wild birds (Bulbul)	1
Hunting without license	45
Failure to display hunting license	7
Hunting of game mammal in violation of rule & exhibit (no entry permit)	18
Unlawful game mammal on non-hunting day	15
Hunting in closed area	8
Hunting on private land without permission	21
Night hunting on private land	8
Permitting illegal use of hunting license	1
Unlawful bird hunting (non-hunting day)	2
Illegal possession of game birds	2
Hunting game bird during closed season (turkey)	1
Hunting of goats during closed season	2
Permitted hunting of game mammals (illegal possession of feral pigs)	3
Prohibited hunting (transporting dogs on powerline road)	4
Possession of live game mammal (goat)	1
Possession of firearm in safety zone	1
Prohibited activities (indigenous bird)	1
Conditions & restrictions (possession of firearm in public hunting area on non-hunting day)	1
Conditions & restrictions (no orange colored garment)	27
Conditions & restrictions (possession of handgun)	1
Conditions & restrictions (removal of live game)	2
Conditions & restrictions (illegal firearms)	5
Conditions & restrictions (failure to sign in/out)	12
Conditions & restrictions (illegal ammunition)	1
Conditions & restrictions (use of traps)	1
Conditions & restrictions (loaded weapon in vehicle)	1
Prohibited hunting (hunting dogs in prohibited area)	4
Prohibited hunting (setting traps for birds)	1
Hunting game mammals during closed season	1
TOTAL HUNTING VIOLATIONS	198

## State Parks

Violation of permit conditions (camping without a permit)	57
Prohibited commercial solicitation in state park (Waimea Canyon Park)	2
Prohibited operation of vehicle off road	27
Prohibited operation of vehicle in state park (motorized bike)	1
Prohibited solicitation of state park	1
Prohibited boating activity in state park (Wailoa)	1
Prohibited use of firearm in park	6
Animals (dogs loose in state park - Wailoa)	31
Closed area (Magic Island)	1
Closed area (stadium)	1
Nudity in state park	2
Prohibited use/possession firearms/other weapons (air rifle)	1
Prohibited operation of vehicle (driving on grass)	
Prohibited fishing in state park (fishing in swimming area - no fishing sign posted)	1
Driving in vehicle in state park camp ground - Kokee	1
TOTAL STATE PARKS VIOLATIONS	134

## Forestry

Collecting forest items without permit (Maile)	6
Collecting forest trees without permit	2
Illegal damage/removal of tree products (Hapuu)	2
Prohibited activity in forest reserve (removal of plant or animal life)	3
Prohibited activity in forest reserve (disturbing natural features - Ohia)	1
Litter & sanitation in forest reserve (dumping of cut logs)	2
Prohibited entry (closed watershed)	2
Prohibited hunting in forest reserve	7
Firearms/weapons in forest reserve	2
Collecting forest items without permit (Uki grass)	1
Collecting forest items without permit (heliconia)	1
TOTAL FORESTRY VIOLATIONS	30

## Firearms

Place to keep	8
Possession by licensed hunters & minors (no permit)	1
TOTAL FIREARM VIOLATIONS	9

## Wildlife Sanctuary

Prohibited entry - Manana Island	15
Prohibited activity in Paiko Lagoon (fishing)	6
Prohibited activity in Paiko Lagoon (trespassing)	4
TOTAL WILDLIFE SANCTUARY VIOLATIONS	25

## Natural Area Reserves

Prohibited activities in natural area reserve (taking seashell)	1
Prohibited activities in natural area reserve (operating motorized water vehicle)	2
Prohibited activities in natural area reserve (fishing)	2
TOTAL NATURAL AREA RESERVES	5

## Miscellaneous

Promoting detrimental drugs 1st (marijuana)	2
Criminal trespass 1st	3
Criminal trespass 2nd	1
Prohibited activity - possession of endangered species (turtle)	1
TOTAL MISCELLANEOUS VIOLATIONS	7

## MANAGEMENT ACTIVITIES

Management Activities	Hours
Training	261.25
Hunter safety	25.00
Volunteer Enf. Officer Program	110.00
Information and education	3.00
Public relations	6.00
Research	146.25

LICENSES AND PERMITS  
COMMERCIAL MARINE FISHING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Commercial Marine Resident					
Number	743	371	240	1,288	2,642
Amount	\$ 7,430	\$ 3,710	\$ 2,400	\$ 12,880	\$ 26,420
Non-Resident					
Number	24	2	4	268	298
Amount	\$ 480	\$ 40	\$ 80	\$ 5,360	\$ 5,960
Special Marine Product					
Number	10	8	1	96	115
Amount	\$ 45	\$ 30	\$ 5	\$ 329	\$ 409
Commercial Bait					
Number	3	5	--	13	21
Amount	\$ 3	\$ 5	\$ --	\$ 13	\$ 21
NWHI *					
Number	--	--	--	10	10
Amount	--	--	--	\$ 10	\$ 10
TOTAL					
Number	780	386	245	1,675	3,086
Amount	\$ 7,958	\$ 3,785	\$ 2,485	\$ 18,592	\$ 32,820

\* Northwestern Hawaiian Islands (Leeward Islands)

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

LICENSES  
FRESHWATER FISHING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Resident					
Number	5	--	708	6,741	7,454
Amount	\$ 19	--	\$ 2,541	\$ 24,076	\$ 26,636
Non-Resident					
Number	--	--	8	42	50
Amount	--	--	\$ 57	\$ 301	\$ 358
Tourist					
Number	--	--	138	94	232
Amount	--	--	\$ 509	\$ 335	\$ 844
Juvenile					
Number	2	--	154	1,682	1,838
Amount	\$ 3	--	\$ 220	\$ 2,421	\$ 2,644
Senior Citizen					
Number	2	--	63	192	257
Amount	\$ --	--	--	--	--
Duplicate					
Number	--	--	1	34	35
Amount	--	--	--	\$ 16	\$ 17
TOTALS					
Number	9	--	1,072	8,785	9,866
Amount	\$ 22	--	\$ 3,328	\$ 27,149	\$ 30,499

\* Fractional amounts (less than a dollar) excluded

LICENSES

HUNTING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Resident					
Number	3,427	2,514	1,971	3,264	11,176
Amount	\$ 24,570	\$ 18,097	\$ 14,101	\$ 23,307	\$ 80,074
Non-Resident					
Number	194	117	12	49	372
Amount	2,774	1,677	172	705	5,328
Senior Citizen					
Number	117	129	31	108	385
Amount	--	--	--	--	--
Duplicate					
Number	26	63	46	39	174
Amount	13	31	22	18	85
TOTALS					
Number	3,764	2,823	2,060	3,460	12,107
Amount	\$ 27,357	\$ 19,805	\$ 14,295	\$ 24,030	\$ 85,487

1/ Fractional amounts (less than a dollar) excluded

LICENSES AND PERMITS

MISCELLANEOUS

TYPE	STATEWIDE
Game Bird Farm	
Number	34
Amount	\$ 34
Aquarium Fish	
Number	188
Amount	--
TOTALS	
Number	222
Amount	\$ 34

# BUREAU OF CONVEYANCES

The Bureau of Conveyances is responsible for maintaining accuracy and indefeasibility in recordkeeping and for eliminating errors and confusion in land title registration.

## Workload

During fiscal year (FY) 1983-84, 219,238 documents were received by the Bureau of Conveyances. This is the largest number of documents received since FY 1979-80.

Regular Registration documents received . . . . . 152,470

Land Court Registration documents received.. 66,768

New transfer certificates of title issued . . . . . 11,107

This is a workload increase of approximately 17%. The increase in recordation of legal documents was due to availability of mortgage money and the government sponsored Hula Mae program. The program revenue totalled \$1,410,228 which is the largest amount to be brought in by the Bureau.

For the fiscal year there were also 359 foreclosure documents on condominiums and real property recorded

amounting to \$41,693,300.

## Backlog

Although overtime, mechanization and reassignment of staff were tried, the backlog in processing and distribution still remain about the same as last fiscal year with 4½ months in land court system and 3½ months in regular system.

## Office Space

Office space is becoming a critical problem in the Bureau of Conveyances. The Land Court system files an average of 56,000 documents annually occupying approximately 60 square feet of space and issues roughly 9,000 transfer certificates of title annually, requiring 91 Land Court books and occupying 5 shelves and 4 square feet of office space. The Bureau will be reviewing possible legislative means to eliminate the need to file the original documents in the Land Court system; thus, reducing the space requirement.

DOCUMENTS RECEIVED AND CERTIFICATES OF TITLE ISSUED

Fiscal Year	Documents Received			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
1974-75	129,774	91,843	37,931	6,687
1975-76	149,616	103,974	45,642	7,636
1976-77	169,627	116,998	52,629	8,006
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
Total	1,841,662	1,288,765	552,897	91,377

VALUE OF PROPERTY TRANSFER IN HAWAII  
(in thousands of dollars)

Fiscal Year	Honolulu		Hawaii		Maui		Kauai		State
	% of State	Value (\$1,000)	% of State	Value (\$1,000)	% of State	Value (\$1,000)	% of State	Value (\$1,000)	Value (\$1,000)
1974-75	74.1	\$ 970,105	10.1	\$131,594	12.1	\$159,352	3.7	\$ 47,755	\$1,308,806
1975-76	76.8	703,176	7.6	69,340	12.6	115,573	3.0	27,107	915,196
1976-77	71.4	1,264,697	10.0	173,325	14.6	258,798	4.0	74,493	1,771,313
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

RECEIPTS OF THE BUREAU OF CONVEYANCES

Fiscal Year	Receipts		
	Regular System	Land Court System	Total
1974-75	\$ 508,859	\$ 177,402	\$ 686,261
1975-76	562,064	208,988	771,052
1976-77	598,363	233,110	831,473
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
Total	\$7,227,765	\$3,396,935	\$10,624,640

# DIVISION OF FORESTRY AND WILDLIFE

The Division of Forestry and Wildlife is responsible for the management of forests and forest resources, and the management of wildlife outside of the forest proper.

## SIGNIFICANT ACTIVITIES

The Division was actively involved in the following important events.

**Emergency Assistance.** On March 25, the summit caldera of Mauna Loa erupted. This eruption lasted 22 days, posing an imminent threat to Hilo, and devastated a considerable part of the Upper Waiakea Forest Reserve. The Division provided assistance to the Hawaii County Civil Defense in monitoring flow progress, planning emergency actions, and maintaining 24-hour communication with the Division of Conservation and Resources Enforcement personnel who manned road blocks and controlled the entry of the public into restricted areas. Information relative to the location of roads, accessibility, terrain and local weather conditions were also provided with the aid of a computer data base, and radio scanning equipment. In total, the Division provided 225 man-days of assistance.



There's no stopping a lava flow. Here, the Tree Planting Road is being run over.

**Forestry and Wildlife Conference.** In May, the Department co-hosted a conference with the U.S. Fish and Wildlife Service, U.S. Forest Service, Wildlife Society, and Society of American Foresters. One hundred and fifty attendees heard presentations on the subjects of management of resources on military installations, refuges and sanctuaries, County parks, and private lands; controlling the effects of exotic organisms; and management of water resources. The field trip to the Kaneohe Marine Corps Air Station, Ho'omaluhia (Honolulu City and County Park), and Kawainui Marsh featured speakers discussing practical approaches to natural resource management and interpretation.

**Training Assistance.** At the request of the Federated States of Micronesia, Territory of Guam, Commonwealth of the Northern Mariana Islands, and the Republic of the Marshall Islands, Governor George Ariyoshi approved the Division's involvement in training foresters and technicians from these Pacific islands.

The two-week session covered a wide variety of forest resource subjects which were tailored to meet the specific educational needs of each participant. Staff and District personnel provided the necessary expertise and references to render the training sessions a resounding success.



Pacific foresters, Class of 1984, plant a tree in the Division's Kauai arboretum in recognition of the training assistance given by the State.

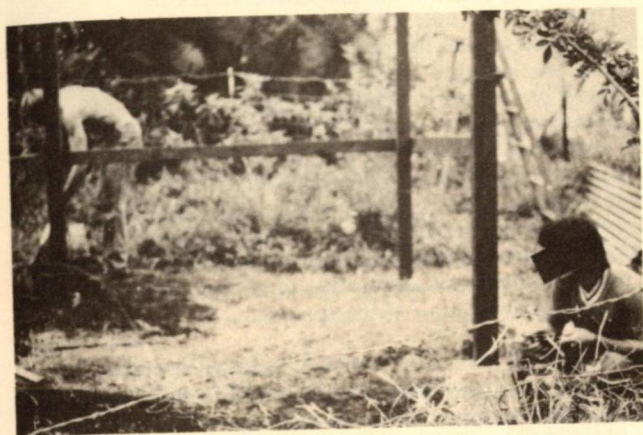
**Hawaii Statehood Silver Jubilee.** In May, as part of First Lady Jean Ariyoshi's program "Planting a Lifetime of Aloha", the Division, through its district offices, started propagating pine, cypress, kukui, paperbark, Norfolk Island pine, and other trees for distribution on August 21, 1984, the date of Hawaii's twenty-fifth anniversary. A goal of 30,000 trees had been set.



The distribution of seedlings at the Capitol and other points in the State culminates the "Planting a Lifetime of Aloha" theme of the Statehood Silver Jubilee.

**Inmates' Community Service.** Work program for inmates was developed by the Department and the Department of Social Services and Housing. The program was implemented in August 1983. As agreed, Oahu Community Corrections Center furnished the men while the Division provided work opportunities, supervision, and transportation. All of the participating inmates have had earned the privilege to be in this program of community service.

During the year, they participated in trail, arboretum, and wildlife sanctuary maintenance; nursery plant production; tree planting; wildlife-watering unit construction; and other forestry-related operations. In May, they helped suppress a forest fire in Mokuleia.



Resourceful inmates help build a bird-watering unit at Kuao-kala, Waianae Mountains, Oahu.

## 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 nursery produced 236,558 seedlings in dibble tube containers this year, an increase of 68% over last year. The number of bare-root seedlings decreased 69% to 43,591.

Of the seedlings produced, nearly 150,000 (63%) were for wood fiber utilization, either for timber or biomass outputs. Of the rest, 120,000 were for windbreaks and 11,000 were Christmas tree seedlings. Most of the plants serve dual purposes: soil erosion control and watershed improvement.

The Central Tree Nursery also produced 8,600 seedlings for Arbor Day and other community beautification projects as well as 1,000 seedlings of rare native plants.

**Maui District Nursery.** About 7,000 ornamental tree seedlings were produced for the State's Silver Anniversary Celebration.

**Kauai District Nursery.** The nursery distributed 364,606 seedlings, 340,000 of which were forest-grown Norfolk Island Pine seedlings which were sold to the public.

**Oahu District Nursery.** Over 1,200 Norfolk Island Pine seedlings, 500 kukui trees and other ornamentals were produced. The majority were grown for distribution during the State's Silver Jubilee while others were for perpetuating the concept of conservation by school organizations.

### Tree Planting and Timber Stand Improvement

**Maui District.** Tree planting and timber stand improvement were concentrated in the West Maui and Makawao Forest Reserves. The work consisted of the following: site preparation, 57 acres; tree planting, 43; replanting, 10; weeding, 15; and thinning, 10.

**Hawaii District.** The reforestation program included site preparation of a total of 193 acres and the planting of 202 acres with various timber species, mainly *Eucalyptus saligna* and *E. grandis*. All of the reforestation were done in the

Waiakea area. Timber stand improvement included fertilizing of 338 acres and weeding of 78 acres. Other accomplishments include 17 acres of noxious weed control, 3 miles of trail maintenance, 3.2 miles of fence maintenance, 22 miles of road maintenance and approximately 900 feet of fence construction.

**Kauai District.** Reforestation work was temporarily halted during the past fiscal year in order to concentrate on completing projects relating to damage from Hurricane Iwa which hit in November, 1982.

One of the major projects was the U.S. Department of Agriculture Emergency Watershed Protection Program to clear wind-felled trees from roadside areas to reduce the threat of fire and to protect the watershed. A total of 26 miles of road were worked on, of which 21 miles were done by contract in the Puu Ka Pele and Na Pali-Kona Forest Reserves. Because of the dry weather conditions in the area, only 65 acres of the 268 acres was planted with kikuyu and carpet grass, the remaining area will be planted during wet periods of the 1984-85 fiscal year.

**Oahu District.** Replanting was done in previously planted areas with poor stocking and high mortality. Work was also accomplished on the two established Christmas tree stands in the Waiahole and Honolulu Watershed Forest Reserves, respectively. The work consisted of the following: weeding, 20 acres; replanting, 2; thinning, 9; and pruning, 4.

### Forestry Assistance

The Division provides technical assistance to landowners and processors of forest products as a regular service. During the past year, technical assistance was rendered to over 300 landowners. Program accomplishments include: (1) drafting six management plans involving 23,974 acres; (2) providing advice on planting 366 acres of trees and the harvesting of 470,000 cubic feet of timber; (3) seeking buyers for forest products; and (4) providing urban forestry assistance to homeowners. On Kauai, the Division propagated specific tree species to replace those that were lost as a result of Hurricane Iwa in 1982. These trees were given away free as a part of the Arbor Day celebration in November.

In response to a legislative resolution, the Division inventoried sources of woody material growing on Molokai. One of the fruits of the inventory is its potential as a tool for resources-oriented groups—such as Molokai Electric Company—to determine the feasibility of using "home-grown" materials.

## PROTECTION AND ENHANCEMENT PROGRAM

The program objective is to protect, conserve and enhance forest resources, and manage wildlife outside of the forest proper. Some of the 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

The Division completed a fire prevention study for the years 1978 through 1982. The findings are:

1. Of the 1,737 wildland "fire starts" within the State, 47% were in Hawaii County, 25% Maui, 22% Honolulu, and 6% Kauai.
2. Fires burned 40,389 acres of land; 49% in Hawaii County, 42% Maui, 8% Honolulu, and 1% Kauai.
3. Major fires occur anytime throughout the year.

## Forest Pest Management

Pest management efforts once again centered on the two major forest pests: the weeds banana poka and clidemia.

In banana poka control, the University of Hawaii, under contract to the Department, sent a plant pathologist and an entomologist to Colombia and Ecuador on a 2-month search for biological control agents. Two insects and a disease were found and are being proposed as good prospects for host-specificity testing. Work on the disease has started at the USDA Plant Disease Research Laboratory in Maryland. Retrieval of the prospective insects—and others proposed by Dr. Pemberton earlier—will start as soon as the National Park Service's recently completed (June) quarantine facility at Hawaii Volcanoes National Park is certified and after permits to import insects are issued by the proper authorities.



Some people say you shouldn't stand in one spot too long in banana poka country. The search for natural enemies of this pest continues.

In clidemia control, the Division provided funds to the Hawaii Department of Agriculture to continue testing biological control insects in Trinidad, West Indies. The rationale for conducting the tests in Trinidad is the ease and expediency of working in an area where (1) there are test plants similar to Hawaii's; (2) a constant supply of candidate insects is readily available; and, (3) escapees wouldn't cause problems as they may in Hawaii.



Sighting clidemia plants in new areas is usually difficult. The pest plant is "harvested" in plastic trash bags (foreground). Kahili Mountain, Kauai.

## Endangered Plant Species

On Hawaii, a 0.33-acre enclosure was constructed in a bog in the Upper Waiakea Forest Reserve at 5,260 feet elevation to protect a population of silverswords. In addition, a small enclosure around the last, relatively healthy, naturally-occurring haukuahiwi plants at Puu Waawaa was reconstructed. Grass in the enclosure was sprayed and seedlings planted.

On Maui, a fenced enclosure was built at Polipoli to protect a red-flowered native geranium from grazing animals. This 1.5-acre enclosure protects a number of geraniums whose flowers are visited by forest birds.

A 12-acre site in central Molokai was fenced to eliminate axis deer and goats from the native 'ohai tree.

Three plant species were officially added to the endangered species list bringing the total to nine. The latest plants are: cuneate bidens, Diamond Head schiedea, and Carter's panicgrass from Oahu and Mokoli'i Island.

Botanical field surveys provide current information on rare plant populations, their habitat requirements and vigor. Botanical surveys concentrated on areas where Department projects are in the planning phase. Two surveys were conducted in the Kohala Mountains, Hawaii: (1) the proposed Puu Ohu Reservoir site of 22 acres; and, (2) a proposed roadway, amounting to 3 acres, along the Upper Hamakua Ditch.

## Endangered and Threatened Animal Species

The regular semi-annual inventories to determine state-wide trends in populations of endangered Hawaiian stilts, gallinules, coots and ducks, and other waterbirds were made in August and January. The survey sites generally include permanent, regularly-used waterbird areas in the lowlands. Differences between counts\* reflect seasonal as well as habitat changes. The results were:

	August 1983*	January 1984*
Hawaiian Stilt (Aeo)	1,044	1,352
Hawaiian Gallinule (Alae ula)	134	334
Hawaiian Coot (Alae Keokeo)	4,466	2,823
Hawaiian Duck (Koloa)	119	184

The seabird salvage project on Kauai processed a total of 1,708 dead, stunned, or injured fledgling Newell's Shearwaters and 5 Dark-rumped Petrels during the October-November 1983 fledgling period. Of these, 1,594 (93%) were treated, banded, and released back into the wild.



Wildlife biologists attending to the needs of a Newell's Shearwater that was brought to the aid station on Kauai.

## Wildlife Sanctuaries

At the end of the fiscal year, Pauwulu Point, Maui, was being developed as a State wildlife sanctuary. The inland boundary of the sanctuary was delineated with 600 feet of chain link fence to protect the seabirds.

The final increment of the 3.2-mile chain link fence at Kanaha Pond, Maui, was installed. This fence protects the endangered Hawaiian stilts and coots.



This recently established sanctuary at Pauwulu Point, Maui, protects a variety of common seabirds and offers spectacular scenic vistas.

### Hawaiian Crow (Alala) Restoration

This unique Hawaiian species is on the brink of extinction; fewer than 20 Alala are thought to be left in the wild. As part of the Division's effort to restore this species to a reasonably secure population size, nine Alala are being held at the Endangered Species Facility at Pohakuloa, Hawaii, for captive-breeding.

As a part of an ongoing program to upgrade the facility at Pohakuloa, Dr. Stanley A. Temple was hired to evaluate the facility and the captive-breeding program, and to provide recommendations on ways to improve operations.

Dr. Fern P. Duvall III, an aviculturist-behaviorist who studied crows in Germany, was hired in May on a one-year contract to develop and direct a captive-breeding program for Alala at the Pohakuloa facility.

Field surveys to record and monitor Alala pairs and nesting sites in known breeding habitats were continued by Division biologists. An annual survey of the breeding habitats on Hualalai and in the Honaunau Forest Reserve was completed in May. Two birds (one female and one juvenile of unknown sex) were found on Hualalai while none were seen in Honaunau. The reasons for this decline in the last five years are not clearly understood, although habitat modifications have been a significant factor in some areas.



This Department-produced poster urges the conservation of the endangered Hawaiian Crow, the Alala.

### Hawaiian Goose (Nene) Restoration

Field observations for Hawaii's state bird, the Nene, continued for the determination of distribution, movements, reproduction, and the limiting factors in the wild on

Hawaii and Maui. Habitat improvements such as fencing, supplemental feeding, development of water systems, and predator control were made in localized areas on Hawaii.

Twenty-eight goslings from twelve pairs of captive Nene were reared at the Pohakuloa facility and released later in Hawaii Volcanoes National Park after being cross-fostered to other Nene pairs. Also, six Nene from the 1982-83 breeding season were released into the Keauhou Nene Sanctuary (Hawaii) and four were released at Haena (Hawaii). A total of 1,368 Nene have been released on Hawaii and another 489 on Maui since the program began in 1960.

### Hawaiian Duck (Koloa) Restoration

Twenty-four endangered Hawaiian ducks, the Koloa, remain at the Pohakuloa facility. One brood of four ducklings was produced.

In September, 33 Koloa from the 1982 breeding season were released in the Puu Oo section of Parker Ranch. All of the Koloa were banded with Federal aluminum leg bands, and each had a marker attached to its bill for field identification. The Puu Oo area was visited frequently to check on the results.

### Northwestern Hawaiian Islands Management

Visits were made to Kure Atoll, a wildlife sanctuary, to monitor seabird, sea turtle, and monk seal populations and to evaluate vegetative conditions. The Division is currently participating in the preparation of a vegetative map of Green Island, Kure Atoll.



Island-hopping, atoll style. Transportation between islands of an atoll is done on a small scale and elicits resourcefulness.

### Kahoolawe Management

During early March, 5,000 Tamarisk trees were planted in a continuing program to revegetate Kahoolawe. At present, 67% of the 1,200-acre project area has been surveyed and 360 acres of it has been planted.

## RECREATION PROGRAM

The Division builds and maintains hiking trails, access roads, shelters, vista points, hunting grounds, and other recreational provisions.

### District Projects

**Maui District.** For the year, the following were maintained: (1) 9.4 miles of forest trails within the Kula, Koolau and West Maui Forest Reserves; (2) 27.4 miles of forest roads within the Kula and Kahikinui Forest Reserves where public hunting and recreation are popular; and, (3) 13.9 miles of forest fences.

On Molokai, 64 miles of forest roads and 8 miles of fence-line were maintained during the year to keep the Molokai Forest Reserve access road open and cattle out of the reserve lands.

**Kauai District.** Efforts were made to complete the repair of the damage caused by Hurricane Iwa. A total of 41 miles of trails were cleared of fallen trees and rebuilt; 30 miles of roads were reopened for public use; 13 trail shelters were re-roofed; and one hurricane-damaged shelter was completely rebuilt.

**Oahu District.** During the past year, over 50 miles of trails and 35 miles of forest roads were maintained and kept open for public use.

Over 250 hiking and camping permits were issued. Many of these permits were issued for the popular Kuao-kala/Mokuleia Forest Reserves where a trail shelter is located and camping is allowed.

The arboretum in Makiki Valley continues to receive popular use by the public.

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

**Maui District.** During the past year, the following were propagated and distributed: (1) 8,340 timber, windbreak and ornamental tree seedlings for parks and other governmental beautification projects; and, (2) 606 native plants for local botanical gardens, arboreta, the Hawaiian Studies Program, and interested individuals. Keanae Arboreta continues to be a popular attraction along the Hana Highway.

A 1.2-acre sanctuary in the Kula (Maui) Forest Reserve and a 10-acre sanctuary on Molokai were built for two plant species. The Molokai project required the installation of 2,800 feet of 8-foot high hogwire fencing.

**Kauai District.** A total of 9,928 native and ornamental plants were produced for distribution to various parks, arboreta, schools, and other state and county government projects.

**Oahu District.** Over 1,300 plants, ranging from paperbark trees to Monterey cypress, were propagated for distribution to the public during Arbor Day. A total of 500 Norfolk Island Pine seedlings were planted in the Ewa Forest Reserve to control soil erosion and to re-establish a much needed wind-break in the area.

### **Game Research and Surveys**

Studies and surveys were conducted to gain more information for intensive management of game resources. State-wide aerial surveys were used to estimate mouflon sheep populations on Hawaii and Lanai; deer populations on Molokai, Lanai, and Maui; and goat populations on Kauai and Maui.

The following pre-season estimates of game mammals were made: (1) 897 mouflon sheep in the cooperative game management area of Lanai and 600 mouflon sheep in and around the Mauna Kea game management area; and, (2) 400 blacktail deer on Kauai, and 2,698 and 202 axis deer in game management areas on Lanai and Molokai, respectively. The estimated goat population in the Waimea Canyon and Na Pali Coast (Kauai) rose to 1,326 in 1984 from the 666 animals counted in 1983. The season was closed once again in 1984 to permit a vigorous recovery of the herds.

During the life history study of Erckel's Francolin on Kauai, data on the seasonal changes of the major plants within the Erckel's habitat were collected. Studies were also conducted on two pairs of adults in captivity to determine life history sequences too difficult to achieve in the wild.

### **Public Hunting**

Statewide, game mammal hunters made 10,947 trips into public hunting areas and harvested a total of 2,120 mammals of which 81 were feral sheep, 885 feral pigs, 224 feral goats, 758 axis deer, 26 blacktail deer, and 146 mouflon sheep. An undetermined number of pigs and goats were harvested on other public hunting areas and private lands where records were not kept.



Hunters admire a rare "big one" taken in the wilds of Kauai.

The game bird hunting season was affected by drought conditions which prevailed during the nesting and brooding seasons. The number of game bird hunter-trips made into public hunting areas was 10,030 and the total harvest was 8,490 birds.

The development, maintenance, and operation of public hunting areas continued to enhance game bird and mammal productivity and to improve hunting opportunities. To augment wild food plants, supplemental food was distributed at the Kekaha Game Management Area, Kauai, and at the public hunting areas on Lanai, Molokai, Maui, and Oahu.



An example of a watering unit. This one, for axis deer and game birds, is on Lanai benefitting public hunting.

Big game and game bird-watering units, 150 miles of hunter access trails and roads, hunter checking stations, and informational and boundary signs were maintained on all islands.

Sixty-two California quail were trapped at Pohakuloa, Hawaii, tested and treated for disease, and shipped to Kauai where they were released in the Kekaha Game Management Area. The restocking effort is to re-establish quail in areas that have been improved by recent brush-clearing and the establishment of game-watering units.

## **SUPPORT SERVICES**

Support services include scientific research, technology transfer, and forest land acquisition and withdrawal activities. The Institute of Pacific Islands Forestry of the U.S. Forest Service mainly provides the research assistance to the Division.

### **Research and Technology Transfer**

**Multi-Resource Inventory.** The Molokai inventory project was completed in late 1983. The Division is consulting with

the U.S. Forest Service to establish a reporting format that would satisfy national, regional, and local resource planners.

Work commenced on the inventory of Oahu's forests and forest-related resources. The job entails visual interpretation of 1,800 aerial photo-points and field inspection of 135 ground plots.

# REFORESTATION PROGRAM IN STATE FOREST RESERVES

Island	Site Prep. (Acres)	Planting (Acres)	Replant. (Acres)	Weeding (Acres)	Fertilizing (Acres)	Pruning (Acres)	Thinning (Acres)
Hawaii	193	202	30	112	338	0	0
Maui	57	43	10	15	0	0	10
Molokai	0	0	0	0	0	0	0
Oahu	0	0	5	10	6	0	4
Kauai	10	1	0	0	0	1	0
TOTAL	260	246	45	137	344	1	14
(1983 Sum)	78	59	55	268	126	8	38
(1982 Sum)	378	234	173	389	288	111	39

## SEEDLINGS PRODUCED AND DISTRIBUTED

Name	Quantity
Timber, Windbreak, Christmas Tree, and Biomass Seedlings:	
Koa ( <u>Acacia koa</u> )	11,097
River-Oak Casuarina ( <u>Casuarina cunninghamiana</u> )	52,954
Beach Shortleaf Ironwood ( <u>Casuarina equisetifolia</u> )	7,561
Sugi ( <u>Cryptomeria japonica</u> )	476
Italian Cypress ( <u>Cupressus sempervirens</u> )	350
Mexican Cypress ( <u>Cupressus lusitanica</u> )	15,203
Monterey Cypress ( <u>Cupressus macrocarpa</u> )	4,176
Lemon-Gum Eucalyptus ( <u>Eucalyptus citriodora</u> )	835
Mindanao-Gum Eucalyptus ( <u>Eucalyptus deglupta</u> )	108
Bluegum Eucalyptus ( <u>Eucalyptus globulus</u> )	1,120
Rosegum Eucalyptus ( <u>Eucalyptus grandis</u> )	77,187
Gray Ironbark Eucalyptus ( <u>Eucalyptus paniculata</u> )	212
Robusta Eucalyptus ( <u>Eucalyptus robusta</u> )	872
Saligna Eucalyptus ( <u>Eucalyptus saligna</u> )	37,513
Red-Ironbark Eucalyptus ( <u>Eucalyptus sideroxylon</u> )	132
Bermuda Juniper ( <u>Juniperus bermudiana</u> )	1,847
Paperbark ( <u>Melaleuca leucadendron</u> )	8,021
Olive ( <u>Olea europaea</u> )	2,317
Loblolly Pine ( <u>Pinus taeda</u> )	16,371
Slash Pine ( <u>Pinus elliottii</u> )	6,617
Monterey Pine ( <u>Pinus radiata</u> )	2,469
Monkey-pod ( <u>Pithecellobium saman</u> )	1,018
Redwood ( <u>Sequoia sempervirens</u> )	729
Brushbox ( <u>Tristania conferta</u> )	656
Norfolk-Island-Pine ( <u>Araucaria heterophylla</u> )	30,308
Community Beautification and Native Species Seedlings	39,025
TOTAL	319,174
(1983 Sum)	328,075
(1982 Sum)	449,272

# CONSTRUCTION AND MAINTENANCE OF ROADS, TRAILS, AND FENCES

Island	Construction			Maintenance		
	Roads (Miles)	Trails (Miles)	Fences (Miles)	Roads (Miles)	Trails (Miles)	Fences (Miles)
Hawaii	0	0	1.4	26.0	0	3.7
Maui	3.0	0	4.8	38.7	9.4	23.2
Molokai	0	0	0.9	69.0	0	13.4
Oahu	0	0.1	0	36.9	81.1	0.1
Kauai	7.8	1.1	0	30.2	41.0	0.8
Lanai	0	0	0	9.0	0	0
TOTAL	10.8	1.2	7.1	209.8	131.5	41.2
(1983 Sum)	0.8	0.3	9.7	318.2	117.2	106.1
(1982 Sum)	0	5.5	4.7	283.7	233.7	45.4

## FOREST AND BRUSSLAND FIRES IN MUTUAL AID (CM-2) PROTECTION AREAS

Item	Hawaii	Maui/Molokai	Oahu	Kauai	Total
Total No. of Fires	31	79	27	17	154
(1983 Sum)	57	80	26	19	182
(1982 Sum)	104	94	46	11	255
No. of Fires by Cause:					
Lightning	1	0	0	0	1
Campfire	3	4	0	3	10
Smoking	3	13	0	2	18
Incendiary	4	13	12	0	29
Debris Burning	10	22	0	8	40
Equipment Use	0	6	1	0	7
Children with Matches	1	3	0	0	4
Miscellaneous	9	18	14	4	45
No. of Fires by Size-Class:					
Less than 1 acre	17	46	12	10	85
1 to 9 acres	7	20	11	5	43
10 to 99 acres	5	7	2	2	16
100 to 299 acres	2	2	0	0	4
300 to 999 acres	0	2	1	0	3
More than 1,000 acres	0	2	1	0	3
Total Acres Burned	442	3,994	1,990	53	6,479
(1983 Sum)	15,493	1,315	2,697	220	19,725
(1982 Sum)	2,155	4,461	260	43	6,919

WILDLIFE HABITAT IMPROVEMENT, NOXIOUS PLANT CONTROL,  
EROSION CONTROL AND ARBORETA MAINTENANCE

Island	Wildlife Habitat Improvement (Acres)	Noxious Plant Control (Acres)	Erosion Control (Acres)	Arboreta Maintenance (Acres)
Hawaii	5.0	18	0	182
Maui	5.0	57	0	54
Molokai	0	0	0	0
Oahu	77.5	6	6	108
Kauai	9.8	81	65	155
Lanai	0	0	0	0
TOTAL	97.3	162	71	499
(1983 Sum)	80.4	109	0	471
(1982 Sum)	416.0	154	61	541

GAME MAMMALS HARVESTED FROM PUBLIC HUNTING AREAS

Mammal	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	Total
Pig, Boar	170	270	0	39	28	0	507
Sow	141	195	0	42	0	0	378
Blacktail Deer,							
Buck	0	26	0	0	0	0	26
Goat, Billy	24	79	0	31	0	0	134
Nanny	14	68	0	8	0	0	90
Mouflon Sheep, Ram	75	0	0	0	0	44	119
Ewe	27	0	0	0	0	0	27
Feral Sheep, Ram	47	0	0	0	0	0	47
Ewe	34	0	0	0	0	0	34
Axis Deer, Buck	0	0	0	0	0	398	398
Doe	0	0	0	0	0	360	360
TOTAL	532	638	0	120	28	802	2,120
(1983 Sum)	578	899	118	81	9	395	2,080
(1982 Sum)	509	642	70	195	2	418	1,836

No. of Hunter- Trips	2,824	5,569	0	293	424	1,864	10,974
Mammals/Hunter Trip	0.19	0.11	0	0.41	0.07	0.43	0.19

GAME BIRDS HARVESTED FROM PUBLIC HUNTING AREAS

Bird Species	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	Total
California Valley Quail	1,947	0	12	12	0	0	1,971
Gambel's Quail	0	0	0	0	0	2	2
Japanese Quail	408	13	0	2	0	1	424
Ring-Necked Pheasant	178	328	212	6	1	104	829
Nepal Kalij Pheasant	133	0	0	0	0	0	133
Chukar Partridge	812	26	302	0	0	6	1,146
Grey Francolin	209	8	0	63	0	217	497
Black Francolin	504	29	0	145	0	0	678
Erckel's Francolin	1,000	343	0	0	42	19	1,404
Wild Turkey	123	0	0	0	0	4	127
Lace-Necked Dove	4	105	0	740	0	54	903
Barred Dove	15	87	0	115	1	158	376
TOTAL	5,333	939	526	1,083	44	565	8,490
(1983 Sum)	8,889	1,140	1,111	206	19	620	11,985
(1982 Sum)	2,342	882	552	148	57	342	4,323

No. of Hunter-Trips	5,871	2,255	749	474	296	385	10,030
Birds/Hunter-Trip	0.91	0.42	0.70	2.28	0.15	1.47	0.85
No. of Hunting Hours	36,737	11,101	3,070	1,818	1,467	1,889	56,082
Hours/Bird	6.89	11.82	5.84	1.68	33.34	3.34	4.56
Hours/Hunter-Trip	6.26	4.92	4.10	3.84	4.96	4.91	3.86

MISCELLANEOUS (NO CHARGE) PERMITS

Type	Quantity
Scientific Collecting Permit	22
Field Trial Permit	22
Permit to Keep Wildlife For Educational Purposes	4
Permit for Entry on Bird Sanctuaries	49
Permit to Keep Birds in Captivity	13
Permit to Take and Destroy Birds or Mammals Causing	63
Damage to Crops or Constituting a Nuisance	481
Permit to Harvest Greenery for Personal Use	260
Hiking/Camping Permit	
TOTAL	914
(1983 Sum)	1,516
(1982 Sum)	1,210

OUTSIDE MONEY RECEIVED

Source	Amount
Forest Product Sales	
Hunting License Sales	\$ 12,354
Other Minor Miscellaneous Sales, Rental and Charges	85,488
Federal Assistance:	64
Cooperative Forestry Assistance Act	268,048
Emergency Watershed Protection (Hurricane Iwa)	380,918
Pittman-Robertson Wildlife Restoration	405,762
Recovery of Indirect Cost	58,637
Late Refund for FY 1982-83's Expenditure	13,310
TOTAL	
(1983 Sum)	\$1,224,581
(1982 Sum)	879,388
	1,134,267

# DIVISION OF STATE PARKS, OUTDOOR RECREATION AND HISTORIC SITES

The Division of State Parks, Outdoor Recreation and Historic Sites administers the state park system, the historic preservation program and the statewide 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.

### Research and Restoration

An advisory committee was organized, the restoration of Iolani Palace and Royal Mausoleum continued, and archaeological and historical research was conducted at four parks during the fiscal period.

An advisory committee was organized in January 1984 to advise the Division on planning the Kealakekua Bay State Historical Park. The 12-member advisory committee has two years to complete the work and shall disband upon the submission of their report to the Board.



The members of the advisory committee for Kealakekua Bay State Historical Park, along with guests and State Parks staff, take time out to visit the Hikiau complex, the scene of several of the events during Captain Cook's stay at Kealakekua Bay in early 1779.

Phase X of the restoration of Iolani Palace State Monument was completed. The gates and fencing were restored during this fiscal year. The contract was executed for phase XI calling for the restoration of and improvements to the palace grounds.

At Royal Mausoleum State Monument, phase IV of the chapel restoration was completed with the restoration of the roof and the work on the interior woodwork. The contract was executed for phase V, the final phase of the chapel restoration.

Archaeological and historical research was conducted for

the planning and development of four state parks. The projects carried out were survey and mapping to inventory the cultural resources of the Napoopoo area of the proposed Kealakekua Bay State Historical Park; the execution of a historical research contract to be used as the basis for archaeological testing and development of a historical resource interpretation program for Kamao Point State Historical Park; archaeological testing to provide background information for the preliminary development of a historical park interpretive program at Halekii-Pihana Heiaus State Monument; and, with the assistance of the Waimea community and interested parties, the continued planning and development of an interpretive program for Russian Fort Elizabeth State Historical Park.

### Historic Preservation Grants-in-Aid

Federal funds totalling \$139,500 were used for survey and planning of historic properties. Eight projects costing \$121,000 were initiated during this period.

Project	Grant Amount
1. Archaeological survey of approximately 1,000 acres of State-owned lands within the boundaries of the Mauna Kea Science Reserve, Hawaii. The Bishop Museum undertook this survey.	\$ 8,600
2. Archaeological survey of approximately 3,875 acres of land owned by Molokai Ranch in southwest Molokai extending from Kaunalo Bay to Laau Point. The Bishop Museum undertook this survey.	\$23,100
3. Archaeological survey of approximately 720 acres of State-owned lands in the Kamaoa-Puueo area of South Point, Hawaii. The Bishop Museum undertook this survey.	\$15,600
4. Archaeological survey of approximately 1,500 acres of State-owned land in Keau Valley in Waianae, Oahu. The Archaeological Consultants of Hawaii undertook this survey.	\$14,700
5. Survey and inventory of public, commercial and ecclesiastical buildings designed by Hart Wood in the State of Hawaii. The Hart Wood Foundation undertook this survey, and prepared an exhibition on Hart Wood's work for display in the Honolulu Academy of Arts.	\$20,000
6. Survey and inventory of all irrigation systems used in the cultivation of sugar and pineapple in the State of Hawaii. The Hawaii Cultural Research Foundation undertook this project.	\$10,000
7. The production of a calendar on the architecture of C.W. Dickey providing the public information on the Department's historic sites inventory. The Hawaii Heritage Center undertook this project.	\$ 5,500

8. The coordinating and accessing of the Bishop Museum archaeological inventory data bases with the State of Hawaii, Historic Sites Section. \$23,500

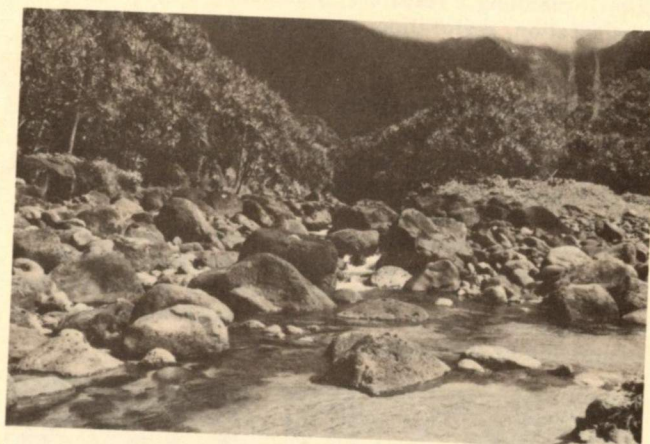
11. For Ahuimanu Hills to undertake archaeological surveys, excavations, and stabilization of the Kahalu'u Taro Lo'i. \$10,000

## 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

In May 1984, 4,985 acres of land were withdrawn from Na Pali-Kona Forest Reserve and set aside by executive order as an addition to Na Pali Coast State Park on Kauai. This park land includes all of the coastline and valley floors from Haena to Milolii, except for the Hono o Na Pali Natural Area Reserve, containing 6,175 acres. It is now the largest park in the state park system.



Hanakapiai Valley was one of the areas withdrawn from the Na Pali-Kona Forest Reserve and set aside as an addition to Na Pali Coast State Park.

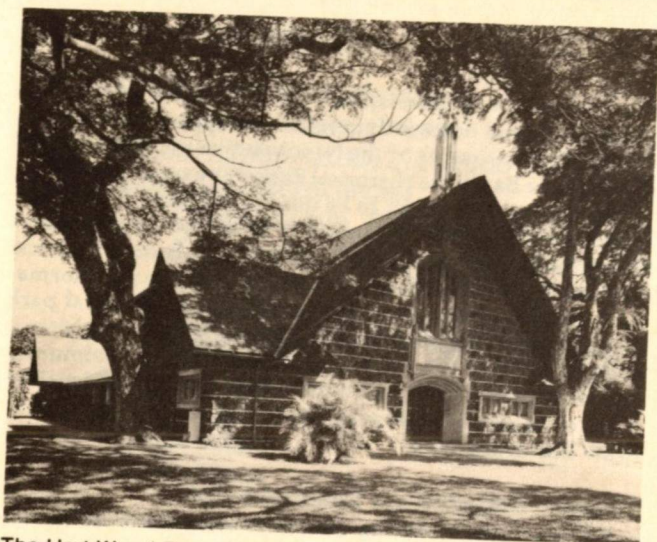
### Research, Planning and Development

A park advisory board was organized, an archaeological research continued and four capital improvement program (CIP) construction projects totalling over \$1.71 million were completed under this program during the fiscal year.

**Kahana Valley State Park.** The Kahana Valley Advisory Board was organized in May 1984 to assist the department in planning for the development and operation of cultural, educational and recreational activities in Kahana Valley State Park. One of the objectives is to study the feasibility of implementing a "living park" concept.

**Na Pali Coast State Park.** Archaeological resources were mapped and recorded at Nualolo Aina and Nualolo Kai within the Na Pali Coast State Park. This project is to inventory the cultural resources in the park, to develop resource management and interpretive programs and to mitigate adverse effects to the cultural resources as they are impacted by park development and use.

**Old Kona Airport State Recreation Area.** A large events pavilion with parking and landscaping was dedicated in September 1983 at the Old Kona Airport State Recreation Area. The new facility was designed to accommodate over 600 people.



The Hart Wood Foundation received a historic preservation grant to conduct a survey and inventory of public, commercial and ecclesiastical buildings designed by the prominent Hawaiian architect, Hart Wood (1880-1957). The First Church of Christ Science of Honolulu built in 1923 was one of the significant buildings to be documented in this survey.

Hawaii received \$317,188 of Federal Historic Preservation Acquisition and Development Grants to be used for the development (rehabilitation) of properties listed on the National Register of Historic Places. Funds were used for eleven projects.

Projects	Grant Amount
1. The Congregation at Kahikolu Church to rehabilitate its church in Napoopoo, Hawaii.	\$10,000
2. The Congregation of St. Benedict's Catholic Church to structurally stabilize their church building in Honaunau, Hawaii.	\$34,688
3. The East Hawaii Cultural Council to complete the rehabilitation of the Hilo Police Station, Hawaii.	\$50,000
4. The Friends of the R.W. Meyer Sugar Mill to continue the restoration of the R.W. Meyer Sugar Mill, Maui, and to undertake archaeological excavations around its foundations.	\$15,000
5. For the Kauai Historical Society to rehabilitate the Kauai County Building.	\$50,000
6. For the Ho'opulapula Haraguchi Rice Mill to reconstruct the Haraguchi Rice Mill in Hanalei, Kauai.	\$32,500
7. For the Wo Hing Society for the rehabilitation of their Society Hall in Maui.	\$25,000
8. For the Bishop Museum to treat Bishop Hall for termite damage in Honolulu.	\$10,000
9. For David Dressel to reroof a portion of the former Governor Carter's Residence in Honolulu.	\$10,000
10. For the Oahu Market Associates, Inc. to rehabilitate the Oahu Market in Chinatown, Honolulu.	\$70,000



The special events pavilion at Old Kona Airport State Recreation Area was dedicated and made available for public use in September 1983.

**Waimanalo Bay State Recreation Area.** A park security residence was completed in December 1983 at Waimanalo Bay State Recreation Area. The structure is designed for security and public safety of the park.

**Puaa Kaa State Wayside.** A comfort station, parking lot and water system were completed in February 1984 at Puaa Kaa State Wayside, a popular rest stop between Kahului and Hana. The improvements were to replace old facilities.

**Aiea Bay State Recreation Area.** About 3 acres of land were cleared, grassed and provided with a parking area and picnic tables at Aiea Bay State Recreation Area. These improvements along the Pearl Harbor shoreline near the mouth of Aiea Stream represent the initial development of the park.



Ground is broken during ceremonies at Aiea Bay State Recreation Area. Shown during the groundbreaking ceremony, which was held on November 12, 1983, are from left, David C. Hulihee, Rear Admiral S.J. Anderson, Mayor Eileen Anderson, Senator Norman Mizuguchi, Muliuffi Hannemann representing Governor George Ariyoshi, Reverend Shoyei Hatta and Rear Admiral R.S. Wentworth, Jr. (ret).

**Design Projects.** Many design projects were completed during the year for future construction. These design projects included the reconstruction of Hanalei Pier on Kauai; a new comfort station, shelters, tables and sewerage improvements at Sand Island State Recreation Area on Oahu; a pavilion at Malaekahana State Recreation Area on Oahu; additional parking and other improvements at Diamond Head State Monument on Oahu; trail and safety improvements at Iao Valley State Monument on Maui; roadway improvements at Kalopa State Recreation Area on Hawaii; sanitary facilities at Na Pali Coast State Park on

Kauai; a comfort station and facilities renovation at Wailoa River State Recreation Area on Hawaii; and a pier construction at Waimea State Recreation Pier on Kauai.

### Repairs and Maintenance

Two major repairs and maintenance (R&M) projects were completed. These projects were the reconstruction of a pavilion at Malaekahana State Recreation Area on Oahu, and the repairs of a fire-damaged vacation cabin at Mauna Kea State Recreation Area on Hawaii. Other R&M projects were also completed at Wainapanapa State Park on Maui; Launiupoko State Wayside on Maui; Wahikuli State Wayside on Maui; and Wailua River State Park on Kauai.

### Federal Assistance Park Development

Federal assistance in park projects were received from the National Park Service, Small Business Administration and the Federal Emergency Management Agency (FEMA). The National Park Service agreed to reimburse one-half of the eligible costs on the \$340,000 comfort station, shelters and table construction project at Sand Island State Recreation Area. The Small Business Administration provided \$60,000 grant to beautify various park areas. FEMA continued to support Hurricane Iwa recovery projects on Kauai and Oahu at a 75% Federal reimbursement share basis for qualified projects. By the close of the fiscal year, FEMA's obligation was over \$100,000.

### Tree Planting Ceremony

Dr. Martin Luther King Jr., a pivotal figure of the civil rights movement, was honored with tree planting ceremonies at the State Capitol lawn on the 9th of January. A kukui tree was planted in Dr. King's honor in the southwest corner of the State Capitol lawn.

## ADMINISTRATION FOR CULTURE AND RECREATION

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.

### Statewide Recreation Planning

**Land and Water Conservation Fund.** During the fiscal year, the State of Hawaii received federal grants from the Land and Water Conservation Fund Program and the Special Jobs Bill Apportionment amounting to \$385,434 for four new projects and \$198,039.50 for three amended projects.

The high recreation needs identified in the Hawaii State Comprehensive Outdoor Recreation Plan were met through the following projects funded in fiscal year 1983-84.

Project	Location	Grant Amount
Lahaina Boat Harbor	Maui	\$ 46,914
Haleiwa Boat Harbor	Oahu	\$101,400
Sand Island State Recreation Area	Oahu	\$174,720
Queen Kapiolani Park	Oahu	\$ 62,400

**State Recreation Functional Plan.** The Recreation Functional Plan, a guide to implement the broad goals and objectives of the Hawaii State Plan, was adopted by the Twelfth State Legislature. The plan provides guidelines of acquiring, developing, conserving, utilizing and managing Hawaii's recreation resources.

## Historic Preservation

**Historic Sites Survey and Registration.** Two historic properties were placed on the Hawaii Register of Historic Places: the Kī'i petroglyphs on Hawaii, and the University of Hawaii at Manoa. These two properties are also being considered to be placed on the National Register of Historic Places.



Portions of the University of Hawaii at Manoa was placed on the Hawaii Register of Historic Places on March 19, 1984. Hawaii Hall pictured above was designed by architect Clinton Ripley. The building was finished in 1912 and was the first permanent building on campus.

**Preservation Reviews.** The review of public and private development's effect on historic properties is time consuming. A total of 802 reviews were made of which approximately 75% involved archaeological sites.

**State Historic Preservation Functional Plan.** This Historic Preservation Functional Plan, a guide to implement the broad goals and objectives of the Hawaii State Plan, was adopted by the Twelfth State Legislature. The plan provides guidelines for activities involved with the preservation of Hawaii's history.

*"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 1983-84

## HISTORICAL AND ARCHAEOLOGICAL PLACES

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
<b>HAWAII</b>					
F-13	Kamehameha I Birthsite State Monument	1978	.5	.5	--- 9/
F-14	Kealahou Bay State Historical Park (Kaawaloa Reserve Area)	1967 (1971)	115.2 (111.3)	.8 (---)	--- 9/ (---) 10/
	(Napoopoo Area)	(1967)	( 3.9)	( .8)	(---) 9/
F-13	Lapakahi State Historical Park	1973	262.0	53.3	68
F-13	Mookini Heiau State Monument	1979	3.2	3.2	--- 9/
H-18	Kamoa Pt. State Historical Park	1980	12.0	---	--- 10/
<b>MAUI</b>					
F-21	Halekii-Pihana Heiaus State Monument	1962	10.2	1.0	.. 53
<b>OAHU</b>					
F-11	Iolani Palace State Monument	1967	11.0	6.5	65
F-23	Puu o Mahuka Heiau State Monument	1962	4.0	3.5	21
F-15	Royal Mausoleum State Monument (Kapena Falls Reserve Area)	1968 (---)	10.0 (---)	3.0 (---)	79 (---)
	(Royal Mausoleum Area)	(1968)	(---)	(3.0)	(---)
F-24	Ulu Po Heiau State Monument	1954	1.4	1.2	4
<b>KAUAI</b>					
F-12	Russian Fort Elizabeth State Historical Park	1972	17.3	10.0	425
<u>Total Parks</u> .....			11	446.8	83.0
					715
<b>OAHU:</b>					
H-21	DAV Keehi Lagoon Memorial	1981	11.1 5/	11.1 5/	--- 9/
H-12	Kamehameha V Post Office	1977	.3 5/	.3 5/	3 12/
F-18	State Capitol Grounds	1969	10.0 5/	5.0	--- 10/
F-25	Washington Place	1966	3.1	3.0	--- 10/
<u>Total Other Areas of State Park Interests</u> .....			4	24.5	19.4
<b>TOTAL HISTORICAL &amp; ARCHAEOLOGICAL PLACES</b> .....			15	471.3	102.4
					718

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1983-84

PARKS RECREATION

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
<b>HAWAII</b>					
F-35	Akaka Falls State Park	1952	65.4	6.0	629
F-75	Hapuna Beach State Recreation Area	1967	300.0 3/	26.8	1019
F-65	Kalapana State Wayside	1974	9.4	---	9/
F-53	Kalopa State Recreation Area	1967	100.0 3/	16.2	58
F-36	Kealakekua Bay State Underwater Park	1971	315.0	---	9/
F-66	Kilauea State Recreation Area	1966	7.3 3/	1.0	9/
F-34	Lava Tree State Monument	1956	17.1	10.0	100
F-77	MacKenzie State Recreation Area	1955	13.1	6.0	90
F-69	Manuka State Wayside	1952	13.4	8.0	77
F-64	Mauna Kea State Recreation Area	1962	20.0 3/	17.0	121
H-47	Old Kona Airport State Recr. Area	1976	103.8	20.4	518
F-58	Wailoa River State Recr. Area	1954	149.7	115.0	600
	(Wailoa Center)	(---)	(---)	(---)	( 55)
	(Happiness Garden)	(---)	( 2.3)	(---)	(112)
	(Wailoa)	(---)	(---)	(---)	(433)
F-33	Wailuku River State Park	1967	81.0 3/	25.0	650
	(Boiling Pots Area)	(1967)	( 71.0)	( 20.0)	(104)
	(Rainbow Falls Area)	(1967)	( 10.0)	( 5.0)	(546)
<b>MAUI</b>					
F-32	Iao Valley State Monument	1961	6.2	5.9	781
F-59	Kaunahina State Wayside	1952	7.8	2.0	530
F-81	Launiupoko State Wayside	1965	5.7	5.7	352
F-73	Makena State Park	1971	111.8	---	9/
F-87	Papalaua State Wayside	1975	6.7	6.7	80
F-67	Polipoli Spring State Recr. Area	1957	2.0 3/	1.0	16
F-59	Puaa Kaa State Wayside	1954	5.0 3/	1.5	492
F-81	Wahikuli State Wayside	1969	8.0	8.0	508
F-55	Waianapanapa State Park	1966	120.0 5/	18.0	274
F-59	Wailua Valley State Wayside	1952	1.5	.5	453
<b>MOLOKAI</b>					
F-60	Palaau State Park	1955	233.7	10.0	186
<b>OAHU</b>					
F-83	Aiea Bay State Recreation Area	1981	10.0 5/	---	9/
F-85	Aina Moana State Recreation Area (Magic Island)	1970	42.7	42.7	611
F-37	Diamond Head State Monument	1962	475.0 4/	8.0	53
F-38	Hanauma Bay State Underwater Park	1969	101.0	---	9/
F-27	Heeia State Park	1977	18.4	8.0	158
F-97	Honolulu Stadium State Recr. Area	1978	9.2	9.2	48
F-72	Kaena Point State Park	1978	661.7 3/	25.0	153
	(Keawaula Area)	(1978)	( 25.0)	(25.0)	(---)
	(Makua Area)	(1978)	(---)	(---)	(---)
	(Windward Area)	(---)	(---)	(---)	(---)
F-57	Kahana Valley State Park	1970	5,093.2	20.0	40
F-88	Kaiaka State Recreation Area	1975	52.8	30.0	117
H-73	Kakaako Waterfront State Recr. Area	1978	3.0	3.0	---
F-48	Keaiwa Heiau State Recr. Area	1955	384.5	22.0	9/
H-70	Malaekahana State Recreation Area	1977	110.0	40.0	303
	(Kahuku Area)	(1983)	( 36.3)	(---)	(---)
	(Kalanai Point Area)	(1977)	( 73.7)	(40.0)	(---)

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1983-84

PARKS RECREATION

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
F-30	Nuuanu Pali State Wayside	1964	5.0 3/	2.5	899
F-51	Puu Ualakaa State Wayside	1957	50.0 3/	12.0	190
H-45	Sacred Falls State Park	1977	1,374.2	10 0	33
F-70	Sand Island State Recreation Area	1970	140.0	83.0	795 15/
---	Sans Souci State Recreation Area	1969	1.0	1.0	110
F-61	Waahila Ridge State Recr. Area	1967	49.9	7.0	108
F-50	Wahiawa Freshwater State Recr. Area	1978	66.0 3/	5.0	165
F-71	Waimanalo Bay State Recr. Area	1970	74.8	36.0	165
H-29	Waimano Gulch State Park Reserve	1980	35.9	---	--- 10/
<b>KAUAI</b>					
F-09	Ahukini State Recreation Pier	1978	1.0 5/	1.0	77
F-74	Haena State Park	1972	61.7	2.0	464
F-46	Kokee State Park	1952	4,345.0	55.0	930 13/
F-80	Na Pali Coast State Park	1962	6,175.0	4.0	54
F-78	Polihale State Park	1967	140.0 3/	50.0	314
F-52	Wahiawa Mauka State Park Reserve	1968	52.3	---	--- 10/
F-54	Wailua River State Park	1954	1,133.4	77.1	3739
	(Fern Grotto Area)	(1954)	( 14.6)	( 14.6)	(862)
	(Lydgate Area)	(1962)	( 45.8)	( 45.8)	(702)
	(Kaumualii Area)	(1962)	( 3.9)	( 3.9)	(136)
	(Marina Area)	(1962)	( 11.4)	( 11.4)	(719)
	(Poliahu Area)	(1962)	(162.2)	( 1.4)	(513)
	(Wailua River Reserve Area)	(1956)	(895.5) 5/	( ---)	(807)
F-39	Waimea Canyon State Park	1952	1,866.4	10.0	1,449
F-82	Waimea State Recreation Pier	1974	1.3 6/	.2	--- 14/
<b>Total Parks .....</b>					
		54	24,238.0	874.4	18,680
<b>OAHU</b>					
F-92	Kahala Heights	1979	28.0	---	--- 10/
H-62	Keehi Lagoon Landfill	1981	10.9 5/	---	--- 10/
F-51	Lower Makiki	1979	.8	.8	--- 9/
F-51	Makiki Environmental Educ. Center	1981	1.0	1.0	8 8/
<b>KAUAI</b>					
H-80	Hanalei Pier	1979	.5 5/	.5 5/	---
<b>Total Other Areas of State Park Interest .....</b>					
		5	41.2	2.3	
<b>TOTAL PARKS RECREATION .....</b>					
		59	24,279.2	876.7	18,688
<b>GRAND TOTAL .....</b>					
		74	24,750.5	979.1	19,406

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1983-84

SUMMARY BY ISLANDS

Island	Total No. Established	Total Acreage	Developed Acreage	Recreation Visits <u>1/</u> (Thousands)
HAWAII .....	18	1,588.1	309.2	3,930
MAUI .....	11	284.9	50.3	3,539
MOLOKAI .....	1	233.7	10.0	186
OAHU .....	25	8,784.7	378.6	4,296
KAUAI .....	10	13,793.4	209.3	7,452
Total Parks .....	65	24,684.8	957.4	19,403
OAHU .....	8	65.2	21.2	3
KAUAI .....	1	.5	.5	—
Total Other Areas of State Park Interest.....	9	65.7	21.7	3
GRAND TOTAL .....	74	24,750.5	979.1	19,406

FOOTNOTES:

1/ 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.

2/ Includes Na Laau Arboretum (9.5 acres).

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

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

5/ Acquired responsibility; acreage is estimated.

6/ No current data available - rough estimate only.

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

8/ First year of field count.

9/ Area is opened to the public - no counts available.

10/ Area is not open to public.

11/ Not applicable.

12/ Kamehameha V Post Office grounds returned to Dept. of Accounting & General Services Jan. 1984. Count for one-half year only.

13/ Includes first year of field count (70,000 visits) for Kokee museum.

14/ Waimea Pier destroyed Nov. 23, 1982 by Hurricane Iwa.

15/ Approximately one-half of campground at Sand Island State Recreation Areas closed from April 25, 1983 through August 11, 1983 for sewer line repairs.

## STATE PARK AND HISTORIC SITE AREAS

Fiscal Years 1952-1984

Year 1/	Areas	Acreage 2/	Revenues	Total	Expenditures		Estimated Recreation Visits	Operating Cost Per Visit
					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	668,5973/	8,545,395	4,627,714	3,917,681	17,246,0004/	23¢
1984....	74	24,751	775,854	5,416,863	1,791,251	3,625,612	19,406,000	19¢

## FOOTNOTES

NA - Not Available

1/ Year ended June 30

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

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

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

## CORRECTIONS to prior years' tables.

Report to the Governor 1981-82, page 53, and Report to the Governor 1982-83, page 50. For the year 1981, change the Estimated Recreation Visits from 15,062,000 to 15,611,000 and the Cost Per Visit from 27.2¢ to 26.2¢

STATE PARK REVENUES AND EXPENDITURES

Fiscal Year 1983-84

Island	Revenues	Total	Expenditures		Operating Cost Per Visit
			Capital Improvements	Operating	
Hawaii	\$ 64,933	\$ 966,293	\$ 367,454	\$ 598,839	15¢
Kahoolawe	---	---	---	---	---
Kauai	423,147	506,129	34,708	471,421	6¢
Maui	75,371	353,676	103,025	250,651	7¢
	---	242,931f	242,931f	---	---
Molokai	---	20,162	---	20,162	11¢
Oahu <u>1/</u>	212,403	2,833,925	680,046	2,153,879	53¢
	---	292,593f	161,933f	130,660f	---
Statewide <u>2/</u>	---	2,369	2,369	---	---
	---	198,785f	198,785f	---	---
<hr/>					
TOTAL .....	\$775,854	\$4,682,554	\$1,187,602	\$3,494,952	19¢
	---	734,309f	603,649f	130,660f	---
<hr/>					
Program					
<hr/>					
Historical & Archaeological Places	\$187,141	\$1,318,109	\$ 531,994	\$ 786,115	\$1.10
	---	201,097f	201,097f	---	---
Parks Recreation	588,713	2,953,330	654,548	2,298,782	12¢
	---	402,552f	402,552f	---	---
General Administration for Culture and Recreation	---	411,115	1,060	410,055 <u>1/</u>	---
	---	130,660f	---	130,660f <u>1/</u>	---
<hr/>					
TOTAL .....	\$775,854	\$4,682,554	\$1,187,602	\$3,494,952	---
	---	734,309f	603,649f	130,660f	---

FOOTNOTES:

- f Expenditure from federal grant funds.
- 1/ Includes Honolulu Administration Office.
- 2/ Projects of general statewide significance.

## CAPITAL IMPROVEMENT EXPENDITURES 1/

Fiscal Year 1983-84

## HISTORICAL &amp; ARCHAEOLOGICAL PLACES

Project	Description	Acquisition	Research and Planning	Design	Construction	Total
(in thousands of dollars)						
HAWAII						
H-11	Hulihee Palace 2/	----	14.4	----	----	14.4
H-18	Kamoa Point State Historical Park 2/	----	4.9	----	----	4.9
F-14	Kealakekua Bay State Historical Park 2/ (Napoopoo Area)	(-----)	( 8.9)	(-----)	(-----)	( 8.9)
F-13	North Kohala State Park Complex 2/ (Lapakahi State Historical Park) (North Kohala-General)	(-----)	1.7 (-----) ( .3 (-----) ( 1.4)	----- (-----) (-----)	174.7 (174.7) (-----)	176.4 (175.0) ( 1.4)
MAUI						
H-13	Hale Pa'i (Printing House) Restoration 2/	----	3.5	----	----	3.5
F-21	Halekii-Pihana Heiaus State Monument 2/	----	3.9	5.8	----	9.7
OAHU						
F-11	Iolani Palace State Monument 2/	----- -----	6.3 -----	----- -----	93.3 2.3f	99.6 2.3f
F-23	Puu o Mahuka Heiau State Monument 2/	----	4.4	2.6	2.3	9.3
F-15	Royal Mausoleum State Monument 2/ (Royal Mausoleum Area)	(-----)	1.7 ( 1.7)	1.5 ( 1.5)	193.2 (193.2)	196.4 (196.4)
F-24	Ulu Po Heiau State Monument 2/	3.2	-----	-----	-----	3.2
KAUAI						
F-12	Russian Fort Elizabeth State Historical Park 2/	----	5.7	----	----	5.7
STATEWIDE						
F-10	Statewide Historic Preservation Program (Inventory/Survey/ Plan/Grants Program)	----	35.5f	----	163.3f	198.8f
TOTAL HISTORICAL & ARCHAEOLOGICAL PLACES		3.2 -----	55.4 35.5f	9.9 -----	463.5 165.6f	532.0 201.1f

## CAPITAL IMPROVEMENT EXPENDITURES 1/

Fiscal Year 1983-84

## PARKS RECREATION

Project	Description	Acquisition	Research and Planning	Design	Construction	Total
(in thousands of dollars)						
HAWAII						
F-35	Akaka Falls State Park 2/	----	----	----	1.0	1.0
F-53	Kalopa State Recreation Area 2/	----	----	----	.3	.3
H-47	Old Kona Airport State Recreation Area 2/	----	----	----	158.0	158.0
F-58	Wailoa River State Recreation Area 2/	----	----	3.4	.1	3.5
MAUI						
F-59	Hana Road Waysides 2/ (Puua Kaa State Wayside)	---- (-----)	.5 (.5)	---- (-----)	26.8 (26.8)	27.3 (27.3)
F-32	Iao Valley State Monument 2/	----	----	2.1	3.9	6.0
F-73	Makena State Park 3/	54.3 242.9f	---- ----	2.3 ----	---- ----	56.6 242.9f
OAHU						
F-37	Diamond Head State Monument 2/	----	.1	1.6	2.5	4.2
F-27	Heeia State Park 2/	6.7f	----	----	----	6.7f
H-73	Kakaako Waterfront State Recreation Area 2/	----	----	1.0	15.4	16.4
F-51	Makiki Environmental Education Center 2/	----	----	----	.7	.7
F-72	Kaena Point State Park 2/	6.1	.3	6.2	----	12.6
H-70	Malaekahana State Recrea. Area 2/ (Kahuku Area)	74.7f (74.7f)	---- (-----)	---- (-----)	---- (-----)	74.7f (74.7f)
F-83	Aiea Bay State Recr. Area 2/	7.2 4.4f	---- ----	.5 ----	23.1 ----	30.8 4.4f
F-70	Sand Island State Recr. Area 2/	---- ----	---- 2.0f	---- 7.0f	198.0 64.8f	198.0 73.8f
F-71	Waimanalo Bay State Recr. Area 2/	----	----	.9	107.9	108.8
KAUAI						
H-80	Hanalei Pier 2/	----	5.7	4.8	----	10.5
F-80	Na Pali Coast State Park 2/	----	13.6	1.0	1.6	16.2
F-82	Waimea State Recr. Pier 2/	2.1	----	.1	----	2.3
STATEWIDE						
H-09	Statewide Minor Park Improvements	----	----	1.3	----	1.3
TOTAL PARKS RECREATION .....						
		69.7 328.7f	20.2 2.0f	25.2 7.0f	539.4 64.8f	654.5 402.5f

STATE PARK AND HISTORIC SITE REVENUES

Fiscal Year 1983-84

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GENERAL ADMINISTRATION FOR CULTURE AND RECREATION

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STATEWIDE

F-05	State Comprehensive Outdoor Recreation Plan	----	1.1	----	-----	1.1
<hr/>						
TOTAL GENERAL ADMINISTRATION FOR CULTURE AND RECREATION .....		----	1.1	----	-----	1.1
<hr/>						
<hr/>						
TOTAL ALL STATE PARK AND HISTORIC SITE AREA EXPENDITURES .....		72.9 328.7f	76.7 37.5f	35.1 7.0f	1,002.9 230.4f	1,187.6 603.6f

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FOOTNOTES:

f Expenditure from federal funds.

1/ CAPITAL IMPROVEMENT EXPENDITURES include State and Federal funds.

2/ Existing - An operating park, historic site, monument or other areas.

3/ Planned - For a park, historic site, monument or other area - lands acquired or acquisition underway; initial development, restoration or preservation underway; other projects underway.

4/ Possible - Future park, historic site, monument, or other area under consideration.

STATE PARK AND HISTORIC SITE REVENUES

Fiscal Year 1983-84

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Income Source	
<hr/>	
Rentals, recreation residence lots (Kokee and Waimea Canyon State Parks)	\$ 37,651
Rentals, vacation cabins and lodgings, State operated (all parks)	137,178
Lease of concessions (Kokee and Wailua River State Parks, Kauai)	130,071
Mooring fees (Wailua River State Park Marina, Kauai)	17,206
Sale of water (Kokee)	4,680
Admission fees (Iolani Palace)	187,141
Commissions & sales, misc., all islands (firewood, timber, public phones, filming, photography, other) <u>1/</u>	31,840
Sale of publications	0
Transportation services (Wailua River State Park Marina, Kauai)	227,686
Rentals, other recreation areas (Kona Airport and Heeia State Parks)	2,401
<hr/>	
TOTAL .....	\$775,854
<hr/>	

FOOTNOTES:

1/ Income for filming in State Park areas are also being reported by the Division of Land Management in the Public Trust Land Proceeds Table.

# DIVISION OF WATER AND LAND DEVELOPMENT

The Division of Water and Land Development administers the State's programs in water resources management, mineral resources assessment, flood prevention and control, water development, and irrigation services. Also, the Division provides engineering services to other divisions of the Department.

Highlights of the 1983-84 fiscal year activities were the inauguration of the Division's instream use protection program for Windward Oahu and the accompanying processing of applications for stream channel alteration permits; the assessment of areas with geothermal potential or possible designation as geothermal resource subzones, as mandated by Act 296, SLH 1983; the adoption by the Legislature of the Water Resources Development Functional Plan as a planning tool for the State water-related programs and projects; the exploratory drilling of new ground-water wells in Mililani, Oahu; the initiation of a project feasibility and site selection study for a prototype desalting plant on Oahu; and the preparation of a comprehensive computer-based file on streamflow information.

The Division continued its on-going activities to gather basic hydrologic and climatological data; assess the availability of water resources; regulate ground-water withdrawals from the Pearl Harbor, Honolulu, and Waialua ground water control areas; monitor geothermal well drilling in Puna, Hawaii; and provide irrigation water services at Waimanalo (Oahu), Waimea (Hawaii), and Hooilehua (Molokai).

## WATER RESOURCES MANAGEMENT PROGRAM

Activities in water resources management include collection of climatological and hydrologic 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 Assessments

The collection and dissemination of climate-related data—including rainfall, temperature, evaporation, wind, humidity, and solar radiation—continue to be a primary activity. During the year, the placement of the State's rainfall records in a computer datafile was completed and an updating of the file to incorporate 1983 observational data is underway. A study on evaporation initiated during the previous fiscal year is continuing and a report is planned for publication in the coming year.

A study evaluating the statewide network of climate observation stations was completed during the fiscal year.

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 82 measuring stations; low flows were measured periodically on 20 streams; flood discharges were obtained from 66 crest-stage gages; water levels, specific conductance, and chloride concentrations of ground water were measured at about 160 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 accessibility to computers for storage and analysis of streamflow data, the Division entered into a cooperative project with the USGS in 1983 to expand the presentation of surface water information beyond the basic data routinely published in the annual report series. The project was to develop statistical summaries of stream discharge records and tabulations of surface water quality data for all long-term stream gaging stations in the state. The project was completed during fiscal year 1983 and culminated in the compilation of three types of information: station list and general information, data and statistical tables, and station location maps. The compilation consists of six volumes which will be made available upon request for reference or as reproduced copies by the Division.



Surface water flow being measured under the Division's cooperative stream-gaging program with the U.S. Geological Survey.

### Water Resources Planning

The adoption by the State Legislature of the Functional Plan on Water Resources Development was the focus of planning activities for the year. Required under the Hawaii State Planning Act, the State Water Resources Development Functional Plan is the critical link between the broad goals and policies of the Hawaii State Plan and the specific water-related programs and projects carried out by the Department and other State and County agencies. The Act requires that the Water Resources Development Functional Plan be used as a guide in structuring water-related programs and projects, with accompanying requests for the allocation of resources, such as staff positions, dollars, and support facilities and equipment.

### Regulation of Water Development and Use

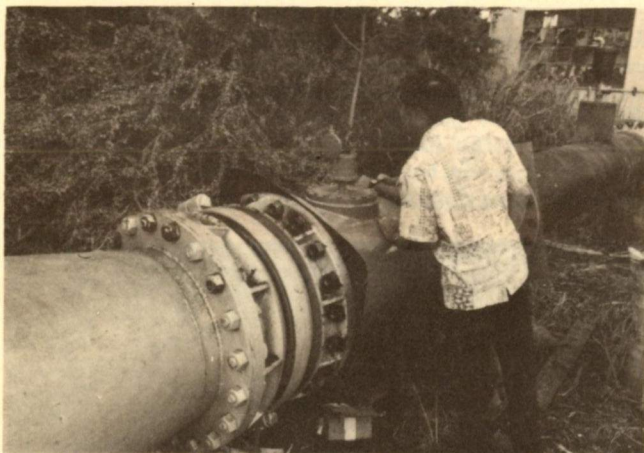
Regulatory activities involved the processing of applications for development and use of ground waters in the designated Pearl Harbor, Honolulu, and Waialua Ground Water Control Areas. As applications for permits are received, they are recorded, reviewed in the field and office by technical personnel,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

Given consideration during the year was a proposal to divide the Pearl Harbor Ground Water Control Area into its various hydrologic subzones to facilitate regulation. This proposal is being studied further. Also under study are other ground-water basins in the state to assess their need

for regulatory designation due to intensifying land development activities.

During the fiscal year, the Division continued to lend support to the Advisory Study Commission on Water Resources, a 13-member body created by the Legislature to formulate a comprehensive water code for the State. The Chairperson of the Board of Land and Natural Resources sits as a member of the Commission and the Division, as the State's water agency, plays a contributory role in making water resources information available to the Commission.

Impaneled in 1982, the Commission submitted an interim report of its accomplishments to the 1984 Legislature and will be submitting a proposed state water code to the 1985 Legislature.



The metering of ground-water withdrawals is an important element of the Department's ground water use control program.

### Protection of Instream Uses

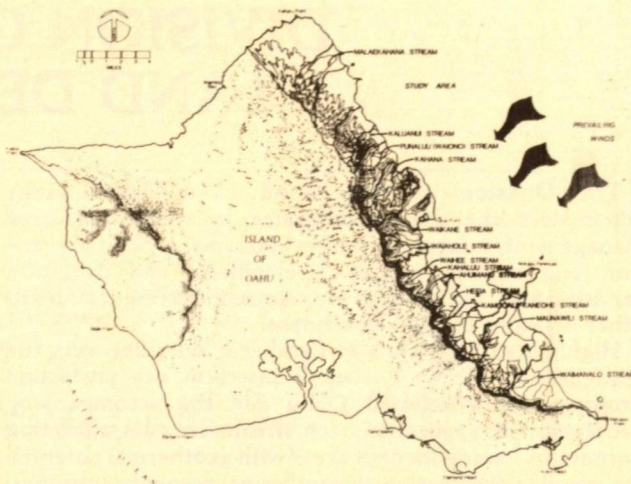
The Division began the task of implementing the provisions of the Hawaii Instream Use Protection Act of 1982 by means of Administrative Rule 13-167. This Act directs the Department to develop and administer an instream flow protection program, establish interim and permanent streamflow standards, and develop and implement a permit system for stream channel alterations in Windward Oahu.

Initial tasks included the formulation of a program implementation plan, development of the stream channel alteration application/permit system, preparation of base maps for Windward Oahu streams, inventorying of available instream use data and information sources, and initiation of baseline research to supplement the Windward Oahu Instream Study completed in 1983.

By June 30, 1984, the program staff had received and processed five applications for stream channel-alteration permits for Windward Oahu. Proposed channel alterations included maintenance dredging of a siltation pond, clearing of vegetation and debris from stream channels to prevent localized flooding, and construction of lined channels to control regional flooding. All applications submitted were approved by the Board and permits were accordingly issued.

Petitions to establish interim flow standards for streams in Punaluu, Kahana, Kaaawa, Kualoa, and Hakipuu are presently under review. The Division is considering establishing interim standards for other streams in Windward Oahu that also need protection or enhancement.

During the first year of program implementation, it became apparent that a considerable amount of baseline research and survey work, including data collection and field verification, was necessary to fully identify beneficial instream uses, quantify their streamflow requirements, and establish streamflow standards to sustain these uses.



Windward Oahu streams have been targeted for examination under the Hawaii Instream Use Protection Act.

### Administration of Soil and Water Conservation Districts

The Division continues to provide administrative services to the fifteen Soil and Water Conservation Districts in the State. 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 districts. Requests for conservation plans are received by the districts from the individual cooperators and reviewed by the directors; priorities are established; conservation plans are prepared with the assistance from the U.S. Soil Conservation Service; and plans approved by the districts are implemented by the cooperators. The districts have been actively discussing for implementation the priorities contained in their long-range planning report, "Hawaii Soil and Water Conservation Program". The districts have also been actively evaluating the Federal "Section 208" water quality management plan for the state.

## MINERAL RESOURCES PROGRAM

The Mineral Resources Program during the year focused on designating potential geothermal resource areas in the state and on conserving the state's supply of mineral resources.

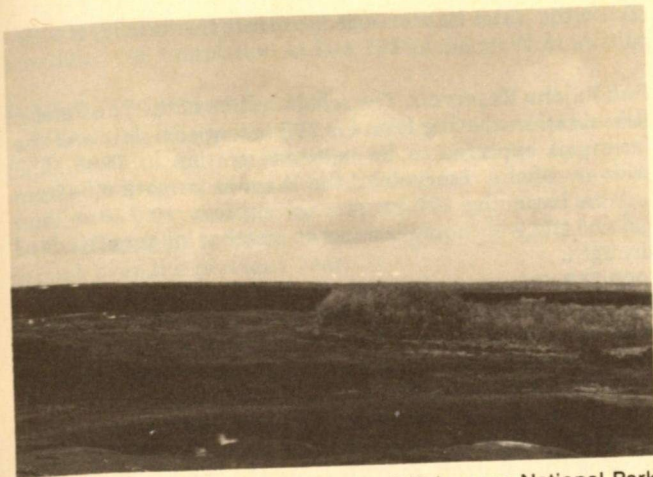
### Designation of Geothermal Resource Subzones

The Legislature passed Acted 296, SLH 1983, relating to the designation of geothermal resource subzones. The Act authorized the Board of Land and Natural Resources to conduct statewide assessments of areas with geothermal potential for the purpose of designating geothermal resource subzones.

In May 1984, Act 296 was amended to clarify the rights of lessees holding both State geothermal mining leases and County special use permits and to further specify the roles of the State and county governments in the administration of geothermal development within geothermal resource subzones.

During the year, the Department formed a technical committee and proceeded to perform its task of assessing areas considered to possess geothermal potential utilizing currently available geo-technical information. Five sites on the island of Hawaii and two on the island of Maui were identified by the committee to have high probability of geothermal resources with the potential for producing electrical energy.

Based on this assessment and criteria set forth in Act 296, public hearings will be scheduled for the proposed geothermal subzone designation. The designation of subzones is expected to be completed in fiscal year 1984-85.



Lands of Kahaualea bordering Hawaii Volcanoes National Park are being studied for possible designation as a Geothermal Resource subzone.

### Regulation of Geothermal Well Drilling

The Department continues to administer State laws and rules concerning the exploration for geothermal resources. During the year a drilling permit was issued by the Board of Land and Natural Resources to Barnwell Geothermal Corp. for an exploratory well, Lanipuna No. 6. Drilling permits issued in previous years for other wells, Lanipuna No. 1, Kapoho State No. 1 and Kapoho State No. 2 have since expired.

Field inspections were conducted at all well sites to ensure compliance with regulatory requirements. In addition, activities at the Lanipuna No. 6 well and the experimental HGP-A well power plant facility were monitored during the year.

### Inventory of Mineral Production

As in past years, the Division canvassed mineral producers in the state and maintained an up-to-date inventory of mineral resources 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.

## FLOOD PREVENTION AND CONTROL PROGRAM

Activities of the flood prevention and control program include managing the use of flood plains, coordinating government actions in flood prevention and control, dam safety inspections, and stream maintenance.

### Flood Plain Management

The Division continued flood plain management activities under grants from the Federal Emergency Management Agency. Through a cooperative agreement, the Division developed a three-volume report entitled "Flood Control and Flood Water Conservation in Hawaii". This report provides an overview of flood control in Hawaii and describes specific programs, projects, agencies, and legislation.

During the coming year, the Division plans to carry out Community Assistance and Program Evaluations with the four counties. Flood hazard areas on all counties have already been mapped and the counties have adopted ordinances for controlling developments within flood plains. Maps and ordinances are available at the Division and the respective counties for use by the general public.

### 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 damages and stream maintenance problems were monitored and investigated. Flood damage assessments were provided for major flood disasters, and reports were published.

### Coordination of Dam Safety Inspection

The Division continued to coordinate the State's dam safety inspection program. As a part of its national program, the U.S. Army Corps of Engineers investigated and prepared reports on 54 high hazard dams and reservoirs in Hawaii. A bill to establish a State dam safety program was introduced in the 1984 session of the Legislature to carry on the federally initiated program; the bill will be re-introduced for consideration in the next legislative session.

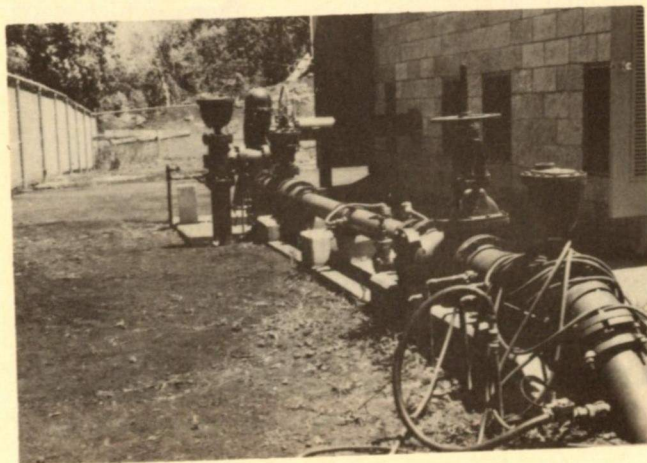
### Coordination of Stream Maintenance

The Division continued to meet with the public works engineers of the four counties to clarify the issue of stream maintenance responsibility. State-owned streams will be maintained by the State. Amendments to the Hawaii Revised Statutes will be submitted at the next legislative session to clarify and unify the four counties' responsibilities.

## WATER DEVELOPMENT PROGRAM

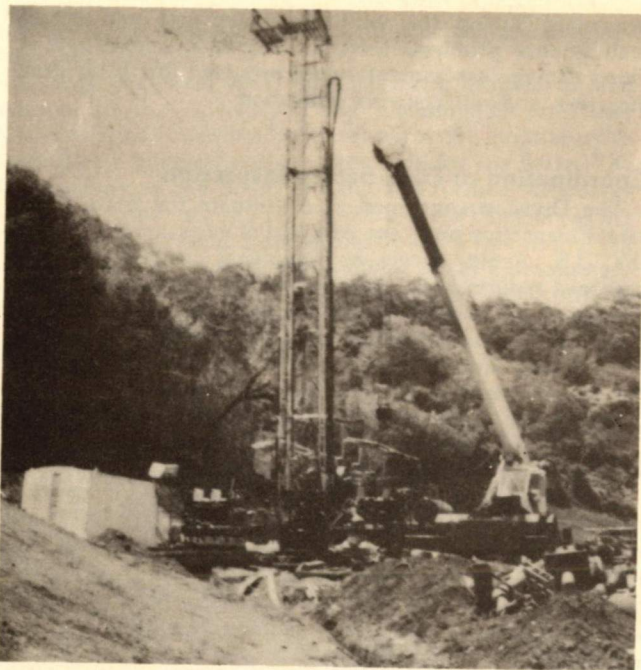
Projects undertaken in this program consisted of the exploration for ground-water sources and the construction of water facilities for the various county municipal systems and State irrigation systems, as follows:

1. The drilling of a 14-inch well, 1160 feet deep, in Holualoa, Hawaii.
2. The drilling of an 8-inch well, 330 feet deep, in Keanae, Maui.
3. The installation of a 700-gpm pump, the construction of a 500 thousand gallon steel tank, and the installation of 300 lineal feet of 8-inch pipeline in Anahola, Kauai.



Fresh water withdrawn from this completed deep well will soon be delivered to consumers in nearby Anahola, Kauai.

4. The initiation of drilling of the first of three 18-inch wells, each approximately 1170 feet deep, in Mililani, Oahu.



New wells are being drilled to augment Mililani Town's existing water supply system.

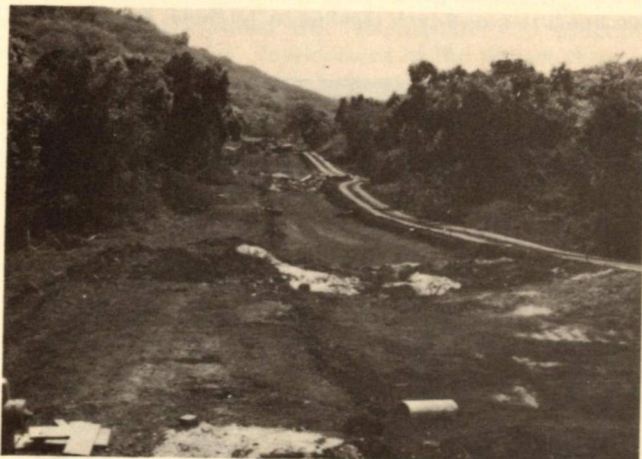
## ENGINEERING SERVICES PROGRAM

The Engineering Services Program involves the design and development of agricultural parks and other projects.

### Agricultural Parks

The Division was actively involved in projects to develop water sources and delivery systems in support of agriculture.

**Waimanalo Agricultural Park.** The construction of roadways, a new bridge, waterlines, and drainage facilities for the Waimanalo Agricultural Park is scheduled to be completed in late 1984. The project will result in the creation of 14 additional farm lots in Waimanalo ranging in size from 5.6 acres to 10.7 acres.



Roadway construction underway for the Department's new agricultural park in Waimanalo.

**Maunawili Ditch.** A major project is the rehabilitation of the Maunawili Ditch, which is the principal water delivery facility serving the farmlots in Waimanalo Valley. Plans are also underway to acquire the Maunawili watershed, the irrigation system's source of water supply, in order to

secure the water rights needed to insure the viability of agriculture in Waimanalo.

**Puu Pulehu Reservoir.** The rehabilitation of the Puu Pulehu Reservoir on the Big Island is 75 percent complete and the facility is expected to be in full operation in 1985. The addition of the reservoir to the Waimea Irrigation System will increase the system storage capacity to 120 million gallons and will enable farmers to weather longer periods of drought.

**Kahuku and Waiahole Agricultural Parks.** The Division assisted the Department of Agriculture and the Hawaii Housing Authority in administering the consultant services contract for the planning of the Kahuku agricultural park and the design of the Waiahole agricultural park. When completed, the Kahuku agricultural park will provide 24 lots ranging in size from 5 to 10 acres and the Waiahole agricultural park will develop 47 lots of various sizes totaling 377 acres.

### Land Development

**Waikiki Seawall.** The third phase of the reconstruction of the seawall-walkway along Waikiki Beach will soon commence and is expected to be completed in March 1985. The proposed improvements will provide a safer walkway for residents and beach-goers.

**Kona Marshalling Yard.** Plans are underway to acquire a parcel of land in Honalo, North Kona, for a farm produce marshalling yard. The marshalling yard would be used as a transfer point where produce from local farms could be brought to and consolidated for bulk shipment to Kawaihae Harbor for subsequent trans-shipment to the Honolulu market.

**Oahu Baseyard.** Preliminary planning for a proposed Departmental baseyard on Oahu was initiated. Suitable sites on the island were investigated and the relative priority of each of the sites were established. A final selection of the baseyard site is expected to be made in late 1984.

## IRRIGATION SERVICES PROGRAM

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

### Waimanalo Irrigation System

During the year the Waimanalo Irrigation System serviced 110 truck farmers and the University of Hawaii Agricultural Research Station. The total area served was 974 acres. Crops grown included banana, truck crops, corn, and floral and foliage plants. Weather conditions were generally dry throughout the year, with rainfall amounting to 31.27 inches as compared to last year's total of 46.74 inches. This year the system delivered 135,575,000 gallons of water compared to 122,623,000 gallons served last year.

The antiquated water collection system includes four reservoirs, miles of open ditches, and 52 wooden flumes, and requires continual repair to maintain a steady supply of water throughout the year.

Emergency plans for services for a possible public workers strike and a prolonged period of drought were formulated earlier in the year. Although the public workers strike was averted, services for the drought condition were carried out.

During the year, application of a new herbicide in a test plot was conducted to determine the effectiveness of the herbicide on aquatic vegetation. The results were positive, and the herbicide will be considered in the maintenance of the system's waterways.

Phase I of the Waimanalo Agricultural Park project is scheduled for completion in late 1984.

### **Waimea Irrigation System**

The Waimea Irrigation System serviced 71 farmlots in the Lalamilo, Puukapu, and Hawaiian Homes sections. Approximately 394 acres of cultivated farmland were irrigated during the year, consuming 464,068,000 gallons of water. This reflects an increase in consumption of 137,110,000 gallons over the previous year.

The Lalamilo section's 33 farmlots used 358,937,000 gallons of water, a 92,481,000-gallon increase over the previous year, to irrigate 278 acres of vegetables and greenhouse flowers (roses and carnations). During the year, the area received 14.87 inches of rain, with 7.24 inches falling in one day, causing extensive flooding and crop damage.

The Puukapu section used 55,827,000 gallons of water to irrigate 99 acres for vegetable crops. Two farmlots were added to the system during the year, making a total of 15 farmlots receiving water service. Cultivated acreage increased by 7 acres, to a total of 99 acres. A 32,413,000-gallon increase in water consumption from the previous year was experienced. Total rainfall in this section was 33.58 inches.

The Hawaiian Homes section used 49,303,000 gallons of water to irrigate 101 acres of farmland for vegetable crops production. The number of farmlots increased from 96 to

101. This section is adjacent to the Puukapu section, and climatic conditions are similar. During the year, the Waimea Irrigation System encountered dry weather conditions that required 10 days of irrigation restrictions in March.

The Puu Pulehu reservoir and pipeline project was initiated. Also initiated was an emergency flume repair project for the Upper Hamakua Ditch, the system's primary transmission facility.

### **Molokai Irrigation System**

The Molokai Irrigation System services a total of 3,901 cultivated acres, with pineapple (3,027 acres) being the principal irrigated crop. During the year, there was an increase in the acreage of farmland devoted to diversified crops and horticulture.

The major crops were watermelon, green beans, onions, bell peppers, and sweet potatoes. Additional crops included sweet corn, cucumber, eggplant, tomatoes, ginger root, papaya, pumpkin, squash, banana, alfalfa, and dry grass hay. The seed corn operation in the Palaau and Naiwa areas was increased in acreage.

During the year, the inside berm of the Kualapuu Reservoir was cleared of haole koa and other shrubbery, and cleaning of the outside berm is scheduled for the coming year. Also, a third 16-inch strainer was installed at the outlet structure.

# IRRIGATION WATER SALES

## WAIMANALO IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1983					
July	16,003,009	974.032	\$ 2,435.21	\$ 1,280.27	\$ 3,715.48
August	14,801,370	974.032	2,435.21	1,184.08	3,619.29
September	13,890,886	974.032	2,435.21	1,111.27	3,546.48
October	11,022,910	974.032	2,435.21	881.84	3,317.05
November	9,445,779	974.032	2,435.21	775.65	3,190.86
December	5,484,248	974.032	2,435.21	438.73	2,873.94
1984					
January	5,295,635	974.032	2,435.21	423.72	2,858.93
February	5,870,372	974.032	2,435.21	469.64	2,904.85
March	12,124,041	974.032	2,435.21	969.94	3,405.15
April	12,069,798	974.032	2,435.21	965.60	3,400.81
May	16,720,260	974.032	2,435.21	1,337.63	3,772.84
June	12,845,341	974.032	2,435.21	1,027.63	3,462.84
Total	135,574,649		\$29,222.52	\$10,846.00	\$40,068.52

## MOLOKAI IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1983					
July	101,650,000	3,778	\$ 7,152.35	\$ 8,132.00	\$ 15,284.35
August	92,443,000	3,792	7,164.45	7,395.44	14,559.89
September	123,922,000	3,799	7,175.45	9,914.76	17,089.21
October	87,086,000	3,807	7,183.15	6,966.88	14,150.03
November	77,074,000	3,865	7,264.00	6,165.92	13,429.92
December	88,524,000	3,871	7,251.35	7,081.92	14,333.27
1984					
January	47,441,000	3,878	7,261.15	3,795.28	11,056.53
February	53,645,000	3,878	7,259.05	4,291.60	11,550.65
March	58,867,000	3,883	7,267.95	4,709.36	11,977.31
April	68,463,000	3,893	7,275.05	5,477.04	12,752.09
May	92,689,000	3,903	7,292.05	7,415.12	14,707.17
June	119,733,000	3,901	7,284.35	9,578.64	16,862.99
Total	1,011,537,000		\$86,830.45	\$80,922.96	\$167,753.41

# WAIMEA IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<u>LALAMILO SECTION</u>					
1983					
July	33,935,991	278	\$ 625.50	\$ 2,116.61	\$ 2,742.11
August	40,683,549	278	625.50	2,476.66	3,102.16
September	32,281,900	278	625.50	2,025.50	2,651.00
October	28,417,535	278	625.50	1,816.74	2,442.24
November	32,662,410	278	625.50	2,068.52	2,694.02
December	24,847,790	278	625.50	1,613.82	2,239.32
1984					
January	17,626,370	278	625.50	1,197.45	1,822.95
February	25,850,870	278	625.50	1,682.14	2,307.64
March	26,797,000	278	625.50	1,744.61	2,370.11
April	26,490,305	278	625.50	1,710.68	2,336.18
May	32,708,880	278	625.50	2,064.64	2,690.14
June	36,634,990	278	625.50	2,268.59	2,894.09
Subtotal	358,937,590		\$ 7,506.00	\$22,785.96	\$30,291.96
<u>PUUKAPU SECTION</u>					
1983					
July	3,242,040	92	\$ 207.00	\$ 229.47	\$ 436.47
August	6,493,430	92	207.00	435.55	642.55
September	4,719,970	92	207.00	330.82	537.82
October	2,024,307	94	211.50	146.84	358.34
November	3,052,738	94	211.50	219.16	430.66
December	4,025,885	94	211.50	285.59	497.09
1984					
January	3,551,310	94	211.50	250.43	461.93
February	2,470,840	94	211.50	178.81	390.31
March	6,550,630	94	211.50	452.83	664.33
April	4,371,100	94	211.50	293.42	504.92
May	7,594,880	99	222.75	508.66	731.41
June	7,730,110	99	222.75	524.33	747.08
Subtotal	55,827,240		\$ 2,547.00	\$ 3,855.91	\$ 6,402.91
<u>HAWAIIAN HOMES SECTION</u>					
1983					
July	2,235,262	96	\$ 216.00	\$ 161.03	\$ 377.03
August	4,743,329	97	218.25	325.21	543.46
September	4,031,719	97	218.25	283.64	501.89
October	1,805,475	97	218.25	132.43	350.68
November	3,884,015	97	218.25	272.29	490.54
December	3,379,430	97	218.25	238.47	456.72
1984					
January	3,530,170	97	218.15	247.24	465.39
February	2,643,915	97	218.25	190.03	408.28
March	6,257,640	97	218.25	419.69	637.94
April	3,970,010	101	227.25	280.61	507.86
May	6,643,845	101	227.25	439.18	666.43
June	6,178,340	101	227.25	419.31	646.56
Subtotal	49,303,150		\$ 2,643.75	\$ 3,409.13	\$ 6,052.78
Total	464,067,980		\$12,696.75	\$30,051.00	\$42,747.65

STATUS OF CONSTRUCTION PROJECTS

Job No.	Description	Cost of Project	Starting Date	Completion Date	Contractor
<u>WATER PROJECTS</u>					
2-HW-18	Rehabilitation of Puu Pulehu Reservoir & Pipeline, Waimea Irrigation System, Waimea, Hi.	\$ 875,443.00	11/23/83	11/17/84*	Jas. W. Glover, Ltd.
3-9W-47	Improvements to Kualapuu Reservoir, Molokai Irrigation Project Molokai, Hawaii	49,749.00	4/30/84	10/26/84*	Friendly Isle Contracting & Equip., Inc.
4-OW-24X	Repairs to Irrigation Flumes, Waimanalo Irrigation System, Waimanalo, Oahu, Hawaii	14,860.00	8/1/83	9/1/83	G&E Builders, Ltd.
4-OW-27	Waimanalo Watershed Project, Solid Waste Collection Site, Waimanalo, Oahu, Hawaii	144,935.00	6/27/84	12/23/84*	Delta Construction Corp.
4-OW-29	Drilling Mililani-Mauka Exploratory Wells, Oahu, Hawaii	2,218,160.00	4/23/84		Water Resources Int'l. Inc.
8-HW-50	Drilling Holualoa Well (3657-01) Holualoa, North Kona, Hawaii	546,610.00	9/20/82	8/30/84*	Water Resources Int'l. Inc.
12-KW-18	Makaleha Well (0622-02), Kapaa Homestead, Kauai, Hawaii	289,490.00	6/28/82	8/10/83	Roscoe Moss Company
35-MW-37	Drilling Keanae Well (5108-01) Keanae, Maui, Hawaii	144,895.00	12/19/83	4/20/84	Roscoe Moss Company
51-KW-25	Pump & Tank, Anahola Farmplot Subdivison, Anahola, Kawaihau, Kauai, Hawaii	611,960.00	11/1/82		Briant Construction
<u>STATE PARKS PROJECTS</u>					
5-OP-35	Demolition & Clearing, Rainbow (Aiea) Bay State Park, Aiea, Oahu, Hawaii	\$ 80,214.30	11/1/82		Royal Contrg. Co., Ltd.
5-OP-42	Park Security Residence, Waimanalo Bay State Recreation Area, Waimanalo, Oahu, Hawaii	146,414.62	4/18/83	12/8/83	Sandwich Is. Const., Ltd.
5-OP-45	Reconstruction of Park Pavilion Malaekahana State Recreation Area, Laie-Kahuku, Oahu, Hawaii	96,060.00	1/16/84	8/31/84*	Robert McMullan & Son, Inc.
23-HP-20A	Park Pavilion, Kona Airport State Park, Kailua, No. Kona, Hi.	1,243,004.41	9/1/82	2/13/84	Constructors Hawaii, Inc.
36-MP-25	Comfort Station & Parking Lot, Puua Kaa State Wayside, Koolau, Maui, Hawaii	160,511.40	12/20/82	5/31/84	DNL Construction, Inc.
46-OP-20	Sand Island State Park, Phase III, Inc. 2 & Fencing, Honolulu, Oahu, Hawaii	798,574.59	4/12/82	7/20/83	Oahu Const. Co., Ltd.
46-OP-21	Comfort Station, Phase III, Inc. 2A, Sand Island State Park, Honolulu, Oahu, Hawaii	281,337.93	2/13/84	8/12/84*	Prime Construction, Inc.
49-MP-8	Comfort Station, Iao Valley State Wayside, Wailuku, Maui, Hawaii	97,333.56	11/1/81	9/20/83	Service Contracting Co.

\* Estimated Contract Completion Date  
X Informal Bid

Job No.	Description	Cost of Project	Starting Date	Completion Date	Contractor
<u>LAND PROJECTS</u>					
1-OL-29	Waikiki Seawall Walkway Rehabilitation, Honolulu, Oahu, Hawaii	\$ 54,714.25	4/18/83	9/2/83	Haw'n Dredging & Const. Co.
41-OL-31	Waimanalo Agricultural Park, Phase I, Waimanalo, Koolaupoko, Oahu, Hawaii	1,597,697.40	1/26/83		Royal Contrg. Co., Ltd.
41-OL-32	Drilling Effluent Disposal Well, Waimanalo Sewage Treatment Plant, Waimanalo, Oahu, Hawaii	151,495.00	12/20/83	5/20/84	Roscoe Moss Company

FLOOD CONTROL PROJECT

9-OF-9	Makiki Stream Realignment, Honolulu, Oahu, Hawaii	507,278.90	12/6/82	10/20/83	Highway Const., Co., Ltd.
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# DIVISION OF LAND MANAGEMENT

The Division of Land Management is responsible for the prudent management of State-owned land and 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 governmental agencies come within the purview of the Land Management Division. These lands are made available to the public for sales, leases, month-to-month tenancies and exchanges.

Where there is a public need for privately-owned land the Land Management Division acquires land by negotiation, or by condemnation (eminent domain).

The Division, being an office of record, maintains a central repository of all land documents dating back to the "Great Mahele" of 1848 and also maintains a comprehensive inventory of all State lands.

## Land Transaction Activities

During fiscal year 1983-84 the Land Management Division continued to meet its program objectives by pursuing and completing the various transactions. The disposition of remnant parcels is an important part of the program as unusable parcels of land are sold to abutting owners to be consolidated with their present holding. These parcels are the result of subdivision, highway improvements or roadways and easements that have been abandoned. Larger parcels are made available to the various government agencies such as the Hawaii Housing Authority, the University of Hawaii and the various county governments. These larger parcels may be conveyed or set-aside by Executive Order.

**Remnants.** For fiscal year 1983-84, the Division disposed of eighteen (18) remnants to be consolidated with abutting private properties. The Division also disposed of a parcel for a substation site for the Hawaii Electric Light Company, Inc. as the electric company did not have a suitable site of its own. One small remnant parcel located at Palama was sold to Hawaii Housing Authority to be used as a site for a low-cost model home.

**Leases/Permits.** Disposition of long-term leases and month-to-month revocable permits also constitute a major part of the activities of the land management program. Both leases and revocable permits are land dispositions to meet the needs of the various beneficiary groups for housing, agriculture (including pasture) business, educational and eleemosynary purposes. Forty-four (44) general leases and eighty-nine (89) revocable permits were issued during fiscal year 1983-84.

**Acquisition of Lands and Easements.** The acquisition of land or interest in land for government purposes is an ongoing activity that constitutes an important facet of the land management program. The acquisition may be in the form of an easement for highway purposes, or a fee acquisition for additional space for schools, or an acquisition for preservation of historic sites such as heiaus, or for the national area reserve system. All of these acquisitions are

then made available to the various government agencies that requested the acquisition and they are also recorded in the comprehensive land inventory that is maintained by the Division.

During fiscal year 1983-84, the Land Management Division made the following acquisitions:

Acquisition for the Department of Education of seven (7) perpetual, non-exclusive access easements to service directly the library building, industrial arts building, athletic field, multi-purpose center and administration building of the Mililani High School complex from the Mililani Town Association.

Acquisition of a construction right-of-entry to grade the area along Kahuku High School from Campbell Estate and the City and County of Honolulu. Department of Education requested the grading in lieu of a new retaining wall along the State property which resulted in a savings of approximately \$7,000.

Laurence Spelman Rockefeller conveyed to the State of Hawaii for a nominal consideration of \$10.00 portions of TMK 1-6-06:06 and 03 for the expansion of Kanekaula Heiau, Island of Maui.

Acquisition of TMK 7-5-20:01 (8.542 acres) for the consideration of \$435,000 was made for the establishment of Kahakai Elementary School (formerly known as Kailua-Keauhou Elementary School) in the Island of Hawaii.

A slope easement acquisition through Executive Order No. 3231 dated March 29, 1984 was executed between the State of Hawaii and Bishop Estate for Department of Transportation highway purposes along Kahekili Highway.

For fiscal year 1983-84, the Division processed one hundred sixty (160) dispositions and acquired six (6) parcels of land or interest in land.

Control and management of State lands also include the maintenance of these lands and also the enforcement of the rules and regulations that govern the use of public lands.

## Public Land Revenue

Land Management program generated a revenue totalling \$10,192,588 for fiscal year 1983-84. Of the \$10,192,588 that was generated, \$1,475,120 was transferred to the Office of Hawaiian Affairs and \$907,519 was transferred to the Hawaiian Home Commission as mandated by the State Constitution.

To increase the operational efficiency of the Division, the Division is moving in the direction of computer operations with the acquisition of a personal computer. The Division contemplates that with the use of the computer, and the use of the computer's memory capability the net result should be a significant increase in production.

SPECIAL LAND AND DEVELOPMENT FUND

Receipts	Actual 1983-84	Estimated 1984-85
Rentals, Leased Public Lands	471,966	475,000
Rentals, Unleased Public Lands	313,025	350,000
Sale of Wood, Rock and Sand	-----	-----
License, Use of Government Water	1,542	1,680
License, Use of Government Land for Specific Purposes	1,542	3,800
Interest Earned on TCD	34,017	35,000
Interest on Deferred Payments	15,180	15,000
Sale of Public Lands	171,121	100,000
Total	1,010,519	980,480

Expenditures	Actual 1983-84	Estimated 1984-85
Land and Interest in Land	-----	-----
Structures and Permanent Improvements to Land	58,343	58,000
Appraisal Fees	32,394	32,394
Publication of Notices Fund	2,873	3,000
Maintenance Fund	66,630	100,000
Bond Fund Repayments	496,079	472,764
Administrative Costs	35,293	35,000
Revenue to DHHL	26,291	26,000
Total	717,903	727,158

Balance at the beginning:	910,821	1,203,437
Balance at end:	1,203,437	

SUMMARY OF DISPOSITIONS

ALL ISLANDS

Fiscal Year 1983-84

Counties	Executive Orders	Sales In Fee	General Leases	Revocable Permits	Grand Totals
Hawaii (1st Land District)					
Number	8	4	3	22	37
Area (Acres)	340.750	2.683	5.138	584.029	932.600
Price* or Annual Rent	-----	16,317	10,744	10,164	\$32,225
Maui (2nd Land District)					
Number	7	1	1	24	33
Area (Acres)	23.323	.392	1.000	31,111.358	31,136.073
Price* or Annual Rent	-----	2,050	120	143,106	\$145,276
Oahu (3rd Land District)					
Number	6	13	36	26	81
Area (Acres)	13.141	1.752	57.149	90.813	162.855
Price* or Annual Rent	-----	87,329	16,337	189,606	\$293,272
Kauai (4th Land District)					
Number	2	2	4	17	25
Area (Acres)	4,896.481	.764	70.240	363.136	5,330.621
Price* or Annual Rent	-----	31.320	29,530	20,676	\$81,526
Grand Totals					
Number	23	20	44	89	176
Area (Acres)	5,273.695	5.591	133.517	32,149.336	37,562.149
Price* or Annual Rent	-----	\$160,761	\$49,355	\$369,276	\$579,392

PUBLIC TRUST LAND PROCEEDS

Receipts <u>1/</u>	Actual 1983-84	Estimated 1984-85
Rentals, Leased Public Lands	\$5,352,885	\$5,500,000
Rentals, Unleased Public Lands	861,356	870,000
Sale of Wood, Rock and Sand	74,986	75,000
License, Use of Government Water	398,635	400,000
License, Use of Government Land for Specific Purposes	191,275	190,000
Sale of Real Property (Includes \$37,001 Interest)	492,709	300,000
<b>Total Receipts</b>	<b>\$7,371,846</b>	<b>\$7,335,000</b>
Expenditures	Actual 1983-84	Estimated 1984-85
Revenue to Office of Hawaiian Affairs	\$1,475,120	\$1,570,000
Revenue to Dept. of Hawaiian Homes*	881,228	900,000
Land and Transfers	5,015,498	4,865,000
Transfers to General Fund		
<b>Total Transfers</b>	<b>\$7,371,846</b>	<b>\$7,335,000</b>

1/ All Chapter 171, HRS

\* Does not include \$140,535.95 DIHL Income (100%) from lands owned by DIHL but managed by DINR.

GENERAL FUND REVENUES

AND FEE SCHEDULE

Title of Receipt (Legal Reference)	Fee Schedule	Actual 1983-84	Estimated 1984-85
Liquidated Contract Damages		---	---
Conveyance Tax (Act 5/68)	.05 per 100	135	500
Forfeiture of Failure to Return Plans and Specifications	25.00 per plan & spec	---	---
Fees, Copies of Public Documents	.50 per page	582	1,000
Fees, Issuance of Land Patents, etc.	30.00 each	1,687	2,500
Fees, Consent to Transfers, etc.	30.00 each	292	1,500
Fees, Surveying Public Lands	25.00 each	1,125	2,000
Fees, Appraisal	Cost to Department but not less than 25.00 each	---	---
Sale of Publications		---	---
Sale of Improvements on Expired or Cancelled Leases		---	---
Cost of Managing Property for other Departments		9,885	10,000
Indemnity for Damages to Insured Property		---	---
Sale of Wood, Rock and Sand		---	---
Interest on Delinquent Accounts		---	---
Witness or Juror Fees		---	---
Sales of Equipment or other Property		---	---
Refund/Reimbursement		---	---
Transfer Balance - Sand Island Revenues		1,796,517	1,180,000
<b>Total</b>		<b>1,810,223</b>	<b>1,197,500</b>

SUMMARY OF GENERAL LEASES

ALL ISLANDS

Fiscal Year 1983-84

Use	Area (Acres)	Annual Rental	No. of Leases
Intensive agriculture use	66,435.977	1,344,014.26	320
Special livestock use	-----	-----	--
Pasture use	179,993.798	702,667.00	103
Commercial timber use	-----	-----	--
Quarry use	-----	-----	--
Mining use	-----	-----	--
Recreational use	361.822	1,463.00	12
Watershed use	7,592.059	155,305.00	9
Res. use	186.316	55,991.00	178
Commercial and industrial use	634.309	1,879,822.36	158
Hotel, apartment and motel use	9.349	72,823.00	7
Resort use	-----	-----	--
Unclass. uses	45,608.091	466,126.37	234
Totals	300,821.721	4,678,211.99	1,021

SUMMARY OF GENERAL LEASES

FIRST LAND DISTRICT - ISLAND OF HAWAII

Fiscal Year 1983-84

<sup>1/</sup> Use	Area (Acres)	Annual Rental	<sup>2/</sup> No. of Leases
Intensive agriculture use	20,049.739	391,928.92	192
Special livestock use	-----	-----	--
Pasture use	170,883.818	628,214.00	44
Commercial timber use	-----	-----	--
Quarry use	-----	-----	--
Mining use	-----	-----	--
Recreational use	202.128	1.00	1
Watershed use	5,845.150	8,720.00	2
Res. use	31.112	13,634.00	20
Commercial and industrial use	262.818	918,526.86	89
Hotel, apartment and motel use	3.281	23,023.00	5
Resort use	-----	-----	--
Unclass. uses	36,918.544	58,271.23	78
Totals	234,196.590	2,042,319.01	431

The following Land Use Commission classification is used throughout: A - Agriculture  
C - Conservation  
R - Rural  
U - Urban

Leases awarded directly are preceded by "D". All others are awarded by public auction.

## GENERAL LEASES

## ISLAND OF HAWAII

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
2480	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	8/25/36-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:13	.720	U - Com/Ind.	\$ 4,234.00
2481	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	8/25/36-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:17	.750	U - Com/Ind.	4,764.00
2610	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	6/01/39-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:16	2.950	U - Com/Ind.	26,370.00
2899	James & Miulan Y. Kealoha	12/29/41-3/14/2015	Waiakea Whse. Lots Waiakea, S. Hilo	2-1-06:13 & 15	2.160	U - Com/Ind.	9,578.00
2908	Noboru Nakagawa, Sakae Nakagawa, Susumu Nakagawa and Lawrence Takeshi Nakagawa	11/01/42-3/31/82	Waiakea, S. Hilo	2-1-15:01	50.867	U - Unclass. Fishpond	1,400.00
(L)2964	Edward C. Hustace	3/15/41-(revocable)	Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kaloa-Coma Mauka Tract, Makaula-Halechui 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.	8,112.00
3155	Kenneth Hughes Alice H. Hughes	3/15/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:21	.163	U - Res.	957.00
3156	Marie T. Peters	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	HGP, Inc.	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
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	Finance Investment Co., Ltd. & Inter- Island Resorts, Ltd.	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	Richard Jitchaku	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	784.00
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 27.920 <u>53.700</u>	A - Pasture Cane	627.50
S-3583	Robert M. Yamada	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	Pepeekeo Sugar Co.	2/01/60- 12/31/89	Kamaee-Wailua & Puuhua, N. Hilo	3-1-04:01 & 02	330.120 19.360 199.270 <u>548.750</u>	A - Int. Ag. Cane ROW Waste	2,971.08 19.36 19.93 <u>3,010.37</u>
S-3585	Pepeekeo Sugar Co.	2/01/60- 12/31/89	Honoum-Hukua, Kaakepa & Kaupakuea, S. Hilo	2-8-11:01, 03, 09 & 11	768.688 26.406 21.340 91.500 <u>907.934</u>	A - Int. Ag. Cane ROW Pasture Waste	6,918.20 26.41 21.34 9.15 <u>6,975.10</u>
S-3586	Mauna Kea Sugar Co., Inc.	2/01/60- 12/31/89	Kawainui, S. Hilo	2-7-07:05	155.258 2.391 33.351 <u>191.000</u>	A - Int. Ag. Cane ROW Waste	1,397.32 2.39 3.34 <u>1,403.05</u>
S-3587	Hamakua Sugar Co., Inc.	2/01/60- 12/31/89	Kaunamano, Hamakua	4-4-01:01	21.000 11.100 <u>32.100</u>	A - Int. Ag. Cane Waste	210.00
S-3589	F. Newell Bohnett	8/15/60- 8/14/2000	Puuwaawaa, N. 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-3590	Texaco, Inc.	3/01/60- 2/28/85	Waiakea, S. Hilo	2-1-09:42	2.660	U - Com/Ind.	17,607.00
S-3591	Vetpro Inc., dba Veterans' Produce Exchange	1/16/61- 1/15/2016	Kanoelehuia Ind. Lots, S. Hilo	2-2-49:17	.354	U - Com/Ind.	8,340.00
S-3592	Elaine K. Kono	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	Kanoelehuia 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	Kanoelehuia Ind. Lots, Waiakea, S. Hilo	2-2-50:83	.224	U - Com/Ind.	5,265.00
S-3595	Harry Hiroo Nishimura dba Harry's Refrigeration Service	1/16/61- 1/15/2016	Kanoelehuia 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	Kanoelehuia Ind. Lots, Waiakea, 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
S-3598	John T. Butler & Patricia A. Butler	1/16/61- 1/15/2016	Kanoelehuia Ind. Lots, Waiakea, S. Hilo	2-2-50:85	.258	U - Com/Ind.	6,075.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	Hawaii Pest Control, Inc.	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	Harders Co., Ltd.	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 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 35.360 119.570 175.880 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 25.090 332.390 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	Niuepa-Kealakaha	4-1-02:01, 04, 05, & 06 4-1-03:19, 26 4-1-04:01, 31, & 33	493.076 10.930 156.822 660.828	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 20.852 266.031 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 15.703 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 93.843 434.743	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
S-3620	Shoichi Muramoto dba Mura's Repair Shop A/S Chikara & Bertha Y. Nakano	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	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	Castle & Cooke, Inc.	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.	3/20/61-3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:79	.241	U - Com/Ind.	5,735.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 Sugar 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	10,581.66 182.87 35.83 17.65 10,818.01
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	Kaunana Cave, Hilo	2-5-06:03 & 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	U - Com/Ind.	4,452.00
(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-3752	U.S. of America (Navy)	12/16/63-12/15/2028	Kamooa, Kau	9-3-01:03, 07, and 10	21.296	A - 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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3837	Hongo Nursery, Inc.	6/16/64- 6/15/2019	Waiakea Hmstds., S. Hilo	2-2-44:04	10.000	U - Com/Ind.	438.00
(D)S-3844	University of Hawaii	7/24/64- 7/23/2029	Hamakua Experiment Farm, Kaohē	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-3867	Manuel Souza	10/28/64- 10/27/84	Paauilo-Pahakea Reserve Lots	4-3-15:01	4.540	A - Pasture	67.50
S-3868	Ponoholo Ranch, Ltd.	10/28/64- 10/27/84	Makilo Gov't. Tract, N. Kohala	5-9-02:06	138.000	A - Pasture	1,110.00
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
S-3886	Palekoki Ranch, Inc.	1/20/65- 1/19/85	Por. Lalamilo, Ouli & Waiaka I, Waimea, S. Kohala	6-6-01:02, 55	9,154.000	A - Pasture	4,500.00
(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. Kaohē, Hamakua	4-4-16:10	.881	U - Unclass.	300.00
S-3930	William Thompson	10/18/65- 10/17/85	Por. Kaohē, Hamakua	8-2-07:02 8-2-08:19	12.911	A - Pasture	75.00
S-3931	Francis C. De Morales	10/18/65- 10/17/85	Waiakea Hmstds., S. Hilo	2-4-06:13	65.550	A - Pasture	390.00
S-3932	Hamakua Sugar Co., Inc.	10/18/65- 10/17/85	Por. Kalopa Hmstds., Hamakua	4-4-03:25	.730	A - Int. Ag.	30.00
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-3934	Hubert M. Spivey	10/18/65- 10/17/85	Por. Waiakea Pasture Lands	2-4-04:12 & 13 por. 21 & 22	118.924	A - Pasture	540.00
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-3938	Frank & Virginia DeLuz, Jr.	11/08/65- 11/07/85	Por. Kapualei Remainder, Hamakua	4-3-06:05 4-3-14:01	33.620	A - Pasture	685.00
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
S-3949	Hawaiian Greenhouse, Inc.	12/20/65- 12/19/2000	Keonepoko Hmstds, Pahoa	1-5-07:17	19.401	A - Int. Ag.	639.10
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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. A/S/ Katsuyuki Yokoyama	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 Depart- ment, 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 Govt Rem; Parcels B,C,D,E&F, Opihilala-Kapualei Gov't Remnant, Gov't Remainder Kamau II Makai Tract Kaohe I; Lot 21-A Pohakea Hmstds, Makai Section, Opihilala & Paaulo, 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	Puepa 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	Yoshito Iwamoto	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 3.710 <u>117.980</u>	A - Int. Ag. Cane Waste ROW	1,020.00
S-4108	Hamakua Sugar Co., Inc.	9/06/67- 12/31/2008	Hanapai, Hamakua	4-7-04:09, 11	34.700 8.850 <u>43.550</u>	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 <u>160.870</u>	A - Int. Ag. Cane Waste ROW	1,861.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4130	Hawaiian Telephone Co.	1/01/68-12/31/2023	N. Hilo	3-9-02:12	1.047	U - Com/Ind.	36.00
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.	4/14/67-4/13/97	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	Kaohē, Hamakua	4-4-15:09	13,321.054	C - Unclass.	Gratis
(D)S-4196	University of Hawaii	4/26/68-4/25/2033	S. Kohala	6-4-03:16, 97	196.414	A - Int. Ag.	1.00 Full Term
S-4201	Great Hawaiian Financial Corporation	9/26/68-9/25/2023	Waiakea, S. Hilo	2-2-58:33	.474	U - Com/Ind.	1,600.00
S-4202	Julio Resureccion	9/26/68-9/25/93	Keolu 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	9/26/68-9/28/2021	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	Kona Joint Venture I, Ltd.	2/07/69-2/06/2034	Kahaluu, N. Kona	7-8-13:42	.128	U - Unclass. ROW	128.25
(D)S-4234	University of Hawaii	12/15/67-12/14/2032	Olaa, Puna	2-4-08:21	.014	C - Unclass. ROW	Gratis
(D)S-4235	University of Hawaii	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	2.190	A - Int. Ag.	685.00
S-4239	Palani Ranch Co., Inc.	4/15/69-	Kealakehe, N. Kona	7-4-02:07	1,232.000	A - Pasture	2,500.00
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
S-4247	Ponoholo Ranch, Ltd.	7/11/69-7/10/94	Pahinahina-Kiio-kalani 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	Margaret Cobey Black	7/11/69-7/10/99	Kokoiki, N. Kohala	5-5-05:19	.652	A - Unclass. ROW	60.00
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	Puanahulu Homesteads., N. Kona	7-1-05:05	8.199	A - Int. Ag.	620.00
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	Inter-Island Resorts, Ltd. & Finance Investment Co., Ltd.	8/14/69-3/14/2015	Banyan Dr., Waiakea Peninsula, S. Hilo	2-1-05:46	1.054	U - Com/Ind.	3,300.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4260	Kau Sugar Co., Inc. & C. Brewer Co., Ltd.	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 Sugar Co., Inc. & C. Brewer Co., Ltd.	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 Sugar Co., Inc. & C. Brewer Co., Ltd.	9/29/69-9/28/1994	Waiohinu, Kau	9-5-05:03	378.870	A - Int. Ag. Cane	4,972.00
S-4263	Kau Sugar Co., Inc. & C. Brewer Co., Ltd.	9/29/69-9/28/94	Kapapala, Kau	9-8-01:06	291.130	A - Int. Ag. Cane	4,743.00
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 Pahoa, 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 Sugar Co., Inc. & C. Brewer Co., Ltd.	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	27,104.00
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 ROW Waste	9,050.00
S-4286	Koshi Miyasaki, et al.	1/20/70-1/19/85	Keanakolu Orchard-Arboretum, Humuula, N. Hilo	3-7-01:09	39.308	A - Int. Ag.	1,105.00
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.	5/07/69-5/06/2024	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
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	Big Island Tobacco Corp.	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	Triple K. Plumbing, Inc. & George 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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	R. Hirae Painting, Inc.	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	H & S Construction, Corporation	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	H & S Construction, Corporation	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-4315	Hawaii Planters, Inc.	6/23/70- 6/22/95	Kalapana-Kupahua, Puna	1-2-32:23	219.000	A - Int. Ag.	400.00
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	Kincoole	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 Houseslots, S. Hilo	2-2-37:56	.448	U - Com/Ind.	3,175.00
S-4334	Larry & Persis B. Konata	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 Piipihonua	2-3-27:25	2.052	U - Com/Ind.	4,088.90
(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 S. Hilo	Hilo Ind. Dev., Leilani St., Waiakea	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4366	Matsumoto Nursery, Inc.	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 Houselots ext., Waiakea, S. Hilo	2-2-58:36	.895	U - Com/Ind.	7,000.00
S-4391	Hawaii Biogenics, Ltd.	2/01/74-1/30/2029	Opihipau-Hakiaa, Hualuu-Kahei Gov't Tracts	5-5-03:04, 05, & 06 5-5-06:02, 03, 04 & 15 5-5-07:05, 08, 09, 11 & 12	1,054.426	A - Int. Ag.	43,150.00
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	Roy O. Sato	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	Hajime Tanaka	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	Moses K. Makuakane	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-4431	James J. Kuwana	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:18	20.903	A - Int. Ag.	785.00
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	Lots 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
S-4447	Larry T. & Yoshiko Kinura	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	Hiroshi Kitagawa	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 House 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	5,100.00
S-4464	Richard Smart	3/01/76-2/28/2011	Land of Haleaha, Waimea	6-5-01:06	135.000	A - Pasture	4,500.00
S-4465	Richard Smart	3/01/76-2/28/2011	Land of Keanuio-mano & Puuiki, waimea	6-5-01:20	420.000	A - Pasture	13,950.00
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	25,306.00
S-4467	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:03	739.000	A - Pasture	22,400.00
S-4468	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:11	738.000	A - Pasture	22,400.00
S-4469	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:12	522.000	A - Pasture	20,200.00
S-4470	Richard Smart	3/01/76-2/28/2011	Land of Honokaia, Hamakua	4-6-11:13	500.000	A - Pasture	22,100.00
S-4471	Theresa B. Lau	3/01/76-2/28/2011	Land of Kaohe-3, Hamakua	4-4-15:02	1,763.000	A - Pasture	17,500.00
S-4472	Houulu Ranch, Inc.	3/01/76-2/28/2011	Land of Hoea-Kaao, Hamakua	4-2-08:02	1,902.000	A - Pasture	20,500.00
S-4473	Philip C. Meyer	3/01/76-2/28/2011	Land of Kaohe-6, Hamakua	4-1-06:07	3,110.000	A - Pasture	26,100.00
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	22,300.00
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	77,600.00
S-4476	Richard Smart	3/01/76-2/28/2011	Land of Piipihonua, S. Hilo	2-6-18:01	5,995.000	A - Pasture	65,100.00
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	90,000.00
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	112,000.00
S-4479	Hawaii Housing Authority	8/29/75-8/28/2030	Ponahawai, S. Hilo	2-5-06: por. 03	.744	U - Unclass. ROW	1.00 Full Term
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 & , Piipihonua, S. Hilo	2-4-08:04 2-6-18:01	18.852	C - Unclass. ROW	10.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4486	Catherine W. Lowrey	1/01/76-12/31/2005	Lalamilo, S. Kohala	6-6-01:01 & 02	.082	A - Unclass. ROW	11.83
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	Arata Kansako and Dorothy S. Kansako	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	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	County of Hawaii	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	International Christian Schools, Hawaii-Youth with a Mission, Inc.-Hawaii	7/19/76-7/18/2001	Holualoa, N. Kona	7-4-06:01	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	Kalaea, N. Kona	7-3-04:05	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 Investment Corporation	12/29/78-12/28/2043	Honomalino & Hoopulua, 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	2-5-04:02	.853	U - Res.	1.00
(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-4620	Masaji & Jane N. Kawazoe	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

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S-4623	Itsue Okamoto	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.	600.00
S-4632	Kualoa Farms, Ltd.	5/1/80- 4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:por. 19	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	Jules J. Jr. & Soontaree Gervais	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	Roy S. & H. Eunice Shigenaga	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	Kenneth S. Funai	5/8/80- 5/7/2035	Olaa, Puna	1-8-06:103	49.082	A - Int. Ag.	2,500.00
S-4656	Pacific Educational Foundation, Inc. dba Hawaii Job Corps Center	4/1/81- 3/31/91	Waiakea, S. Hilo	2-4-49:18	10.875	A - Unclass.	Gratis
S-4662	James 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
S-4664	James E. Miles Construction, Inc.	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
S-4671	Pacific Nurseries, Inc.	9/19/80- 9/18/2035	Keonepoko Nui, Puna	1-5-07:57 & 1-5-10:por. 13	100.000	A - Int. Ag.	37,000.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4673	U.S. of America Dept. of Transportation Federal Aviation Adm.	12/1/80- 11/30/2045	Hunua, N. Hilo	3-8-01:por. 1	.435	C - Unclass.	Gratis
S-4679	Mana Ranch Co., Ltd.	3/13/81- 3/12/2036	Puukapu, Waimea, S. Kohala	6-4-05	2.513	A - Unclass. Roadway	1.00 Full Term
S-4680	Eugene & 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	Kazumi Shigezawa	1/1/81- 12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:03	5.007	A - Int. Ag.	350.00
S-4683	Sarge Kobayashi	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	Shoji & Yoshie Kawahara	1/1/81- 12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:11	4.758	A - Int. Ag.	335.00
S-4691	Richard W. & Patricia M. Clark	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	Kaunana, S. Hilo	2-5-04	.456	U - Unclass. Roadway	1.00 Full Term
S-4698	Kincoale 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
(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
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	Chiyoki & Aileen M. Tanaka	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	Kaoru Mark Cooper	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. Rubo	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	Martin J. & Rita C. 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	Jules J. & Soontaree Gervais	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	Daniel L. & Velva Mae Lappala	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

GENERAL LEASES  
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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	Alan Curry	3/23/82- 3/22/2017	Kau & Nukakaia, Kau	9-4-05:16	30.649	A - Pasture	900.00
S-4788	Illinois U. Hernandez	3/23/82- 3/22/2037	Lot 18, Papa Hmstds. Papa 1st, S. Kona	8-8-04:18	7.150	A - Int. Ag. Res.	4,800.00
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. Ph 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. Ph II, Keonepoko Iki, Puna	1-5-116:29	5.002	A - Int. Ag.	350.00
S-4793	Francis C.K. & Cresencia A. Mau	5/1/82- 4/30/2037	Lot 3, Pahoa Ag Pk. Ph 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-4798	Gary Y. & Thelma O. Sumi	5/1/82- 4/30/2037	Lot 8, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:35	5.002	A - Int. Ag.	350.00
S-4799	Perfecto & Sarah Aniban	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	Albert G. & Florence S. Nishimura	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	Curtis T. Nishioka	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	Richard T. Iwasaki	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4804	Gilbert H. & Mariko Uyeda	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
S-4807	Eric H. Kama	5/1/82- 4/30/2037	Lot 16, Pahoa 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, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:44	5.511	A - Int. Ag.	385.00
S-4809	Pahoa Farms, Ltd.	5/1/82- 4/30/2037	Lot 18, Pahoa 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, Pahoa 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, Pahoa 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, Pahoa 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, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:54	6.392	A - Int. Ag.	445.00
S-4818	Michael J. & Patricia A. McCluey	5/1/82- 4/30/2037	Lot 28, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:55	6.210	A - Int. Ag.	435.00
S-4819	Teruo & Natsuyo Obayashi	5/1/82- 4/30/2037	Lot 29, Pahoa 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, Pahoa 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, Pahoa 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, Pahoa 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, Pahoa 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, Pahoa Ag Pk. Phase I, Keonepoko Iki, Puna	1-5-116:05	10.000	A - Int. Ag.	900.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4829	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	State Mutual Life Assurance Co.	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-4833	Patrick T. Denison	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:16	5.421	A - Int. Ag.	490.00
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
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	Kenneth K. Saito	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	Chiaki & Sadako Kato	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:23	5.027	A - Int. Ag.	450.00
S-4841	Hisao & Masako Nakaoka	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:24	5.027	A - Int. Ag.	450.00
S-4842	Joseph & Ellen S. Cathcart	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	Tiki Farms, Inc.	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	Paul M. & Edith E. McHenry	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-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 Pepeekeo School lot, Kulaimano, S. Hilo	2-8-06:12	4.900	U - Rec.	Gratis

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-4915	United States Postal Service	2/20/84- 2/19/2039	Manowaiapae, North Hilo	3-6-09:32 & 33	.230	U - Unclass. Post Office	1,200.00
S-5000	Tsugio Sakata	3/31/67- 3/30/2032	Por. Govt Land Waimea, S. Kohala	6-5-04:por. 15	.012	U - Unclass. ROW	11.00
S-5001	K. Kobata & Sons	3/31/67- 3/30/2022	Waiakea, S. Hilo	2-2-32:10	.988	U - Com/Ind.	4,262.00
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	Paauiilo, Hamakua	4-3-15:10	3.040	A - Int. Ag.	46.00
S-5005	Puna Certified Nursery, Inc.	3/31/67- 3/30/2002	Keonepoko-Nui, Puna	1-5-08:05	5.000	A - Int. Ag.	65.00
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	Mary K. Phillips	5/19/67- 5/18/2032	por. Lalamilo, Waimea, S. Kohala	6-6-04:76	.033	U - Unclass. ROW	22.00
S-5018	Pacific Standard Life Insurance Company	5/19/67- 5/18/2032	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 <u>231.080</u>	A - Int. Ag. Cane ROW Waste Pasture	1,856.00    67.00 <u>1,923.00</u>

SUMMARY OF GENERAL LEASES  
SECOND LAND DISTRICT - ISLAND OF MAUI

Fiscal Year 1983-84

<u>1/</u> Use	Area (Acres)	Annual Rental	<u>2/</u> No. of Leases
Intensive agriculture use	6,841.725	223,085.34	33
Special livestock use	—	—	—
Pasture use	2,868.238	27,680.00	23
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	57.152	480.00	4
Watershed use	81.159	15,585.00	3
Res. use	6.800	2,680.00	3
Commercial and industrial use	113.562	32,680.50	7
Hotel, apartment and motel use	—	—	—
Resort use	—	—	—
Unclass. uses	43.343	2,781.20	25
Totals	10,011.979	304,972.04	98

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

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

GENERAL LEASES

ISLAND OF MAUI

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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 7.864 <u>1,063.462</u>	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	Kaiaipapa, inc. Loko Waiohono, Hana	1-3-07:25	.600	R - Res.	400.00
L-3695	East Maui Irrigation Co., Ltd.	7/01/62- 6/30/86	Honomanu Water License, Koolau	1-1-01:44	3.159	C - Watershed Water License	15,510.00
S-3717	West Maui AJA Veterans Club	11/05/62- 11/04/87	Wahikuli Hselots, Lahaina	4-5-14:51	.460	U - Rec.	200.00
(D)S-3741	U.S.A., Federal Aviation Agency	7/01/64- 6/30/84	Kealahaloa, Ukumehame	3-6-01:08	1.204	C - Unclass. Fed.	Gratis
(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-3820	Roy F. Bodnar	4/08/64- 4/07/85	Paroels C, D & E, Puolua, Hamakualoa, Makawao	2-9-06:06 2-9-08:13, 17, 18 & 24	12.890	A - Pasture	120.00
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, Waiahoa, Makawao, Kula	2-2-11:33	20.674	A - Int. Ag.	Gratis

## GENERAL LEASES

## ISLAND OF MAUI

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3920	Joseph Young	7/20/65- 7/19/85	Lots 12-A, 13-A, 26-A, 32, 32-A & Parcel 54, Wailua Hmstds., Hana	1-1-05:17, 25, 45 & 54	5.930	A - Int. Ag.	177.00
S-3922	Cecilia Kaauamo	7/20/65- 7/19/85	Lots 2-A, 18-A, 21-A & 22-A, Wailua Hmstds., Koolau, Hana	1-1-04:13 & 30	2.990	A - Int. Ag.	80.00
S-3947	George W. Murphy dba Puuohoku Ranch	6/01/66- 5/31/86	Por. Honouliwai, Makai of Molokai Forest Reserve	5-8-03:12 5-8-15:09	576.120	A - Pasture	2,300.00
S-3964	Joseph K. & Christy D. Daniels	6/01/66- 5/31/86	Waiohono-Kakio Hana	1-4-11:04	35.850	A - Pasture	100.00
S-3965	Samuel Kaauamo	6/01/66- 5/31/86	Wailua Hmstds., Hana	1-1-05:52	2.630	A - Int. Ag.	55.00
S-3984	Pioneer Mill Co., Ltd.	7/11/66- 7/10/86	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- 7/10/86	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-4015	Joe Castro, Jr.	10/17/66- 10/16/86	Kahakuloa Hmstds., Wailuku	3-1-01:21	92.800	A - Pasture	175.00
S-4016	Hana Tropical Fruit Plantation, 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	Hama, 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 & 08	2.180	A - Int. Ag.	98.00
S-4195	Joseph B. & Jeanette Di Meo	4/22/68- 4/21/2033	Kamaole (Kula)	3-9-05:46	.217	U - Com/Ind.	710.00
S-4197	Alexander & Baldwin, Inc.	7/01/68- 6/30/2003	Pulehunui & Waikapu, Wailuku	3-8-08:01 & 08	1,207.618 296.415 371.243 1,875.276	A - Int. Ag. Cane Contributory Waste	84,600.00
S-4209	Charles & Mary Kong	10/03/68- 10/02/2023	Kearae Hmstds., Kearae, Hana (Koolau)	1-1-03:70	1.100	A - Int. Ag. & C - Res.	1,070.00
S-4210	Herbert Aronson	10/03/68- 10/02/2023	Kearae, 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 - Com/Ind.	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
S-4230	Charles S. Ota	2/25/69- 2/24/89	Honomanu, Hana	1-1-01:52	67.000	A - Pasture & C	200.00

## GENERAL LEASES

## ISLAND OF MAUI

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4231	Paul T. & Bernice H. Otani	2/25/69-2/24/94	Omaopio, Kula	2-3-03:06	13.140	A - Int. Ag.	500.00
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	Kearae & 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	Security Pacific Mortgage Corp.	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, Wainee, 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 Hanakao, 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	Hamao, 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	Abraham Akiona	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, Palaau-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 Mana-Kai, 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
(D)S-4433	County of Maui	6/14/74-6/13/2009	Palaau & Hoolehua, Molokai	5-2-01:02 5-2-04:16	772.242	A - Int. Ag.	Gratis
	(Sublessees)						
	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

## GENERAL LEASES

## ISLAND OF MAUI

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
	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
	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
	Lokahi Pacific	2/25/80-6/13/2009	Palaau & Hoolehua, Molokai	5-2-01:20 & 27	(60.671)	A - Int. Ag.	2,426.84
(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 Kamaole 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. Rauenhorst, 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 (ARSPAND 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 & Avery G. Dresden	9/01/76-8/31/2001	Lot 29-0, Nahiku Hmstds., Nahiku, Hana	1-2-02:01	7.200	A - Int. Ag.	725.00
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	421.000	A - Pasture & C	1,200.00
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	1,625.00
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 & 5, Kapunakea 1 & Waihikuli, 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

## GENERAL LEASES

## ISLAND OF MAUI

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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	3-7-02: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
S-4661	Hana Ranch, Inc.	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	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 Govt 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
S-5008	Pioneer Mill Co., Ltd.	5/23/67- 5/22/87	Lahainaluna Sch. Lands, Lahaina	4-6-18:13 & 17	25.924 6.759 9.400 42.083	U - Int. Ag. & A Cane, Waste Kam III School	870.00
S-5010	Edward B. & Sylvia Mildred Perreira	5/23/67- 5/22/87	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

SUMMARY OF GENERAL LEASES  
THIRD LAND DISTRICT - ISLAND OF OAHU

Fiscal Year 1983-84

<u>1/</u> Use	Area (Acres)	Annual Rental	<u>2/</u> No. of Leases
Intensive agriculture use	1,290.823	100,472.00	51
Special livestock use	-----	-----	-----
Pasture use	3,614.988	9,675.00	7
Commercial timber use	-----	-----	-----
Quarry use	-----	-----	-----
Mining use	-----	-----	-----
Recreational use	65.915	301.00	3
Watershed use	1,534.500	32,600.00	1
Res. use	23.864	3,602.00	32
Commercial and industrial use	193.504	831,405.00	35
Hotel, apartment and motel use	-----	-----	-----
Resort use	-----	-----	-----
Unclass. uses	8,011.259	319,277.84	85
Totals	14,734.853	1,297,332.84	214

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

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

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1983-84

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 & Kewa- lo		.210	U - Unclass. ROW	1.00
(D)S-1756	Hawaiian Electric Co., Ltd.	6/21/72- Indefin	Waialea, Koolauloa		1.020	C - Unclass.	12.00
(D)S-3702	Honolulu Gas Co., Ltd.	3/21/62- 3/20/92	Wilikina Dr., Wahiawa	7-3-01	.051	U - Unclass. ROW	220.00
S-3709	The Oceanics Foundation	8/21/62- 8/20/2027	Waimanalo, Koolau- poko	4-1-14:03, 04 & por.07	118.000	U - Unclass. Elee.	12,000.00
S-3726	Pacific (Heftel) Broadcasting Company of Hawaii, Inc.	1/12/63- 1/11/83	Ala Wai Blvd., Kalia, Waikiki	2-6-13	1.236	U - Unclass. ROW	130.00
S-3727	Amancio R. & Serafina Nacapoy	1/14/63- 1/13/2028	Kaluapelena, Kalihi	1-3-11	.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, Moku- leia, Waialua	6-7-03 8-4-02	1.800	U - Unclass.	1.00 Full Term
(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, Waikale, Ewa	9-3-01 9-3-02	45.810	C - Unclass. ROW	1.00 Full Term
S-3809	Canadian Overseas Telecommunication Corporation	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	Kalaauo, Ewa	9-8-11:11	.014	U - Unclass. ROW	125.00

## GENERAL LEASES

## ISLAND OF OAHU

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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-3848	U.S. of America (Army)	8/17/64-8/16/2029	Makua Training area, Parcels A & B		1,515.121	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.	1.00
(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-3897	Hawaiian Electric Co., Inc.	3/11/65-3/10/2030	HHL, Nanakuli	8-9-07	2.164	U - Unclass. ROW	84.00
(D)S-3898	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Makiki Por. 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	Auwaiolimu 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	70.40
(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
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	.021	U - Unclass. ROW	1.00
S-3983	Leki, Inc.	6/27/66-6/26/2021	Por. Old Waialea 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, Kaakaukui, Honolulu	2-1-58	4.146	U - Com/Ind.	48,750.00

## GENERAL LEASES

## ISLAND OF OAHU

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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 Por. Res., Waialua	6-7-03	.106	C - Com/Ind.	330.00
(D)S-4094	City & County of Honolulu	4/24/67-4/23/2032	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	Kaakaukui, 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	Maunaloa	3-9-15	.650	U - Unclass. ROW	255.00
S-4113	Pat & Valerie Moeller	10/10/67-10/09/2007	Moanalua	1-1-64:08	.676	U - Com/Ind.	10,900.00
S-4114	Jack Altman	10/10/67-10/09/2007	Moanalua	1-1-06:09	.909	U - Com/Ind.	18,800.00
S-4115	G. W. Murphy Construction Co., Inc.	10/10/67-10/09/2007	Moanalua	1-1-64:10	.946	U - Com/Ind.	12,200.00
S-4116	Hawaii Industrial Partners #1	10/10/67-10/09/2007	Moanalua	1-1-64:11	1.010	U - Com/Ind.	15,600.00
S-4117	Shafter Land Corp.	10/10/67-10/09/2007	Moanalua	1-1-64:12	1.010	U - Com/Ind.	15,300.00
S-4118	Economics Laboratory, Inc.	10/10/67-10/09/2007	Moanalua	1-1-64:13	1.010	U - Com/Ind.	16,400.00
S-4119	W. E. Fallon	10/10/67-10/09/2007	Moanalua	1-1-64:14	1.094	U - Com/Ind.	18,600.00
S-4120	Electrical Distributors, Ltd.	10/10/67-10/09/2007	Moanalua	1-1-64:15	.918	U - Com/Ind.	15,500.00
S-4121	Emmett Paul Simpson	10/10/67-10/09/2007	Moanalua	1-1-64:16	.918	U - Com/Ind.	15,600.00
S-4122	Equipment Service Co., Ltd.	10/10/67-10/09/2007	Moanalua	1-1-64:17	.507	U - Com/Ind.	7,500.00
S-4123	Douglas K. Takata	10/10/67-10/09/2007	Moanalua	1-1-64:19	.566	U - Com/Ind.	9,600.00
S-4124	Sen Plex Corp.	10/10/67-10/09/2007	Moanalua	1-1-64:19	.574	U - Com/Ind.	9,100.00
S-4125	Oahu Development Corp.	10/10/67-10/09/2007	Moanalua	1-1-64:20	.574	U - Com/Ind.	9,600.00
S-4126	Ikazaki, et al.	10/10/67-10/09/2007	Moanalua	1-1-64:21	.574	U - Com/Ind.	17,000.00
S-4127	Tropical Isle Commercial Development	10/10/67-10/09/2007	Moanalua	1-1-64:22	.574	U - Com/Ind.	17,000.00
(D)S-4129	U.S. of America, Federal Aviation Administration	5/31/67-5/30/2032	Fort Ruger		.099	U - Unclass.	Gratis
S-4131	Waianae Valley Ranch, Inc.	10/19/67-10/18/87	Waianae	8-5-06	1,272.000	A - Pasture	3,100.00
S-4216	Promana, Inc.	12/05/68-12/04/2033	Kapalama, Honolulu	1-5-34:por. 04 & 08	.112	U - Unclass. ROW	915.00
S-4217	Ernest W. Albrecht	12/05/68-12/04/2033	Puea, Waianae	8-5-05:por. 09	.612	A - Unclass. ROW	21.00
S-4218	Waipahu Soto Zen Temple Taiyoji	12/05/68-12/04/2033	Cemetery Lot, Pouhala, Waialeale, 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

## 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-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	Kuackala & Kealia, Waialua	6-8-02:07 6-9-03:02	1,884.695	A - Pasture	2,350.00
S-4267	John Kalawaiianui Nakoa	9/04/69- 9/03/2034	Palolo Valley, Por. Anuenue Elem. School	3-4-04	.031	U - Unclass. ROW	31.17
S-4290	Albert C. Kobayashi, Inc.	3/12/70- 3/11/2010	Lot 1, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.232	U - Com/Ind.	7,200.00
S-4291	Bert A. Kobayashi	3/12/70- 3/11/2010	Lot 2, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.233	U - Com/Ind.	7,500.00
S-4292	Home Communications Services Corp.	3/12/70- 3/11/2010	Lot 3, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.527	U - Com/Ind.	16,700.00
S-4293	Rite-Way Co., Ltd. & Quality Pacific, Ltd.	3/12/70- 3/11/2010	Lot 4, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.492	U - Com/Ind.	15,900.00
S-4294	Hawaii Business Associates, Inc.	3/12/70- 3/11/2010	Lot 5, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.477	U - Com/Ind.	16,200.00
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
(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	C - Watershed	32,600.00
(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-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	2.243	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	75.38
(D)S-4369	The Research Corp. of the University of Hawaii	11/01/72- 10/31/2037	Lualualei, Waianae	8-6-01	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-4390	U.S. of America (Army)	11/05/73- 12/31/83	Lot 1103 B, adj.	1-1-02:Por. 4	10.000	U - Unclass.	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
(D)S-4404	City & County of Honolulu, Honolulu Redevelopment	8/23/74- 8/22/2039	Par. 17, 20-22, Kukui Project, Hon.	2-1-09	.143	U - Unclass.	Gratis

## 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
S-4405	Produce Center Development, Ltd.	7/19/74-7/18/2029	Kaakaukui (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, Koolau-poko	4-1-14:Adj. 06	1.729	C - Com/Ind.	3,600.00
(D)S-4408	U.S. of America (Coast Guard)	10/30/74-10/29/2039	Kaakaukui, 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
(D)S-4482	Waianae Hawaiian Heritage Cultural Center, Inc.	8/23/74-8/22/77	Por. of Gov't (Crown) land of Waianae, Waianae-Kai	8-5-18:Por. 01	1.154	U - Unclass. Elee.	1.00
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	3/15/76-3/14/2040	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
(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	Harry M.S. Fong	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, Kaakaukui (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 Kaakaukui (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 (Easement)	U - Com/Ind.	12,000.00

## 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-4590	Honolulu Community Action Program, Inc.	1/1/77-12/27/81	Por. of Waianae-Kai 8-5-02:12 Military Reservation including Bldg. 38 and 39, Waianae-Kai, Oahu		4.020	U - Com/Ind.	Gratis
(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-HI-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, Koolau-poko	4-7-02:17	.606	U - Unclass.	120.00
S-4612	Del Monte Corp.	1/1/80-12/31/94	Waikale, Ewa	9-4-12:1, 2 & 3	587.380	A - Int. Ag.	39,500.00
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	Kaakaukui	2-1-58:48	.082	U - Unclass.	30,000.00
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	9-9-10:33	3.697	U - Com/Ind.	91,000.00
(D)S-4658	City & County of Honolulu	7/1/80-6/30/2045	Kaakaukui, 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.	Paid full term
(D)S-4693	City & County of Honolulu	7/1/80-6/30/2045	Lualualei, Waianae	8-7-07:por. 1	1.399	- 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-4783	Honolulu Community Action Program	12/28/81-12/27/82	Por Waianae-Kai Military Reservation	8-5-02:15	4.000	U - Unclass.	Gratis
(D)S-4825	Waikiki Community Center		Waikiki, Oahu	2-6-25:02	1.477	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
(D)S-5006	University of Hawaii	6/01/67-5/31/2032	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	.050	U - Unclass. Elee.	110.00

## WAIMANALO AGRICULTURAL LEASES

S-3753	SGVG Corp.	12/02/63-12/01/2010	Lot 2, Waimanalo Ag Subdv. Koolau-poko	4-1-10:31	3.429	A - Int. Ag.	355.00
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## 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
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.	360.00
S-3755	Ronald H. Deisseroth	12/02/63-12/01/84	Lot 4, Waimanalo Ag Subdv. Koolaupoko	4-1-10:33	5.106	A - Int. Ag.	350.00
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.	700.00
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.	375.00
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.	2/02/64-2/01/2011	Lot 13, Waimanalo Ag Subdv., Koolaupoko	4-1-10:44	4.014	A - Int. Ag.	360.00
S-3762	Henry Hiroshi Miyamoto	2/02/64-2/01/2008	Lot 14, Waimanalo Ag Subdv., Koolaupoko	4-1-10:46	5.137	A - Int. Ag.	420.00
S-3763	William K and Charlotte K. Fuller	12/02/63-12/01/83	Lot 15, Waimanalo Ag Subdv., Koolaupoko	4-1-10:48	5.256	A - Int. Ag.	410.00
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.	295.00
S-3765	James I & Patricia Hee Kuroiwa, Jr.	12/02/63-12/01/84	Lot 25, Waimanalo Ag Subdv., Koolaupoko	4-1-27:30	7.787	A - Int. Ag.	560.00
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.	1,170.00
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.	540.00
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
S-3774	Katsumi Mashita	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	Howard E. & Naomi H. Chaille	12/02/63-12/01/83	Lot 37, Waimanalo Ag Subdv., Koolaupoko	4-1-27:12	8.513	A - Int. Ag.	490.00
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.	515.00
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	Larry & Patrice Goebelt	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.	550.00
S-3783	Johnny & Pauline B. Castillo	12/05/64-2/04/85	Lot 1, Waimanalo Ag Subdv., Koolaupoko	4-1-08:30	11.092	A - Pasture	705.00

## 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
S-3784	Edward D. & Carroll Sultan, Jr.	12/02/63-12/01/84	Lot 22, Waimanalo Ag Subdv., Koolaupoko	4-1-27:20	19.481	A - Pasture	730.00
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.	245.00
S-3792	Elizabeth Heavey & Eleanor Kaleimomi McIellan	12/05/63-12/04/93	Lot 45, Waimanalo Ag Subdv., Koolaupoko	4-1-27:01	1.100	A - Int. Ag.	380.00
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.	950.00
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	700.00
S-3854	Patricia & Nancy Maloney	8/10/64-8/09/84	Lot 47, Waimanalo Ag Subdv., Koolaupoko	4-1-26:18	5.492	A - Int. Ag.	550.00
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.	510.00
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.	580.00
S-3860	Yong & Helen Y. Kam	8/13/64-8/12/84	Lot 31, Waimanalo Farm Lots, Koolaupoko	4-1-24:62 & 63	6.862	A - Int. Ag.	640.00
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 & 24	34.538	A - Int. Ag.	2,600.00
S-4008	Walter F.L. & Evelyn Z. Chong	9/11/66-9/11/86	Lot 38, Waimanalo Ag Subdv., Koolaupoko	4-1-27:14	20.395	A - Int. Ag.	960.00
S-4009	Char Hung Sut Fish Farms	9/12/66-9/11/86	Lot 28, Waimanalo Farm Lots, Koolaupoko	4-1-24:54	9.454	A - Int. Ag.	800.00
S-4010	Arnold & Louise Swartz	9/12/66-9/11/86	Lot 67, Waimanalo Farm Lots, Koolaupoko	4-1-18:40	7.021	A - Int. Ag.	1,030.00
S-4011	Matsuko Beveridge	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 & Harriet Towne Gega	3/20/67-2/19/97	Lot 44, Waimanalo Ag Subdv., Koolaupoko	4-1-27:02	1.002	A - Int. Ag.	450.00
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	Foremost Dairies-Hawaii, Ltd.	7/20/67-7/19/97	Waimanalo Ag Subdv., Koolaupoko	4-1-08:Por. 05 4-1-26:04	195.810	A - Int. Ag.	8,100.00
S-4133	Joseph N.A. Ryan, Jr.	10/26/67-10/25/87	Lot 49, Waimanalo Ag Subdv., Koolaupoko	4-1-26:15	8.450	A - Int. Ag.	2,000.00
S-4296	Ernest F. and Donna Carlhom	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	Donald R. & Virginia M. Hillis	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-4305	Francis Y. Yoshida	5/19/70-5/18/2035	Waimanalo, Koolaupoko	4-1-10:74	.049	A - Unclass. ROW	3.30
(D)S-4342	Hawaii Housing Authority	12/22/71-12/21/2046	Parcel A-1 Por. Gov't Crown Land	4-1-09	3.525	U - Res.	1.00 Full Term
S-4877	Toshio Sugita	7/18/83-7/17/2018	Portion of Crown Land, Waianae	8-5-05:09 & 11	35.500	A - Int. Ag.	7,000.00
(D)S-4882	Pearl City Highlands Holiness Church	8/15/84-8/14/2039	Manana-Nui, Ewa	9-7-20:31	.813	U - Unclass. Elee.	3,000.00

## GENERAL LEASES

## ISLAND OF OAHU

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4883	Glenn Masuo & Harriet Miek Masunaga	6/30/76-6/29/97	Makiki, Honolulu	2-4-32:por. 1		- Unclass. Easement	236.00
(D) S-4884	George Ni	12/28/83-11/30/2048	Lot 1, Maunalaha Hmstds., Opu, Makiki, Honolulu	2-5-19:por.	.930	C - Res.	120.00
(D) S-4885	Melvyn K. Aila	12/28/83-11/30/2048	Lot 2, Maunalaha Hmstds., Opu, Makiki, Honolulu	2-5-20:por.	.780	C - Res.	120.00
(D) S-4886	Katherine K. Uehara	12/28/83-11/30/2048	Lot 3, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19&20:por.	.490	C - Res.	120.00
(D) S-4887	Winona B. Maka	12/28/83-11/30/2048	Lot 4, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19&20:por.	.590	C - Res.	120.00
(D) S-4888	Herman L.K. Brandt	12/28/83-11/30/2048	Lot 5, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-20:por.	.640	C - Res.	120.00
(D) S-4889	Hennessey J. Brown	12/28/83-11/30/2048	Lot 6, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.490	C - Res.	120.00
(D) S-4890	Gulstan Crawford	12/28/83-11/30/2048	Lot 7, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.440	C - Res.	120.00
(D) S-4891	Alfred K. Fountain	12/28/83-11/30/2048	Lot 8, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.860	C - Res.	120.00
(D) S-4892	Thomas H. & Joan A. Kaaiai	12/28/83-11/30/2048	Lot 9, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19&20:por.	.480	C - Res.	120.00
(D) S-4893	William W.A. & Diane H. Kaaiai	12/28/83-11/30/2048	Lot 10, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.290	C - Res.	120.00
(D) S-4894	Julia Minerva Kaawa	12/28/83-11/30/2048	Lot 11, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	.750	C - Res.	120.00
(D) S-4895	Arthur K. Kaleikini	12/28/83-11/30/2048	Lot 12, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	1.040	C - Res.	120.00
(D) S-4896	Joseph K. Kaleikini	12/28/83-11/30/2048	Lot 13, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.820	C - Res.	120.00
(D) S-4897	Charlotte Maile Ohira	12/28/83-11/30/2048	Lot 14, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.640	C - Res.	120.00
(D) S-4898	Emma K. Kalima	12/28/83-11/30/2048	Lot 15, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.820	C - Res.	120.00
(D) S-4899	David Keau Moses	12/28/83-11/30/2048	Lot 16, Maunalaha Homesites, Opu Makiki, Honolulu	2-5-19:por.	.350	C - Res.	120.00
(D) S-4900	May K. Kealoha	12/28/83-11/30/2048	Lot 17, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	1.250	C - Res.	120.00
(D) S-4901	Leinaala M. Lopes	12/28/83-11/30/2048	Lot 18, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	1.300	C - Res.	120.00
(D) S-4902	Bonnie-Lee H. Shea	12/28/83-11/30/2048	Lot 19, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-20:por.	.520	C - Res.	120.00
(D) S-4903	Andrew P. Makua	12/28/83-11/30/2048	Lot 20, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	1.140	C - Res.	120.00

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4904	James K. Moses, Jr.	12/28/83-11/30/2048	Lot 21 & 21-A, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	1.300	C - Res.	120.00
(D)S-4905	Charlotte K. Needham	12/28/83-11/30/2048	Lot 22, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	.640	C - Res.	120.00
(D)S-4906	Helen Simeona Oku	12/28/83-11/30/2048	Lot 23, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-14&20:por.	.320	C - Res.	120.00
(D)S-4907	Julia K. Polelia	12/28/83-11/30/2048	Lot 24, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	.280	C - Res.	120.00
(D)S-4908	Mary K.H. Lopez Palomo	12/28/83-11/30/2048	Lot 25, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19&20:por.	.280	C - Res.	120.00
(D)S-4909	James M. Perry	12/28/83-11/30/2048	Lot 26, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	.360	C - Res.	120.00
(D)S-4910	George H. Santana	12/28/83-11/30/2048	Lot 27, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	.240	C - Res.	120.00
(D)S-4911	William K. & Mary K. Spencer	12/28/83-11/30/2048	Lot 28, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19&20:por.	.520	C - Res.	120.00
(D)S-4912	Lydia K. Ulii	12/28/83-11/30/2048	Lot 29, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	.700	C - Res.	120.00
(D)S-4913	Arnold P. Spencer	12/28/83-11/30/2048	Lot 30, Maunalaha Homesites, Opu, Makiki, Honolulu	2-5-19:por.	.400	C - Res.	120.00
S-4914	Kahaluu Pond, Inc.	3/1/84-2/28/2014	Kahaluu, Koolaupoko,	4-6-11:por. of Kaneohe Bay	.718	C - Unclass. Fasement	2,500.00 Full Term paid
(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.4		U - Unclass.	Gratis
(D)S-4917	City & County of Honolulu, Dept. of Transportation Svcs.	1/28/83-1/27/2038	Makiki, Honolulu	2-4-22:17, 25, 28, & 33	.458	U - Rec.	1.00

SUMMARY OF GENERAL LEASES  
FOURTH LAND DISTRICT - ISLAND OF KAUAI

Fiscal Year 1983-84

<u>1/</u> Use	Area (Acres)	Annual Rental	<u>2/</u> No. of Leases
Intensive agriculture use	38,253.690	628,528.00	44
Special livestock use	-----	-----	---
Pasture use	2,626.754	37,098.00	29
Commercial timber use	-----	-----	---
Quarry use	-----	-----	---
Mining use	-----	-----	---
Recreational use	36.627	681.00	4
Watershed use	131.250	98,400.00	3
Res. use	124.540	36,075.00	123
Commercial and industrial use	64.425	97,210.00	27
Hotel, apartment and motel use	6.068	49,800.00	2
Resort use	-----	-----	---
Unclass. uses	634.945	85,796.10	46
Totals	41,878.299	1,033,588.10	278

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

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

GENERAL LEASES

ISLAND OF KAUAI

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3629	Saiva Siddhanta Church	3/15/61- 3/14/86	Adj. to Lot 30, Wailua Hmstds., Puna	4-2-02:114	2.960	C - Rec.	435.00
S-3649	Betty M. Ching	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.	435.00
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.	1,000.00
S-3679	William K. Lemm	12/18/61- 12/17/91	Anahola Lots, Koolau	4-8-08:32	2.610	U - Res.	240.00
S-3680	Lihue Plantation Co., Ltd.	12/18/61- 12/17/86	Wailua Rice & Kula Lots, Wailua, Puna	3-9-02:09	5.430	A - Int. Ag.	220.00
S-3694	Shoichi Nagamine	1/27/62- 1/26/92	Hanapepe Valley, Waimea, Kona	1-9-03:06	7.826	A - Int. Ag.	190.00
(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, Puopae, Waimea, Kekaha & Hanapepe Valley	1-2-02 & Por. 01 1-8-07 & Por. 03		A - Unclass. County	Gratis

## GENERAL LEASES

## ISLAND OF KAUAI

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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.	355.00
S-3815	Joseph S. Brun & Joseph Rita	6/12/64-6/11/84	Section E, Hanapepe, Waimea, Kona	1-8-06:03	287.130	A - Pasture	810.00
S-3827	East Kauai Water Co., Ltd.	5/11/64-5/10/94	Drainage Basins of N. Wailua, Kapaa, Anahola & Hanalei Rivers, Kapaa, Halelelea	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	90,000.00	
S-3828	Lihue Plantation Co., Ltd.	5/11/64-5/10/94	Por. Molooa For. Res. Papaa, Molooa, Kawaihau	4-9-01:por 1	125.000	C - Watershed License	2,400.00
S-3831	Kauai Resort Hotel	5/18/64-5/17/2029	Wailua Resort Site, Lihue	3-9-06:16	2.497	U - Com/Ind.	10,500.00
S-3832	Ichiji & Masako Matsumura	5/18/64-5/17/2019	Por. Kapaa, Kawaihau	4-5-11:46	.593	U - Com/Ind.	1,890.00
S-3840	Kauai Resort Hotel, Inc.	7/06/64-7/05/2029	Wailua resort Site, Wailua	3-9-06:20	6.093	U - Com/Ind.	18,000.00
S-3842	Bank of Hawaii	7/06/64-7/05/94	Hanapepe Town Lots, Waimea	1-9-05:49	.452	U - Com/Ind.	1,500.00
(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 - Rec.	125.00
S-3878	Ume N. Oshita	1/11/65-1/10/85	Anahola Lots (HHL)	4-8-11:45	2.357	A - Int. Ag.	300.00
(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	26.00
S-3880	Olaf E. Thronas	1/11/65-1/10/85	Wailua Rice & Kula Lots, Wailua Kawaihau	3-9-03:05 & 10	13.830	A - Pasture	148.00
S-3881	Samuel K. Thronas	2/09/65-2/08/85	Wailua Rice & Kula Lots, Wailua, Kawaihau	4-2-03:03	19.405	A - Pasture	637.00
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.	350.00
S-3885	Manuel Andrade, Jr.	3/19/65-3/18/85	Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-12:05	3.080	A - Int. Ag.	528.00
S-3889	Edward C. Shota	3/26/65-3/25/85	Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:01, 03 & 04	12.300	A - Int. Ag.	670.00

## GENERAL LEASES

## ISLAND OF KAUAI

Fiscal Year 1983-84

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3892	Masao Takatsuki	1/25/65- 1/24/85	Wailua Rice & Kula Lots, Wailua Kawaihau	4-1-01:12	6.150	A - Int. Ag.	219.00
S-3893	Koon Chow Lai	1/25/65- 1/24/85	Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:07	16.850	A - Int. Ag.	360.00
S-3895	William E. Fernandes	1/25/65- 1/24/85	Hanalei Hmstds., Hanalei	5-4-02:33 & 42	7.300	A - Int. Ag.	185.00
S-3910	Betty Wakasa Ushigome	4/14/65- 4/13/85	Hanapepe Town Lots, Hanapepe	1-9-10:38	.095	A - Com/Ind.	757.00
(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	C - 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.	925.00
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-3943	Joseph H. Chu	11/16/65- 11/15/85	Hanapepe Rice & Kula Lots, Waimea	1-9-02:19	1.140	A - Int. Ag.	98.00
S-3944	John S. Rodrigues	11/16/65- 11/15/85	Kapaa, Kawaihau Puna	4-6-08:35	3.995	A - Div. Ag.	80.00
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-3956	Keith H. Williams & Leroy H. Shepard dba Alii Farms	3/19/66- 3/18/2001	Kapaa Hmstds., Kawaihau, Puna	4-6-05:02	4.410	A - Int. Ag.	150.00
S-3958	Edwin Martin	3/19/66- 3/18/86	Kapaa Hmstds., Kawaihau, Puna	4-6-04:14	9.500	A - Pasture	400.00
S-3959	Frank D. Silva	3/19/66- 3/18/86	Kapaa Rice & Kula Lots, Kawaihau Puna	4-3-04:09	25.710	A - Pasture	703.00
S-3960	Hitoshi & Hatsue K. Miyabara	2/17/66- 2/16/86	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-02:01 & 20	3.657	A - Int. Ag.	329.00
S-3969	Eleanor K. Takeuchi & Akira Obatake	5/26/66- 5/25/86	Hanapepe Town Lots, Waimea, Kona	1-9-05:41	.148	U - Com/Ind.	600.00
S-3970	Lawrence & Daisy Vidinha	5/26/66- 5/25/86	Hanapepe Rice & Kula Lots, Waimea Kona	1-8-05:08	22.650	A - Pasture	162.00
S-3972	John S. Rodrigues	5/26/66- 5/25/86	Kapaa Hmstds., Kawaihau, Puna	4-6-08:23 & 24	33.000	A - Int. Ag.	466.00
S-3973	Leialoha Dung	5/26/66- 5/25/2031	Lot 25, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-01:Por. 11	.174	A - Unclass. ROW	6.50
S-3974	Patrick M. Cockett	5/26/66- 5/25/86	Hanalei Hmstds., Hanalei	5-4-02:26	13.070	A - Pasture	305.00

## 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-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.	248.00
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-3988	W. Montague Downs	7/14/66-7/13/86	Por. Kapaa Hmstds., Kawaihau, Puna	4-6-03:22 & 23	18.110	A - Int. Ag.	536.00
S-3991	Ernest Palmeira	7/14/66-7/13/86	Por. Kapaa Hmstds., Kawaihau, Puna	4-6-03:01	15.560	A - Pasture	380.00
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
S-3995	Peter H. & Helen H. Souza	7/14/66-7/13/86	Por. Kapaa Rice & Kula Lots, Kawaihau	4-5-15:08	10.426	A - Int. Ag.	240.00
S-4021	Manuel J. Fernandes	11/17/66-11/16/86	Spring Res., Kalaheo, Koloa	2-4-01:05 2-4-02:01	1.760	A - Pasture	65.00
(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	6.00
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.	1,200.00
(D)S-4031	William P. Alexander, Jr. Benjamin Alexander & Henry Alexander	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:28	.920	C - Res.	171.00
(D)S-4033	Lawrence & Daisy R. Vidinha	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:21	.900	C - Res.	179.00
(D)S-4034	Edward & Jeanne N. Starwood	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:46	.790	C - Res.	182.00
(D)S-4035	Charles E. Thompson & Sue Ellen Thompson	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:13	.990	C - Res.	197.00
(D)S-4036	Timothy Cole Porter	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:05	1.070	C - Res.	374.00
(D)S-4037	James W. & Melodie C. Luske	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:22	.910	C - Res.	276.00
(C)S-4038	Charles J. Haffner	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:43	1.030	C - Res.	216.00
(D)S-4039	Burt O. & Marion C. Wade	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:52	1.030	C - Res.	226.00
(D)S-4041	Joseph J. DeCosta, Sr. & Jean E. Nadatani	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:59	1.010	C - Res.	211.00
(D)S-4042	Manuel B. & Katherine Martin	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:60	1.010	C - Res.	201.00
(D)S-4043	Hawaiian Assoc. of Seventh-Day Adventists	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:56	1.110	C - Res.	267.00
(D)S-4046	Joaquin Sr. & Lucy C. Arruda	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:68	1.120	C - Res.	232.00
(D)S-4047	Ah Wo & Hatsue Ahana Calvin & Phillis Tokita	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:69	1.080	C - Res.	228.00
(D)S-4051	John F. & Gay Lee Bylander	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-03:04	.960	C - Res.	239.00
(D)S-4059	John C. & Dorothy Ann F. Hance	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:20	.840	C - Res.	222.00

## 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
(D)S-4069	Alfred J. & Elizabeth K. Toulon & Wilfred J. & Ann K. Baldwin	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-03:03	.960	C - Res.	239.00
(D)S-4072	Maurice & Arleen H. Contrades	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-05:45	.290	C - Res.	123.00
(D)S-4078	Kenneth Page Richards	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:47	.440	C - Res.	133.00
(D)S-4083	Kenji & Winifred S. Ego	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:35	.930	C - Res.	246.00
(D)S-4085	Melvin P. & Annie K. Christian	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:30	.650	C - Res.	205.00
(D)S-4086	Frank O. Hay, Jr.	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:43	.900	C - Res.	254.00
(D)S-4089	David Cornwell	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:09	1.320	C - Res.	247.00
(D)S-4091	Betty W.S.Orrick	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:11	.310	C - Res.	91.00
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	2,030.00
(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.	120.00
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
(D)S-4142	Hawaii Conference of the United Church of Christ	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:27	.500	C - Res.	160.00
(D)S-4144	Donn A. & Gale F. Carswell	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:28	1.000	C - Res.	256.00
(D)S-4150	Gerald M. Sanchez	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:59	.580	C - Res.	186.00
(D)S-4152	Calvin I. & Charlene R. Hoe	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:53	.540	C - Res.	177.00
(D)S-4155	William M. & Jean B. Moragne, Jr.	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:31	.970	C - Res.	183.00
(D)S-4156	Hajime & Kimiyo O. Takanishi	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:18	.970	C - Res.	203.00
(D)S-4157	Carlo Panfiglio	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:32	1.130	C - Res.	210.00
(D)S-4158	Maiden E. Temple	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:16	1.060	C - Res.	215.00
(D)S-4159	Hong Shin & Lin Kiu Hee	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:41	.990	C - Res.	249.00
(D)S-4162	Hawaii Methodist Union	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:24 & 87	3.050	C - Res.	606.00
(D)S-4167	Wayne M. Sakai & Dennis M. Sakai	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:14	.890	C - Res.	177.00
(D)S-4168	Marvin A. Brennecke	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:04	1.040	C - Res.	279.00
(D)S-4169	Arthur G. & Mary T. Kruse	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:10	1.000	C - Res.	199.00
(D)S-4170	Shigeo & Hisako U. Nitta	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:08	.850	C - Res.	190.00

## 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
(D)S-4172	Jan W. TenBruggencate James C. Richardson & Margaret J. Watt	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:40	1.000	C - Res.	136.00
(D)S-4174	William & Helen S. Vierra	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:36	1.120	C - Res.	255.00
(D)S-4175	James K. & Shizue Okada, Yoshimasa & Edith Fujimura	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:34	1.150	C - Res.	212.00
(D)S-4176	George A. & Martha S. Kruse	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:42	1.000	C - Res.	220.00
(D)S-4177	Mary Lou Noenoelani Lewis	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:35	1.010	C - Res.	233.00
(D)S-4178	Kiyoshi & Julia Nakaya	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:51	1.050	C - Res.	204.00
(D)S-4179	Richard Kawakami, Akira Toma & Edward M. Kawakami	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:61	.950	C - Res.	193.00
(D)S-4180	Richard H. Nagoshi Wallace K. & Yuriko N. Tasaka	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:66	.870	C - Res.	147.00
(D)S-4181	Sutezo & Hatsue I. Mukai	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:67	.790	C - Res.	174.00
(D)S-4182	Mervin K. & Aletha Goodwin Kaohi, Sr.	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:71	.900	C - Res.	188.00
(D)S-4183	Henry T. & Michie S. Tanaka	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:73	.960	C - Res.	185.00
(D)S-4184	Isaac W. & Gladys Y. Kaiu	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:75	.980	C - Res.	164.00
(D)S-4185	Alec & Agnes L. Blackstad	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:79	1.110	C - Res.	209.00
(D)S-4186	Doris F. & George K. Crowell	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:81	1.000	C - Res.	209.00
S-4200	William E. Fernandes	8/01/68- 7/31/2023	Kawaihau (Puna)	4-5-15:40	2.035	U - Com/Ind.	825.00
(D)S-4214	Hui O Laka	1/01/66- 12/31/85	Puu Ka Pele, Waimea	1-4-02:45	.720	C - Res.	187.00
S-4222	Kekaha Sugar Co., Ltd.	1/01/69- 12/31/93	Waimea (inc. HIL) (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 <hr/> 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.	250.00
(D)S-4265	Kauai Electric Co., Ltd.	3/15/66- 3/14/2031	Wailua, Lihue	3-9-06:26	.158	U - Unclass. RCW	288.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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.	650.00
S-4396	James George Jung, Jr., Ralph E. Dachler, Jean Gregg, Chester Holtwick & Derwyn Lackey	1/18/74- 1/17/94	Kapaa Hmstds., Kawaihau (Puna)	4-4-02:31	19.150	A - Pasture	1,305.00
S-4397	Manji & Emma C. Ouye	1/20/73- 12/19/2038	Nawiliwili Harbor Nawiliwili, Lihue Puna	3-2-04:56	.808	U - 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 Taiheiyō Kyokai	9/01/75- 8/31/2040	Kapaa Town Lots, Kapaa, Kawaihau	4-5-08:08	.347	U - Unclass.	1,680.00
S-4480	Frank Souza & Emily Martin Souza	1/01/75- 12/31/85	Lots 60 & 63, Kokee Camp Site, Kokee, Waimea	1-4-04:01	.660	C - Res.	276.00
(D)S-4489	Henry I & Margaret K. Nosaka & Wallace K & Mikie N. Karimoto	1/01/76- 12/31/85	Puu Ka Pele, Waimea	1-4-02:30	.730	C - Res.	162.00

## 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-4490	David W. Pratt	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:29	1.020	C - Res.	240.00
(D)S-4491	Maria K. Cox	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:47	.950	C - Res.	204.00
(D)S-4492	James M. & Roselle Bailey, et al.	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:20	1.000	C - Res.	252.00
(D)S-4493	Masako Y. Kitamura & Hisao Munechika	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:25	1.050	C - Res.	216.00
(D)S-4494	Peter & Virginia Kama, Sr., & Peter Kama, Jr.	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:26	1.030	C - Res.	240.00
(D)S-4495	John Tenuto & Gayla C. McCarthy	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:27	.820	C - Res.	186.00
(D)S-4496	Lawrence L. & Annie Goodwin	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:15	1.030	C - Res.	216.00
(D)S-4497	Robert L. Stevens	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:39	1.000	C - Res.	192.00
(D)S-4498	Agnes K. Hamada	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:86	.820	C - Res.	174.00
(D)S-4499	Lawrence E. & Cheryl M. Jordan	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:85	.990	C - Res.	204.00
(D)S-4500	Valdemar Knudsen	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-03:01 & 02	3.660	C - Res.	540.00
(D)S-4501	Albert J. & Helen M. Kocher	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-03:05	.810	C - Res.	180.00
(D)S-4502	Howard D. & Norma Briner	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:38	1.660	C - Res.	276.00
(D)S-4503	Patricia Smith Rice	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:19	1.900	C - Res.	366.00
(D)S-4504	Nancy Young Cooper, et al.	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:05	1.110	C - Res.	234.00
(D)S-4505	Maile Jean Marcaillino Taylor	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:07	.620	C - Res.	126.00
(D)S-4506	Kenneth Roberts & Catherine Kerr Harding	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:10	1.110	C - Res.	240.00
(D)S-4507	Patricia Joan O'Neal Rea & Ruben J. Rea	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-03:17	.580	C - Res.	132.00
(D)S-4508	Kenneth T. & Claire T. Ferreira	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:36	.830	C - Res.	174.00
(D)S-4509	Manuel S. & Mae Andrade, Jr.	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:42	.700	C - Res.	138.00
(D)S-4510	Elizabeth Boynton	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:62	.530	C - Res.	126.00
(D)S-4511	Richard B. Roberts	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:69	.560	C - Res.	126.00
(D)S-4512	George R. & Leoncia M. Susterich	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:63	.540	C - Res.	120.00
(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

## 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
(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.	560.00
(D)S-4572	U.S.A.	6/01/77-5/31/97	Nawiliwili, Lihue	3-1-01:1	.021	U - Unclass.	Gratis
(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
(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.	5,280.00
(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	James George Wetherill	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	2,200.00
(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	65.00 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	Fort Associates Limited Partnership	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	Kauai Resort Hotel, Inc.	5/16/80-7/5/2029	Wailua, Lihue	3-9-06:16	1.770	U - Unclass.	9,714.00
S-4648	Dale M. Matsumura	6/15/80-6/14/95	Kapaa, Kawaihau	4-5-12:5	.221	U - Unclass.	2,900.00
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-4653	Kauai Hydro Seeding & Landscaping	5/16/80-5/15/2000	Wailua, Kawaihau (Puna)	4-2-01:por. 3	42.053	A - Int. Ag.	5,800.00
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
(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.	1,800.00
S-4675	Kekaha Sugar Company, Limited	1/1/80-12/31/85	Puu Ka Pele, Waimea	1-4-02:12	.840	C - Res.	360.00
S-4676	The Lihue Plantation Company, Limited	1/1/80-12/31/85	Puu Ka Pele, Waimea	1-4-02:48	.960	C - Res.	456.00
S-4677	Grove Farm Co., Inc.	1/1/80-12/31/85	Kokee Camp Site, Waimea	1-4-03:08	1.120	C - Res.	504.00
S-4678	Kikiaola Land Company, Limited	1/1/80-12/31/85	Kokee Camp Site, Waimea	1-4-03:12	2.000	C - Res.	915.00
S-4694	Harvey S. Garcia & Priscilla J. Garcia	1/1/80-12/31/85	Lot 37, Puu Ka Pele Waimea (Kona)	1-4-02:44	.880	C - Res.	408.00
S-4695	Jennie Lee Lyum & Harold Hyung Hui Lyum, & Leslie M.H. Lyum	1/1/80-12/31/85	Lot 79, Puu Ka Pele Waimea (Kona)	1-4-04:76	1.150	C - Res.	528.00
S-4699	Salvatore Bosco	1/1/81-12/31/85	Lot 85, Kokee Camp Site, Waimea	1-4-04:58	.790	C - Res.	360.00
S-4700	Tsukasa & Mitsuyo U. Miyake	1/1/81-12/31/85	Lot 63, Puu Ka Pele Waimea (Kona)	1-4-02:63	.900	C - Res.	411.00
S-4701	J.A. Roesch & Ruth W. Roesch	1/1/81-12/31/85	Lot 58, Kokee Camp Site, Waimea	1-4-04:24	1.030	C - Res.	471.00
S-4702	Ginevra C. Waterhouse	1/1/81-12/31/85	Lot 67, Kokee Camp Site, Waimea	1-4-04:46	.500	C - Res.	228.00
S-4703	Gregory D. Bridges & Sheryl A. Bridges	1/1/81-12/31/85	Lot 92, Kokee Camp Site, Waimea	1-4-04:41	.530	C - Res.	243.00
S-4705	Craig Darius Whitesell & Carol Beaumont Whitesell	1/1/81-12/31/85	Lot 4, Kokee Camp Site, Waimea	1-4-03:14	1.050	C - Res.	480.00
S-4706	Edwin T. Petteys, Hong Lin W. Petteys & Edwin Q.P. Petteys and Lottie K.L. Wolff & Charles Q.S. Petteys	1/1/81-12/31/85	Lot 72, Kokee Camp Site, Waimea	1-4-04:68	.560	C - Res.	255.00
S-4707	Andres Fernandez & Dwayne Fernandez	1/1/81-12/31/85	Lot 84, Kokee Camp Site, Waimea	1-4-04:55	.670	C - Res.	306.00
S-4708	Hideo L. Nakamura & Shigeyo O. Nakamura	1/1/81-12/31/85	Lot 15, Puu Ka Pele Waimea (Kona)	1-4-02:23	1.020	C - Res.	465.00
S-4709	Roberta I. Faye	1/1/81-12/31/85	Lot 50, Kokee Camp Site, Waimea	1-4-03:11	.800	C - Res.	366.00
S-4710	Bonnie C. Dunford & William S. Dunford	1/1/81-12/31/85	Lot 47, Kokee Camp Site, Waimea	1-4-04:03	1.210	C - Res.	552.00
S-4711	Ritchie A. Gentry & Mary S. Gentry	1/1/81-12/31/85	Lot 53, Kokee Camp Site, Waimea	1-4-04:44	1.440	C - Res.	660.00
S-4712	Satoru Kudaishi & Jean M. Kudaishi	1/1/81-12/31/85	Lot 39, Kokee Camp Site, Waimea	1-4-04:06	.770	C - Res.	351.00
S-4713	Marguerite Gilmore Laidlaw & Gerry Ann Laidlaw	1/1/81-12/31/85	Lot 43, Kokee Camp Site, Waimea	1-4-04:8	.690	C - Res.	315.00
S-4714	Juliet Rice Wichman	1/1/81-12/31/85	Lot 33, Kokee Camp Site, Waimea	1-4-04:18	.680	C - Res.	312.00
S-4715	Anna L. Knapp	1/1/81-12/31/85	Lot 62, Puu Ka Pele Waimea (Kona)	1-4-02:62	1.050	C - Res.	480.00
S-4716	Dorothy Pauline Clark	1/1/81-12/31/85	Lot 29, Kokee Camp Site, Waimea	1-4-04:21	.710	C - Res.	324.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4718	Gaylord H. Wilcox & Harold M. Wilcox	1/1/81-12/31/85	Lot 54, Kokee Camp Site, Waimea	1-4-04:12	.400	C - Res.	183.00
S-4719	Richard Vidinha & Concepcion Vidinha	1/1/81-12/31/85	Lot 81, Kokee Camp Site, Waimea	1-4-04:60	.550	C - Res.	252.00
S-4720	Conrado Edayan	1/1/81-12/31/85	Lot 89, Kokee Camp Site, Waimea	1-4-04:54	.470	C - Res.	216.00
S-4721	Ralph Edwin Daehler & Patricia Lillian Daehler	1/1/81-12/31/85	Lot 22, Kokee Camp Site, Waimea	1-4-04:13	.510	C - Res.	231.00
S-4722	Frederick C. Ralston	1/1/81-12/31/85	Lot 5, Kokee Camp Site, Waimea	1-4-03:16	.980	C - Res.	447.00
S-4723	Hong Min Hee & Violet C.L. Hee	1/1/81-12/31/85	Lot 12, Kokee Camp Site, Waimea	1-4-03:10	2.000	C - Res.	915.00
S-4724	Anna J. Hansen	1/1/81-12/31/85	Lot 11, Kokee Camp Site, Waimea	1-4-03:7	1.470	C - Res.	672.00
S-4728	Kathryn Anne McLarn	1/1/81-12/31/85	Lots 8 & 37, Kokee Camp Site, Waimea	1-4-04:14	1.200	C - Res.	549.00
S-4729	John Harry Rice Plews	1/1/81-12/31/85	Lot 34, Kokee Camp Site, Waimea	1-4-04:17	1.010	C - Res.	462.00
S-4730	John Harry Rice Plews	1/1/81-12/31/85	Lots 35 & 36, Kokee Camp Site, Waimea	1-4-04:16	1.460	C - Res.	666.00
S-4731	Harwood D. Williamson & Nancy H. Williamson	1/1/81-12/31/85	Lot 15, Kokee Camp Site, Waimea	1-4-03:13	1.820	C - Res.	831.00
S-4732	Kathryn T. Dinham	1/1/81-12/31/85	Lot 64, Kokee Camp Site, Waimea	1-4-04:40	1.070	C - Res.	489.00
S-4733	Michael A. Givens	1/1/81-12/31/85	Lot 10, Kokee Camp Site, Waimea	1-4-03:9	1.420	C - Res.	648.00
S-4734	William Montague Downs & Ann Howard Downs	1/1/81-12/31/85	Lot 54, Puu Ka Pele Waimea (Kona)	1-4-02:54	1.050	C - Res.	480.00
S-4735	James F. Hackett	1/1/81-12/31/85	Lot 91, Kokee Camp Site, Waimea	1-4-04:48	.580	C - Res.	264.00
S-4736	Leonard H. Zalopany, Jr.	1/1/81-12/31/85	Lot 9, Kokee Camp Site, Waimea	1-4-03:06	.790	C - Res.	360.00
S-4737	Robert Lee Miller & Dian Ewart Miller	1/1/81-12/31/85	Lots 42 & 44, Kokee Camp Site, Waimea	1-4-04:04	1.440	C - Res.	657.00
S-4738	August Camara, Elizabeth H. Camara, Manuel Camara, Pearl L. Camara, Ernest Camara & Catherine P. Camara	1/1/81-12/31/85	Lot 69, Kokee Camp Site, Waimea	1-4-04:46	.500	C - Res.	228.00
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	Fort Associates Limited Partnership	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.	1,000.00
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	4,000.00
S-4747	William A. Fontana, Sr. & Mary A. Fontana	1/1/81-12/31/85	Lot 53, Puu Ka Pele Waimea (Kona)	1-4-02:53	1.030	C - Res.	468.00
S-4777	Lee Sandau	1/2/82-1/1/97	Lot 34, Kapaa Hmstds., First Series, Kapaa	4-6-04:13	5.750	U - Int. Ag.	1,600.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 3-9-02:por. 30	3-9-04:1;	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	21.330	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-4784	Sam H. & Dorothy M. Tao	1/1/81-12/31/85	Kokee Camp Site, Waimea	1-4-04:52	.590	C - Res.	270.00
S-4785	Carol Ward Aki	7/23/81-7/22/2001	Lot 87, Kapaa Hmstds., First Series, Kapaa	4-6-03:4 & 10	13.320	A - Int. Ag.	1,000.00
S-4835	Albert K. Kauai	11/6/81-11/15/2038	Kapaa River Rem. B,	4-6-09:32 & 50	.360	A - Unclass.	275.00 Full Term
S-4855	Koichi & Asayo Ikeda	1/1/81-12/31/85	Lot 93, Kokee Camp Site Lots, Waimea, Kona	1-4-04:50	.420	C - Res.	192.00
(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-4860	Gerald M. Sanchez	5/28/83-5/27/1998	Part 1, Waialua Pasture Land, Wailua, Kawaihau	4-1-09:5 & 6	10.444	A - Int. Ag.	3,000.00
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 Schlienz	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
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	Govt 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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4872	George B. Fernandes	5/28/83- 5/27/1998	Por. of Govt 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	4/01/83- 3/31/1998	Lots A, C, D, E & F Kokee State Pk, Waimea, (Kona)	1-4-04:32,73,	5.213	C - Hotel, Apt. & Motel Use	42,000.00
S-4878	Fort Associates Limited Partnership	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.	1,530.00
S-4913-A	Pioneer Hi-Bred International, Inc.	12/29/83- 7/15/2016	Por. Govt. (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-	Wailua River	3-9-02, 03 & 04	.008	C - Com/Ind.	19,800.00



## **COVER**

The department manages both the Wahiawa Public Fishing Area and the adjoining Wahiawa Freshwater State Recreation Area.