

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

REPORT
TO THE
GOVERNOR
1984-85



Left to right:



Roland H. Higashi
(Hawaii)

Susumu Ono, Chairman
(At Large)

Leonard H. Zelopany
(Kauai)

J. Douglas Ing
(Oahu)

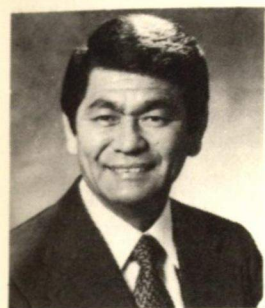
John Y. Arisumi
(Maui)

Moses W. Kealoha
(At Large)

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, historic sites, forests, forest reserves, aquatic life and aquaculture programs, aquatic life sanctuaries, public fishing areas, wildlife, wildlife sanctuaries, game management areas, public hunting areas, natural area reserves, and other functions assigned by law.

GEORGE R. ARIYOSHI
GOVERNOR OF HAWAII



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 pleased to submit to you our Annual Report for the Fiscal Year 1984-1985. Our many accomplishments were made possible because of your leadership and the support of the Legislature.

The cover photo which shows Marine Culture Enterprises and Amorient Aquafarm, considered to be the largest shrimp farm and prawn farm, respectively, in the United States, illustrates what private/public sector cooperation can do.

We joined with the private sector and other public agencies in planting "A Million Trees of Aloha," a tree planting project commemorating the 100th anniversary of the immigration of Japanese contract laborers (Kanyaku Imin) to Hawaii and the 150th anniversary of the founding of Hawaiian Sugar Planters Association. This project was co-chaired by First Lady Mrs. Jean Ariyoshi and Mr. John "Doc" Buyers, President of C. Brewer and Company.

During the year, we moved closer to establishing subzones for the development of geothermal energy. Also, three 18-inch water wells were successfully drilled in Mililani mauka having an aggregate capacity of approximately 5 million gallons per day. In efforts to locate new sources of water, the State Administration prepared initial plans to construct a demonstration desalting plant on Oahu.

Finally, this report cites progress in acquiring sites for public purposes such as Kawainui Marsh on Oahu, Big Beach on Maui, and Kealahou Bay on Hawaii.

The term of Mr. Thomas S. Yagi, Maui Board Member, expired. We owe him our deepest appreciation for his selfless devotion to duty and work well done. Mr. Yagi was succeeded by Mr. John Y. Arisumi.

Sincerely,

A handwritten signature in dark ink, appearing to read "Susumu Ono". The signature is fluid and cursive, with a large initial "S" and "O".

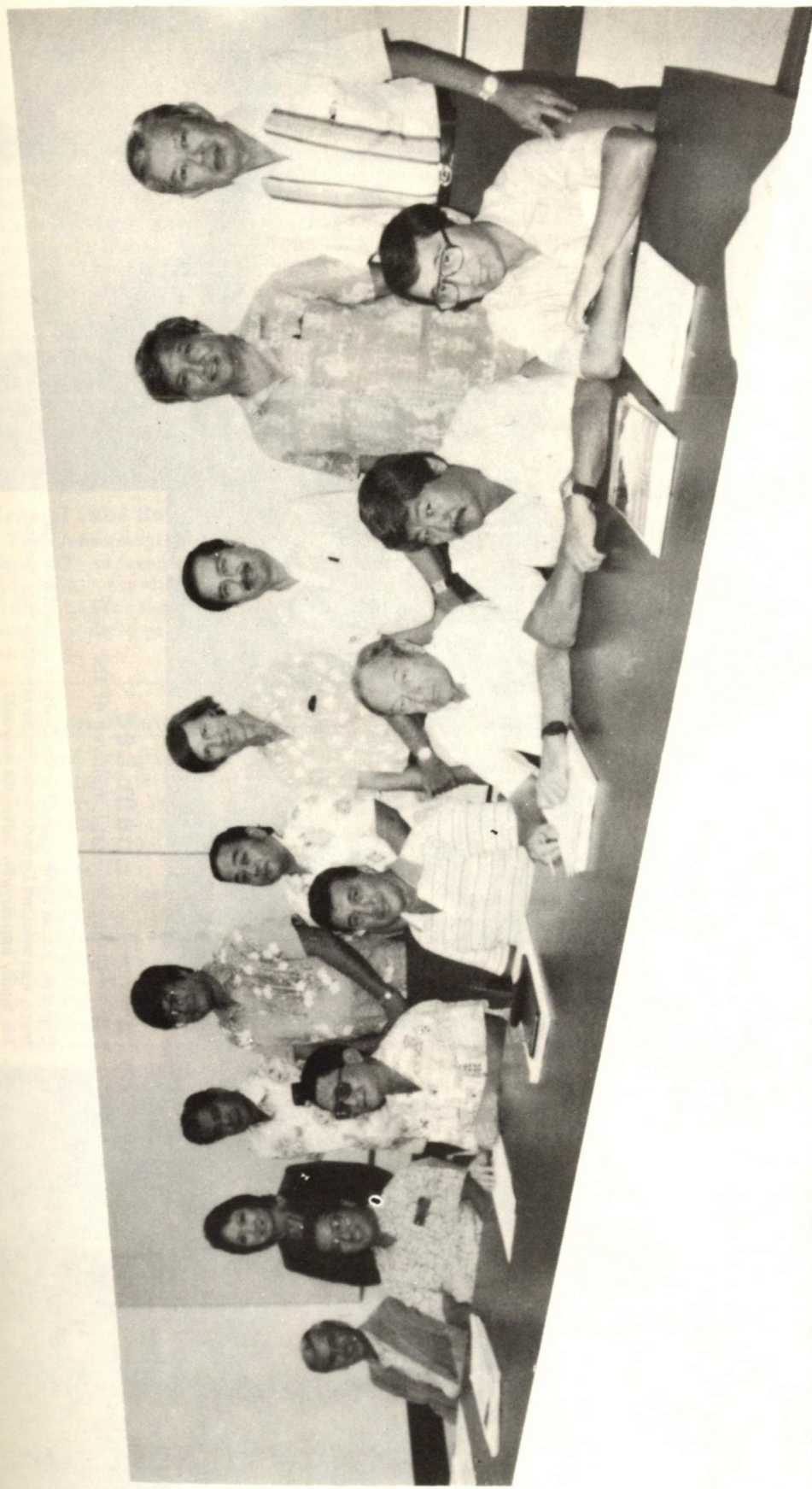
SUSUMU ONO

Chairperson and Member
Board of Land and Natural Resources

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DEPARTMENT OF LAND AND NATURAL RESOURCES



Standing: Anne Furuuchi, Charles Neumann, Melvin Young, Paul Kawamoto, Richard Fassler, Manabu Tagomori, Gordon Soh, Susumu Ono, Chairperson
Seated: Roger Evans, Ralston Nagata, Robert Lee, Libert Landgraf, James Detor, Maurice Matsuzaki, Edgar Hamasu, Deputy

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

- Libert K. Landgraf Administrator,
Division of Forestry and Wildlife
- Henry M. Sakuda Administrator,
Division of Aquatic Resources
- Manabu TagomoriManager-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 Resources Enforcement



Sam Lee
Departmental Employee of the Year

Sam Lee, Kauai Land Agent for the Division of Land Management, was selected Departmental Employee of the Year. He and his family appear with Governor Ariyoshi.

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, the Department of Planning and Economic Development, and federal agencies. This Office also coordinates the preparation and implementation of the Departmental operating and capital improvement project budgets. It provides internal audit functions by reviewing lessees' accounting records to ensure compliance with rental terms specified in the lease agreements. Finally, this Office assists the divisions and staff offices in the preparation of a plan for distributed information processing and information resource management.

General Fund Revenues

The Department collected and transferred to the State General Fund revenues from various sources amounting to \$15,018,157 for the fiscal year ended June 30, 1984 and \$10,986,945 for the fiscal year ended June 30, 1985. Major revenue sources generated by the Department are shown below:

Sources of Revenues	Amount 1984	Amount 1985
Lease and Rental of State		
Land and Water Licenses	\$ 6,376,976	\$ 6,137,351
Refund of Prior Year		
Court Deposits for		
Land Acquisition	3,790,398	
Conveyance Tax	1,807,607	1,862,363
Recording of Legal		
Instruments	1,409,433	1,323,191
Various Rentals and		
Concession Income in		
State Parks	746,011	816,603
Sale of Public Lands	394,167	180,537
Federal Indirect Cost		
Recoveries and Grants	145,725	130,522
Hunting and Fishing Licenses	148,842	134,303
Refunds and Reimbursements		
of Prior Year Expenditures		
and Vacation Credits from		
Other Agencies	60,903	179,180
Restoration of Fish and		
Wildlife	7,346	86,698
Fines—State Conservation		
District Use Violations	48,177	23,001
Sales of Forestry Products	12,354	31,895
Indemnity for Damages	4,881	360
Various Fees Relating to		
Public Land	22,585	18,582
Commercial Film Land		
Rentals	35,228	51,969
Fees—Conservation District		
Use Application and Public		
Hearing	5,800	8,100
Sale of Equipment and		
Property	975	
Sale of Confiscated Evidence		1,729
Others	749	561
TOTAL	\$15,018,157	\$10,986,945

Native Hawaiian Rehabilitation Fund

As provided by the State Constitution, 30 percent of the State receipts derived from the leasing of cultivated sugarcane land and from water licenses was transferred to the Native Hawaiian Rehabilitation Fund. The amount transferred to the fund during the 1984-85 fiscal year was \$872,670. The total amount transferred to the fund since the 1978 constitutional amendment was \$5,341,382 as of June 30, 1985.



Bi-weekly staff meeting.



Annual Meeting.
June 24-25.

Dr. Norman Okamura, Chief of Electronic Data Processing, Department of Budget and Finance discusses plans for the next fiscal year.

Office of Hawaiian Affairs Public Land Proceeds Fund

Act 273, Session Laws of Hawaii 1980, provides that 20 percent of all funds derived from the public land trust described in Section 10-3, Hawaii Revised Statutes, be transferred to the Office of Hawaiian Affairs (OHA). Funds are transferred on a quarterly basis. The amount transferred to OHA during the 1984-85 fiscal year was \$1,368,834. This includes \$1,349,621 from State land revenues and \$19,213 from State park concessions. The total transferred to OHA since the approval of Act 273, Session Laws of Hawaii 1980, amounted to \$6,913,021.

OPERATING FUNDS
STATUS OF APPROPRIATION ACCOUNT BALANCES

Fiscal Year 1984-85

Program I.D. LNR	Program Title	Fund	Appropriation Beginning Balance	Transfers ^{1/}	Departmental Restriction	Net Appropriation	Expenditures, Claims and Contract Encumbrances	Lapses ^{2/}
101	Public Lands Management	General	\$ 800,837	\$ 42,886	\$ -0-	\$ 843,723	\$ 843,041	\$ 682
111	Conveyances and Recording	General	854,350	33,328	-0-	887,678	886,805	873
141	Water Development and Irrigation Services	General Special	567,183 551,599	14,496 -0-	65,000 -0-	516,679 551,599	514,629 543,712	2,050 7,887
			1,118,782	14,496	65,000	1,068,278	1,058,341	9,937
153	Commercial Fishery and Aquaculture	General Federal	1,616,378 170,519	20,140 -0-	167,090 -0-	1,469,428 170,519	1,464,462 170,519	4,966 -0-
			1,786,897	20,140	167,090	1,639,947	1,634,981	4,966
172	Forestry - Products Development	General Federal	825,482 103,544	(888) -0-	80,000 -0-	744,594 103,544	725,877 103,544	18,717 -0-
			929,026	(888)	80,000	848,138	829,421	18,717
401	Aquatic Resources	General Federal	355,265 64,753	5,628 -0-	25,656 -0-	335,237 64,753	334,056 64,753	1,181 -0-
			420,018	5,628	25,656	399,990	398,809	1,181
402	Forests and Wildlife Resources	General General - Fire Contingency Federal Special - YACC	1,222,035 200,000 311,478 80,200	56,800 -0- -0- -0-	-0- -0- -0- -0-	1,278,835 200,000 311,478 80,200	1,252,347 200,000 311,478 80,148	26,488 -0- -0- 52
			1,813,713	56,800	-0-	1,870,513	1,843,973	26,540
403	Mineral Resources	General	78,390	2,692	-0-	81,082	79,621	1,461
404	Water Resources	General	912,334	17,018	36,200	893,152	888,240	4,912
405	Conservation and Resources Enforcement	General Federal	1,703,269 24,676	52,836 -0-	60,000 -0-	1,696,105 24,676	1,693,067 24,676	3,038 -0-
			1,727,945	52,836	60,000	1,720,781	1,717,743	3,038
801	Historical and Archaeological Places	General	828,621	14,613	-0-	843,234	825,118	18,116
804	Forest Recreation	General Federal	663,951 259,943	14,454 -0-	48,708 -0-	629,697 259,943	609,784 259,943	19,913 -0-
			923,894	14,454	48,708	889,640	869,727	19,913
805	Aquatic Recreation	General Federal	129,352 207,489	14,410 -0-	20,800 -0-	122,962 207,489	122,214 207,489	748 -0-
			336,841	14,410	20,800	330,451	329,703	748
806	Parks Recreation	General	2,431,501	74,052	80,284	2,425,269	2,397,394	27,895
809	General Administration for Culture and Recreation	General Federal	459,034 334,794	16,560 -0-	89,682 -0-	385,912 334,794	384,104 334,794	1,808 -0-
			793,828	16,560	89,682	720,706	718,898	1,808
810	Prevention of Natural Disaster	General	116,705	4,966	11,000	110,671	105,935	4,736
906	LNR - Natural Physical Environment	General Federal	948,799 6,408	29,061 -0-	10,425 -0-	967,435 6,408	963,756 6,408	3,679 -0-
			955,207	29,061	10,425	973,843	970,164	3,679
Total General Fund			14,713,486	413,052	694,825	14,431,713	14,290,450	141,263
Total Federal and Special Funds			2,115,403	-0-	-0-	2,115,403	2,107,464	7,939
GRAND TOTAL			\$16,828,889	\$413,052	\$694,825	\$16,547,116	\$16,397,914	\$149,202

^{1/}Includes \$30,000 transferred from LNR 172 to LNR 402 and Collective Bargaining Appropriations totaling \$413,052.

^{2/}Includes \$79,339 lapsed for Workers' Compensation benefits paid in lieu of General Fund salary costs as mandated by Act 300, SLH 1985, Section 211.

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 departmental evaluation of environmental impact statements.

Applications to Use Conservation Districts

The Planning Office processed 98 applications for use of Conservation lands. Public hearings were held on 42 applications. Eleven temporary variances and 29 amend-

ments to previous applications were also processed.

Commercial Filming

The Office processed 381 applications for filming of Conservation lands and State lands.

Project Coordination and Environmental Reviews

The Office coordinated the review of 57 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 30 environmental impact statements and assessments. Furthermore, it reviewed 33 other public projects, plans, and local zoning requests.

Coastal Zone Management

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

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. Finally, the Office works with the divisions and staff offices in developing and updating the organizational plans.

SUMMARY OF PERSONNEL TRANSACTIONS

Fiscal Year 1984-1985

Accessions	285
New Hires - Permanent	37
- Inter-Agency Transfer	2
- Inter-Agency Demotion (Voluntary)	1
New Hires - Limited Term Appointment	8
- Temporary Appointment Outside of List	4
- Emergency	80
- Provisional	1
- Exempt	152
Separations	182
Resignation & Transfer (Permanent Employees)	16
Resignation & Transfer (Temporary Employees)	146

Dismissal/Termination	1
Retirement	18
Termination (Death)	1
Other Personnel Actions	2367
Promotion	23
Voluntary Demotion	3
Demotion (Disciplinary)	1
Demotion (Physical Disability)	0
Conversion to Permanent Appointment	34
Conversion to Temporary Appointment Outside of List	0
Conversion to Limited Term Appointment	12
Reallocation	17
Repricing	1
Change in Title	0
Limited Term Promotion	0
Return to Former or Similar Position	3
Intra-Agency Transfer	10
Intra-Agency Appointment	13
Temporary Assignment	309
Extension - Limited Term Appointment	29
Extension - Exempt Appointment	15
Extension - Probational Appt.	0
Extension - Temporary Appointment Outside of List	13
Extension - Emergency Appointment	53
Leave-Without-Pay (Child Care)	0
Leave-Without-Pay (Others)	91
Leave-Without-Pay (Industrial Injury)	7
Authorized Leave-Without-Compensation	7
Extension - Leave-Without-Pay	6
Return to Duty	110
Name Change	1
Unauthorized Absence	9
Suspension	2
Change in Social Security Number	2
Change in New Salary Schedule	782
Pay Adjustment	186
Hazard Pay Differential	264
Expiration - Hazard Pay Differential	264
Correction	90
Cancellation	9
Full-Time Equivalent Percentage	1

Note: Additional categories of personnel action reported this year.

FILLED POSITIONS ^{1/}
JUNE 30, 1985

Division	Hawaii	Oahu	Kauai	Maui	Molokai/ Lanai	TOTAL
Administration & Staff		39				39
Conveyances		40				40
Fish & Game ^{2/}	1	35	1	1	1	39
Conservation & Resources Enforcement	15	21	10	9	5	60
Forestry ^{3/}	34	29	17	16	3	99
Land Management	4	25	2	3		34
State Parks	29	80	17	9	1	136
Water & Land Development	5	43	1		3	52
TOTAL	88	312	48	38	13	499

^{1/} All full-time employees except student hires. Includes project funded and exempt employees.

^{2/} Undergoing reorganization. Excludes Wildlife Branch.

^{3/} Undergoing reorganization. Includes Wildlife Branch.

NATURAL AREA RESERVES SYSTEM

As mandated by HRS Chapter 195, Natural Area Reserves preserve and protect in perpetuity unique and representative samples of Hawaii's natural environment. After millions of years of development in an isolated mid-ocean environment, nearly all of Hawaii's native plants and animals live nowhere else in the world. This unique natural resource cannot be created again if lost. This is Hawaii's natural heritage to be passed on to future generations. Besides this heritage value, indigenous plants and animals have aesthetic, educational and scientific values. Culturally, the plants—in songs, chants and legends, and in ceremony and medicine—have always been fundamental to Polynesian life. They also have potential uses for economic development improvement. For example, by hybridizing the ma'o, the Hawaiian wild cotton plant, with cultivated cotton plants, agriculturalists have produced superior, disease-resistant commercial varieties.

Hawaii's Natural Area Reserves System presently consists of 108,461 acres distributed among 18 reserves. Eight of the reserves are on Hawaii, while Maui, Molokai, Oahu and Kauai have either two or three.

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

In the developing stage of the Natural Area Reserve program, primary efforts have been toward identifying and documenting natural area sites for preservation. Increasing the size of the Natural Area Reserves System, with particular emphasis on greater ecological diversification, will be a continuing effort. Having set aside a number of natural areas as reserves, greater effort is now being directed to their management.

Management of the reserves system is being guided by a management policy plan that was adopted in early 1984. A major project to be implemented in the next fiscal year will be to prevent degradation of the natural area quality of the reserves by controlling and, where possible, eradicating nonnative plant infestations. The initial step to manage the nonnative plants will be to determine their location, distribution and the extent of their impact on the reserves.

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

Natural Area Reserve	Acres	Primary Feature
Hawaii		
Kipahoe	5,583	Mesic forest, 'ohi'a and koa wet forests.

Laupahoehoe	7,894	'Ohi'a wet forest.
Manuka	25,550	Dry and mesic forests, 'ohi'a wet forest.
Mauna Kea Ice Age	3,894	Geological: Ice Age and Lake Waiau.
Puu Makaala	12,106	'Ohi'a and koa wet forests.
Puu O Umi	10,182	'Ohi'a wet forest, montane bog, headwaters of six perennial streams.
Waiakea 1942 Lava Flow	640	Developing wet forest.
Wao Kele 'O Puna	16,844	'Ohi'a wet forest.
Maui		
Ahihi-Kinai	1,238 (land) 807 (water)	Anchialine pools, last lava flow on Maui, marine ecosystem.
Hanawi	7,500	'Ohi'a wet forest, cloud forest, alpine grassland.
West Maui		Pili grassland, mesic forest, 'ohi'a wet forests, cloud forests, montane bogs, headwaters, and upper reaches of four perennial streams.
Kahakuloa Section	3,275	
Honokowai Section	750	
Panaewa Section	1,717	
Lihau Section	960	
Molokai		
Olokui	1,620	Mesic forest, wet shrub, and 'ohi'a wet forest.
Puu Alii	1,330	Wet shrub and 'ohi'a wet forest.
Oahu		
Kaena Point	12,464	Coastal dune ecosystem
Mt. Kaala	1,100	Mesic and cloud forests, montane bog.
Pahole	658	Dry and mesic forests.
Kauai		
Hono O Na Pali	3,150	Mesic forest, 'ohi'a wet forest.
Kuia	1,636	Dry and mesic forests.

AQUACULTURE DEVELOPMENT PROGRAM

The activities of the Aquaculture Development Program (ADP) are intended to stimulate the growth of Hawaii's aquaculture industry. Since the establishment of the program in 1977, ADP has assisted commercial farmers, researchers, government officials, students, foreign officials and trainees and many others with an interest in aquaculture. Importantly, ADP has served as a model for other aquaculture assistance programs in the United States and throughout the world.

GROWTH OF THE INDUSTRY

The State's aquaculture industry has two components: commercial production and research, training and technology transfer (RT & TT). In 1984, both sectors showed substantial progress, with RT & TT dominating commercial production. The total value of the industry was \$11 million (a \$3.8 million increase over 1983), while the number of farms grew to 47 and the number of full-time and part-time jobs totaled 432.

HAWAII'S AQUACULTURE INDUSTRY
CALENDAR YEARS 1983 and 1984

	1983	1984
Commercial Production	\$1.6 million	\$2.2 million
Research, Training and Technology Transfer (RT & TT) Activities	\$5.6 million	\$8.7 million
TOTAL	\$7.2 million	\$11 million
 Number of Farms	 37	 47
 Number of Part-time and Full-time Employees	 	
--Commercial Production	157	221
--RT & TT	96	211
TOTAL	253	432

In the commercial production sector, freshwater prawns continued to lead all species in pounds produced, but, significantly, marine shrimp showed signs of overtaking prawns by the end of 1985. Marine Culture Enterprises (Kahuku) and ORCA Sea Farms (Hoolehua, Molokai) stocked their raceways and ponds and anticipated substantial harvests in 1985. Increases in trout production came as a pleasant surprise. The five Big Island farms reported a total of 20,000 pounds, and all major supermarkets on the island were selling this tasty fish.

PROGRAM ACTIVITIES

In fiscal year 1984-1985, Aquaculture Development Program activities were focused in 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 continued to collect and analyze data for the updated State Aquaculture Plan. As part of this effort, staff completed transcription of presentations made at an August, 1983 land seminar entitled: *Aquaculture: An Alternative Land Opportunity*. The proceedings of this seminar will be published in July, 1985. Other areas studied included international seafood marketing, educational and training opportunities, applications of geothermal energy, Federal government assistance programs and regulatory considerations.

ADP also provided input into various national, international, State and County plans and studies. These included the Kauai Aquaculture and Fisheries Development Plan; the Natural Energy Laboratory of Hawaii (NELH) Master Plan; and the Hawaii Ocean Science and Technology Park (HOST) Plan.

The Program Manager served as a member of the University of Hawaii (UH) Chancellor's Aquaculture Advisory Committee to advise on aquaculture program development, and collaborated with the UH Sea Grant College Program in preparing joint funding requests.

In fiscal year 1984-85, the NELH and HOST sites at Keahole Point on the Big Island emerged as major locations for aquaculture firms wishing to utilize the abundant supply of cold, nutrient-rich water drawn from a 2,000-foot depth offshore. In addition to input provided on the two plans mentioned above, ADP assisted consultants in preparing a joint Environmental Impact Statement for NELH and HOST.

Support Services

In fiscal year 1984-85, ADP filled a wide variety of information requests and planned and participated in numerous seminars and conferences, displays and exhibitions. Articles prepared for national and international publications often resulted in inquiries to the program about getting started in aquaculture in Hawaii.

ADP met with numerous visitors from overseas to discuss 1) investment opportunities in Hawaii and 2) opportunities for Hawaii-based consulting firms to do aqua-business abroad. Staff frequently arranged tours of Hawaii's aquaculture facilities for these visitors.

During the year, staff set up and maintained an aquaculture exhibit at Maui Plantation, a major tourist attraction on Maui. The exhibit, located in a separate pavilion, drew more than a 1000 visitors a day and resulted in numerous requests for information on aquaculture in Hawaii. The display will be on-going, with minimal maintenance required.



The Aquaculture Development Program exhibit at the State Farm Fair is always one of the most popular. In 1984, over 100,000 people visited the Fair, and many stopped by the "fish market" to learn about aquacultured seafood and pick up free recipes.



In April, 1985, Chairperson Susumu Ono and Governor Ariyoshi visited the processing facility of Marine Culture Enterprises. The Kahuku farm produces marine shrimp in covered raceways.

The program's display at the State Farm Fair proved, once again, to be one of the most popular State attractions. More

than 100,000 people attended the 10-day Fair in July.

An important ADP support function is assessing potential sites for commercial development. During the year, staff assessed 12 sites with various cartographic aids at the office, and traveled to the Big Island to assist a future trout operation.

ADP participation at conferences and workshops provided staff with opportunities to share aquaculture information and keep abreast of the latest happenings in the field. In fiscal year 1984-85, staff attended the Second International Conference on Warm Water Aquaculture—Finfish at Brigham Young University-Hawaii Campus; the World Mariculture Society Conference in Orlando, Florida; the U.S.-Taiwan Joint Conference on Aquaculture Engineering; and a planning workshop on the proposed Hawaii Ocean Center.

ADP's aquaculture veterinarian provided advice to various individuals concerning disease control and the importation of aquatic species. He prepared four papers for publication, investigated 313 laboratory submissions, and made 45 trips into the field to counsel farmers on methods of avoiding aquatic diseases.

Research, Development and Demonstration

In fiscal year 1984-85, research focused on developing improved production management and processing/handling

techniques for Hawaiian prawns and marine shrimp. Projects jointly funded by the UH Sea Grant College Program assisted prawn farmers in the areas of pond management, nutrition and feed management, controlled domestication, product-handling, and water quality management. 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. In addition, there were studies to identify worldwide sources of disease-free shrimp broodstock with the list of "clean" locations continuing to grow.

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 backyard aquaculture techniques, and improvement of prawn feed attraction using chemical scents. Results from these projects are, for the most part, leading to the development of additional research questions; however, potential for commercial application of the results was clearly evident.

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 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.

Burnt Tuna Study

Burnt tuna is a degenerative condition where the meat of fresh ahi becomes discolored, mushy, and off-flavored due to physiological and chemical breakdown. It is not a spoilage condition that is harmful to humans, but it renders the meat unappealing for use in raw consumption such as "sashimi" or "sushi." It also reduces the shelf life of the meat dramatically, and causes considerable economic losses in the fishing industry.

This study addresses the cause(s) and method(s) of predicting the degree of "burning" in whole troll and "ika-shibi" (night handline) caught tunas. It is being conducted by University of Hawaii (UH) researchers for the Department and is directed toward the development of an assay for burnt tuna in whole fish, improving handling and processing methods to reduce the incidence of burnt tuna, and determining causes for "burning." Preliminarily, improper handling of the fish (inadequate cooling) after it is caught appears to be one reason for the tuna burn problem. The results of this work will lead to reducing the substantial economic losses presently experienced by troll and handline fishermen due to "burning."

Tuna-Handline Fisheries

Research and development of the ika-shibi and palu-ahi (day-handline) fisheries were initiated to encourage expansion of these valuable fisheries. These fisheries have the potential for expansion into new fishing grounds and developing new markets (domestic and foreign) for exported Hawaiian ahi. The Division is currently collecting data on fishery effort, examining environmental parameters of known fishing grounds, and looking for new grounds. Additionally, the UH Oceanography and Animal Science Departments, and the Division are coordinating field activities to maximize data collection efforts.

Statewide Fish Aggregating System

In fiscal year (FY) 1984-85, commercial fishermen reported making at least 2,867 trips to, and catching 462,310 pounds of fish at the State's 27 fish aggregating devices (FADs). The landings consisted mainly of ahi or yellowfin tuna (159,666 pounds), aku or skipjack tuna (221,753

pounds), a'u or marlin (40,129 pounds), and mahimahi or dolphin fish (30,945 pounds). These fish comprised 97.9 percent of the total catch made around the FADs during the fiscal year. The fishing methods most frequently used were: pole-and-line with live bait by aku boats (50.1% of catch), handlining (15.8%), rod-and-reel (5.8%), and trolling (28.2%).

The FAD loss due to mooring line breakage continues to be a problem. Strong currents, winter storms, collision with towed barges, corrosion of metal hardware, and shark bites on the mooring lines are continuing causes implicated with the losses. Mooring line modifications and the single sphere design (less surface drag) have decreased FAD losses.

Strong support for more FADs by Hawaii's fishing community resulted in the deployment of 24 new FADs and replacement of nine FADs missing in waters around the main Hawaiian Islands. As of the end of June, 1985, there are 48 FADs serving Hawaii's fishing community: Hawaii - 16, Oahu - 14, Kauai - 7, Maui - 5, Molokai - 3, Lanai - 2, and Kahoolawe - 1.



The Statewide System of Fish Aggregating Devices (FADs) was increased to 48 this year. Crew of the KILA (UH) prepare the anchoring for a FAD.

Tuna Fishing Grounds Survey

Between March 24 and April 5, 1985, 173 ahi ranging from two to five pounds were tagged and released at the Pokai Bay, Oahu "S" FAD. As of June 30, 1985, a total of 44 tagged fish have been recovered by fishermen. Between March 28 and April 27, 1985, 41 of the tagged fish were caught at the "S" FAD. Subsequently, three tagged fish

were recovered on June 19, 1985 at the "V" FAD, some ten miles away from "S" FAD. The earliest recovery occurred one day after its release, and the last recovery was made after the fish was liberated for 56 days.

Ciguatoxin (CTX) Test Development

During the year, 295 fish samples from the Barbers Point deep-draft harbor and other selected inshore sites around Oahu, 112 fish samples from Kure Atoll, and 679 fish samples from the remaining Northwestern Hawaiian Islands (NWHI) were collected to test and refine a rapid, inexpensive test for CTX. In the last quarter, the UH research team under contract to the State began training workshops to prepare for collaborative studies with several laboratories (including the Division) to determine reliability of the test's procedure.

Topminnow Testfishing Project

A topminnow testfishing project was initiated to determine the effectiveness of the cultured Mexican topminnow, *Poecilia mexicana* as a baitfish. The study was conducted to determine the feasibility of using an alternative bait species to supplement stocks of naturally-occurring baitfish such as nehu for use in the tuna and other fisheries such as for bottomfishing.

During the year, participating fishers conducted 53 sea trials mostly around the State's fish aggregating devices. Using 594 pounds of topminnows, they caught a total of 6,733 pounds of ahi and aku. The tunas were the targeted species in the majority of the sea trials. The ahi caught ranged from 0.6 to 20.0 pounds; aku ranged from 2.0 to 15.0 pounds. The overall catch per unit bait (CPUB) ratio was 11.3 pounds of tuna per pound of baitfish which is good for the mixed catch of ahi and aku. By comparison the CPUB ratio for nehu, the preferred native baitfish in Hawaii, is estimated to be about 23 pounds of aku per pound of bait.



Cultured Mexican topminnows were provided to local fishers interested in testing the live baitfish.

Aquaculture—Anuenue Fisheries Research Center (AFRC)

Research and development in support of the State's freshwater prawn aquaculture industry continued during the year. Approximately 4.1 million post larval prawns were produced by the hatchery and distributed to nine private growers under cooperative agreements, collectively farming about 50 acres of ponds. Statewide, 19 growers produced approximately 317,000 pounds of marketable prawns, valued at \$1.6 million.

The Division, in cooperation with other State agencies involved with prawn aquaculture development, is continuing to provide laboratory and field extension assistance to the private sector. Continued experiments with recirculating systems for rearing larval prawns at AFRC have led to the design and construction of a second recirculating system (first system installed last year) at a medium sized farm. A third recirculating system is about to start construction. Two others are yet in the planning stage.

A seaweed investigation project initiated in FY 82-83 to enhance natural stocks of ogo and limu manaua is now routinely producing "seed rock" (small coralline rocks with many attached sporlings) for outplanting. "Seed rock" plantings are being continued at several selected locations around Oahu and Molokai with growth being monitored periodically.

Legislative Activity

The 1985 Legislature amended several statutes affecting the commercial fisheries program. Act 113 allows the Department to enter into agreements with U.S. government agencies for exchange and use of confidential fish catch report information specifically to manage marine life. Act 129 amended the bullpen trap laws to extend the maximum legal length (to 2,000 feet) of the net, and time (to 16 hours) a bullpen trap may be left in the same place, and makes it unlawful to use a bullpen trap within 1,000 yards from shore, except on Molokai. Act 242 clarified the commercial marine license laws to include charter fishing services, allowed the issuance of individual and vessel licenses, and increased the commercial marine license fees.

AQUATIC RESOURCES PRESERVATION AND ENHANCEMENT PROGRAM

The objectives of this program are to preserve and enhance the State's resources of fish and other aquatic life through active protection, propagation and other appropriate management measures. Major program activities include monitoring aquatic life, establishing sanctuaries, and evaluating development proposals by providing comments on potential impacts and recommending mitigation measures for aquatic life and habitats.

Marine Life Conservation Districts (MLCDs)

Since 1967, the Department has established eight 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.

During the year the State's newest MLCD was established at Wailea (Hawaii). Fish stocks were monitored at Molokini Shoal and Honolulu-Mokuleia MLCDs on Maui and at Hanauma Bay and Pupukeya MLCDs on Oahu. Surveys have begun at Olowalu (Maui) and Kawela Bay (Oahu), potential sites for additional MLCDs.

AQUATIC RECREATION PROGRAM

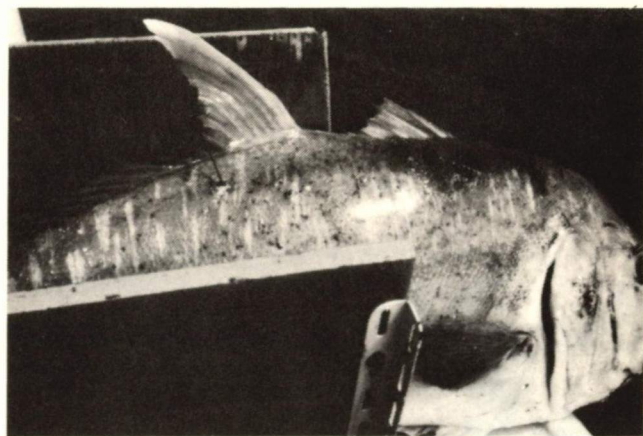
The objective of this program is to enrich the leisure time and recreational opportunities of the public. Program activities include surveys of fish populations and research on individual species; interviews of sport fishermen surveys and operation of fishermen checking stations; development, maintenance, 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

The Division, assisted by marine option students from the University of Hawaii, conducted an assessment of the nearshore living resources in the Northwestern Hawaiian Islands (NWHI). The survey involved tagging ulua to estimate growth and population parameters, collection of specimens for ciguatera (fish poison) analysis, and underwater surveys to monitor fish stocks around the NWHI. Three hundred thirteen white ulua (*Caranx ignobilis*) and 16 omilu (*C. melampygus*) were tagged and released. Previously, over 300 ulua were tagged and released in the NWHI; no tagged fish were recaptured or sighted during the 1984 survey.

Survey personnel remonitored seven fish counting stations at Pearl and Hermes Atoll, Nihoa, Necker, French Frigate Shoals, Laysan, and Lisianski. This year's data suggest no significant changes in the fish species composition and densities.

Ninety-nine slipper lobsters were collected for size measurements. Based on these samples, it appears that a tail width of 6.5 cm is equivalent to a whole animal weight of 0.45 kg (about one pound).



In July 1984, Aquatic Resources staff measured, tagged and released 313 ulua in the Northwestern Hawaiian Islands to determine their movement and distribution.

Waikiki-Diamond Head Shoreline Fisheries Management Area

The Waikiki-Diamond Head Shoreline Fisheries Management Area, which encompasses the shoreline waters between the Kapahulu Groin and the Diamond Head Lighthouse, Oahu was opened to pole-and-line fishing on July 1, 1984.

To evaluate the efficiency of pole-and-line gear, trained student employees spent over 1900 man-hours conducting fishermen interviews and creel surveys. The data indicate that the average pole-and-line fisherman spent 2.5 hours to catch one fish. The species of fishes most often caught and retained by fishermen included: awa awa (*Elops hawaiiensis*), weke a'a (*Mulloidides flavolineatus*), moana (*Parupeneus*



Aquatic Resources divers monitor fish populations in the State's eight marine life conservation districts.

Environmental Protection

Staff biologists reviewed 370 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; recommendations were made to protect aquatic resource values.

Barbers Point Deep-Draft Harbor Marine Survey

Division biologists monitored quantity and quality of marine life in waters near the harbor construction project during December, April, and May. Turbidity associated with dredging precluded surveys planned for other months.

On the basis of five surveys repeated at fixed stations, averages of 2,079 fishes per acre (68 species) and a standing crop of 235 pounds per acre were estimated. These values are higher than that observed previously (e.g. in July 1983, the averages were 1,411 fishes per acre and 74 species, a standing crop of 142 pounds per acre).

Marine Turtles

The Division continued to assist the National Marine Fisheries Service (NMFS) with its research on Hawaiian green sea turtles. On Kauai, "orphaned" eggs from a nest near Mana were rescued and incubated, and the 24 hatchlings resulting were tagged and released. On Molokai, 91 turtles were tagged, measured and released; 10 of these had been tagged previously, yielding valuable data on growth rates and patterns of movement.

Aquarium Fish Collecting Study

A total of 177 aquarium fish collecting permits were issued: 113 (64%) to home aquarium collectors and 64 (36%) to commercial collectors. The total number of permits decreased from last year's total of 186.

A total of 147,902 organisms were collected, with 146,194 sold for an aggregate \$242,135. Total sales dropped 25% from last year's record high \$321,699. This may be attributed to a lesser number of organisms sold (166,335) at a value (\$1.66) less than that of last year (\$1.89).

Legislative Activity

The 1985 Legislature amended sections of the Hawaii Revised Statutes to increase the mesh size of thrownets used by recreational/home consumption fishermen from one and one-half to two inches to become effective after December 31, 1994. Signed into law as Act 253, this amendment also prohibits the sale of any thrownet with a mesh of less than two inches after July 1, 1988.

multifasciatus), papio (Family Carangidae), oio (Albula sp.), hinalea lauili (*Thalassoma duperrey*), aholehole (*Kuhlia sandvicensis*), palani (*Acanthurus dussumieri*), gold-spot herring (*Herklotsichthys quadrimaculatus*), upapalu (*Apogon kallopterus*) and puhi (*Gymnothorax* sp.).

In addition to monitoring the fish catches, semi-monthly underwater surveys were conducted at four established fish counting stations to obtain data on the area's fish biomass. Fish biomass decreased from an estimated 750 pounds per acre last year to 288 pounds per acre this year. High surf and turbid water conditions contributed to low fish counts on several occasions during the year.



The Waikiki-Diamond Head Shoreline Fisheries Management Area was opened to pole-and-line fishing on July 1, 1984 after two years of no fishing.

Artificial Reef Development

A private company donated two barges (160-foot and 106-foot) to the State's artificial reef program. A salvage company towed and scuttled the barges at the Maunalua Bay Artificial Reef. Fish counts conducted about a month later revealed a variety of marine life aggregating around the barges including sea turtles, spiny lobsters, and numerous reef fish species.

Division personnel constructed 50 experimental concrete-tire modules to be used as components for fish shelters. Sixteen modules were installed at the Maunalua Bay Artificial Reef in June. The modules will be studied to evaluate their effectiveness as fish shelters.



Experimental concrete/tire structures are being added to the artificial reefs to attract more fish.

Freshwater Public Fishing Areas (PFAs)

Kokee PFA, Kauai - Trout fishing data were collected at the Kokee Checking Stations during the 1984 rainbow trout season from August 4 to September 30 (30 fishing days). A total of 423 angler trips were made producing 239 trout (491 the previous year) that weighed an estimated 222 pounds. An estimated 732 fishing hours, or an average of 1.7 hours per trip, resulted with a catch rate of 0.4 trout per angler trip. The total catch was down from previous seasons but the fish were again, in prime condition, averaging 11.8 inches and 14.3 ounces. A 2¼ pounder was the largest fish recorded for the season.

Nuuanu Reservoir No. 4, Oahu - Three open periods of weekend public fishing for channel catfish were scheduled during August and November, 1984 and May, 1985. The November opening was cancelled because of drought-related low water levels and a major fish kill. Fishing results were good for the two openings totaling 14 fishing days. A total of 1,748 channel catfish weighing 2,171 pounds were caught and retained by 2,150 anglers (of 3,281 applicants). The fish averaged 14.36 inches and 1.24 pounds. The year's outstanding catch was made in August with a 20½ pound catfish.



Public fishing at Nuuanu Reservoir No. 4 gives anglers the opportunity to reel in the "big ones" like this nine-pound channel catfish.

Wahiawa PFA, Oahu - Creel census and angler interview data collected monthly at this reservoir showed fishing efforts and total catches to be significantly lower than last year. This year, an estimated 11,029 angler trips totaling some 30,151 fishing hours resulted in the taking of 14,199 fish (estimated 7,158 pounds). By comparison last year's totals were 16,446 angler trips, 42,422 fishing hours, and 28,556 fish (18,117 pounds), respectively.

Freshwater Gamefish Culture

Rainbow Trout - From January 22 to April 16, 1985 two shipments, each containing 50,000 rainbow trout eggs were purchased from Mt. Lassen Trout Farm, California, and incubated, hatched and raised in the refrigerated facility at AFRC. The 53,500 fingerling trout (1.5 inch) produced from

these eggs were shipped to Kauai and dropped from a helicopter into streams of the Kokee Public Fishing Area.

Channel Catfish - An estimated 62,640 fingerling channel catfish were stocked during this period in the Wahiawa Public Fishing Area. These catfish were obtained from eight egg masses collected from Nuuanu Reservoir No. 4 during April to June, 1984 and incubated, hatched and reared at AFRC.

In addition to these releases, an estimated total of 25,700 fingerlings are being reared at AFRC for eventual stocking in the Wahiawa and Nuuanu Public Fishing Areas. These fingerlings include 5,000 holdovers from the eight spawns collected April to June 1984, 11,500 from an induced

spawning experiment at AFRC during January 1985, and 14,200 from three spawns collected in June, 1985.

Tucunare - A total of 500 tucunare fingerlings cultured at AFRC were stocked in Wahiawa Reservoir during this period. These fish were produced from a single spawn collected at the reservoir in June, 1984.

An estimated 20,000 tucunare fingerlings are now being reared at AFRC for stocking in Wahiawa PFA. These were obtained from eight (8) spawns collected in May to June 1985. All eggs were deposited on submerged tree branches which were sawed off and taken to AFRC hatchery for incubation, hatching and rearing.

MISCELLANEOUS PERMITS (NO CHARGE)
Fiscal Year 1984-85

Type	Number
Scientific Collecting Permits - Fisheries.....	29
Group Fishing Permits.....	1
TOTAL.....	30

FEDERAL AID FUNDS^{1/}
Fiscal Year 1984-85

Type	Amount (Dollars)
Dingell-Johnson Federal Aid in Fish Restoration Fund.....	\$402,742.62
Commercial Fisheries Research and Development (P.L. 88-309) Fund.....	84,786.22
TOTAL.....	\$487,528.84

^{1/} Cash reimbursements from federal government during Fiscal Year 1984-85;
outstanding claims not included.

COMMERCIAL FISH LANDINGS

Fiscal Year 1983-84

ISLAND	Sea Catch			Pond Catch			Total		
	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)
Hawaii	2,695,337	2,577,849	\$3,684,169.57	5462	5462	\$14,001.19	2,700,799	2,583,311	\$3,698,170.76
Maui	823,919	753,397	1,000,445.05	128	43	73.00	824,047	753,440	1,000,518.05
Lanai	21,867	19,904	23,147.39	--	--	--	21,867	19,904	23,147.39
Molokai	43,801	36,913	59,985.51	--	--	--	43,801	36,913	59,985.51
Oahu	5,236,614	5,012,331	7,375,461.11	17,710	17,696	29,127.10	5,254,324	5,030,027	7,404,588.21
Kauai	991,081	934,972	1,384,067.91	--	--	--	991,081	934,972	1,384,067.91
TOTALS	9,812,619	9,335,366	\$13,527,276.54	23,300	23,201	\$43,201.29	9,835,919	9,358,567	\$13,570,477.83

State of Hawaii
Department of Land and Natural Resources
Honolulu

DIVISION OF AQUATIC RESOURCES

COMMERCIAL FISH LANDINGS BY SPECIES, STATE OF HAWAII - FISCAL YEAR 1984

Sea Catch by Species

SPECIES	LBS. LANDED	LBS. SOLD	VALUE	SPECIES	LBS. LANDED	LBS. SOLD	VALUE
Tuna (Unclass)	94	2	\$ 0.30	Oililepa	1,221	1,189	740.13
Aku	3,304,367	3,234,646	2,903,116.99	Oio	22,271	20,803	12,698.36
Ahi (Yellowfin)	2,030,337	1,928,669	3,096,791.11	Omaka	588	354	835.55
Ahipalaha	388,466	347,578	284,413.34	Oopuhue	90	90	89.40
Ahi (Bigeye)	243,798	242,276	577,826.69	Opelu	316,107	305,341	414,127.25
Kawakawa	41,007	33,837	31,655.30	Opule	582	581	987.85
Swordfish (Unclass)	330	330	135.00	Pala	234	234	171.71
Striped marlin	93,418	84,518	124,177.68	Pakii	68	68	56.25
P.B. marlin	327,503	291,380	242,181.44	Pakuikui	30	18	7.48
Black marlin	32,750	29,702	28,694.22	Palani	17,824	16,946	13,727.49
S.N. spearfish	23,130	19,128	26,183.30	Panuhunu	106	106	172.18
Broadbill	24,659	24,247	59,602.18	Panunu	136	132	206.85
Sailfish	2,481	1,984	2,424.34	Paopao	58	58	78.70
Mahimahi	275,836	255,580	835,782.41	Pauu	51	15	18.75
Ono	257,924	241,175	649,722.17	Piha	4	4	6.00
Hapuupuu	47,607	46,110	83,307.34	Pualu	3,559	3,434	2,527.99
Kahala	79,511	69,773	50,429.99	Eel	3,811	3,774	1,280.92
Kalikali	13,580	12,267	28,774.28	Eel (Black)	240	240	112.36
Omilu	16,844	16,502	28,533.06	Eel (White)	497	458	389.26
Opakapaka	228,817	223,030	756,715.75	Uhu	27,452	25,541	35,214.42
Uku	144,829	141,031	349,810.20	Ukikiki	3,987	3,595	6,354.45
Ehu	36,998	35,038	110,982.89	Uouoa	531	521	932.96
Onaga	87,607	84,387	314,332.63	Upapalu	33	28	29.18
Ulua	102,842	96,767	157,964.93	Uu	30,169	28,162	58,309.06
Weke-ulua	13,653	12,463	29,319.50	Uukanepou	331	330	665.88
A'awa	2,203	1,820	1,105.26	Walu	417	417	130.51
Ahaaha	426	386	302.74	Weke	57,828	54,671	59,408.09
Aholehole	5,710	5,366	8,467.73	Ulua kihikihi	489	489	1,012.83
Akule	646,348	616,489	676,263.06	Opah	7,872	7,872	5,168.55
Alaihi	267	261	393.56	Mola mola	3	3	1.56
Amaama	5,517	4,863	11,078.93	Malu	1,544	1,541	2,274.20
Awa	1,471	1,415	1,175.61	Saba	5	5	5.78
S. Mullet-Engeli	20	20	65.00	Tilapia	34	—	—
Awaawa	1,181	940	667.16	Taape	43,747	40,098	24,158.96
Aweoweo	3,516	3,221	4,339.61	Toau	12,620	9,793	6,665.41
Ea	468	373	209.30	Roi	113	113	203.03
Hahalalu	35,614	34,504	39,623.59	Keokeo	248	248	123.60
Hanui	391	377	500.50	Manchon-pomfret	6,848	6,742	8,271.20
Hauliuli	2	2	2.18	Popaa	341	324	384.18
Hihimanu	43	43	107.50	Po'ou	946	925	1,399.08
Hilu	6	6	3.55	Ulua-Buta	12,535	12,222	14,292.01
Hinalea	167	142	200.09	Ulua-Dobe	797	783	1,144.01
Humuhumu	1,403	967	905.60	Ulua-Gunkan	83	83	130.95
Kaku	9,344	7,888	6,527.69	Ulua-Menpachi	311	311	239.75
Kala	11,694	10,922	7,018.78	Ulua-Paapaa	576	565	1,034.36
Kamano	7,115	6,618	6,481.78	Ulua-White	24,726	23,718	51,223.51
Kawealea	12,751	11,867	11,271.06	Moana Kali-aoweke	1,699	1,646	7,672.50
Kole	2,855	2,658	2,790.35	Crab (Unclass)	869	794	1,360.78
Kumu	7,150	6,555	27,905.64	Crab Kona	17,216	13,275	42,878.65
Kupipi	197	197	186.39	Crab White	3,346	3,144	10,077.50
Kupoupou	40	40	57.40	Crab Moala	562	363	1,067.44
Laenihi	5,784	5,063	12,655.41	Crab Samoan	335	274	955.75
Lae	415	331	248.41	Shrimp (Opae)	3,038	2,768	7,748.50
Lauwiliwili	183	183	35.39	Lobster	69,849	59,831	312,183.50
Lehi	16,546	16,021	43,065.09	Slipper lobster	31,613	5,638	25,037.61
Maiii	107	107	65.73	Clam	36	36	73.00
Maiko	544	544	229.80	Hee	32,756	22,390	49,763.10
Malolo	88	18	17.76	Muhee	2,988	2,720	4,859.65
Maomao	2,240	2,170	2,573.06	Opihi	8,547	7,638	18,301.14
Manini	9,505	8,485	10,649.14	Hihiwai	200	200	600.00
Mano	12,879	9,777	6,206.81	Shrimp (Laevigatus)	316,287	316,167	527,406.82
Mano kihikihi	471	334	167.00	Shrimp (Ensifer)	289	289	841.50
Makiawa	2	2	0.70	Namako	14	2	5.25
Moano	9,461	8,888	18,015.51	Limu	16,349	16,120	24,845.39
Moi	5,708	5,430	10,707.87	Coral (Stony)	2,560	2,560	3,460.00
Moelua	1,589	1,559	2,378.21	Coral (Rose)	11,748	11,707	9,234.00
Mu	5,703	5,229	9,585.51	Coral (Black)	1,811	100	1,600.00
Naenae	3,396	3,395	1,621.96	Bass	20	12	25.00
Nehu	5	5	1.39	Catfish	30	30	22.13
Nenue	11,282	10,552	7,830.13	Oopu	718	357	779.00
Nohu	2,216	1,991	4,559.67	Misc.	25,102	23,797	38,265.44
Nunu	163	119	59.24				
				Total	9,812,619	9,335,366	\$13,527,276.54

NOTE: Data incomplete due to late reporting of fish catches.
JNS:ph (9/16/85)

POND CATCH BY SPECIES
Fiscal Year 1983-84

Species	Lbs. Landed	Lbs. Sold	Value
Omilu	2	2	\$ 6.00
Ulua	918	914	2,126.44
Aholehole	310	302	875.87
Amaama	5,238	5,238	14,738.26
Awa	2,120	2,120	2,688.46
Summer Mullet	1,070	1,069	3,920.91
Awaawa	806	806	787.78
Kaku	524	512	1,345.44
Lae	4	4	9.20
Moi	8	6	22.50
Oio	4,584	4,571	4,574.00
Palani	13	3	2.25
Pualu	1,474	1,474	1,422.34
Taape	256	251	188.25
Toau	314	308	973.85
Tilapia	5,256	5,249	8,212.80
Crab(White)	14	--	--
Crab (Samoan)	261	244	1,083.80
Shrimp (Opae)	3	3	12.90
Catfish	11	11	26.00
Carp	8	8	6.00
Oopu	3	3	13.50
Misc.	<u>103</u>	<u>103</u>	<u>163.74</u>
Total	23,300	23,201	\$43,201.29

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 historic sites, Natural Area Reserves, 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) 1984-85, a total of 1,086 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 3,810 hours investigating the total complaints.

DOCARE officers confiscated, after repeated warnings, beach sports equipment from commercial operators in Waiiki Beach and Kihei Beach who were conducting their business on public land without authority.

The Division assisted County police departments and the Federal Drug Enforcement Administration in carrying out the "Green Harvest" operations and on other marijuana eradication operations. Arrests were effected when marijuana cultivation or possession of marijuana were detected on State land and forest reserves.

Volunteer Conservation and Resources Enforcement Officers (total of 67 statewide) spent a total of 11,017 hours in patrol activities with the regular officers and in monthly meetings and training sessions.

Conservation Enforcement Training

During the year, various training sessions were conducted for the regular and volunteer enforcement officers. Among the subjects covered were Civil Liabilities, Weapon Retention, and Drug Awareness and Identification. In addition, the semi-annual firearms qualifications were conducted and sessions to clarify the new laws enacted by the State legislature.

Public Information and Education

DOCARE provides a variety of information and education services to the public. Among these are posters announcing the closed season on certain marine animals, a digest on the restrictions of taking marine life and areas where fishing is restricted. These posters and digests are distributed through the Division's office and by the enforcement officers at various fish markets, sporting goods stores, and boat ramps.

Press releases on closed and open seasons, amendments to conservation laws and rules, and schedules of hunter safety education classes were forwarded to various newspaper agencies, radio stations, and television stations.

DOCARE officers participated at various schools, youth and community organizations to explain their responsibilities and enforcement authority. The various County police departments have also included in their recruit training classes a presentation by DOCARE on its responsibilities and enforcement role.

Auctions of confiscated gear and equipment were held on the various islands. The total amount collected from the auctions was \$1,729.00. Among the items auctioned were a pick-up truck, rifles, fish gill nets, and hunting knives.

Hunter Safety Education

The Hunter Safety Education Program certified a total of 303 students for successfully completing the hunter safety education course.

Volunteer instructors spent 1,857 hours in providing instruction on hunter safety.

The Hunter Safety Program was publicized at information booths at various gun shows and the State Farm Fair. Prospective students were signed up at these booths.

A hunter education instructor workshop was conducted on Maui, Oahu and Kauai by Mr. Rick Lemon, Federal Aid Hunter Education Specialist, and Mr. Bill Hastie, Oregon Hunter Education Coordinator.

The State's Hunter Safety Education Program was awarded the Award of Merit, Class AA, from the International Association of Fish and Wildlife Agencies for achievement in the field of Hunter Education for 1984.

ENFORCEMENT SUMMARY

Fiscal Year 1984-85

	TOTAL	Hawaii	Maui Lanai Molokai	Kauai	Oahu
Parking Tickets	1,100	-	16	18	1,066
Charges	763	240	85	148	290
Citations	689	213	64	141	271
Penal Summons	7	-	5	1	1
Arrests	67	27	16	6	18
Bail Forfeitures (#)	10	-	5	1	4
Amount Forfeited (\$)	\$250	-	\$125	\$25	\$100
Juvenile Authorities	2	-	-	1	1
Cases	733	220	82	143	288
Dismissed	19	7	4	2	6
Pending	621	166	73	105	277
Convictions	93	47	5	36	5
Fines	87	44	5	34	4
Regular (\$)	\$4,885	\$1,685	\$700	\$2,300	\$200
Split (\$)	\$600/\$305s	-	\$50/\$50s	\$550/\$255s	-
Sentences Suspended	6	3		2	1

Footnote:

s - Suspended portion of fine (varying terms)

DISPOSITION OF CASES

Fiscal Year 1984-85

	TOTAL	Hawaii	Maui Lanai Molokai	Kauai	Oahu
Bail Forfeitures (\$)	\$2,245	\$50	\$600	\$200	\$1,395
Juvenile Authorities	22	-	4	14	4
Cases	710	206	87	86	331
Dismissed	110	38	17	26	29
Pending	293	56	28	8	201
Convictions	307	112	42	52	101
Fines	230	89	31	45	65
Regular (\$)	\$10,570	\$1,795	\$2,886	\$3,040	\$2,849
Suspended (\$)	\$825	\$150	\$675	-	-
Split (\$)	\$6,600/ \$3,995s	\$2,150/ \$1,025s	\$2,000/ \$1,365s	\$2,500/ \$1,365s	-
Sentences Suspended	77	23	11	7	36

Footnote:

s - Suspended portion of fine (varying terms)

FIELD ACTIVITIES

Activity	Number
Patrols & Investigations:	
Vehicle (Miles)	719,039.00
Foot (Miles)	6,245.25
Boat (Miles)	1,751.00
Horseback (Miles)	630.00
Swimming (Miles)	16.50
Helicopter	30.00
Stakeouts	639.00
Stakeout (Hours)	2,088.00

FIELD CONTACTS MADE

Field Contact	Number Contacted	Citations	Arrests	Warnings
Commercial fishermen	4,065	5		61
Marine sport fishermen	45,122	29		166
Freshwater fishermen	4,129	26		51
Hunters	9,213	22		77
Fish & wildlife resource users	7,406	3		24
State parks users	185,863	140		3,269
Forestry users	9,416	11	3	50
Wildlife sanctuary	37	23		
Natural area reserves	215	8		23
MLCD	276	2	1	
Land Management	769			
Conservation district	6			
Firearms	1		1	

INSPECTIONS MADE

Types of Inspection	Number Inspected	Citations	Arrests	Penal Summons	Warnings
Commercial fishing crafts	955				3
Sport fishing crafts	1,754	2			
Saltwater fishermen	18,862	145	9		172
Freshwater fishermen	3,293	27	1		151
Hunters	6,333	195	29	5	147
Fish markets	2,514	5			32
Fish peddlers	133				
License agents	232				5
Aquarium fish facility	48	2			3
State parks	10,379	40	4		484
Forest reserves	3,881	16	3		138
Tea houses/restaurants	18				
Firearms	3				
Wildlife sanctuary	208				4
Marine life cons. district	360	3			19
Natural Area Reserves	163				16
Land Management	51		3		3

COMPLAINTS AND INVESTIGATIONS

Type of Complaints and Investigations	Number	Hours
Fishing	309	888.50
Hunting	98	363.00
Forestry	75	337.75
State parks	205	765.50
DLNR Regulation No. 4	260	919.00
Miscellaneous	139	536.25

PUBLIC INFORMATION

Types of Information	Number
Talks made to groups	20
Printed informational material	2,019

CITATIONS AND ARRESTS

Type of Violations	Number
<u>Fishing</u>	
Prohibited activities - Waiakea Pond (boating after hours)	1
Prohibited activities - Kahului Harbor (unlawful use of thrownet)	1
Prohibited activity - Waikiki/Diamond Head FMA	3
Prohibited activity - Pupukea MLCD (lay net fishing)	1
Prohibited activities - Manele/Hulupoe MLCD (destruction of coral)	1
Prohibited activities - Manele/Hulupoe (taking opihi)	2
Prohibited activity - Wahiawa PFA (fishing with more than one pole/line)	2
Prohibition on taking/sale/possession/removal of undersize octopus	6
Restrictions on taking/possession/sale of spiny lobster (closed season)	30
Restricted fishing - Hilo Bay (commercial use of fish caught in Hilo Bay)	3
Restrictions on taking/possession nehu for home consumption	5
Restrictions on taking nehu/iao	2
Restrictions - Waiakea fishing area (prohibited fossil fuel motor)	2
Restricted netting of akule (halalu)	2
Restricted fishing activity - Kapaa Canal (fishing with net)	2
Restrictions Kokee PFA - (trout fishing during closed season)	2
Restriction/bag limit Wahiawa PFA - (tucanare)	1
Restriction on possession of undersize spiny lobster	6
Restriction on taking/possession/sale of spiny lobster (mutilated)	2
Restricted fishing activity - Haleiwa Boat Harbor	1
Offering opihi for sale under 1¼ inch shell diameter	1
Sale or offer of sale of minimum size (undersize Kona crab)	3
Sale or offer of sale of minimum size (undersize opakapaka)	1
Sale or offer of sale of fish, minimum size (moana)	1
Sale or offer of sale of fish, minimum size (slipper lobster)	1
Possession of undersize opihi	1
Possession of fine mesh thrownet	40
Possession of Kona crab - closed season	2
Possession/sale/offer of sale special marine products without license	2
Possession papio less than 7 inches (ulua/papio and omilu)	7
Possession or use of explosives, electro fishing device	8
(electro fishing device)	
Taking of undersize opihi	8
Taking crustaceans with eggs (lobster)	13
Unlawful taking of coral	1
Unlawful taking/possession/sale of sea mullet closed season (possession)	7
Unlawful taking/possession/sale of sea mullet closed season (taking)	2
Taking bait fish without permit	3
Receipts in duplicate	2
Minimum size fish (aholehole)	2
Permit to take/possess/sale shellfish (possession of oysters)	12
Fishing in certain waters (fishing with thrownet in Waikaena Canal)	1
Fishing without a freshwater license	17
Fishing with fine mesh net/trap (net)	30
Fishing with firearms, spears (speared lobster)	8
Engaging in commercial fishing without license	12
TOTAL FISHING VIOLATIONS	260

Hunting

No hunting license	46
No entry permit	24
No entry permit - unit "H"	3
Hunting in closed area	1
Hunting with dogs in prohibited area	16
Hunting on non-hunting day	12
Hunting closed season	4
Hunting on private land without landowner's permission	7
Hunting with dogs closed season	3
Permitted hunting certain game mammals (illegal possession game mammal)	10
Prohibited hunting - Kauai (hunting wild pig with rifle - unit "D")	4
Bag limits, open seasons, and hunting days (hunting goats - closed season)	5
Conditions & restrictions (failure to check in/out)	37
Conditions & restrictions (illegal hunting weapon)	8
Conditions & restrictions (no colored garment)	26
Conditions & restrictions (removal of live game from hunting area)	1
Conditions & restrictions (loaded firearm in vehicle)	8
Conditions & restrictions (discharge firearm in safety zone)	3
Conditions & restrictions (possession air gun in hunting area "F")	1
Conditions & restrictions (gutting/beheading of deer)	1
Conditions & restrictions (possession firearm in public hunting area on non-hunting day)	2
Safety zone (possession firearm in safety zone)	2
Safety zone (hunting in safety zone)	2
Failure to display hunting license	2
Illegal firearms	3
Camping in hunting area without permit	3
Night hunting on private lands	1
Unlawful hunting at night	2
Unlawful hunting of deer with artificial light	5
Unlawful taking of game mammal (taking goat - closed season)	2
TOTAL HUNTING VIOLATIONS	244

State Parks

Prohibited operation of vehicle off road	28
Prohibited use/possession of alcohol in state park	11
Prohibited animal in state park	11
Prohibited activity (taking plants from state park)	2
Prohibited activity (intentional defacement of public property - Iao Park)	1
Prohibited commercial solicitation	5
Prohibited advertising - Waimanalo State Park	1
Closed area - Malaekahana	1
Closed area - Magic Island	52
Closed area - Sand Island	1
Closed area - Honolulu Stadium State Park	2
Driving on grass	1
Vehicle & motorized bike operation (vehicle in park campground, Kokee)	3
Sanitation (littering on premises)	3
Bringing trash from outside the premises	2
Residence on premises (residing on premises without permit)	5
Violation of permit conditions (camping without a permit)	28
Agriculture use of premises (grazing horses - Kokee Park)	1
Fishing (fishing in prohibited area - Lydgate Park)	3
Firearms prohibited in state park	4
TOTAL STATE PARKS VIOLATIONS	165

Forestry

Prohibited operation of vehicle in forest reserve	2
Prohibited entry (closed watershed)	10
Prohibited activities - (preservation of public property)	2
Collecting forest items without permit (ginger plant)	1
Collecting forest items without permit (uki grass)	2
Collecting forest items without permit (Maile)	2
Collecting forest items without permit (hapuu)	2
No commercial harvesting permit	2
Residence on forest reserve lands	2
Firearms/weapons in forest reserve prohibited	2
	<hr/>
TOTAL FORESTRY VIOLATIONS	27

Fish & Wildlife Sanctuary

Prohibited entry (Manana Island)	11
Prohibited activity (Nuuanu Freshwater Fish Refuge)	3
	<hr/>
TOTAL FISH & WILDLIFE SANCTUARY VIOLATIONS	14

Natural Area Reserves

Prohibited activities (taking of lava rock) Ahihi-Kinai	7
Prohibited activities (fishing w/thrownet) Ahihi-Kinai	1
	<hr/>
TOTAL NATURAL AREA RESERVES VIOLATIONS	8

Miscellaneous

Contempt of court	1
Rape	2
Carrying a deadly weapon	1
Felon in possession	4
Place to keep	3
Possession defaced firearm/serial number	1
Promoting detrimental drugs, 3rd (marijuana)	1
Promoting detrimental drugs, 1st (marijuana)	1
	<hr/>
TOTAL MISCELLANEOUS VIOLATIONS	14

LICENSES AND PERMITS

COMMERCIAL MARINE FISHING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Commercial Marine Resident					
Number	685	448	242	1,109	2,484
Amount	\$ 6,850	\$ 4,480	\$ 2,420	\$ 11,090	\$ 24,840
Non-Resident					
Number	14	6	4	130	154
Amount	\$ 280	\$ 120	\$ 80	\$ 2,600	\$ 3,080
Duplicate					
Number	--	2	2	5	9
Amount	--	\$ 1	\$ 1	\$ 3	\$ 5
Special Marine Product					
Number	10	9	5	115	139
Amount	\$ 53	\$ 35	\$ 13	\$ 365	\$ 466
Commercial Bait					
Number	1	3	1	15	20
Amount	\$ 1	\$ 3	\$ 1	\$ 15	\$ 20
NWHI *					
Number	--	--	--	21	21
Amount	--	--	--	\$ 21	\$ 21
TOTAL					
Number	710	468	254	1,395	2,827
Amount	\$ 7,184	\$ 4,639	\$ 2,515	\$ 14,094	\$ 28,432

* Northwestern Hawaiian Islands (Leeward Islands)

** Fractional amount (less than a dollar excluded)

LICENSES

FRESHWATER FISHING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Resident					
Number	3	--	539	4,959	5,501
Amount	\$ 11	--	\$ 2,008	\$ 17,696	\$ 19,715
Non-Resident					
Number	--	--	6	23	29
Amount	--	--	\$ 43	\$ 165	\$ 208
Tourist					
Number	--	--	71	82	153
Amount	--	--	\$ 258	\$ 293	\$ 551
Juvenile					
Number	--	--	88	1,108	1,196
Amount	--	--	\$ 127	\$ 1,584	\$ 1,711
Senior Citizen					
Number	1	--	51	172	224
Amount	--	--	\$ --	\$ --	\$ --
Duplicate					
Number	--	--	3	25	28
Amount	--	--	1	12	13
TOTALS					
Number	4	--	758	6,369	7,131
Amount	\$ 11	--	\$ 2,437	\$ 19,750	\$ 22,198

* Fractional amount (less than a dollar) excluded

LICENSES

HUNTING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Resident					
Number	3,456	2,197	1,942	3,214	10,809
Amount	\$ 24,765	\$ 15,827	\$ 13,910	\$ 22,942	\$ 77,444
Non-Resident					
Number	181	963	24	61	1,229
Amount	\$ 2,575	\$ 2,320	\$ 336	\$ 878	\$ 6,109
Senior Citizen					
Number	96	122	45	110	373
Amount	--	--	--	--	--
Duplicate					
Number	42	64	48	34	188
Amount	\$ 22	\$ 32	\$ 23	\$ 16	\$ 93
TOTALS					
Number	3,775	3,346	2,059	3,419	12,599
Amount	\$ 27,362	\$ 18,179	\$ 14,269	\$ 23,836	\$ 83,646

* Fractional amount (less than a dollar) excluded

LICENSES AND PERMITS

MISCELLANEOUS

TYPE	STATEWIDE
Game Bird Farm	
Number	28
Amount	\$ 28
Aquarium Fish	
Number	177
Amount	--
TOTALS	
Number	205
Amount	\$ 28

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.

During fiscal year (FY) 1984-85, 202,813 documents were received by the Bureau of Conveyances. The regular registration system received 140,001 documents. The Land Court system received 62,812 documents.

There were 11,192 new transfer certificates issued under the Land Court System. This was a slight increase over the previous fiscal year. One reason for this increase was the creation of two deeds covering half interests in properties held by husband-wife and again in placing each deed into trusts and issuance of separate transfer certificates of title for each one half interest.

For the FY 1984-85, 403 foreclosure documents on condominium and real property were recorded amounting to \$42,338,283 in both the Land Court and Regular Registration Systems. Foreclosures in the regular system totalled \$25,173,994, including:

Apartment leases \$7,052,033
 Apartment deeds 6,682,534
 Other leases 3,080,224
 Other deeds 8,359,203

Foreclosures in the Land Court system totalled \$17,214,289, including:

Apartment leases \$6,646,375
 Apartment deeds 5,293,928
 Other leases 1,246,584
 Other deeds 4,027,402

Data on foreclosures have been collected for over 10 years; however, ten years ago the data were regarded as insignificant. Foreclosures during FY 1984-85 are somewhat greater than the previous year.

During FY 1984-85, Bureau receipts totalled \$1,325,144. The regular system yielded \$782,073, including:

Recording fees \$733,011
 Certified copies 48,844
 Service charge on checks 217

The Land Court system yielded \$543,070, including:

Filing fees \$314,885
 Transfer certificates 228,185

In addition to receipts, a conveyance tax was collected amounting to \$1,860,652.

DOCUMENTS RECEIVED AND CERTIFICATES OF TITLE ISSUED

Fiscal Year	Documents Received			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
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
1984-85	202,813	140,001	62,812	11,192
TOTAL	1,914,701	1,336,923	452,154	95,882

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)
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	2,426,836	10.6	394,304	18.8	695,768	5.1	190,370	3,709,278
1979-80	68.2	3,089,239	13.1	591,763	12.5	565,806	6.2	282,919	4,529,727
1980-81	63.4	2,512,596	12.8	506,007	14.3	566,960	9.5	374,451	3,960,014
1981-82	69.5	2,011,748	10.6	306,301	12.2	353,045	7.7	221,538	2,892,632
1982-83	62.9	1,903,777	9.7	293,964	21.0	637,263	6.4	192,462	3,027,466
1983-84	69.0	2,474,132	14.4	514,705	12.3	441,485	4.3	155,003	3,585,325
1984-85	68.3	2,540,240	9.3	346,374	17.5	649,113	4.9	183,929	3,719,658

RECEIPTS OF THE BUREAU OF CONVEYANCES

Fiscal Year	Receipts		
	Regular System	Land Court System	Total
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
1984-85	782,073	543,071	1,325,144
TOTAL	\$7,500,979	\$3,762,604	\$11,263,523

DIVISION OF FORESTRY AND WILDLIFE

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

SIGNIFICANT ACTIVITIES

Hawaii Wildlife Plan. The Hawaii Wildlife Plan, a strategic policy document for the State for the 1980's and beyond was published during the year. It describes needs, problems, opportunities and plans for Hawaii's game and non-game wildlife resources as well as program areas. Illustrated, with tabular references, it is intended for agency use, but will be of interest to private conservation organizations and educational institutions.



Some of the 175 participants of the 1984 National Association of State Foresters meeting held in Kailua-Kona in October.

State Foresters Conference. In October, the Division of Forestry and Wildlife hosted the annual meeting of the National Association of State Foresters (NASF). This five-day meeting was held in Kailua-Kona, Hawaii. Forty-nine delegates, representing mainland states, the Virgin Islands, Puerto Rico, Guam, and Micronesia participated. One of the primary objectives of the NASF is to ensure that the Nation's future forest products needs are met.



Prince Hitachi and Princess Hanako of Japan, Governor and Mrs. Ariyoshi, Mr. John "Doc" Buyers, other dignitaries, and the media at a tree planting ceremony. Taking place at the National Memorial Cemetery of the Pacific, Punchbowl, this was the kick-off for the 'A Million Trees of Aloha' project, 16 June 1985.

A Million Trees of Aloha. To commemorate the 100th anniversary of the arrival of the first Japanese contract laborers (*Kanyaku imin*) into Hawaii and the 150th anniversary of the Hawaiian Sugar Planters' Association (HSPA), a million trees, one to represent each citizen of Hawaii, will be planted throughout the state in calendar year 1985. The Division was selected to propagate the million trees. Over seventy two species have been propagated in State nurseries. This project is co-chaired by First Lady Mrs. Jean Ariyoshi and Mr. John "Doc" Buyers, President of C. Brewer and Company.

Inmates' Community Service. A work program for inmates was developed by the Department of Social Services and Housing and the Department of Land and Natural Resources. The program, implemented in August 1983, continues to be very successful. The Oahu Correctional Community Center of the Department of Social Services and Housing furnished the manpower while the Division provided the work. During the year, work was carried out in trail, arboretum, and nursery maintenance; nursery plant production; sign and barricade construction; wildlife water unit construction; and other forestry-related operations.



Dr. Roger Skolmen, a researcher with the Institute of Pacific Islands Forestry, U.S. Forest Service discusses an eucalyptus provenance trial with a group of visiting scientists.

BioFuel Workshops. Division staff participated in the Pacific Basic BioFuel Workshop, held at the Sheraton Makaha on Oahu on November 1 and 2, 1984. The workshop recognized that there are now several species of Eucalypts and legumes that are good biofuels for many locations throughout the Pacific Basin. Other species require additional study and research.

Eucalyptus Harvest for Electricity Generation. A license to harvest some 2,000,000 cubic feet of *Eucalyptus saligna* and *E. robusta* was issued to BioPower Corporation. Since commencing this activity in May of this year, BioPower Corporation has harvested 7,144 green tons of chips. The Eucalypts, on about 1500 acres, were planted in the reforestation area of the Waiakea Forest Reserve in the 1960s. The Eucalyptus should provide a significant portion of the fuel needs of the power plant at the Puna Sugar Mill.

Endangered Plant Species. Two plant species were officially added to the endangered species list to bring the total to eleven. The latest plants are a dryland shrub *Gouania hillebrandii* from western Maui and the hau-hele'ula or Hawaiian tree cotton (*Kokia drynarioides*) from the island of Hawaii. This hau-hele'ula is related to the Cooke's koki'o and served as a Polynesian dye source for fish nets.

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 220,033 seedlings in dibble tube containers, almost the same as last year. The number of bare-root seedlings grown was 40,161.

Of the seedling produced, nearly 89,826 (35%) were for wood fiber utilization, either for timber or biomass outputs. Of the rest, 152,968 were for windbreaks and 17,400 were Christmas tree seedlings. Most of the plants serve dual purposes: soil erosion control and watershed improvement.

The "Million Trees of Aloha" program brought increased interest in tree planting. To augment the planting stock on hand, the Central Tree Nursery produced 22,728 seedlings for this program, Arbor Day and other community beautification projects as well as 2,310 seedlings of rare native plants.

Kauai District Nursery. The nursery distributed 490,662 seedlings, 480,000 of which were forest-grown Norfolk Island Pine seedlings which were sold to the public. During the fiscal year 1984-85, the nursery distributed plants for special projects such as: Arbor Day (2,005 plants) and HSPA/ Imin Celebration (3,800 plants — January 1 through June 30).

Oahu District Nursery. Over 30,000 seedlings of kukui, false willow, milo, royal poinciana, jacaranda, and other species were produced. The majority were grown for distribution for the HSPA/Kanyaku Imin Anniversary Celebration while others were distributed to schools and scout organization to perpetuate the concept of conservation.

Maui District Nursery. The Maui District Nursery produced 60,000 trees for the HSPA/Kanyaku Imin tree planting project, the distribution for which will continue through the end of 1985.

Hawaii District Nursery. A total of 11,769 seedlings were propagated and distributed during the year: 1) Timber trees (640) for reforestation purposes; 2) Ornamental trees and plants (8,304) for landscape and beautification use were distributed to various government agencies and to the public for the Silver Jubilee planting on Arbor Day; and 3) Native plants (2,828) were grown and distributed to various governmental agencies and to the public for the Silver Jubilee planting and on Arbor Day. Nursery production is being increased to provide plants for the HSPA/Kanyaku Imin celebration. A temporary nursery helper was hired in April, 1985 to help produce the seedlings.

Tree Planting and Timber Stand Improvement

Kauai District. Reforestation work accomplished were site preparation of 23 acres (17 acres in the Lihue-Koloa Forest Reserve and 6 acres in the Puu Ka Pele Forest Reserve) and

tree planting of 13 acres (7 acres in the Lihue-Koloa Forest Reserve and 6 in the Puu Ka Pele Forest Reserve). Also, a 4.8 acre seed orchard was developed with Queensland Maple in the Lihue-Koloa Forest Reserve.

Timber Stand Improvement included 3 acres of replanting, 4 acres of weeding, and 12 acres of fertilizing.

Oahu District. Replanting was accomplished in the Wai-ahole Forest Reserve. The District planted over 1,500 Norfolk Island Pine seedlings to reestablish a Christmas tree orchard.

Maui District. All tree planting and timber stand improvement work was concentrated in the West Maui Forest Reserve at Kahakuloa: 1) Site Preparation — 39 acres; 2) Tree Planting — 41 acres; and 3) Replanting — 20 acres.

Hawaii District. The district continued with the reforestation of abandoned cane lands at Waiakea: 1) Site Preparation (machine clearing) — 75 acres; 2) Tree Planting — 82 acres; 3) Weeding — 76 acres; and 4) Fertilizing — 215 acres.

Forestry Assistance. The Division provides technical assistance on forestry matters to landowners and processors of forest products as a regular service. During the past year, technical assistance was made available to 369 landowners. Accomplishments include: 1) Eleven management plans encompassing 573 acres; 2) Numerous advisories to homeowners on species selection; 3) Advice on windbreaks; and 4) Recommendations on dispersed recreation and wildlife habitat improvement.

In conjunction with the "A Million Trees of Aloha" project, the Division will be working with the public on species selection, care, and maintenance. Instructional brochures have been developed as handouts to further assist the public in their tree planting endeavors.

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.



Wildlife biologist examines waterbird habitat conditions along Wailua River, Island of Kauai.

Fire Management

Maui District. In November, an abandoned campfire was the cause of a forest fire at Kula Forest Reserve. It took two weeks to bring that fire under control. A total of 1.5 miles of

hose was established with "relays" set up to pump water nearly 4,000 feet up the sides of Haleakala. County tank trucks shuttled water up to 2.5 miles on difficult mountain roads to supply water for hose lines and helicopter buckets.

Roughly 150 acres of pine and eucalyptus forests and 30 acres of native pukiawe, aalii, and native high elevation brush were destroyed. The cost of controlling this forest fire was estimated at \$100,000.

To increase fire protection in special resource management areas adjacent to forest reserves, two new fire districts were designated to incorporate The Nature Conservancy's Waikamoi and Kamakou Preserves and their two preserve managers were named as fire wardens and trained.



A 1984 Chevrolet 4x4, 250 gallon pumper acquired by the Kauai County Fire Department under the rural community fire protection program in cooperation with the U.S. Forest Service and the Division of Forestry and Wildlife.

Kauai District. In cooperation with DOFAW and the U.S. Forest Service, the Kauai County Fire Department received two mini-pumpers from the California Surplus Equipment Distribution System. These are identified as: 1) 1968 Ford 4 x 2, 300 gallon mini-pumper and 2) 1974 Dodge 4 x 4, 200 gallon mini-pumper.

Under the Rural Community Fire Protection Program, the County received cost-share assistance to acquire a 1984 Chevy 4 x 4, 250 gallon pumper and support equipment. The unit is stationed at Haena to bolster wildfire protection in that remote area of the Garden Isle.

Forest Pest Management

Pest management efforts centered around the two forest weeds: banana poka and clidemia.

In banana poka control, the importation of candidate biological control insects for investigations in the newly certified quarantine facility at Volcanoes National Park began. Five different species were imported from Colombia and Ecuador. Work on one candidate biological control disease continued at the United States Department of Agriculture (USDA) Plant Disease Research Laboratory in Maryland. An entomologist and a plant pathologist from the University of Hawaii are carrying out the work for the Division through a cooperative agreement.

In clidemia control, the testing of the twelve candidate biological control insects that was started in May 1984 continued in Trinidad in cooperation with the Hawaii Department of Agriculture (DOA). Additional funds were provided to DOA for work through May 1986. Thus far, every candidate has given positive indications of being agents that are effective and safe.

Beautification and Native Plant Species

Kauai District. The nursery produced and distributed 4,873 native and ornamental plant species to various parks, arboreta, schools, and other State and County government projects. Six hundred seventy-two (672) families participated in

island beautification with home Arbor Day plantings in addition to the plants distributed for the Statehood Silver Jubilee.

Oahu District. Over 1,000 plants, ranging from slash pine to paperbark were propagated for distribution to the public during Arbor Day. A total of 2,500 slash pines and Norfolk Island Pines were replanted in the Kuaokala Forest Reserve where a fire occurred in May, 1985.

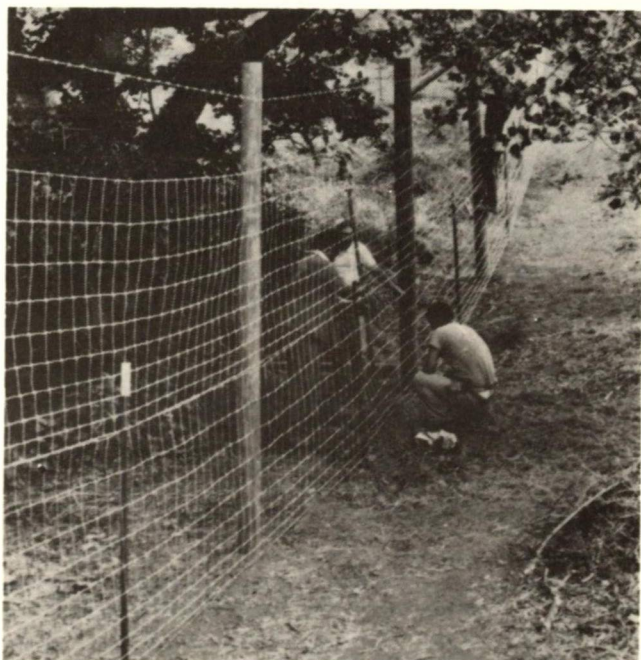
Maui District. During the past year, 60,000 trees were planted for the HSPA/IMIN "A Million Trees of Aloha" program in the Kahului Tree Nursery. A selection of 28 species of ornamental trees were established for eventual distribution for a large number of Urban Forest beautification projects including street tree plantings, park beautification, school grounds beautification, and other projects. Later in the fall, several regional community giveaways to the general public are planned.

Hawaii District. On Mauna Kea, a total of 25 acres was planted with potted mamane seedlings for erosion control and mamane forest improvement purposes.

Endangered Plant Species

Hawaii District. Five enclosure sites were selected on state forest lands where the endangered Hawaiian vetch vine (*Vicia menziesii*) will be introduced. Three sites are in Kau and two sites are in the Hilo Forest Reserve near Keanakolu. This vetch is related to plants used in medicine to treat Parkinson's Disease and the flowers produce nectar utilized by native forest birds. Presently this vine grows on 1,500 acres of private land, where most of the plants occur on agricultural-zoned land. Five enclosures approximately 100 x 100 feet in size are being built using hog wire to exclude pigs. They will be planted with vetch seeds next winter in an attempt to reestablish the species within its former range.

A one-acre enclosure was constructed at Puu Waawaa for planting nursery grown koki'o seedlings. In fiscal year 1984-85, seedlings were propagated at the district nursery for this project.



Cooke's Kokio (*Kokia cookei*) protective fencing project on state forest land at Kamiloloa, Molokai.

Maui District. On Molokai, three enclosures were built to protect future plantings of Cooke's koki'o (*Kokia cookei*). Each

closure is 100 x 100 feet in size with a 9.5 foot high fence exclude all grazing animals. One site is within the Molo-i Forest Reserve and two sites are on the the western end the island near the plant's original habitat. This is an tempt to reestablish the species within its former Molokai nge, since there are only 6 grafted plants now in existence, l under cultivation on Oahu. This tree has a copious pro-in-rich nectar produced in large red, hibiscus-like flowers.

Kauai District. A botanical reconnaissance was conducted ly 16-21, 1984, along the Na Pali coast of Kauai from Moli- Valley to Haena to determine the trends in populations of are plants over time with increased state park usage. This is follow-up of a survey done five years ago. Fewer rare species were found and there was significant browsing by oats of understory plants in the remote southern sector, particularly Milolii Valley. A small colony of 88 plants of the oxious weed, *Clidemia hirta* was found and immediately re- moved from Kalalau Trail within the Hono O Na Pali Natural Area Reserve. This small colony is the second find- ing of clidemia along this trail and may have been the source of the single juvenile clidemia plant removed from the Hanakoa Stream Trail junction. If allowed to become estab- lished and spread, clidemia is expected to alter the composi- tion of the forest, crowd out native and rare Hawaiian plants, create additional trail maintenance costs and labor, and limit hiker visibility of scenic panoramas.

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 fluctuations as well as habitat changes. The results were:

	<u>August 1984*</u>	<u>January 1985*</u>
Hawaiian Stilt (Aeo)	1,360	829
Hawaiian Gallinule (Alae ula)	60	194
Hawaiian Coot (Alae Keokeo)	2,998	1,537
Hawaiian Duck (Koloa)	191	299

The seabird salvage project on Kauai processed a total of 1,474 dead, stunned, or injured fledgling Newell's Shear- waters and 8 Dark-rumped Petrels and 2 band-rumped Storm-Petrels during the October-November 1984 fledg- ling period. Of these, 90% were treated, banded, and released back into the wild.

Wildlife Sanctuaries

The Division manages over 81,000 acres of State Wildlife Sanctuaries through direct ownership or cooperative agree- ment with private landowners or military agencies. These areas protect habitat for seabirds, waterbirds, monk seals, green sea turtles, and native waterfowl; including several species which are endangered. A new sanctuary at Pauvalu Point on Maui is being established to protect seabirds and other wildlife. Management of these sanctuaries included periodic inventories, predator control, and the maintenance of fences, water pumps, and public use facilities.

Hawaiian Crow ('Alala) Restoration

Based on Spring 1985 field surveys, it is believed that between two and ten 'Alala survive in the wild. The State's Endangered Species Facility at Pohakuloa houses nine of the endangered 'Alala in captivity. The Division's efforts to restore this species utilizing captive propagation methods have become all important for the survival of the species as a whole.

The behaviorist-aviculturist, Dr. Fern Duvall, studied the behavior of the captive 'Alala at Pohakuloa through the course of one year. Some of his recommendations, were suc- cessfully implemented to better accommodate the 'Alala. However, these birds reproduction, social behavior, and health were being adversely affected by nearby military activities and the adverse climatological conditions of the site. The relocation of the facility to the proposed Olinda, Maui site will alleviate these problems and will greatly bene- fit the captive birds.

An important acquisition for the captive propagation pro- gram was an incubation trailer which is largely self-con- tained, transportable, and completely equipped. This trailer was procured for the 1985 'Alala breeding season to meet the demands of incubating and hatching 'Alala or other pas- serines. Despite this effort, no hatchable eggs were pro- duced by the 'Alala this breeding season.

The declaration and setting aside of a wildlife sanctuary at Puu Waawaa on Hawaii Island by the Board of Land and Natural Resources was a very important event during the year. At this site, the Division will be able to release captive- reared 'Alala and maintain them in their own habitat. Human activities, forest ecosystem degradation and poach- ing, will be controllable in a designated sanctuary.

Hawaiian Goose (Nene) Restoration

Field observations of Hawaii's state bird, the Nene, continued for the determination of distribution, move- ments, 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.

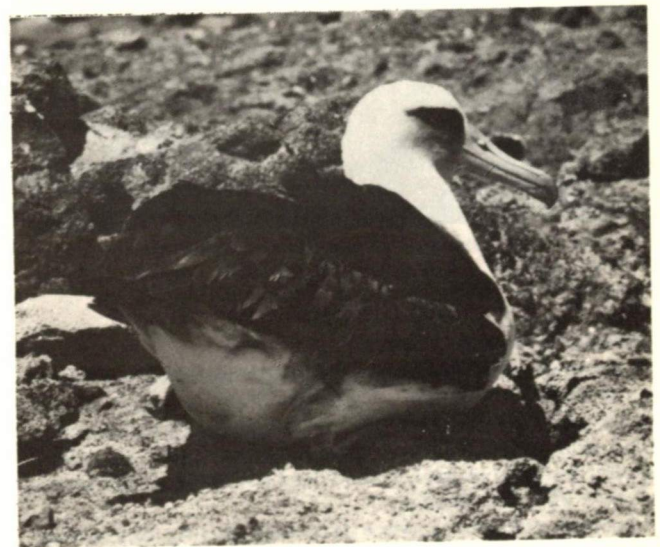
Damon Estate donated a 30,000 gallon reservoir for Nene use in Kahuku Nene Sanctuary on the island of Hawaii.

Thirty-nine goslings from thirteen pairs of captive Nene were reared at the Pohakuloa facility; fourteen of these gos- lings were later given to Hawaii Volcanoes National Park for cross-fostering and release with Nene pairs there. Twenty- five of the 39 remain at Pohakuloa for release later this year.

Eight wild nests were located at one site on Hawaii Island and six young were known to have fledged. At the Keauhou Nene Sanctuary, at least two additional wild goslings were produced.

A total of at least 1,368 Nene have been released on Hawaii and another 489 on Maui since the program began in 1960.

Experimental plastic, colored, and numbered collars were tested on captive Nene in the Honolulu Zoo on Oahu; evalu- ation of this marking technique for possible use with wild Nene is ongoing.



Laysan albatross or moli



Masked booby or 'a



Great frigatebird or 'iwa

Several of the many species of seabirds that nest on Kure Atoll.

Northwestern Hawaiian Islands Management

Surveys were made of Kure Atoll, a State wildlife sanctuary, to determine the status of seabirds, sea turtles and the monk seal. Permits to researchers for access to and studies on the sanctuary were reviewed and issued where warranted.



Biologist and forester scan slopes of Kahoolawe during census of feral goats. A cooperative program with the U.S. Navy is intended to eventually remove all goats from the island.

Kahoolawe Management

A program to advise the U.S. Navy on methods of eradication of feral goats which adversely affect the vegetation on the island continued during the year. Biologists coordinated aerial censuses of goats to determine their numbers, distribution, and impact, and advised the Navy on telemetry to locate remnant flocks.

Planting conditions were favorable during the winter months and 10,000 ironwood and tamarisk trees were

planted during the month of February. Despite good planting conditions, survival was less than 30%.

RECREATION PROGRAM

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

District Projects

Kauai District. During the past fiscal year, a total of 73 miles of road and 30 miles of trails were maintained for public use. Also, one mile of boundary fence was constructed and one new scenic viewpoint was developed.

The Keahua Forestry Arboretum and the Pua Loke Arboretum were regularly maintained due to heavy public use.

Progress in negotiations with the private landowner was made on the Nonou Forest Reserve right-of-way from Kuamoo Road. An amicable settlement should be reached in the next fiscal year.

Oahu District. During the past year, over 65 miles of trails and 15 miles of forest roads were maintained for public use.

Over 117 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.

Maui District. On Maui 11.1 miles of forest trails were maintained primarily within the Kula, Kahikinui, Koolau, and West Maui Forest Reserves where public hunting and recreation uses are popular. A total of 13.6 miles of forest fences were maintained.

The popular roadside recreational stops at Waikamoi, Puohokamoa, the Haipuaena are receiving heavy use from tourists. Regular maintenance is required to keep these natural stream settings attractive.

The Keanae Arboretum continues to be a popular public attraction along the Hana Highway. Tourists, who make up over 90% of the visits, appreciate the opportunity to see beautiful tropical plants in a natural setting. Schools and the adjacent YMCA are increasing their use of this arboretum for educational field trips and Hawaiian studies. Many local residents come to view and study the excellent collections of Hawaiian taros, bananas, sugar canes, and medicinal plants.

On Molokai, 76.9 miles of forest roads and 5.0 miles of fenceline were maintained during the year to keep the Molokai Forest Reserve access road open and keep cattle out of the reserve lands. This road provides access to important public hunting areas and to the popular recreation stops at the Lua Moku Iliahi (Sandalwood Measuring Pit) and the Waikolu Lookout and Picnic areas.

Game Research and Surveys

Studies of game bird and mammal resources were carried out to provide a basis for management and to devise regulatory measures. Aerial surveys were used to estimate mouflon populations on Hawaii and Lanai; axis deer populations on Molokai, Lanai, and Maui; and feral goat populations on Kauai.

Pre-hunting season estimates of game mammals were as follows: (1) 998 mouflon sheep in the cooperative game management area on Lanai and 466 mouflon sheep in and around the Mauna Kea Game Management Area on Hawaii; (2) 400 black-tailed deer on Kauai; and (3) 2,450 and 114 axis deer in game management areas on Lanai and Molokai, respectively. The estimated goat population in the Waimea Canyon and Na Pali Coast areas on Kauai increased from 1,340 in 1984 to 2,074 in 1985. As a result, a limited hunting season was planned after a two-year closure to permit herd recovery.

The life history study of the Erckels' francolin continued on Kauai. Captive birds successfully produced young, providing important life history information for use in managing wild populations to the benefit of sportsmen. In the wild, francolin populations were depressed due to a severe drought.



Rock wallaby peering down from rocky outcrop in Kalihi Valley, Oahu.

The study of rock wallabies on Oahu continued for the fourth year. Three wallabies were captured in live traps and weighed, measured, and ear-tagged; then released. There has been a downward trend in the population, possibly due to drought conditions and predation.

Public Hunting

Statewide, game mammal hunters made 13,005 trips into public hunting areas and harvested a total of 2,718 mammals of which 116 were feral sheep, 1,206 feral pigs, 256 feral goats, 882 axis deer, 20 blacktail deer, and 238 mouflon sheep. An undetermined number of pigs and goats were harvested on other public hunting areas and private lands where records were not kept.

The game bird season was cancelled on public lands on the Islands of Maui, Molokai, and Lanai because of low bird populations due to drought conditions during 1984. The number of game bird hunter-trips made into public hunting areas on Hawaii, Oahu, and Kauai was 7233 and the total harvest was 4,920 birds.



Wildlife management assistant servicing game water units at Mahana on the Lanai public hunting area. Provision of water enhances game productivity and leads to improved hunter success.

On public hunting areas, development and maintenance of game bird and mammal water units, feeding sites, and habitat areas enhanced productivity and improved hunting opportunities on all islands. Noxious vegetation was removed, beneficial food plants were installed, and game predators were controlled on game management areas on Hawaii, Maui, Kauai, and Oahu. Over 180 miles of hunter access roads and trails, hunter checking stations, and area signs were maintained throughout the state.

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.



A multi-disciplinary group; i.e. forest inventory specialists, biologist, botanist, and a statistician; work out procedural details for field plots to insure reliability of inventory data.

Research and Technology Transfer

Multi-Resource Inventory. A preliminary report of the Molokai Multi-Resource Inventory was submitted to the 1985 Legislature. A final version of the report is currently under development jointly by the U.S. Forest Service and the Division of Forestry and Wildlife.

The Oahu multi-resource inventory project duplicates the Molokai effort in design. The study involves meticulous observations of wildlife, rare plants, timber volumes, noxious weeds, recreation, tree vigor, use history, and hazards. Results of the data will allow a comprehensive look at forest resources. Current year's work involved the 1800 aerial photo points and selection of 135 ground plots which are required for statistical sampling and analysis.

Meetings were held with federal counterparts to develop similar inventory plans for Kauai, Maui, and Hawaii. Prospects for federal grant-in-aid funding for these targets are encouraging.

CONSTRUCTION AND MAINTENANCE OF ROADS, TRAILS, AND FENCES

Island	Miles of Construction			Miles of Maintenance		
	Roads	Trails	Fences	Roads	Trails	Fences
Hawaii	0	0	1.1	27.7	0.5	2.1
Maui	3.2	5.0	1.1	33.7	13.6	14.3
Molokai	0	0	0.3	87.2	0	6.6
Oahu	0	0.4	0.1	24.4	76.2	0.2
Kauai	0	0	1.0	112.8	32.6	0.3
Lanai	0	0	0	11.0	0	0
Total	3.2	5.4	3.6	296.8	122.9	23.5
(1984 Sum)	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

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

Item	Hawaii	Maui/Molokai	Oahu	Kauai	Total
Total No. of Fires	75	98	32	13	218
(1984 Sum)	35	51	17	8	111
(1985 Sum)	40	47	15	5	107
No. of Fires by Cause:					
Lightning	1	1	1	0	3
Campfire	2	5	1	0	8
Smoking	9	12	2	0	23
Incendiary	15	2	2	0	19
Debris Burning	13	34	0	8	55
Equipment Use	2	2	1	0	5
Children with Matches	3	7	0	0	10
Miscellaneous	30	35	25	5	95
No. of Fires by Size-Class:					
Less than 1 acre	35	61	17	5	118
1 to 9 acres	30	29	13	5	77
10 to 99 acres	9	4	1	3	17
100 to 299 acres	0	1	1	0	2
300 to 999 acres	0	2	0	0	2
More than 1,000 acres	0	1	0	0	1
Total Acres Burned	280	3073	195	109	3656
(1984 Sum)	125	3031	162	68	3386
(1985 Sum)	155	42	33	41	270

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	0	0	25	190
Maui	5.0	12	0	57
Molokai	103.0	0	0	0
Oahu	36.5	3	1	109
Kauai	10.0	34	10	180
Lanai	1.0	0	0	0
TOTAL	155.5	49	36	536
(1984 Sum)	97.3	162	71	499
(1983 Sum)	80.4	109	0	471

GAME MAMMALS HARVESTED FROM PUBLIC HUNTING AREAS

Mammal	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	Total
Pig, Boar	246	289	90	31	0	0	656
Pig, Sow	217	219	100	14	0	0	550
Blacktail Deer, Buck	0	20	0	0	0	0	20
Goat, Billy	38	104	0	9	0	0	151
Goat, Nanny	9	82	0	14	0	0	105
Mouflon Sheep, Ram	119	0	0	0	0	45	164
Mouflon Sheep, Ewe	74	0	0	0	0	0	74
Feral Sheep, Ram	78	0	0	0	0	0	78
Feral Sheep, Ewe	38	0	0	0	0	0	38
Axis Deer, Buck	0	0	0	0	0	518	518
Axis Deer, Doe	0	0	0	0	0	364	364
Total	819	714	190	68	0	927	2,718
(1984 Sum)	532	638	0	120	28	802	2,120
(1983 Sum)	578	899	118	81	9	395	2,080
No. of Hunter- Trips	4,111	6,490	741	140	5	1,518	13,005
Mammals/Hunter Trip	0.20	0.11	0.26	0.49	0.00	0.61	0.21

REFORESTATION PROGRAM IN STATE FOREST RESERVES

Island	Site Prep. (Acres)	Planting (Acres)	Replant. (Acres)	Weeding (Acres)	Fertilizing (Acres)	Pruning (Acres)	Thinning (Acres)
Hawaii	75	82	0	76	215	0	0
Maui	38	41	25	20	0	10	0
Molokai	0	0	0	0	0	0	0
Oahu	0	0	9	18	18	1	0
Kauai	23	13	2	4	12	0	0
Total	136	136	36	118	245	11	0
(1984 Sum)	260	246	45	137	344	1	14
(1983 Sum)	78	59	55	268	126	8	38

SEEDLINGS PRODUCED AND DISTRIBUTED

Common Name	Quantity
Timber, Windbreak, Christmas Tree, and Biomass Seedlings:	
Koa (<u>Acacia koa</u>)	20,310
River-Oak Casuarina (<u>Casuarina cunninghamiana</u>)	46,995
Beach Shortleaf Ironwood (<u>Casuarina equisetifolia</u>)	12,862
Sugi (<u>Cryptomeria japonica</u>)	66
Italian Cypress (<u>Cupressus sempervirens</u>)	225
Mexican Cypress (<u>Cupressus lusitanica</u>)	26,623
Monterey Cypress (<u>Cupressus macrocarpa</u>)	9,186
Lemon-Gum Eucalyptus (<u>Eucalyptus citriodora</u>)	2,257
Mindanao-Gum Eucalyptus (<u>Eucalyptus deglupta</u>)	872
Bluegum Eucalyptus (<u>Eucalyptus globulus</u>)	1,280
Rosegum Eucalyptus (<u>Eucalyptus grandis</u>)	27,127
Tallowwood Eucalyptus (<u>Eucalyptus microcorys</u>)	376
Gray Ironbark Eucalyptus (<u>Eucalyptus paniculata</u>)	1,060
Blackbutt Eucalyptus (<u>Eucalyptus pilularis</u>)	25
Robusta Eucalyptus (<u>Eucalyptus robusta</u>)	2,804
Saligna Eucalyptus (<u>Eucalyptus saligna</u>)	24,295
Red-Ironbark Eucalyptus (<u>Eucalyptus sideroxylon</u>)	269
Queensland-maple (<u>Flindersia brayleyana</u>)	200
Bermuda Juniper (<u>Juniperus bermudiana</u>)	2,473
Paperbark (<u>Melaleuca leucadendron</u>)	11,702
Olive (<u>Olea europaea</u>)	3,214
Loblolly Pine (<u>Pinus taeda</u>)	13,290
Slash Pine (<u>Pinus elliottii</u>)	16,370
Monterey Pine (<u>Pinus radiata</u>)	23,649
Monkey-pod (<u>Pithecellobium saman</u>)	526
Redwood (<u>Sequoia sempervirens</u>)	570
Athel Tamarisk (<u>Tamarisk aphylla</u>)	4,000
Brushbox (<u>Tristania conferta</u>)	2,492
Norfolk-Island-Pine (<u>Araucaria heterophylla</u>)	9,501
All Other Species	203
Community Beautification and Native Species Seedlings	108,108
TOTAL	372,930
(1984 Sum)	319,174
(1983 Sum)	328,075

GAME BIRDS HARVESTED FROM PUBLIC HUNTING AREAS

Bird Species	Hawaii	Kauai	Maui*	Molokai*	Oahu*	Lanai*	Total
Calif. Valley Quail	1,222	0	0	0	0	0	1,222
Gambel's Quail	0	0	0	0	0	0	0
Japanese Quail	242	1	0	0	0	0	243
Ring-Necked Pheasant	153	263	0	0	0	0	416
Nepal Kalij Pheasant	137	0	0	0	0	0	137
Chukar Partridge	751	13	0	0	0	0	764
Grey Francolin	137	2	0	0	0	0	139
Black Francolin	308	25	0	0	0	0	333
Erckel's Francolin	764	375	0	0	29	0	1,168
Wild Turkey	316	0	0	0	0	0	316
Lace-Necked Dove	2	81	0	0	0	0	83
Barred Dove	1	98	0	0	0	0	99
Total	4,033	858	0	0	29	0	4,920
(1984 Sum)	5,333	939	526	1,083	44	565	8,490
(1983 Sum)	8,889	1,140	1,111	206	19	620	11,985
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No. of Hunter-Trips	4,299	2,569	0	0	365	0	7,233
Birds/Hunter-Trip	0.94	0.33	0	0	.08	0	0.68
No. of Hunting Hours	20,544	11,786	0	0	1,769	0	34,099
Hours/Bird	5.09	13.74	0	0	61.00	0	6.93
Hours/Hunter-Trip	4.78	4.59	0	0	4.85	0	4.71

*Season cancelled because of drought conditions

MISCELLANEOUS (NO CHARGE) PERMITS

Type	Quantity
Scientific Collecting Permit	25
Field Trial Permit	7
Permit to Keep Wildlife for Educational Purposes	2
Permit for Entry on Bird Sanctuaries	36
Permit to Keep Birds in Captivity	20
Permit to Take and Destroy Birds or Mammals Causing Damage to Crops or Constituting a Nuisance	76
permit to Harvest Greenery for Personal Use	681
Hiking/Camping Permit	144
TOTAL	991
(1984 Sum)	914
(1983 Sum)	1,516

OUTSIDE MONEY RECEIVED

Source	Amount
Forest Product Sales	\$ 31,894
Hunting License Sales	83,647
Other Minor Miscellaneous Sales, Rental and Charges	43
Vacation Transfer from Other Agency	1,391
Temporary Deposit	15,376
Federal Assistance:	
Cooperative Forestry Assistance Act	201,591
Emergency Watershed Protection (Hurricane Iwa)	107,140
Pittman-Robertson Wildlife Restoration	435,390
Recovery of Indirect Cost	42,567
Late Refund for FY 1983-84's Expenditure	74,250
TOTAL	\$ 993,299
(1984 Sum)	1,244,581
(1983 Sum)	879,388

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

HISTORIC AND ARCHAEOLOGIC PROGRAM

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

Land Acquisition

Kanekaula Heiau State Park Reserve, Maui. Two portions of Kanekaula Heiau, containing an area of 0.710 acre, were set aside for park purposes. These lands were donated to the State in fiscal year (FY) 1983-84 by Laurance S. Rockefeller. The platform-type heiau is situated at Kakalahale, Kipahulu, Hana, Maui.

Ulu Po Heiau State Monument, Oahu. The acquisition through condemnation of the remaining 12.582 acres of the Ulu Po Heiau visual corridor is in progress. The other 6.926 acres of land were acquired recently through the federal Land and Water Conservation Fund Program. This visual corridor is situated on the southern fringe of Kawaiunui Marsh near Castle Medical Center. This project is part of the implementation of the Kawaiunui Marsh Resource Management Plan.

Ongoing Projects. The three ongoing land acquisition projects are the condemnation of the two remaining private lands for the proposed Kealakekua Bay State Historical Park in South Kona, the acquisition of a public roadway easement to Mookini Heiau State Monument and Kamehameha I Birthsite State Monument in North Kohala, and the acquisition of Kukuipahu Heiau in North Kohala.

Planning and Development

Iolani Palace State Monument, Oahu. The design work for Phase XI of the restoration of Iolani Palace complex grounds was completed. This phase calls for improvement and restoration of the grounds to recreate, as closely as possible, the grounds as it was during the Monarchy period.

Kamoa Point State Historical Park, Hawaii. Limited archaeological testing was conducted to assess the cultural resources for park planning. Other planning activities ongoing or initiated included a historical report, a botanical survey, a visual resource assessment and an outdoor recreation resource assessment.

Kealakekua Bay State Historical Park, Hawaii. The preparation of a management plan with the assistance of a citizens advisory committee is proceeding. An archaeological survey with mapping in the Napoopoo Area was

completed. Planning activities included a historical research contract, a botanical survey, and an assessment of the outdoor recreation and visual resources.

Other Projects. The designs for paving the entry roadway at Lapakahi State Historical Park, Hawaii; and archaeological testing at Puu o Mahuka Heiau State Monument, Oahu were completed. The preparation of interpretive and development plans, a historical research contract, and designs of interpretive facilities and landscaping at Halekii-Pihana Heiaus State Monument, Maui; preparation of a general management plan and interpretive signage at Puu o Mahuka Heiau State Monument, Oahu; Phase V of the chapel restoration at Royal Mausoleum State Monument, Oahu; and preparation of a general management plan, design of interpretive facilities, and preparation of interpretive media at Russian Fort Elizabeth State Historical Park, Kauai have been initiated or are ongoing.

Historic Preservation Grants-in-Aid

Federal funds totalling \$98,200 were used for survey and planning of historic properties. Nine projects were funded during this period.

Project	Grant Amount
1. Archaeological Consultants of Hawaii to undertake a reconnaissance survey of 173 acres of State lands at Waianapanapa on Maui.	\$21,700
2. Bishop Museum to continue the coordination and accession of the Bishop Museum Archaeological inventory data bases with the State of Hawaii, Historic Sites Section.	\$20,000
3. Bishop Museum to inventory four adze quarries located on Molokai and Oahu.	\$15,000
4. Waikiki Residents Association to do a windshield survey of Pacific Heights, Pauoa, Punchbowl and St. Louis Heights on Oahu.	\$ 5,000
5. Hawaii Heritage Center to hold a conference on the Conservation of Traditional Culture in the Pacific Basin.	\$10,000
6. Historic Hawaii Foundation to assist in the establishment of a Main Street Task Force to study the feasibility and potential for implementing a Main Street program in Hawaii.	\$ 4,500
7. Hawaii Heritage Center for the production of a calendar depicting the variety of archaeological sites found in the State of Hawaii.	\$10,000
8. Hawaii Heritage Center to undertake a survey of historic plantation camps on Oahu.	\$ 9,000
9. Hart Wood Foundation to continue its preparation of an exhibition on the work of architect Hart Wood.	\$ 3,000

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

Kaena Point State Park, Oahu. The State of Hawaii took possession of federal surplus property known as the Kaena Point Military Reservation for incorporation into its present Kaena Point State Park. The approximately 45 acres of federally owned fee lands were acquired by the State at no cost due to a 100% public benefit allowance for public park and recreation use. The federal surplus land was added to approximately 2,830 acres proposed for inclusion in the Kaena Point State Park. To date, 662 acres of private land have been acquired and extensive areas of State owned land are involved in this coastal park extending from Makua Cave on the Leeward Coast to Kaena Point and from Kaena Point to Dillingham Airfield on the North Shore; Kaena Point itself will remain as a Natural Area Reserve. Park plans call for low density use along the coastline.



An additional 45 acres were added to Kaena Point State Park, Oahu. The federal surplus property known as Kaena Point Military Reservation was acquired at no cost to the State.

Makena State Park, Maui. The State acquired an undivided 86.10% interest in the 8.50-acre coastal parcel at the "Big Beach" area, Makena, through a land exchange with Seibu Hawaii, Inc. This parcel was acquired for the development of a State beach park at Makena. The remaining 13.90% interest in Seibu Hawaii, Inc.'s land will be conveyed to the County of Maui in exchange for a roadway owned by the County. The County of Maui will then convey its 13.90% undivided interest to the State.

Planning and Development

Iao Valley State Monument, Maui. The popular streamside foot trail was constructed into a concrete walkway. It was paved to provide safer footing for park visitors.

Kalopa State Recreation Area, Hawaii. The dirt entry roadway was paved with asphalt concrete. The road was paved for user safety and as a labor-saving feature.

Na Pali Coast State Park, Kauai. Two self-contained composting toilets were installed at the Kalalau Valley camping area; these toilets, once installed, do not have to be relocated like the older pit toilets, thus saving labor and minimizing the disturbance of the subsurface archaeological resources. Archaeological testing was also conducted at eroding sites in Nualolo Kai as part of the cultural resources

management plan; this data and the archaeological site map are being used to develop interpretive and resource management programs for this area.

Sand Island State Recreation Area, Oahu. Additional picnic facilities were constructed at this popular coastal park. The facilities provided under Phase IV included a comfort station with indoor showers, five picnic shelters, drinking fountains and trash receptacles. Under construction is a sewage system to hook up the park system to the neighboring wastewater treatment plant. Federal matching funds under the Land and Water Conservation Fund Program were used for these projects.



Additional facilities were constructed at Sand Island State Recreation Area on Oahu.

Wailoa River State Recreation Area, Hawaii. A new comfort station was constructed to replace an old comfort station and to make it accessible to handicapped persons. The reconstruction of two large pavilions are nearing completion.

Waimea State Recreation Pier, Kauai. The reconstruction of Waimea Pier was completed. The pier was destroyed by Hurricane Iwa in November 1982. Federal assistance was received from the Federal Emergency Management Agency (FEMA) at a 75% federal reimbursement share basis.

Design Projects. Six design projects completed during the year were: The reconstruction of Hanalei Pier on Kauai; the paving of roadways and parking lot at Kokee State Park on Kauai; highway guardrails and shore protection at Launiupoko State Wayside on Maui; the paving of the entry roadway at Kalanai Point Area, Malaekahana State Recreation Area on Oahu; upgrading the sewage system at Wahikuli State Wayside on Maui; and reconstruction of two comfort stations and campground facilities at Waimanalo Bay State Recreation Area on Oahu. Design projects initiated or ongoing with allotted funds included: Footpath, lookout, sewage system, and parking lot improvements at Akaka Falls State Park on Hawaii; a concession facility at Hapuna Beach State Recreation Area on Hawaii; water source improvements at Makua Area, Kaena Point State Park on Oahu; the first increment park improvements at Makena State Park on Maui; a comfort station, picnic shelters and coastline landscaping at Old Kona Airport State Recreation Area on Hawaii; a comfort station and water source development at Fern Grotto Area, Wailua River State Park on Kauai; and, with the U.S. Army Corp of Engineers, shore protection improvements at Sand Island State Recreation Area on Oahu.

Other Projects. An archaeological survey was completed and an assessment of natural, visual and outdoor recreation resources was initiated at Kalapana State Wayside, Hawaii.

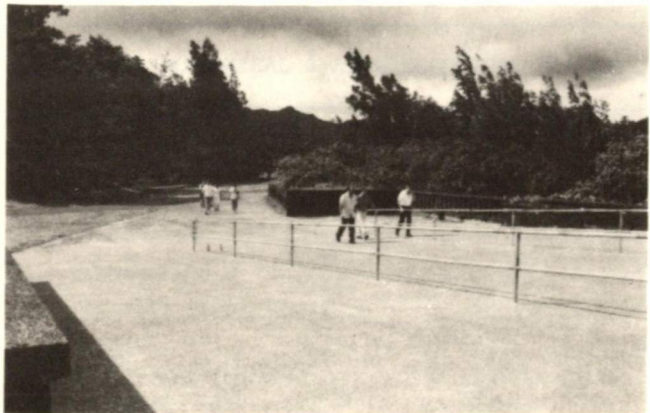
Other planning and development projects initiated or ongoing included the execution of a contract for the preparation of a master plan and an environmental impact statement for Aiea Bay State Recreation Area, Oahu; the construction of a vehicle lookout, landscaping, entry tunnel improvements and the expansion of the parking lot at Diamond Head State Monument on Oahu; the planning for cultural, educational and recreational activities in Kahana Valley State Park, Oahu; the awarding of a contract for the preparation of a development plan and an environmental impact statement for Kakaako Waterfront State Recreation Area on Oahu; and the awarding of a contract for the paving of the roadway to Kokee Lodge and Kokee Museum, and also to pave and expand the parking lot at these facilities at Kokee State Park on Kauai.



Park improvements at Diamond Head State Monument on Oahu included the construction of a roadside scenic lookout with this sweeping view of the Kahala plain backdropped by Koko Head and Crater, and the Koolau mountain range.

Repairs and Maintenance

Six repair and maintenance (R&M) projects were undertaken: The construction of a rampway which replaced the stairway to the scenic viewpoint at Nuuanu Pali State Wayside on Oahu; the roughening of the concrete deck surface for better footing at Iao Valley State Monument on Maui; and the overhauling of the existing sewage pumps and the modification of a sliding board as a safety measure at Sand Island State Recreation Area on Oahu. Construction contracts were awarded for the repair of the roadway at Kokee State Park on Kauai; for the reconstruction of twelve housekeeping cabins including re-roofing six of the cabins at Waianapanana State Park on Maui; and the ordering of a hypochlorinator water meter unit to replace the existing unserviceable unit at Mauna Kea State Recreation Area on Hawaii.



A rampway to the Nuuanu Pali lookout was constructed as a safety measure. It replaced the stairway with uneven steps.

Tree Planting Ceremony

As part of the celebration of Hawaii's 25th statehood anniversary, a tree planting ceremony was held on the State Capitol lawn on August 21, 1984. Endemic loulu palms, *Pritchardia affinis*, were planted in front of the Capitol by Governor George R. Ariyoshi, Senator Daniel K. Inouye, Representative Daniel K. Akaka and Representative Cecil Heftel.

ADMINISTRATION FOR CULTURE AND RECREATION PROGRAM

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

State Recreation Planning

Land and Water Conservation Fund (LWCF). During the fiscal year, the State of Hawaii received federal grants from the LWCF Program amounting to \$2,607,311 for seven new recreation projects. The high recreation needs identified in the Hawaii State Comprehensive Outdoor Recreation Plan were met through the following recreation projects funded in fiscal year 1984-85.

Project	Location	Grant Amount
Sand Island State Park V	Oahu	\$ 193,440
Ala Moana Beach Park		
Lighting	Oahu	\$ 270,400
Kawainui Marsh Park		
Acquisition	Oahu	\$1,545,471
Moanalua Valley		
Neighborhood Park	Oahu	\$ 93,600
Hauula Playground		
Expansion	Oahu	\$ 150,800
Lahaina Recreational		
Center	Maui	\$ 312,000
Hanapepe Tennis Court	Kauai	\$ 41,600

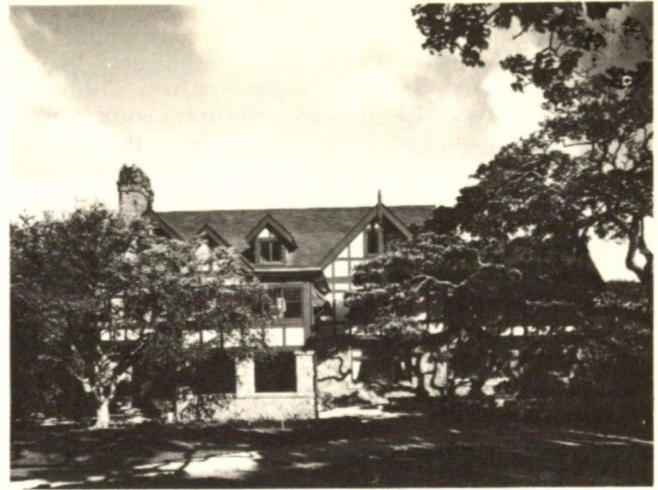
The State Comprehensive Outdoor Recreation Plan (SCORP). A contract was awarded to update the SCORP. It will include an assessment of current conditions, issues, trends and recreation needs and measures to preserve and enhance the quality of recreation in both natural and man-made settings.

Historic Preservation

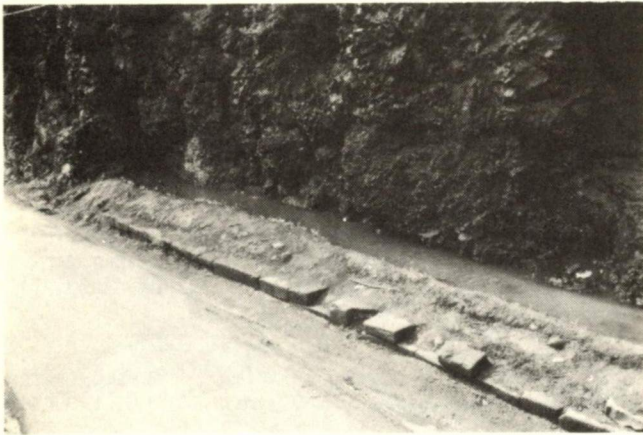
Historic Sites Survey and Registration. Seventeen historic properties were placed on the Hawaii Register of Historic Places: George Oakley Residence, Alfred Hocking Residence, Henriques Residence, C.W. Dickey Residence, Kukuipilau Heiau, F. Hardy Residence, Na Pali Archaeological District, Ha'ena Archaeological Complex, Kikiaola (Menehune Ditch), Charles Gay Residence, Girls' Industrial School, Charles M. Cooke Residence, Clarence Cooke Residence, Waianapanapa Archaeological Complex, Wailuku Heiau Complex, Makawao Union Church, and Haiku Mill. The first ten of the aforementioned properties have also been placed on the National Register of Historic Places.



The George D. Oakley Residence in Manoa Valley, Oahu was placed on the State Register of Historic Places on August 24, 1984 and the National Register of Historic Places on November 15, 1984. The house is a good example of the English cottage style of residential design.



The Charles M. Cooke, Jr. Residence in Manoa Valley, Oahu was placed on the State Register of Historic Places on November 5, 1984. This house is significant for its associations with the Cooke family. It is an outstanding example of the Tudor revival architectural style.



Kikia'ola or Menehune Ditch in Waimea, Kaua'i was placed on the State Register of Historic Places on September 14, 1984 and the National Register of Historic Places on November 16, 1984. This prehistoric irrigation ditch was used to transport water to distant taro fields.

Preservation Reviews. A total of 592 public and private developments were reviewed for their effect on historic properties. Approximately 75% of these developments involved archaeological sites.

National Register Programs Territorial Workshop. A workshop was held in October 1984 to upgrade the professional expertise of Pacific based Historic Preservation Offices. Participating area offices included Hawaii, American Samoa, Guam and the Trust Territories. The Hawaii State Historic Preservation Office provided the facilities and were hosts for the conference.

"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 1984-85

HISTORICAL AND ARCHAEOLOGICAL PLACES

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
<u>HAWAII</u>					
F-13	Kamehameha I Birthsite State Monument	1978	.5	.5	— 9/
H-18	Kamoa Pt. State Historical Park	1980	12.0	—	— 11/
F-14	Kealakekua Bay State Historical Park (Kaawaloa Reserve Area)	1967 (1971)	115.2 (111.3)	.8 (—)	26 12/ (—) 10/
	(Napoopoo Area)	(1967)	(3.9)	(.8)	(26) 12/
F-13	Lapakahi State Historical Park	1973	262.0	53.3	73
F-13	Mookini Heiau State Monument	1979	3.2	3.2	— 9/
<u>MAUI</u>					
F-21	Halekii-Pihana Heiaus State Monument	1962	10.2	3.5	57
H-24	Kanekaula Heiau State Park Reserve	1984	0.7	—	— 11/
<u>OAHU</u>					
F-11	Iolani Palace State Monument	1967	11.0	11.0	71 2/
F-23	Puu o Mahuka Heiau State Monument	1962	4.0	3.5	11
F-15	Royal Mausoleum State Monument (Kapena Falls Reserve Area)	1968 (1976)	10.0 (6.7)	3.0 (—)	74 (—) 10/
	(Royal Mausoleum Area)	(1968)	(3.3)	(3.0)	(74)
F-24	Ulu Po Heiau State Monument	1954	8.3	1.2	6
<u>KAUAI</u>					
F-12	Russian Fort Elizabeth State Historical Park	1972	17.3	10.0	375
<u>Total Parks</u>		12	454.4	90.0	693
<u>OAHU:</u>					
H-21	DAV Keehi Lagoon Memorial	1981	11.1 5/	11.1	— 10/
F-18	State Capitol Grounds	1969	10.0 5/	10.0	— 10/
F-25	Washington Place	1966	3.1 5/	3.1	— 11/
<u>Total Other Areas of State Park Interests</u>		3	24.2	24.2	
<u>TOTAL HISTORICAL & ARCHAEOLOGICAL PLACES</u>		15	478.6	114.2	693

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1984-85

PARKS RECREATION

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
HAWAII					
F-35	Akaka Falls State Park	1952	65.4	6.0	605
F-75	Hapuna Beach State Recreation Area	1967	61.1 4/	20.0	1251
F-65	Kalapana State Wayside	1975	9.4	—	69 12/
F-53	Kalopa State Recreation Area	1967	100.0 3/	16.2	48
F-36	Kealahou Bay State Underwater Park	1971	315.0	—	— 9/
F-66	Kilauea State Recreation Area	1966	7.3 3/	0.5	— 9/
F-34	Lava Tree State Monument	1956	17.0	10.0	95
F-77	MacKenzie State Recreation Area	1955	13.1 3/	6.0	91
F-69	Manuka State Wayside	1952	13.4	8.0	79
F-64	Mauna Kea State Recreation Area	1962	20.0 3/	17.0	163
H-47	Old Kona Airport State Recr. Area	1976	117.8	20.4	722
F-58	Wailoa River State Recr. Area	1954	149.6	115.0	538
	(Wailoa Center)	(1968)	(4.0)	(4.0)	(51)
	(Happiness Garden)	(1978)	(2.3)	(2.3)	(—) 13/
	(Wailoa)	(1954)	(143.3)	(108.7)	(487)
F-33	Wailuku River State Park	1967	16.3 3/	3.5	735
	(Boiling Pots Area)	(1967)	(6.0)	(2.0)	(112)
	(Rainbow Falls Area)	(1967)	(10.3)	(1.5)	(623)
MAUI					
F-32	Iao Valley State Monument	1961	6.2	5.9	847
F-59	Kaunahina State Wayside	1952	7.8 3/	3.5	579
F-81	Launiupoko State Wayside	1965	5.7	5.7	393
F-73	Makena State Park	1971	138.1	—	— 10/
F-87	Papalaua State Wayside	1975	6.7	6.7	90
F-67	Polipoli Spring State Recr. Area	1957	10.0 3/	2.0	11
F-59	Puaa Kaa State Wayside	1954	3.0 3/	3.0	501
F-81	Wahikuli State Wayside	1969	8.3	7.5	520
F-55	Waianapanapa State Park	1966	120.0 4/	18.0	331
F-59	Wailua Valley State Wayside	1952	1.5	.5	495
MOLOKAI					
F-60	Palaau State Park	1955	233.7	10.0	184
OAHU					
F-83	Aiea Bay State Recreation Area	1981	6.0	2.1	— 10/
F-85	Aina Moana State Recreation Area	1970	42.7	42.7	607
F-37	Diamond Head State Monument	1962	475.0 4/	8.0	62
F-38	Hanauma Bay State Underwater Park	1969	101.0	—	— 9/
F-27	Heeia State Park	1977	18.4	8.0	159
F-97	Honolulu Stadium State Recr. Area	1978	9.2	9.2	58
F-72	Kaena Point State Park	1978	853.0 3/	6.5	147 18/
	(Keawaula Area)	(1978)	(426.7)	(5.0)	(147) 18/
	(Makua Area)	(1978)	(51.7)	(1.5)	(—)
	(Windward Area)	(—)	(374.6)	(—)	(—) 10/
F-57	Kahana Valley State Park	1970	5,220.3	20.0	41
F-88	Kaiaka State Recreation Area	1975	52.8	30.0	114
H-73	Kakaako Waterfront State Recr. Area	1978	3.0 3/	2.0	— 10/
F-48	Keiwa Heiau State Recr. Area	1955	384.5	22.0	293
H-70	Malaekahana State Recreation Area	1977	110.0	40.0	129
	(Kahuku Area)	(1983)	(36.3)	(—)	(—) 9/
	(Kalanai Point Area)	(1977)	(73.7)	(40.0)	(129)

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1984-85

PARKS RECREATION

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
F-30	Nuuanu Pali State Wayside	1964	2.5 3/	2.5	1,196
F-51	Puu Ualakaa State Wayside	1957	50.0 3/	12.0	188
H-45	Sacred Falls State Park	1977	1,374.2	10.0	34
F-70	Sand Island State Recreation Area	1970	140.0	83.0	1,761
—	Sans Souci State Recreation Area	1969	1.0	1.0	118
F-61	Waahila Ridge State Recr. Area	1967	49.9	7.0	110
F-50	Wahiawa Freshwater State Recr. Area	1978	66.0 3/	5.0	110
F-71	Waimanalo Bay State Recr. Area	1970	74.8	36.0	128
H-29	Waimano Gulch State Park Reserve	1980	35.9	—	— 11/
KAUAI					
F-09	Ahukini State Recreation Pier	1978	0.8 3/	0.8	63
F-74	Haena State Park	1972	61.7	2.0	438
F-46	Kokee State Park	1952	4,345.0	55.0	853 15/
F-80	Na Pali Coast State Park	1962	6,175.0	4.0	53
F-78	Polihale State Park	1967	137.5 4/	10.0	225
F-52	Wahiawa Mauka State Park Reserve	1968	52.3	—	— 11/
F-54	Wailua River State Park	1954	1,125.9	50.4	3030 16/
	(Fern Grotto Area)	(1954)	(14.6)	(5.0)	(696)
	(Lydgate Area)	(1962)	(45.5)	(20.0)	(686)
	(Kaunualii Area)	(1962)	(4.0)	(4.0)	(118)
	(Marina Area)	(1962)	(15.4)	(15.4)	(744)
	(Poliahu Area)	(1962)	(134.8)	(6.0)	(639)
	(Wailua Beach Area)	(1977)	(2.9)	(—)	(147) 17/
	(Wailua River Reserve Area)	(1956)	(908.7)	(—)	(—) 16/
F-39	Waimea Canyon State Park	1952	1,866.4	10.0	930
F-82	Waimea State Recreation Pier	1974	1.3 3/	.2	11 14/
Total Parks					
		54	24,282.5	764.8	19,205
OAHU					
F-92	Kahala Heights	1979	24.2	0.8	— 10/
H-62	Keehi Lagoon Landfill	1981	10.9 5/	—	— 11/
F-51	Lower Makiki	1979	.8	.8	— 10/
F-51	Makiki Environmental Educ. Center	1981	1.0 5/	1.0	10
KAUAI					
H-80	Hanalei Pier	1979	.5 5/	.5	— 11/
Total Other Areas of State Park Interest					
		5	37.4	3.1	10
TOTAL PARKS RECREATION					
		59	24,319.9	767.9	19,215
GRAND TOTAL					
		74	24,798.5	882.1	19,908

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1984-85

SUMMARY BY ISLANDS

Island	Total No. Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
HAWAII	18	1,298.3	280.4	4,495
MAUI	12	318.2	56.3	3,824
MOLOKAI	1	233.7	10.0	184
OAHU	25	9,103.5	365.7	5,417
KAUAI	10	13,783.2	142.4	5,978
Total Parks	66	24,736.9	854.8	19,898
OAHU	7	61.1	26.8	10
KAUAI	1	.5	.5	—
Total Other Areas of State Park Interest.....	8	61.6	27.3	10
GRAND TOTAL	74	24,798.5	882.1	19,908

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/ Number of visits for Iolani Palace Tours only. Does not include grounds.

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 recreation visit count.

9/ Area is opened to the public - no recreation visit counts available. (These are areas that are listed in the published Guide to Hawaii State Parks.)

10/ Area is used by the public - no recreation visit counts available. (These are areas that are not listed in the published Guide to Hawaii State Parks.)

11/ Area is not open to the public.

12/ First year of recreation visit count. Began count from October 1984.

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

14/ Waimea Pier, destroyed Nov. 23, 1982 by Hurricane Iwa, was reconstructed and reopened March 1985.

15/ Recreation visit counts for Kalalau Lookout Area have been dropped (reported under Kokee State Park in prior fiscal years) due to possible double counting of visits at Kokee State Park and Kalalau Lookout areas where one visitor may have visited both areas and may have been counted twice. This may account for roughly 100,000 less recreation visits at Kokee State Park, Kauai.

16/ Recreation visit counts for Opaekaa Falls Lookout Area have been dropped (reported under Wailua River Reserve Area, Kauai, in prior fiscal years) due to possible double counting of visits at Poliahu area and Opaekaa Falls Lookout Area where one visitor may have visited both areas in the park and may have been counted twice. This may account for roughly 500,000 less recreation visits at the Wailua River State Park, Kauai.

17/ Recreation visit counts for Wailua Beach Area, Kauai, were reported under Wailua River Reserve Area in prior fiscal years.

18/ Includes recreation visit counts for Keawaula and Makua area. No separate counts available.

STATE PARK AND HISTORIC SITE AREAS

Fiscal Years 1952-1985

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
1953....	7	5,500	NA	\$ 12,458	—	\$ 12,458	76,000
1954....	9	5,739	NA	19,469	—	19,469	79,000
1955....	14	5,829	NA	20,109	\$ 7,534	12,575	148,000
1956....	15	5,846	NA	28,914	15,812	13,102	154,000
1957....	16	6,138	NA	25,473	12,041	13,432	164,000
1958....	18	6,166	NA	16,134	2,000	14,134	239,000
1959....	18	6,166	NA	24,695	2,983	21,712	243,000
1960....	18	6,166	NA	49,445	11,896	37,549	267,000
1961....	18	6,166	\$ 9,337	542,905	462,347	80,558	297,000
1962....	21	6,410	4,557	482,150	362,474	119,676	489,000
1963....	23	6,410	11,684	387,918	213,154	174,764	666,000
1964....	22	6,412	20,433	492,666	289,482	202,184	1,196,000
1965....	22	7,514	21,207	860,307	664,801	195,506	1,893,000
1966....	27	7,514	24,428	2,256,056	1,999,232	256,824	2,710,000
1967....	34	7,536	34,650	1,904,582	1,584,395	320,187	3,204,000
1968....	36	7,541	50,905	2,365,088	1,991,749	373,339	4,767,000
1969....	38	8,231	83,038	2,820,857	2,341,486	479,371	6,142,000
1970....	41	15,584	113,552	3,283,580	2,635,823	647,757	9,520,000
1971....	44	15,983	151,198	3,638,211	2,859,905	778,306	13,007,000
1972....	46	16,000	190,165	5,592,396	4,779,141	813,255	9,798,000
1973....	46	16,108	226,541	2,687,296	1,906,652	780,644	13,271,000
1974....	53	16,629	243,039	2,294,804	1,474,636	820,168	12,907,000
1975....	53	18,181	282,182	15,066,142	14,129,563	936,579	12,124,000
1976....	55	18,577	296,656	8,433,095	6,900,347	1,532,748	14,305,000
1977....	58	20,151	326,252	17,728,203	16,104,420	1,623,783	18,864,000
1978....	64	20,295	383,234	9,039,297	7,038,675	2,000,622	15,966,000
1979....	65	20,625	547,895	11,291,090	9,031,384	2,259,706	17,911,000
1980....	66	20,637	544,524	19,224,053	16,645,273	2,578,780	17,169,000
1981....	71	20,836	738,143	19,714,919	15,617,140	4,097,779	15,611,000
1982....	72	20,885	678,049	7,188,343	3,611,400	3,576,943	18,111,000
1983....	74	20,564	668,5973/	8,545,395	4,627,714	3,917,681	17,246,0004/
1984....	74	24,751	775,854	5,416,863	1,791,251	3,625,612	19,406,000
1985....	74	24,799	849,199	6,217,325	2,352,117	3,865,208	19,908,000

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.

STATE PARK AND HISTORIC SITE REVENUES

Fiscal Year 1984-85

Income Source	
<hr/>	
Rentals, recreation residence lots (Kokee and Waimea Canyon State Parks)	\$ 37,866
Rentals, vacation cabins and lodgings, State operated (all parks)	140,159
Lease of concessions (Kokee and Wailua River State Parks, Kauai)	145,871
Mooring fees (Wailua River State Park Marina, Kauai)	15,525
Sale of water (Kokee)	5,474
Admission fees (Iolani Palace)	235,111
Commissions & sales, misc., all islands (firewood, timber, public phones, filming, photography, other) <u>1/</u>	35,939
Sale of publications	0
Transportation services (Wailua River State Park Marina, Kauai)	229,352
Rentals, other recreation areas (Kona Airport and Heeia State Parks)	3,902
<hr/>	
TOTAL	\$849,199

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.

STATE PARK REVENUES AND EXPENDITURES

Fiscal Year 1984-85

Island	Revenues	Total	Expenditures		Operating Cost Per Visit
			Capital Improvements	Operating	
Hawaii	\$ 66,450	\$1,232,588	\$ 553,890	\$ 678,698	15¢
Kahoolawe	—	—	—	—	—
Kauai	438,911	734,467	242,705	491,762	8¢
Maui	80,376	493,906	125,470	368,436	9¢
Molokai	—	25,243	—	25,243	14¢
Oahu <u>1/</u>	263,462	3,115,910	930,571	2,185,339	42¢
	—	211,483f	95,753f	115,730f	—
Statewide <u>2/</u>	—	24,297	24,297	—	—
	—	379,431f	379,431f	—	—
<hr/>					
TOTAL	\$849,199	\$5,626,411	\$1,876,933	\$3,749,478	19¢
	—	590,914f	475,184f	115,730f	—
<hr/>					
Program					
<hr/>					
Historical & Archaeological Places	\$235,411	\$1,749,920	\$ 924,802	\$ 825,118	\$1.19
	—	379,431f	379,431f	—	—
Parks Recreation	613,788	3,468,090	927,834	2,540,256	13¢
	—	95,753f	95,753f	—	—
General Administration for Culture and Recreation	—	408,401	24,297	384,104 <u>1/</u>	—
	—	115,730f	—	115,730f <u>1/</u>	—
<hr/>					
TOTAL	\$849,199	\$5,626,411	\$1,876,933	\$3,749,478	—
	—	590,914f	475,184f	115,730f	—

FOOTNOTES:

f Expenditure from federal grant funds.

1/ Includes Honolulu Administration Office.

2/ Projects of general statewide significance.

CAPITAL IMPROVEMENT EXPENDITURES 1/

Fiscal Year 1984-85

HISTORICAL & ARCHAEOLOGICAL PLACES

Project	Description	Acquisition	Research and Planning	Design	Construction	Total
(in thousands of dollars)						
HAWAII						
H-18	Kamoa Point State Historical Park <u>2/</u>	—	5.4	—	—	5.4
F-14	Kealakekua Bay State Historical Park <u>2/</u> (Napoopoo Area)	400.0 (400.0)	17.6 (17.6)	— (—)	— (—)	417.6 (417.6)
F-13	North Kohala State Park Complex <u>2/</u> (Lapakahi State Historical Park) (North Kohala-General)	(—) (—) (—)	1.4 (.5) (.9)	.2 (.1) (.1)	— (—) (—)	1.6 (.6) (1.0)
MAUI						
F-21	Halekii-Pihana Heiaus State Monument <u>2/</u>	—	.9	1.1	—	2.0
OAHU						
H-20	Hawaiian Railway Society	—	—	—	26.3	26.3
F-11	Iolani Palace State Monument <u>2/</u>	—	—	—	255.6	255.6
F-23	Puu o Mahuka Heiau State Monument <u>2/</u>	—	2.2	1.2	1.0	4.4
F-15	Royal Mausoleum State Monument <u>2/</u> (Royal Mausoleum Area)	— (—)	7.3 (7.3)	— (—)	188.0 (188.0)	195.3 (195.3)
F-24	Ulu Po Heiau State Monument <u>2/</u>	10.2	—	—	—	10.2
KAUAI						
F-12	Russian Fort Elizabeth State Historical Park <u>2/</u>	—	—	2.8	3.5	6.3
STATEWIDE						
F-10	Statewide Historic Preservation Program (Inventory/Survey/ Plan/Grants Program)	—	179.9f	—	199.5f	379.4f
TOTAL HISTORICAL & ARCHAEOLOGICAL PLACES						
		410.2 —	34.8 179.9f	5.3 —	474.4 199.5f	924.7 379.4f

CAPITAL IMPROVEMENT EXPENDITURES 1/

Fiscal Year 1984-85

PARKS RECREATION

Project	Description	Acquisition	Research and Planning	Design	Construction	Total
(in thousands of dollars)						
HAWAII						
H-47	Old Kona Airport State Recreation Area 2/	—	—	2.8	-1.3	1.5
F-58	Wailoa River State Recreation Area 2/	—	1.0	7.7	119.0	127.7
MAUI						
F-59	Hana Road Waysides 2/ (Puua Kaa State Wayside)	(—)	(—)	(—)	3.6 (3.6)	3.6 (3.6)
F-32	Iao Valley State Monument 2/	—	1.2	3.2	93.9	98.3
F-81	Launiupoko State Wayside 2/	—	1.6	—	—	1.6
F-73	Makena State Park 3/	11.1	—	6.7	—	17.8
F-81	Wahikuli State Wayside 2/	—	2.2	—	—	2.2
OAHU						
F-83	Aiea Bay State Recr. Area 2/	2.1	35.0	—	14.9	52.0
F-37	Diamond Head State Monument 2/	—	2.0	3.0	105.6	110.6
F-27	Heeia State Park 2/	—	1.5	—	—	1.5
F-72	Kaena Point State Park 2/	1.6	—	1.8	—	3.4
F-57	Kahana Valley State Park 2/	—	10.0	—	—	10.0
H-73	Kakaako Waterfront State Recreation Area 2/	—	38.8	1.6	—	40.4
H-70	Malaekahana State Recrea. Area 2/ (Kahuku Area)	41.9f (41.9f)	— (—)	— (—)	— (—)	41.9f (41.9f)
H-45	Sacred Falls State Park	—	—	4.3	—	4.3
F-70	Sand Island State Recr. Area 2/	—	.7 8.7f	— 4.0f	204.0 41.2f	204.7 53.9f
F-71	Waimanalo Bay State Recr. Area 2/	—	—	5.1	3.9	9.0
KAUAI						
H-80	Hanalei Pier 2/	—	—	5.6	.7	6.3
F-80	Na Pali Coast State Park 2/	—	5.1	—	41.5	46.6
F-54	Wailua River State Park 2/ (Fern Grotto)	— (—)	2.2 (2.2)	1.9 (1.9)	— (—)	4.1 (4.1)
F-82	Waimea State Recr. Pier 2/	—	2.5	3.8	173.0	179.3
STATEWIDE						
H-09	Statewide Minor Park Improvements	—	—	3.0	—	3.0
	(Kokee State Park 2/	(—)	(—)	(.1)	(—)	(.1)
	(Malaekahana State Recrea. Area 2/	(—)	(—)	(2.9)	(—)	(2.9)
TOTAL PARKS RECREATION		14.8 41.9f	103.8 8.7f	50.5 4.0f	758.8 41.2f	927.9 95.8f

CAPITAL IMPROVEMENT EXPENDITURES 1/

Fiscal Year 1984-85

GENERAL ADMINISTRATION FOR CULTURE AND RECREATION

Project	Description	Acquisition	Research and Planning	Design	Construction	Total
(in thousands of dollars)						
STATEWIDE						
F-05	State Comprehensive Outdoor Recreation Plan	—	24.3	—	—	24.3
TOTAL GENERAL ADMINISTRATION FOR CULTURE AND RECREATION						
		—	24.3	—	—	24.3
TOTAL ALL STATE PARK AND HISTORIC SITE AREA EXPENDITURES						
		425.0 41.9f	162.9 188.6f	55.8 4.0f	1,233.2 240.7f	1,876.9 475.2f

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.

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.

During fiscal year (FY) 1984-85, Manager-Chief Engineer Robert T. Chuck retired and was succeeded by Manabu Tagomori, former Chief of the Water Resources and Flood Control Branch. Other highlights of the FY included the initiation of a project to prepare a complete rainfall atlas; the division of the Pearl Harbor Ground Water Control Area into two subzones, the Koolau and the Waianae subzones; the designation of four geothermal resource subzones; and the completion of two wells at Mililani Mauka.

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; continue implementation of the instream use protection program; identify and propose two areas as geothermal subzones in Puna and Kau, island of Hawaii; monitor geothermal well drilling in Puna, Hawaii; provide engineering services to the Department; and provide irrigation water services at Waimanalo (Oahu), Waimea (Hawaii), and Hoolehua (Molokai).

WATER RESOURCES MANAGEMENT PROGRAM

Activities in water resources management include the 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

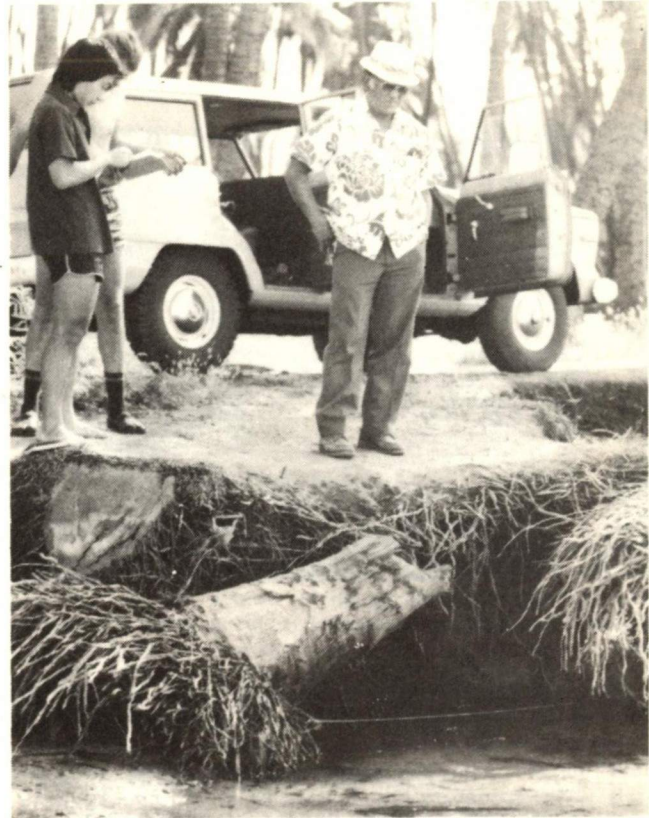
The collection and dissemination of climate-related data—including rainfall, temperature, evaporation, wind, humidity, and solar radiation—continue to be a primary activity. During the year, an updating of the State's rainfall computer datafile to incorporate all observational data to the year 1983 was completed.

Also, initiated during the year was a project to prepare a complete rainfall atlas, consisting of monthly and annual maps in both the median and average statistical format, for all the major islands, based on the latest computerized datafile. The work entailed the review and analysis of the updated information and the subsequent construction of separate isohyetal maps of average and median rainfall, by islands, for monthly and annual periods. A total of 156 maps is being developed. The finished atlas will be published as a part of the Department's regular publication series, to be made available to interested agencies and the using public. The project is scheduled for completion by July 1986.

A study on evaporation initiated during the 1983 fiscal year is continuing and a report is planned for publication in the coming 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 71 measuring stations; low flows were measured periodically on 6 streams; flood discharges were obtained from 67 crest-stage gages; water levels, specific conductance, and chloride concentrations of ground water were measured at about 188 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".



Measuring the flow from a spring.
Kamehameha Coconut Grove, Molokai.

Water Resources Planning

The Division's water resources planning activities focused on the implementation of the Functional Plan on Water Resources Development. 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.

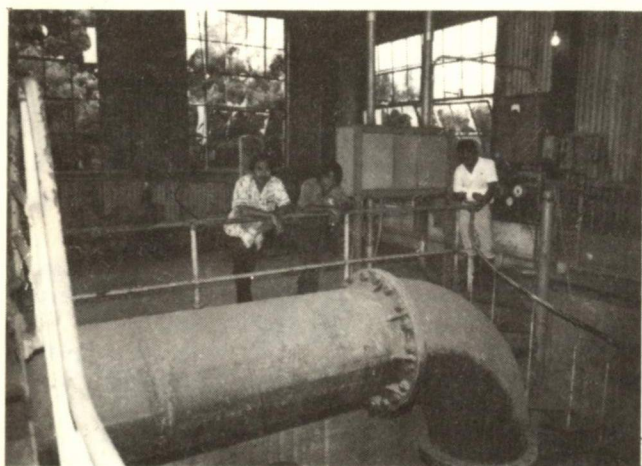
A related activity was the Division's participation in the current comprehensive review and revision process of the Hawaii State Plan. The process was designed to ensure that Hawaii State Plan objectives, policies, and priority guidelines, unchanged since their adoption in 1978, remain responsive to current conditions and to the changing desires

of the public. The Division's input would be used by the State Plan Policy Council to finalize its recommendations for consideration and adoption by the 1986 Legislature.

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.

During the year a proposal was evaluated to divide the Pearl Harbor Ground Water Control Area into its various hydrologic subzones to facilitate regulation. The proposal was accepted by the Board of Land and Natural Resources (Board) and resulted in the formation of the Koolau and Waianae subzones. Also studied were other ground-water basins in the state to assess their need for regulatory designation due to intensifying land development activities.



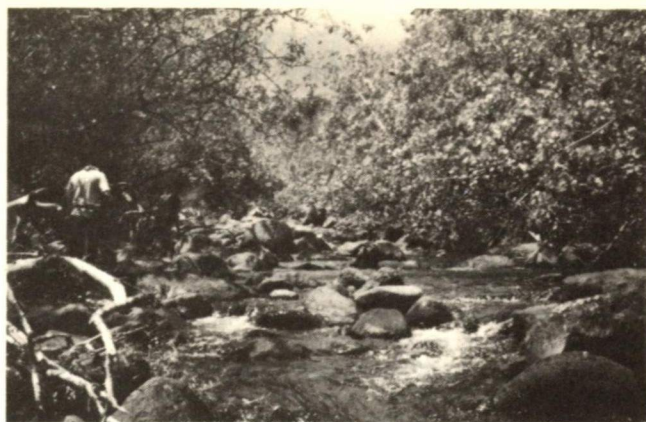
Monitoring groundwater permit.
Oahu Sugar pumphouse.

During the 1985 session of the Legislature, the Division assisted the Department in seeking the enactment of a state water code designed to comprehensively regulate all future development and use of surface and ground waters in the state. The regulatory bill, drafted by the ad hoc Advisory Study Commission on Water Resources, elicited wide interest and debate. Though not enacted, the bill remains on the legislative agenda for consideration in the 1986 session.

Protection of Instream Uses

The Division continued to implement the provisions of the Hawaii Instream Use Protection Act of 1982 as provided for in Administrative Rule 13-167. Tasks included continuing baseline research, compiling a data and bibliographic file, assessment of techniques for estimating instream use requirements of native Hawaiian stream fauna, and development of techniques for estimating streamflow on ungaged streams and at various points along gaged streams.

Division staff continued to process applications for stream channel alteration permits. During the year eight applications were processed, of which six were approved, one remained pending, and one was returned. Proposed uses included routine stream maintenance to prevent localized flooding, bank stabilization to prevent erosion, storm drain improvements (grading and grassing), and two stream diversions. Permits were approved for proposals affecting Malaekahana, Maakua, Hauula, Punaluu, Ahui-manu, Keaahala, and Kahawai Streams.



Instream Use Program staff surveying Windward Oahu's Punaluu Stream for diversions (July, 1985).

A technique for estimating water requirements of native Hawaiian aquatic species, the U.S. Fish and Wildlife Services Instream Flow Incremental Methodology, is under study by consultants John Ford and Bob Kinzie to determine the applicability of the methodology to island streams.

Quantification of streamflow remains a primary concern, and techniques to estimate flows on ungaged streams and stream reaches and at various points along streams are being developed with the assistance of the U.S. Geological Survey staff.

As a followup to the Division's initial Instream Use Study for Windward Oahu, an inventory of stream diversions was begun during the summer of 1985 to identify, map, and quantify existing diversions and use of stream water. Diversion surveys provide essential baseline information for establishing instream flow standards to protect and enhance instream uses.

Administration of Soil and Water Conservation Districts

The Division continues to provide administrative services to the 15 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 district. 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 of 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 continued to focus on the designation of geothermal resource subzones (GRS) in areas of the state having geothermal potential and on conserving the state's supply of mineral resources.

Designation of Geothermal Resource Subzones

Pursuant to Section 205-5.2, **Hawaii Revised Statutes**, relating to the designation of geothermal resource subzones, the Board conducted a statewide county-by-county assessment.

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 a high probability of geothermal resource with the potential for producing electrical energy.

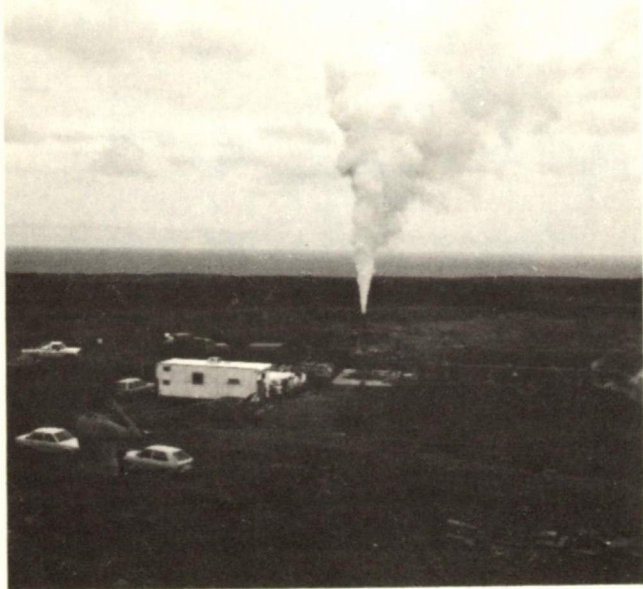
In September of 1984, the Board conducted public hearings on four proposed geothermal resource subzones located on the islands of Maui and Hawaii. After reviewing submitted testimonies, the Board designated the Kapoho and Kamaile sections of the Kilauea Lower East Rift, island of Hawaii, and the Haleakala Southwest Rift, island of Maui, as geothermal resource subzones. During the public hearings, a contested case hearing on the proposed Kilauea Upper East Rift GRS was requested, and this resulted in the Board's issuance of a Decision and Order. The Decision and Order outlined specific conditions for a proposed land exchange between the State of Hawaii and the Estate of James Campbell. Appraisal activities have been initiated to determine land valuation as a part of the feasibility study on the proposed land exchange.

During FY 1984-85, the Department undertook a resource assessment and impact study of the Kilauea Middle East Rift in and adjacent to the Wao Kele 'O Puna Natural Area Reserve and the Kilauea Southwest Rift, and has proposed these areas for possible designation as geothermal resource subzones.

Based on these assessments and the criteria set forth in Section 205-5.2, **Hawaii Revised Statutes**, public hearings will be scheduled for these proposed geothermal resource subzone designations. The designation of subzones is expected to be completed in FY 1986.

Regulation of Geothermal Well Drilling

The Department continues to administer State laws and rules concerning exploration for geothermal resources. During the year a well drilling permit was issued by the Board to Thermal Power Co. for an exploratory well, Kapoho State No. 1-A. Drilling permits issued in previous years for other wells—Lanipuna No. 1, Lanipuna No. 6, Kapoho State No. 1, and Kapoho State No. 2—have since expired.



Geothermal well flow test.

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

Inventory of Mineral Production

As in past years, the Division canvassed mineral producers in the state and maintained an up-to-date file on mineral production data and mining activities. Field inspections were made of various rock and cinder quarries. Requests for information, technical data, and rock samples were handled on a routine basis.

FLOOD PREVENTION AND CONTROL PROGRAM

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

Flood Plain Management

The Division continued flood plain management activities under grants from the Federal Emergency Management Agency.

The Division is currently carrying 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 1985 session of the Legislature to carry on the federally initiated programs and hearings were held by the Legislature, but the bill was not enacted.

Coordination of Stream Maintenance

A bill to amend the Hawaii Revised Statutes was introduced in the 1985 legislative session relating to the maintenance of drainageways to clarify and unify the four counties' responsibilities. Hearings were held by the Legislature, but the bill was not enacted.

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 as follows:

1. The installation of a 300-gpm deepwell pumping unit and controls; construction of a chlorinator building; and sitework in Laupahoe, Hawaii.
2. The drilling of an 12-inch well, 1,150 feet deep, in Paauilo, Hawaii.
3. The drilling of an 8-inch well, 1,600 feet deep, in Waipio, Oahu.
4. The drilling of a 16-inch well, 340 feet deep, in Waiialua, Oahu.

5. The drilling of a 10-inch well, 450 feet deep, in Hana, Maui.

6. The drilling of a 14-inch well, 1,100 feet deep, in Kalaheo, Kauai.

7. The drilling of three 18-inch wells, each approximately 1,170 feet deep, in Mililani, Oahu.



Sampling water from a new well.
Mililani-Mauka Well C. May 1985.

ENGINEERING SERVICES PROGRAM

Under the Engineering Services Program, the Division of Water and Land Development administers various water and land projects such as the 1.0 million gallons per day (mgd) demonstration desalting plant, exploration for high-level ground water, and agricultural parks and facilities.

Proposed Demonstration Desalting Plant

Increased water demand and Oahu's limited water supply are creating concern among water managers and purveyors who believe that all available surface and groundwater supplies will be fully committed by the year 2000. Water demands beyond the year 2000 are expected to be met by alternative water sources such as desalting, recycling, blending, coastal reservoirs, and other means of extending our water resources.

The State has initiated plans to construct the first 1.0 mgd demonstration desalting plant in Hawaii. The desalting project will demonstrate the application of desalting technology in Hawaii and will show the public that desalted water is a feasible alternative drinking water source. When it is completed, plan calls for conducting tours through the desalting plant to afford the public a first-hand observation of the technology of converting brackish water into potable water.

High-Level Exploratory Drilling

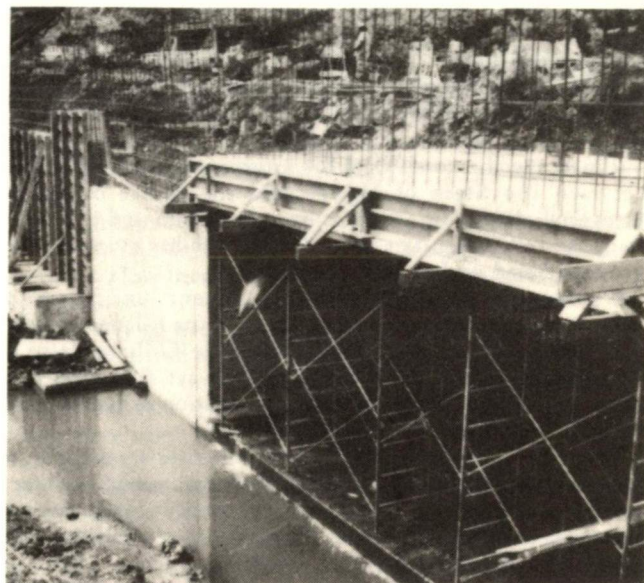
Recurring shortage of domestic and irrigation water on the island of Hawaii prompted the Department to conduct a study to select drilling sites for the exploration of perched and dike-confined groundwater sources on Kohala Mountain. Water from these wells will be used to supplement the existing surface water sources during dry periods when consumption increases and surface supply are low.

Agricultural Parks

Waianae Agricultural Park. Construction of roadways, drainage structures, waterlines and electrical systems for the Waianae Agricultural Park is scheduled to commence in January, 1986. Additionally, off-site improvements to develop the Waianae well which will provide irrigation water to the Waianae Agricultural Park and other farm lots

in Waianae Valley are scheduled to be constructed concurrently with the agricultural park. The project will develop 150 acres of State-owned land into 17 lots, ranging in size from 5.3 to 13.2 acres.

Waimanalo Agricultural Park. With the completion of a new bridge and access road, the Waimanalo Agricultural Park, Phase I, will be ready for occupancy. Fourteen lots ranging in size from 5.6 acres to 10.7 acres will be used for nursery and diversified agricultural use.



New culvert.
Waimanalo Agricultural Park.



Bridge to be replaced.
Waimanalo Agricultural Park.

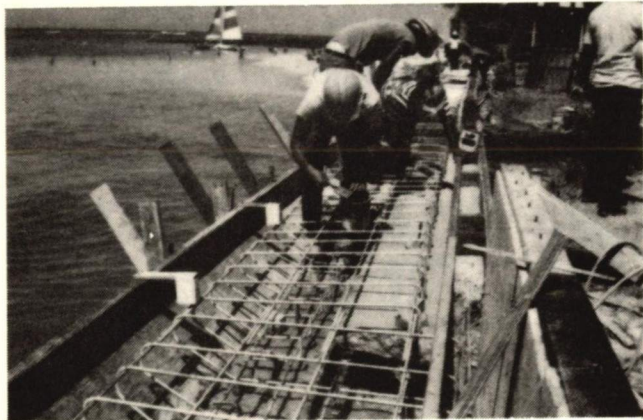
Waiahole Agricultural Park. Plans and specifications for the drilling of two exploratory wells in Waiahole Valley are being finalized and will be ready to be advertised for construction bids shortly. The wells will be the principal source of domestic and irrigation water for the Waiahole Agricultural Park. Construction plans and specifications for road improvements, irrigation and domestic water system, and drainage facilities for the agricultural park are being prepared.

Kahuku Agricultural Park. The State has leased Campbell Estate land in Kahuku which will be developed into 24 agricultural lots ranging in size from 5 to 10 acres. The project is scheduled to be advertised for construction bids in December 1985. Upon completion of the project, the main-

tenance of the roadway and drainage facilities will be the responsibility of the Tenants Association and the operation and maintenance of the irrigation system will be undertaken by the Division of Water and Land Development.

Land Development

Kona Marshalling Yard. Acquisition of the proposed Kona marshalling yard site has been consummated. The grading plan and design of improvements are being prepared and will be ready to be advertised for construction bids in late 1985. 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.



Repairing Halekulani seawall, a public right of way reserved in 1930.

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

The Waimanalo Irrigation System served 114 small farm units as compared to 110 last year, an increase of four lots. Also served was the University of Hawaii Agricultural Research Farm which has 127 acres. The total area served is 974 acres. Because of a shortage of irrigation water due to a drought, water consumption totaled 72,115,207 gallons for the year compared to 135,574,649 for the previous year showing a decrease of 63,459,442 gallons. The annual rainfall totaled 48.02 inches compared to 46.74 inches recorded the year before. The weather conditions were generally dry throughout the year.

During the months of June to November a revised water schedule was implemented due to drought conditions and water was served on Mondays and Fridays. The system resumed regular scheduling during the month of December. It is anticipated that the revised schedule may be implemented again during the summer months due to low flow from Maunawili water source.

The antiquated ditch and flume system in Maunawili Valley which provides all irrigation water to the system requires immediate consideration for major improvements. Occasional major repairs on flumes were done this year due to deterioration and fallen trees on the flumes. Minimum repairs and maintenance activities are on a continuing basis.

Continued agricultural ventures in Waimanalo are orchard crops, bananas and guavas, truck crops—corn, cucumber, eggplant, squash, lettuce, snap and soy beans,

green onions, ginger root, bittermelon, luau leaf and taro root. Also there are plant nurseries; flower farms; milk dairies; and egg, poultry and wine productions that round out the diversified agricultural program in Waimanalo. Crop production was generally good, reflecting satisfactory growing conditions as well as improved irrigation practices.

Waimea Irrigation System

The Waimea Irrigation System served farm lots in the Lalamilo, Puukapu, and Hawaiian Homes sections. These sections covered a total of 1,232 arable acres of which 478 acres were in cultivation for truck crop and flower production and used a total of 421.4 million gallons of water.

The Lalamilo section consisted of 32 farm lots with 278 acres under cultivation and consumed 297.7 million gallons of water during the year. Of the 32 farms, 6 farms were in flower production (roses, carnations and cut flowers) and 26 farms were in leaf vegetable crops production. As it is located in the drier area of Kamuela and with ample irrigation water, the Lalamilo farmers were producing a major portion of the leaf vegetables. This year the Lalamilo section had a total rainfall of 13.13 inches as compared to Puukapu and Hawaiian Homes section of 25.66 inches.

The Puukapu section had 15 farm lots with 99 acres under cultivation and used 69.8 million gallons of water. With deep soil conditions, this area produced all the root crops like burdock (gobo) and turnip (daikon) and some leaf vegetable crops.

The Hawaiian Homes section, adjacent to Puukapu, had 23 farm lots which cultivated 101 acres and used 53.8 million gallons of water. Crop production was similar with the Puukapu farms.

The Kohala Mountain watershed area (Alakahi intake and Upper Hamakua ditch) average rainfall from July to October was only 4.40 inches per month. This was 5.00 inches below the normal amount. This dry weather condition resulted in a very severe drought crisis. Irrigation water was on restriction status from July 27, 1985 until November 5, 1985 when water was depleted. The drought affected crop production beginning in September until it reached a low point in December. On January 22, 1985 a conservation notice was issued followed by irrigation restriction on February 22, 1985 and on March 1st the restriction was lifted. Again on June 18, 1985 a conservation notice was issued and continues to be in effect.

Molokai Irrigation System

The Molokai Irrigation System serviced a total of 3,960 cultivated acres, with pineapple being the principle irrigated crop. Pineapple acreage decreased by 427 acres due to expiration of lease.

The past fiscal year was relatively dry with a total of 13.31 inches of rainfall. The system increased 480 acres in diversified crops and horticulture production.

The major crops were green beans, onions (both green and bulb), bell peppers, sweet potatoes, sweet corn, cucumbers, eggplant, tomatoes, papaya, pumpkin, squash, banana and a large increase in watermelon acreage. Alfalfa and dry grass hay production has stabilized in the past years. The seed corn operations showed a slight increase in planted acreage.

Minor construction work was done on the Kualapuu reservoir. It included clearing of Haole koa, Christmas berry, Australian koa, and other shrubbery on the outside of the reservoir berm. In addition, a pressed-steel metal cage screen was installed over the reservoir outlet mainly to control the fish and snail problem in the 16" Wye-strainers.

Efforts were continued to have Maui County obtain their own source of water instead of drawing water from the Molokai Irrigation System.

IRRIGATION WATER SALES

WAIMANALO IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<u>1984</u>					
July	9,676,935	974.032	\$ 2,435.21	\$ 774.15	\$ 3,209.36
August	8,490,807	974.032	2,435.21	679.25	3,114.46
September	5,901,614	974.032	2,435.21	472.13	2,907.34
October	6,341,385	974.032	2,435.21	507.33	2,942.54
November	3,012,065	974.032	2,435.21	240.96	2,676.17
December	2,381,105	974.032	2,435.21	190.50	2,625.71
<u>1985</u>					
January	1,900,993	974.032	2,435.21	152.08	2,587.29
February	1,218,832	974.032	2,435.21	97.52	2,532.73
March	5,290,363	974.032	2,435.21	423.25	2,858.46
April	9,829,452	974.032	2,435.21	786.35	3,221.56
May	8,565,987	974.032	2,435.21	685.28	3,120.49
June	9,505,669	974.032	2,435.21	760.45	3,195.66
Total	72,115,207		\$29,222.52	\$5,769.25	\$34,991.77

MOLOKAI IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<u>1984</u>					
July	125,192,000	3,915	\$ 7,310.75	\$10,015.36	\$ 17,326.11
August	121,762,000	3,959	8,348.15	9,740.96	18,089.11
September	117,637,000	3,985	7,376.75	9,410.96	16,787.71
October	131,077,000	3,986	7,378.95	10,486.16	17,865.11
November	131,283,000	4,142	7,549.45	10,502.64	18,052.09
December	79,984,000	4,144	7,551.65	6,398.72	13,950.37
<u>1985</u>					
January	44,741,000	4,200	7,613.25	3,579.28	11,192.53
February	26,870,000	4,200	7,613.25	2,149.60	9,762.85
March	52,002,000	3,812	7,293.20	4,160.16	11,453.36
April	83,892,000	3,817	7,298.70	6,711.36	14,010.06
May	140,149,000	3,873	7,361.40	11,212.02	18,573.42
June	130,679,000	3,960	7,456.00	10,454.32	17,910.32
Total	1,185,268,000		\$90,151.50	\$94,821.54	\$184,973.04

WAIMEA IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<u>LALAMILO SECTION</u>					
1984					
July	31,019,936	278	\$ 625.50	\$ 1,983.92	\$ 2,609.42
August	32,024,155	278	625.50	2,037.66	2,663.16
September	29,991,755	278	625.50	1,929.88	2,555.38
October	10,916,400	278	625.50	771.07	1,396.57
November	13,201,900	278	625.50	923.40	1,548.90
December	23,140,700	278	625.50	1,536.49	2,161.99
1985					
January	19,751,800	278	625.50	1,334.95	1,960.45
February	12,800,500	278	625.50	907.69	1,533.19
March	15,185,800	278	625.50	1,048.86	1,674.36
April	28,449,000	278	625.50	1,830.94	2,456.44
May	41,673,400	278	625.50	2,536.47	3,161.97
June	39,573,900	278	625.50	2,460.50	3,086.00
Subtotal	297,729,246		\$ 7,506.00	\$19,301.83	\$26,807.83
<u>PUUKAPU SECTION</u>					
1984					
July	9,141,490	99	\$ 222.75	\$ 605.63	\$ 828.38
August	10,250,280	99	222.75	674.23	896.98
September	10,839,030	99	222.75	712.58	935.33
October	3,949,500	99	222.75	283.48	506.23
November	3,578,700	99	222.75	257.36	480.11
December	5,913,600	99	222.75	411.18	633.93
1985					
January	3,668,800	99	222.75	262.16	484.91
February	3,197,400	99	222.75	230.82	453.57
March	1,981,900	99	222.75	141.61	364.36
April	2,808,100	99	222.75	198.19	420.94
May	5,128,100	99	222.75	354.35	577.10
June	9,329,900	99	222.75	625.23	847.98
Subtotal	69,786,800		\$ 2,673.00	\$ 4,756.82	\$ 7,429.82
<u>HAWAIIAN HOMES SECTION</u>					
1984					
July	6,746,315	101	\$ 227.25	\$ 451.99	\$ 679.24
August	7,813,055	99	227.25	505.44	732.69
September	6,755,970	99	222.75	460.12	682.87
October	2,651,790	99	222.75	192.11	414.86
November	3,207,100	99	222.75	227.44	450.19
December	4,893,335	99	222.75	338.95	561.70
1985					
January	3,937,300	99	222.75	276.91	499.66
February	3,492,000	99	222.75	246.88	469.63
March	2,051,500	99	222.75	150.56	373.31
April	3,495,300	99	222.75	248.80	471.55
May	4,836,900	99	222.75	333.47	556.22
June	6,966,400	101	227.25	465.41	692.66
Subtotal	56,846,965		\$ 2,686.50	\$ 3,898.08	\$ 6,584.58
Total	424,363,011		\$12,865.50	\$27,956.73	\$40,822.23

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.	\$ 925,045.00	11/23/83	11/30/85*	Jas. W. Glover, Ltd.
2-HW-21	Renovation of Upper Hamakua Ditch & Construction of Access Road, Waimea Irrigation System, South Kohala, Hawaii	184,050.00	11/19/84	9/01/85*	Isemoto Contracting Co., Ltd.
3-9W-47	Improvements to Kualapuu Reservoir, Molokai Irrigation Project Molokai, Hawaii	49,749.00	4/30/84	9/21/84	Friendly Isle Contracting & Equip., Inc.
3-9W-48	Improvements to Kualapuu Reservoir, Phase III, Molokai Irrigation Project, Molokai, Hawaii	223,945.00	10/1/84	7/31/85*	Molokai Construction, Inc.
4-OW-26	Drilling Waipio-Mauka Monitor Well (2659-02), Waipio, Oahu, Hi.	470,980.90	1/07/85	10/03/85*	Water Resources Int'l. Inc.
4-OW-27	Waimanalo Watershed Project, Solid Waste Collection Site, Waimanalo, Oahu, Hawaii	146,090.05	6/27/84	7/31/85*	Delta Construction Corp.
4-OW-28	Drilling Mokuleia Exploratory Well (3307-19), Kamananui, Waialua, Oahu, Hawaii	222,090.00	10/1/84	1/31/85	Roscoe Moss Company
4-OW-29	Drilling Mililani-Mauka Exploratory Wells, Oahu, Hawaii	2,218,160.00	4/23/84	8/09/85*	Water Resources Int'l. Inc.
8-HW-50	Drilling Holualoa Well (3657-01) Holualoa, North Kona, Hawaii	\$597,939.00	9/20/82	8/24/84	Water Resources Int'l. Inc.
22-HW-33	Pump, Controls & Appurtenances, Laupahoehoe Well No. 2, (5814-02), Laupahoehoe Water System, North Hilo, Hawaii	337,966.00	7/16/84	8/31/85*	Haitsuka Brothers, Ltd.
22-HW-34	Drilling Paaui Exploratory Well (6223-01), Paaui, Hi.	647,720.00	10/29/84	7/25/85*	Water Resources Int'l. Inc.
35-MW-38	Improvements at Monitor Well Waiehu, Maui, Hawaii	21,985.00	10/15/84	8/31/85*	Arisumi Brothers, Inc.
35-MW-39	Drilling Hamoa (Hana) Exploratory Well (4300-02), Hana, Maui, Hawaii	295,000.00	3/18/85	1/11/86*	Roscoe Moss Company
51-KW-25	Pump & Tank, Anahola Farmlot Subdivison, Anahola, Kawaihau, Kauai, Hawaii	611,960.00	11/01/82	8/30/84	Briant Construction
51-KW-27	Drilling Kalaheo Well No. 2 (5631-02), Kalaheo, Kauai, Hi.	563,360.00	6/27/84	4/20/85	Roscoe Moss Company

* Estimated Contract Completion Date

Job No.	Description	Cost of Project	Starting Date	Completion Date	Contractor
<u>STATE PARKS PROJECTS</u>					
5-OP-35	Demolition & Clearing, Rainbow (Aiea) Bay State Park, Aiea, Oahu, Hawaii	\$ 87,547.30	11/1/82	4/30/85	Royal Contrg. Co., Ltd.
5-OP-45	Reconstruction of Park Pavilion Malaekahana State Recreation Area, Laie-Kahuku, Oahu, Hawaii	96,060.00	1/16/84	8/30/84	Robert McMullan & Son, Inc.
5-OP-46	Park Improvements, Diamond Head State Monument, Honolulu, Oahu, Hawaii	133,068.00	12/17/84	9/29/85*	James L. K. Tom, Inc.
5-OP-50	Concrete Ramp, Nuuanu Pali State Wayside, Nuuanu, Oahu, Hawaii	20,572.00	5/20/85	7/18/85*	Ideal Construction, Inc.
23-HP-25	Entry Roadway, Kalopa State Recreation Area, Hamakua, Hawaii	23,625.10	1/07/85	6/24/85	James U. Ishii Gen. Contr.
39-HP-11X	Repair Vacation Cabin, Mauna Kea State Park, Pohakuloa, Hawaii	11,985.00	7/23/84	9/30/84	Arthur P. Hoefer
46-OP-21	Comfort Station, Phase III, Inc. 2A, Sand Island State Park, Honolulu, Oahu, Hawaii	281,337.93	2/13/84	4/20/85*	Prime Construction, Inc.
46-OP-22	Sewage System Improvements, Sand Island State Park, Honolulu, Oahu, Hawaii	342,352.44	12/17/84	8/20/85*	Royal Contracting Co., Ltd.
49-MP-9	Park Improvements, Iao Valley State Park, Wailuku, Maui, Hi.	92,850.00	10/15/84	3/12/85	Arisumi Brothers, Inc.
54-KP-13	Reconstruction of Waimea Pier, Waimea, Kauai, Hawaii	\$ 166,307.25	7/16/84	1/31/85	Healy, Tibbitts Const. Co.
54-KP-14	Furnishing Prefabricated Sanitary Facility, Na Pali Coast State Park, Haena, Kauai, Hi.	40,734.00	10/29/84	1/31/85	Arthur W. McCarter
57-HP-18	Reconstruction of Park Facilities, Wailoa River State Recreation Area, Hilo, Hawaii	136,291.00	11/13/84	8/31/85*	Hilo Construction, Inc.
<u>LAND PROJECTS</u>					
1-OL-31	Waikiki Seawall Walkway Rehabilitation, Phase III, Honolulu, Oahu, Hawaii	\$ 50,741.70	2/11/85	6/13/85	Iwamoto Construction, Inc.
41-OL-31	Waimanalo Agricultural Park, Phase I, Waimanalo, Koolau-poko, Oahu, Hawaii	1,597,697.40	1/26/83	11/26/85*	Royal Contrg. Co., Ltd.
41-OL-33	Clearing Inoaole & Kahawai Streams, Waimanalo, Oahu, Hi.	84,900.00	7/30/84	10/09/84	Ideal Construction, Inc.

* Estimated Contract Completion Date
X Informal Bid

DIVISION OF LAND MANAGEMENT

The Division of Land Management, is charged with 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.

The Land Management Division handles the processing of acquisition of private lands required for public purposes. 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.

Defining State Boundaries

The Legislature at its 1985 session, appropriated \$100,000 for the purpose of defining the boundaries of the State of Hawaii. At the present time, the Federal government differs with the State government on the boundaries as defined under Article XV, Section 1 of the Constitution of the State of Hawaii. Land Management Division will work with the Attorney General's Office in conducting the necessary legal and historical research to define the most appropriate State boundaries.

Land Transaction Activities

Leases/Permits. Disposition of long-term leases and month-to-month permits is a major activity of the land management program to meet the needs of the various beneficiary groups for such diverse purposes as housing, agriculture, business, leases, educational and eleemosynary purposes. Of thirty-five (35) leases issued during fiscal year 84-85, twenty-seven (27) were for general agricultural purposes, fourteen (14) of which constitute the Waimanalo Agricultural Park, Phase I. During this same period, fifty-six (56) revocable permits were issued and thirty (30) parcels were sold in fee, including remnants, filled land and abandoned rights-of-way.

Executive Orders. For fiscal year 1984-85, twenty-two (22) executive orders were issued which set-aside lands for various government purposes.

Acquisition of Lands and Easements. The activity also includes the acquisition of Federal surplus lands which are then made available to the various government agencies.

During fiscal year 1984-85, the following acquisitions were made:

Federal lands at Kekaha, Kauai (5.195 acres), portions of Fort Ruger Military Reservation (16.171 acres), Lualualei Forest Reserve (696.00 acres), portion of the U.S. Coast Guard Base at Sand Island, Oahu (5.750 acres), the Wai-anae-Kai Military Reservation (4.020 acres), at the Waiawa Military Reservation land (180.490 acres) and easement (17.460 acres). All were acquired with a nominal consideration of \$1.00 for each parcel acquired.

Two (2) other acquisitions from the Federal government were completed with no cost to the State. These lands, totalling 84.730 acres, were added to the Kaena Point State Park.

Bishop Estate lands totalling 12.185 acres were acquired for \$24,000 for addition to the Hawaii Belt Road.

For the Lahaina Intermediate School, .039 acres of land was acquired from Amfac Development Corporation at no cost.

The addition of .120 acre of land to the Kalaheo Well Water System on Kauai was acquired for \$300.00.

The University of Hawaii at Manoa benefitted from an acquisition of 1.445 acres of land at a cost of \$40,000.

An exchange with the Dept. of the Navy resulted in an acquisition of .423 acres of land for an addition to the Pearl Harbor Kai Elementary School.

An acquisition of .050 acres was completed for an addition to Lagoon Drive at Honolulu Airport for the nominal cost of \$1.00.

The Department of Transportation will have an addition to the airport complex with the acquisition of the Hickam Administration Annex. This parcel, consisting of 3.408 acres of land was acquired at no cost to the State.

The North Kona Marshalling Yard, an acquisition for the Department of Agriculture, has been completed. This 1.910 acre parcel will provide a much needed storage and processing area for the farmers of the area. The acquisition cost was \$112,000.

A 10.630 acre parcel for the estuarine sanctuary at Waimanu was acquired for \$70,630.

For fiscal year 1984-85, the Land Management Division processed one hundred forty-three (143) dispositions and acquired sixteen (16) parcels of land or interest in land.

Land Maintenance and Inspection

The maintenance of unencumbered public lands such as stream cleaning, tree trimming and lot clearing, etc. is an ongoing activity of the Division. This activity was hampered by a lack of sufficient funds. However, the 1985 Legislature approved the Land Management Division's budget request to double the land maintenance fund to \$200,000.

The annual inspection of encumbered lands continues to bring out violations of lease or permit agreements and also violations of building and health codes.

Public Land Revenue

The land management program generated \$9,921,046.00 in revenues for fiscal year 1984-85. As mandated by the State Constitution, \$1,349,621.00 of this sum was transferred to the Office of Hawaiian Affairs, and \$821,261.00 was transferred to the Department of Hawaiian Homes Land (DHHL). The Division also manages lands that are fully owned by the DHHL and all proceeds from this source are transferred to the DHHL. For fiscal year 1984-85, this sum amounted to \$217,781.00. The Division transferred \$6,407,016.00 to the State's General Fund.



Anthuriums in shadehouse
Panaewa Farm Lots, Waiakea, South Hilo, Hawaii



Macadamia nut groves
Panaewa Ag Park, Waiakea, South Hilo, Hawaii



Assorted foliage plants for export
Panaewa Farm Lots, Waiakea, South Hilo, Hawaii



Banana fields with blue plastic covering banana bunch until
ready for market
Panaewa Ag Park, Waiakea, South Hilo, Hawaii



Avocado tree
Panaewa Ag Park, Waiakea, South Hilo, Hawaii



Macadamia nut orchard interplanted with papaya
Panaewa Ag Park, Waiakea, South Hilo, Hawaii

PUBLIC TRUST LAND PROCEEDS

Receipts <u>1/</u>	Actual 1984-85	Estimated 1985-86
Rentals, Leased Public Lands	\$4,834,276	\$5,500,000
Rentals, Unleased Public Lands	1,055,227	870,000
Sale of Wood, Rock and Sand	76,380	75,000
License, Use of Government Water	371,839	400,000
License, Use of Government Land for Specific Purposes	186,458	190,000
Sale of Real Property (Includes \$41,349 Interest)	225,672	250,000
Total Receipts	\$6,749,852	\$7,285,000

Expenditures	Actual 1984-85	Estimated 1985-86
Revenue to Office of Hawaiian Affairs	\$1,349,621	\$1,570,000
Revenue to Dept. of Hawaiian Homes*	821,261	900,000
Land and Transfers	-0-	-0-
Transfers to General Fund	4,578,968	4,815,000
Total Transfers	\$6,749,852	\$7,285,000

1/ All Chapter 171, HRS

* Does not include \$217,781 DHHL Income (100%) from lands owned by DHHL but managed by DLNR.

GENERAL FUND REVENUES

AND FEE SCHEDULE

Title of Receipt (Legal Reference)	Fee Schedule	Actual 1984-85	Estimated 1985-86
Liquidated Contract Damages		360	-0-
Conveyance Tax (Act 5/68)	.05 per 100	921	500
Forfeiture of Failure to Return Plans and Specifications	25.00 per plan & spec	-0-	-0-
Fees, Copies of Public Documents	.50 per page	1,687	1,000
Fees, Issuance of Land Patents, etc.	30.00 each	3,633	2,500
Fees, Consent to Transfers, etc.	30.00 each	2,322	1,500
Fees, Surveying Public Lands	25.00 each	1,925	2,000
Fees, Appraisal	Cost to Department but not less than 25.00 each	-0-	-0-
Sale of Publications		-0-	-0-
Sale of Improvements on Expired or Cancelled Leases		-0-	-0-
Cost of Managing Property for other Departments		6,930	10,000
Indemnity for Damages to Insured Property		-0-	-0-
Sale of Wood, Rock and Sand		-0-	-0-
Interest on Delinquent Accounts		-0-	-0-
Fines for Land and CDUA Violations		22,501	-0-
Witness or Juror Fees		-0-	-0-
Sales of Equipment or other Property		-0-	-0-
Refund/Reimbursement		-0-	-0-
Transfer Balance - Sand Island Revenues		1,787,769	1,800,000
Total		1,828,048	1,817,500

SPECIAL LAND AND DEVELOPMENT FUND

Receipts	Actual 1984-85	Estimated 1985-86
Rentals, Leased Public Lands	505,343	510,000
Rentals, Unleased Public Lands	335,206	340,000
Sale of Wood, Rock and Sand	-0-	-0-
License, Use of Government Water	1,772	1,800
License, Use of Government Land for Specific Purposes	2,264	2,500
Interest Earned on TCD	74,175	60,000
Interest on Deferred Payments	10,291	8,000
Sale of Public Lands	414,095	200,000
Total	1,343,146	1,122,300
Expenditures	Actual 1984-85	Estimated 1985-86
Land and Interest in Land	8,590	-0-
Structures and Permanent Improvements to Land	-0-	-0-
Appraisal Fees	21,284	32,394
Publication of Notices Fund	6,360	3,000
Maintenance Fund	99,170	200,000
Bond Fund Repayments	472,764	418,249
Administrative Costs	43,012	43,000
Revenue to DHHL	51,409	52,000
Total	702,589	748,643
Balance at the beginning:	1,203,437	1,843,994
Balance at end:	1,843,994	

SUMMARY OF DISPOSITIONS

ALL ISLANDS

Fiscal Year 1984-85

Counties	Executive Orders	Sales In Fee	General Leases	Revocable Permits	Grand Totals
Hawaii (1st Land District)					
Number	5	10	5	11	31
Area (Acres)	148,617	3,767	1,261,549	80,918	1,494,851
Price* or Annual Rent	-0-	80,459	34,576	24,591	\$139,626
Maui (2nd Land District)					
Number	9	7	1	12	29
Area (Acres)	35,502	1,012	1,530	29,669.569	29,707.613
Price* or Annual Rent	-0-	3,803	-0-	106,728	\$110,558
Oahu (3rd Land District)					
Number	4	12	18	19	53
Area (Acres)	8,563	1,193	132,850	75,211	217,817
Price* or Annual Rent	-0-	233,450	31,380	129,285	\$394,115
Kauai (4th Land District)					
Number	4	1	11	14	30
Area (Acres)	12,045	.270	373,836	68,577	454,728
Price* or Annual Rent	-0-	115,211	11,755	8,220	\$135,186
Grand Totals					
Number	22	30	35	56	143
Area (Acres)	204,727	6,242	1,769,765	29,894.275	31,875.009
Price* or Annual Rent	-0-	\$432,950	\$77,711	\$268,824	\$779,485

SUMMARY OF GENERAL LEASES

ALL ISLANDS

Fiscal Year 1984-85

Use	Area (Acres)	Annual Rental	No. of Leases
Intensive agriculture use	68,435.152	1,281,916.43	320
Special livestock use	-----	-----	---
Pasture use	178,592.242	726,162.00	98
Commercial timber use	-----	-----	---
Quarry use	-----	-----	---
Mining use	-----	-----	---
Recreational use	366.722	1,463.00	13
Watershed use	7,592.059	155,305.00	9
Res. use	181.791	55,990.00	177
Commercial and industrial use	630.776	1,918,423.36	157
Hotel, apartment and motel use	9.349	72,823.00	7
Resort use	-----	-----	---
Unclass. uses	45,930.852	458,303.37	237
Totals	301,738.943	4,670,386.16	1,018

SUMMARY OF GENERAL LEASES

FIRST LAND DISTRICT - ISLAND OF HAWAII

Fiscal Year 1984-85

^{1/} Use	Area (Acres)	Annual Rental	^{2/} No. of Leases
Intensive agriculture use	22,068.953	328,481.09	195
Special livestock use	-----	-----	---
Pasture use	169,514.507	651,129.00	40
Commercial timber use	-----	-----	---
Quarry use	-----	-----	---
Mining use	-----	-----	---
Recreational use	207.028	1.00	2
Watershed use	5,845.150	8,720.00	2
Res. use	31.112	13,634.00	20
Commercial and industrial use	262.707	946,566.86	89
Hotel, apartment and motel use	3.281	23,023.00	5
Resort use	-----	-----	---
Unclass. uses	37,233.694	48,648.23	79
Totals	235,166.432	2,020,203.18	432

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

^{2/} Leases awarded directly are preceeded by "D". All others are awarded by public auction.

GENERAL LEASES

ISLAND OF HAWAII

Fiscal Year 1984-85

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
2908	Noboru Nakagawa, Sakae Nakagawa, Susumu Nakagawa and Lawrence Takeshi Nakagawa	11/01/42-7/31/90	Waiakea, S. Hilo	2-1-15:01	50.867	U - Unclass. Fishpond	1,400.00
(L) 2964	Edward C. Hustace Trust Stillman Trust	3/15/41-(revocable)	Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kaloa-Ooma Mauka Tract, Makaula-Haleohiu Tract, N. Kona	7-3-01:02		A - Unclass. ROW	12.00
3029	John Tolmie & David De Luz	9/13/45-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:22	1.190	U - Com/Ind.	8,112.00
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	Michael F. & Dora Lee Rudolph	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:22	.165	U - Res.	969.00
3157	Margaret McKeen and Robert C. McKeen, Jr.	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:23	.167	U - Res.	982.00
3158	Penniman Title Company, Inc.	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:24	.169	U - Res.	994.00
3160	Patricia Nielson	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:26	.173	U - Res.	159.00
3161	Robert Alvin Finkle	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:27	.175	U - Res.	299.00
3162	Clarence Tatsuka & Kitome Ohama	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:28	.178	U - Res.	163.00
3163	Harold C. & Doris Hutchins	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:29	.180	U - Res.	1,058.00
3164	Electrical Workers Local 1260 Building Trust	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:30	.182	U - Res.	1,071.00
3165	Ruth K. Thayer & Cleo Thayer	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:31	.184	U - Res.	1,083.00
3166	John W. & Adele M. Jensen	3/15/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:32	.186	U - Res.	1,095.00
3167	Madeleine Krusche & Benjamin Jack Krusche	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:33	.188	U - Res.	1,108.00
3168	Jorge Roland Camacho	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:34	.190	U - Res.	1,120.00
3169	David V. Huggett & Eileen L. McDaniel	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:35	.190	U - Res.	1,117.00
3170	William C. Fehr-Trustee Martha H. Fehr-Trustee	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:36	.185	U - Res.	1,087.00
3202	Frank Ferreira	5/01/47-11/01/2017	Lehia Park Res. Lots, S. Hilo	2-1-17:65	.425	U - Res.	370.00
3265	Hilo Bay Hotel, Inc.	6/01/49-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:33	.586	U - Hotel, Apt. & Motel	2,981.00
3266	Hilo Bay Hotel, Inc.	8/10/49-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:34	.531	U - Hotel, Apt. & Motel	2,716.00

GENERAL LEASES

ISLAND OF HAWAII

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
3267	Hilo Bay Hotel, Inc.	6/01/49- 3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:35	.495	U - Hotel, Apt. & Motel	3,252.00
3268	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	784.60
3472	Hamakua Sugar Co., Inc.	4/09/54- 12/31/2008	Keaa-Mauka Tract, Hamakua	4-8-02-06 4-8-03-09	25.780 27.920 53.700	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	Mauna Kea Agribusiness Co., Inc.	2/01/60- 12/31/89	Kamaee-Wailua & Puuoha, N. Hilo	3-1-04:01 & 02	330.120 19.360 199.270 548.750	A - Int. Ag. Cane ROW Waste	2,971.08 19.36 19.93 3,010.37
S-3585	Mauna Kea Agribusiness Co., Inc.	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 91.500 907.934	A - Int. Ag. Cane ROW Pasture Waste	6,918.20 26.41 21.34 9.15 6,975.10
S-3586	Mauna Kea Agribusiness, Co., Inc.	2/01/60- 12/31/89	Kawainui, S. Hilo	2-7-07:05	155.258 2.391 33.351 191.000	A - Int. Ag. Cane ROW Waste	1,397.32 2.39 3.34 1,403.05
S-3587	Hamakua Sugar Co., Inc.	2/01/60- 12/31/89	Kaunamano, Hamakua	4-4-01:01	21.000 11.100 32.100	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-3591	Vetpro Inc., dba Veterans' Produce Exchange	1/16/61- 1/15/2016	Kanoelehua Ind. Lots, S. Hilo	2-2-49:17	.354	U - Com/Ind.	8,340.00
S-3592	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	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:12	.367	U - Com/Ind.	8,640.00
S-3594	James B. Toledo, Jr. dba Broto's Body & Fender	1/16/61- 1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:83	.224	U - Com/Ind.	5,265.00
S-3595	Harry Hiroo Nishimura dba Harry's Refrigeration Service	1/16/61- 1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:86	.258	U - Com/Ind.	6,075.00
S-3596	Laupahoehoe Transportation Co., Inc.	1/16/61- 1/15/2016	Kanoelehua Ind. Lots, 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	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:85	.258	U - Com/Ind.	6,075.00
S-3599	Big Island Builders, Inc.	1/16/61- 1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:90	.775	U - Com/Ind.	17,720.00

GENERAL LEASES
ISLAND OF HAWAII
Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	L&P Hawaiian Enterprises, Inc.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:16	.293	U - Com/Ind.	4,430.00
S-3604	Walter Kiyoshi Hamai dba W.K. Hamai Repair 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	Hunuula & 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 Factory	3/20/61-3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:95	.320	U - Com/Ind.	7,605.00
S-3624	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

GENERAL LEASES

ISLAND OF HAWAII

Fiscal Year 1984-85

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 Agribusiness Co., Inc.	8/16/61-8/15/91	Piihonua, S. Hilo	2-3-28:11 2-3-29:12 2-3-31:01 2-3-32:01, 04 2-5-09:05, 27	1,198.990 159.620 14.330 602.931 1,975.871	A - Int. Ag. Cane Contributory Pasture Waste	10,499.68
S-3670	Machida, Inc.	3/20/61-3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:98	.344	U - Com/Ind.	8,190.00
S-3698	Bank of Hawaii	1/26/62-1/25/2017	Waiakea, S. Hilo	2-2-49:22	.687	U - Com/Ind.	7,880.00
S-3716	Masaru Shindo dba Hilo Soda Works	10/29/62-10/28/2017	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:15	.556	U - Com/Ind.	851.40
S-3718	Hilo Auto Electric & Carburetor Service	6/28/63-6/27/2018	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:80	.258	U - Com/Ind.	587.00
S-3722	Hawaii Baptist Convention	11/30/62-11/29/2017	Waiakea Cane Lots, S. Hilo	2-4-01:112	1.000	A - Unclass. Elee.	780.00
S-3723	S. K. Oda, Ltd.	11/30/62-11/29/2017	Por. Waiakea, S. Hilo	2-2-32:11	1.934	U - Com/Ind.	18,954.00
S-3729	Hubert S. Andrews dba Andrews Trucking Service	8/23/63-8/22/2018	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:78	.241	U - Com/Ind.	572.00
(D)S-3731	County of Hawaii, Board of Water Supply	7/01/64-6/30/2029	Mountain View Water System, Land Site #1, Puna	1-8-08:21	.181	C - Unclass.	Gratis
(D)S-3732	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	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	Kamoa, 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

GENERAL LEASES

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3836	Oda Orchids, Inc.	6/16/64-6/15/2019	Waiakea, S. Hilo	2-2-48:01	7.855	U - Com/Ind.	565.56
S-3837	Inouye, Inc.	6/16/64-6/15/2019	Waiakea Hmstds., S. Hilo	2-2-44:04	10.000	U - Com/Ind.	1,700.00
(D)S-3844	University of Hawaii	7/24/64-7/23/2029	Hamakua Experiment Farm, Kahohe	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	Paauiilo-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.	1/20/65-1/19/86	Por. Lalamilo, Ouli & Waiaka I, Waimea, S. Kohala	6-6-01:02, 55	9,154.000	A - Pasture	9,900.00
(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. Kahohe, Hamakua	4-4-16:10	.881	U - Unclass.	300.00
S-3930	William Thompson	10/18/65-10/17/85	Por. Kahohe, 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 DeLuz, Jr. & Virginia DeLuz, Joint Revocable Trust	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3949	Hawaiian Greenhouse, Inc.	12/20/65-12/19/2000	Keonepoko Hmstds, Pahoa	1-5-07:17	19.401	A - Int. Ag.	3,282.00
S-3950	Kulana Foods, Ltd.	12/20/65-12/19/2000	Waiakea Hmstds, S. Hilo	2-4-03:10 & 11	41.200	A - Pasture	180.00
S-3954	Tokio Miyashiro	11/24/65-11/23/2020	Panaewa Farm Lots, S. Hilo	2-4-49:30	10.097	A - Int. Ag.	485.00
S-3961	Melsan, Ltd. 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 Department, U.S. Coast Guard	4/15/66-4/14/2031	Hoopulua, 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 & Paauiilo, Hamakua	4-3-04:04 4-3-05:01 4-3-06:01, 04, 08 10 & 12 4-3-07:02 4-3-08:02 4-3-11:04	220.892	A - Int. Ag. Cane	3,080.00
S-4004	Christ Lutheran Church	8/16/66-8/15/2031	Por. Waiakea, S. Hilo	2-4-01:120	3.101	U - Unclass. Elee.	1,214.00
S-4005	John J. & Josephine Andrade	8/16/66-8/15/91	Ahualoa Reserve Remnants, Ahualoa Homesteads	4-5-11:06	13.496	A - Pasture	91.00
S-4018	First United Protestant Church of Hilo	10/06/66-10/05/2031	Piihonua, S. Hilo	2-3-27:16	3.572	U - Unclass. Elee.	4,095.00
S-4024	George Freitas Dairy, Inc.	11/29/66-11/18/91	Puuepa 2-Kokoiki Tract, N. Kohala	5-5-05:01	74.340	A - Pasture	1,200.00
S-4025	Palani Ranch Co., Inc.	11/29/66-11/28/91	Honuaula, N. Kona	7-4-01:03	1,608.500	A - Pasture	2,800.00
(D)S-4029	County of Hawaii	4/13/67-4/12/2032	Kealakehe, N. Kona	7-4-08:17 por.	30.319	C - Unclass.	Gratis
S-4097	Pauley Petroleum, Inc.	3/31/67-3/30/2032	Por. Waiakea, S. Hilo	2-1-09:07 & 31	.130	U - Unclass.	304.63
S-4098	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 3.710 117.980	A - Int. Ag. Cane Waste ROW	1,020.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4108	Hamakua Sugar Co., Inc.	9/06/67-12/31/2008	Hanapai, Hamakua	4-7-04:09, 11	34.700 8.850 43.550	A - Int. Ag. Cane Waste	451.10
S-4109	Hamakua Sugar Co., Inc.	9/06/67-12/31/2008	Hamakua	4-6-02:01, 02, & 07	143.140 14.130 3.600 160.870	A - Int. Ag. Cane Waste ROW	1,861.00
(D)S-4130	Hawaiian Telephone Co.	1/01/68-12/31/2023	N. Hilo	3-9-02:12	1.047	U - Com/Ind.	760.00
S-4138	Hale Nui Flowers, Inc.	1/12/68-1/11/2023	Waiakea, S. Hilo	2-4-49:25	10.008	A - Int. Ag.	552.00
(D)S-4139	Honolulu Gas Co. Ltd.	4/14/67-4/13/97	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	Kahe, 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 Resurreccion	9/26/68-9/25/93	Keopu No. 2, N. Kona	7-5-01:22	17.490	A - Pasture	429.00
S-4203	Richard Smart	1/01/68-12/31/2033	S. Kohala	6-3-01:por. 02, 04, 06	.150	C - Watershed License	720.00
S-4205	Flowers, Inc.	9/26/68-9/25/2023	Waiakea, S. Hilo	2-4-49:31	60.000	A - Int. Ag.	3,312.00
S-4206	Sun Sun Lau, Ltd.	9/26/68-9/25/2033	Waiakea, S. Hilo	2-2-20:16 por.	.059	U - Unclass. ROW	80.00
S-4207	Hugo & Shirley Von Platen Luder	9/26/68-9/28/2021	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.	4/15/69-4/14/94	Kealakehe, N. Kona	7-4-02:07	1,232.000	A - Pasture	2,600.00
S-4246	Sim Wenner	8/09/69-8/08/94	Moeauoa I Gov't. Remainder, N. Kona	7-5-01:19	6.890	A - Pasture	55.00
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	Gill T. Causey	7/11/69-7/10/99	Kokoiki, N. Kohala	5-5-05:19	.652	A - Unclass. ROW	65.00
S-4249	Bank of Hawaii	7/11/69-7/10/2034	Honuaula, N. Kona	7-5-07:por. 58	.047	U - Unclass. ROW	11.11

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4251	Woodrow Miller	9/12/69-9/11/94	Puuanahulu Homesteads., N. Kona	7-1-05:05	8.199	A - Int. Ag.	1,030.00
S-4252	Hilo Bay Hotel, Inc.	8/14/69-8/14/2015	Banyan Dr., Waiakea Peninsula, S. Hilo	2-1-05:45	.215	U - Com/Ind.	590.00
S-4253	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
S-4260	Kau Agribusiness Co., Inc.	9/29/69-9/28/2004	Hionaa & Kaalaiki, Kau	9-7-01:20	1,791.489	A - Int. Ag. Cane	7,150.00
S-4261	Kau Agribusiness Co., Inc.	9/29/69-9/28/2004	Kapapala & Kaalaala, Kau	9-7-01:01	539.562	A - Int. Ag. Cane	2,150.00
S-4262	Kau Agribusiness Co., Inc.	9/29/69-9/28/1994	Waiohinu, Kau	9-5-05:03	378.870	A - Int. Ag. Cane	4,972.00
S-4263	Kau Agribusiness Co., Inc.	9/29/69-9/28/94	Kapapala, Kau	9-8-01:06	291.130	A - Int. Ag. Cane	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., Kanihahiku, 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., Kanihahiku, Puna	1-4-34:27	2.172	A - Int. Ag.	465.00
S-4281	Richard Smart	1/20/70-1/19/95	Puukole-Paco Tract, N. Kohala	5-7-01:04	2,464.290	A - Pasture	4,500.00
S-4282	Kau Agribusiness Co., Inc.	1/20/70-1/19/95	Hionaa-Kaalaiki Tract, Kau	9-5-15:03	1,669.000 80.000 448.290 2,197.290	A - Int. Ag. Cane Contributory Waste	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-4287	Antone & Helen Texeira	1/20/70-1/19/2025	Easement-Pohakuhaku & Kemau, Hamakua	4-3-06:16	.330	A - Unclass. ROW	1.09
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

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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4364	TSI, Ltd.	8/17/72-8/16/2027	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:17	12.683	A - Int. Ag.	5,000.00
S-4366	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 House lots ext., Waiakea, S. Hilo	2-2-58:36	.895	U - Com/Ind.	7,000.00
S-4415	B.K. Exotics, Inc.	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:01	10.193	A - Int. Ag.	285.00
S-4416	Joseph S. Dalrymple	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:02	10.000	A - Int. Ag.	480.00
S-4417	Jason A. Hashimoto	2/01/75-1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:03	10.000	A - Int. Ag.	280.00
S-4418	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 Kimura	9/04/75-9/03/2010	Lot 23, Panaewa Farm Lots, 2nd Ser., Waiakea, S. Hilo	2-4-49:07	10.008	A - Int. Ag.	3,100.00
S-4448	Polynesian Orchids, Inc.	9/04/75-9/03/2010	Lot 22, Volcano Farm Lots, Olaa, Puna	1-9-01:18	29.880	A - Int. Ag.	2,800.00

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S-4450	Anthony J. & Ellen C. Vincent	9/04/75- 9/03/2030	Lot 19, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:03	10.021	A - Int. Ag. Res.	1,100.00
S-4453	Willa McCoy	9/04/75- 9/03/2030	Lot 24, Panaewa Farm Lots, 2nd Ser. Waiakea	2-4-49:08	10.021	A - Int. Ag. Res.	820.00
S-4455	Palms, Inc.	9/04/75- 9/03/2030	Lot 26, Panaewa Farm Lots, 2nd Ser. Waiakea	2-4-49:10	10.021	A - Int. Ag. Res.	1,700.00
S-4456	Jules J. Gervais, Jr. & Soontaree Gervais	9/04/75- 9/03/2030	Lot 28, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:12	6.784	A - Int. Ag. Res.	1,050.00
S-4459	Lawrence Balberde, Jr.	9/04/75- 9/03/2030	Lot 21, Panaewa 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 Kaohē-3, Hamakua	4-4-15:02	1,763.000	A - Pasture	17,500.00
S-4472	Hoculu Ranch, Inc.	3/01/76- 2/28/2011	Land of Hoēa-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 Kaohē-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 & Kaohē-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 Piipihouua, 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 Kaohē-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 Kaohē-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

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S-4484	Donn W. Carlsmith	11/01/75- 4/30/2013	Waiakea & , Piihonua, S. Hilo	2-4-08:04 2-6-18:01	18.852	C - Unclass. ROW	10.00
S-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	YWAM-International Christian Schools	7/19/76- 7/18/2001	Holualoa, N. Kona	7-4-06:01por	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 Congre- gational 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 & Hoopuloa, S. Kona	8-9-01	26.040	A - Unclass. ROW	6,800.00 Full Term
(D)S-4601	Hilo Association to Help Retarded Citizens	12/15/78- 12/14/2053	Waiakea, S. Hilo	2-4-56:02 & 20	1.607	U - Unclass. Elee.	1.00
(D)S-4602	Research Corporation of the University of Hawaii	6/19/79- 6/18/1989	Kapoho, Puna	1-4-01:03	4.100	A - Unclass.	1.00 Full Term
(D)S-4604	Hilo Association to Help Retarded Citizens	7/01/79- 6/30/2054	Lots 128, 129, 130 Kaumana Houselots, S. Hilo	2-5-04:02	.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-4614	Hawaiian Telephone Co.	1/1/77- 1/30/2042	Humuula, N. Hilo	3-8-01:01	.200	C - Unclass.	263.00
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4621	Pahoehoe Tree Farm, Inc.	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:13	25.000	A - Int. Ag.	1,000.00
S-4622	Bigrock Anthuriums, Inc.	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:17	15.000	A - Int. Ag.	600.00
S-4623	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.	660.00
S-4632	Kualoa Farms, Ltd.	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:32	9.079	A - Int. Ag.	3,700.00
S-4633	Jules J. Jr. & Soontaree Gervais	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:por. 19	23.277	A - Int. Ag.	9,500.00
S-4634	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	Austin F. & Betty F. Keeney	5/8/80-5/7/2035	Olaa, Puna	1-8-06:103	49.082	A - Int. Ag.	2,500.00
S-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	INI Agrico	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4670	Jas. W. Glover, Ltd.	2/11/81- 2/10/2001	Waiakea, S. Hilo	2-1-12:04	74.314	U - Com/Ind.	125,000.00
(D)S-4673	U.S. of America Dept. of Transportation Federal Aviation Adm.	12/1/80- 11/30/2045	Humuula, N. Hilo	3-8-01:por. 1	.435	C - Unclass.	Gratis
S-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	Keahole Nursery, Inc.	1/1/81- 12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:12	5.047	A - Int. Ag.	355.00
(D)S-4696	Hilo Association to Help Retarded Citizens	7/1/79- 6/30/2054	Kaunana, S. Hilo	2-5-04	.456	U - Unclass. Roadway	1.00 Full Term
S-4698	Kinole Baptist Church	6/1/80- 5/31/2035	Pahoa Village Lots, Keonepoko Iki, Puna	1-5-117:24 & 25	.689	U - Unclass. Church	1,822.00
S-4717	Natural Energy Laboratory of Hawaii	11/1/78- 10/31/2034	Keahole Airport, N. Kona	7-3-43:3&4	321.800	U - Unclass.	1.00
(D)S-4725	Easter Seal Society of Hawaii	7/1/81- 6/30/2046	Piihonomua, 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	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4753	Philip J. & Carole K. Ito	1/1/82-12/31/2036	Lot 6, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:32	10.212	A - Int. Ag.	1,225.00
S-4754	Harris S. & Elizabeth L. Asahara	1/1/82-12/31/2036	Lot 7, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:33	10.170	A - Int. Ag.	1,220.00
S-4755	George T. Nishimura	1/1/82-12/31/2036	Lot 8, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:34	10.083	A - Int. Ag.	1,210.00
S-4756	Kaohu 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. Kubo	1/1/82-12/31/2036	Lot 14, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:40	20.099	A - Int. Ag.	2,010.00
S-4762	Jack L. Branco	1/1/82-12/31/2036	Lot 15, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:41	20.650	A - Int. Ag.	2,065.00
S-4763	Ono Nut Farms, Inc.	1/1/82-12/31/2036	Lot 16, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:42	20.025	A - Int. Ag.	2,000.00
S-4764	Young Dai & Sook Ja Kim	1/1/82-12/31/2036	Lot 17, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:43	10.003	A - Int. Ag.	1,200.00
S-4765	Jules J. Jr. & 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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4801	Ronald T. & Merlene S. Nitta	5/1/82-4/30/2037	Lot 10, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:37	5.000	A - Int. Ag.	350.00
S-4802	Big Island Growers, Ltd.	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
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-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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
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	Petulima & 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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4851	Konacoast Farms, Inc.	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:34	5.013	A - Int. Ag.	450.00
S-4852	Henry W. & Marvalene I. Kanahele	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:35	5.452	A - Int. Ag.	490.00
S-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
(D)S-4915	United States Postal Service	2/20/84-2/19/2039	Manowaiapae, N. Hilo	3-6-09:32 & 33	.230	U - Unclass. Post Office	1,200.00
S-4920	Hamakua Associates of Farmers	12/1/84-11/30/2004	Paalaea Land 2, Hamakua	4-5-01:11&12	.441	A - Int. Ag.	1.00
S-4950	Boteilho Hawaii Enterprises, Inc.	4/1/85-3/31/2020	Opihipau & Hukiaa, N. Kohala	5-5-06:02,03, 04 and 15	597.406	A - Pasture	21,000.00
S-4952	Yotsuo Fuke Sakae Fuke	1/1/85-12/31/2049	Waiakea, S. Hilo	2-4-56:14	.099	U - Unclass.	2,100.00 Full Term
S-4954	Pacific Paradise, Inc.	4/11/85-4/10/2020	Kaimu-Makena Hmstds., Puna	1-2-06:07, 15, 16, & 18	655.000	A - Int. Ag.	7,425.00
S-4955	Pacific Paradise, Inc.	4/11/85-4/10/2020	Kaimu-Makena Hmstds., Puna	1-2-06:19, 20	816.000	A - Int. Ag.	4,050.00
S-5000	Tsugio Sakata	3/31/67-3/30/2032	Por. Govt Land Waimea, S. Kohala	6-5-04:por. 15	.012	U - Unclass. ROW	13.00
S-5001	K. Kobata & Sons	3/31/67-3/30/2022	Waiakea, S. Hilo	2-2-32:10	.988	U - Com/Ind.	27,894.00
S-5003	Francis C. De Morales	3/31/67-3/30/92	Waiakea Hmstds., S. Hilo	2-4-06:12-2-4-07:37	68.670	A - Pasture	330.00
S-5004	Sueichi & Yoshiko Kawashima	3/31/67-3/30/92	Paauilo, Hamakua	4-3-15:10	3.040	A - Int. Ag.	121.00
S-5005	Puna Certified Nursery, Inc.	3/31/67-3/30/2002	Keonepoko-Nui, Puna	1-5-08:05	5.000	A - Int. Ag.	576.00
S-5015	Motoshi Sako	5/19/67-5/18/2002	Por. Gov't. Land of Olaa, Puna	1-7-01:63	.466	U - Com/Ind.	485.00
S-5017	Mary K. Phillips	5/19/67-5/18/2032	por. Lalamilo, Waimea, S. Kohala	6-6-04:76	.033	U - Unclass. ROW	28.00
S-5018	Pacific Standard Life Insurance Company	5/19/67-5/18/2032	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 <u>67.00</u> <u>1,923.00</u>

SUMMARY OF GENERAL LEASES
SECOND LAND DISTRICT - ISLAND OF MAUI

Fiscal Year 1984-85

Use ^{1/}	Area (Acres)	Annual Rental	No. of Leases ^{2/}
Intensive agriculture use	6,841.509	223,717.34	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	44.873	2,781.20	26
Totals	10,013.293	305,604.04	99

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

^{2/} Leases awarded directly are preceeded by "D". All others are awarded by public auction.

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1984-85

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 7.648 1,063.246	734.396 42.335 174.011 95.196 9.660	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 Waichonu, Hana	1-3-07:25	.600	R - Res.	400.00
S-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	Kearae, Hana (Koolau)	1-1-02:09	7.742	A - Rec.	150.00
S-3820	Roy F. Bodnar	4/08/64-4/07/85	Parcels 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, Waiahoia, Makawao, Kula	2-2-11:33	20.674	A - Int. Ag.	Gratis

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1984-85

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	Oecilia 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 Puuhoku 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	Waiohoni-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	Hamo, 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 1984-85

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.	1,132.00
S-4232	Frank T. Pacheco	2/25/69-2/24/94	Puolua, Makawao (Hamakualoa)	2-9-06:07 & 08	10.560	A - Pasture	60.00
S-4233	Hansel Ah Koi	2/25/69-2/24/89	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 Kula 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	Hamo, Hana	1-4-08:13	1.000	R - Res.	750.00
S-4328	Anthony A. & Anna K. Tam	11/23/70-11/22/95	Wailua-Nui, Hana	1-1-08:05	120.970	A - Pasture & C	405.00
S-4340	Akea Farms, Inc.	7/22/71-7/21/2116	Molokai Farm Lots, Hoolehua, Apana 2	5-2-01:09	205.000	A - Int. Ag.	2,400.00
S-4345	Edward Wendt	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-05:22	.770	A - Int. Ag..	35.00
S-4348	Samuel Akina	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-06:43	.400	A - Int. Ag.	30.00
S-4349	Joseph J. Day	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-06:38	.850	A - Int. Ag.	35.00
S-4350	William H.D. & Anna M. King	7/22/71-7/21/2026	Ualapue, Kona, Molokai	5-6-02:01	2.100	U - Int. Ag. Res.	1,600.00
(D)S-4372	U.S. Dept. of Agriculture, Soil Conservation Service	1/01/73-12/31/98	Par. A-1, Molokai Farm Lots, 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	Kumaole, 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

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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
	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 (ARSBAND PARTNERS)	1/26/73-1/25/93	Kolekole Hill of Mt. Haleakala, Papaanui, Makawao, Kula	2-2-07:08	.025	C - Com/Ind.	0.50
(D)S-4518	County of Maui, Dept. of Water Supply	9/26/75-9/25/95	Por. Kahului Airport, Kahului	3-8-01:75	2.922	U - Unclass.	Gratis
S-4519	Sylvia Senter	7/08/76-7/07/2031	Former Kaupakulua School Lot, West Kaupakulua, Makawao (Hamakualoa)	2-7-15:26	1.905	A - Int. Ag. Res.	2,110.00
S-4520	Donald N. Gard, Robert A. & Francine S. Frost	9/01/76-8/31/2001	Old School Lot at Kaeleku & Wakiu, Hana	1-3-04:15	4.000	A - Int. Ag.	600.00
S-4521	William F. Butzine & Avery G. Dresden	9/01/76-8/31/2001	Lot 29-0, Nahiiku Hmstds., Nahiiku, 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	Waichuli-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	Waichuli-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

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4538	Railroads of Hawaii dba Lahaina Kaanapali & Pacific Railroad Co.	7/08/76- 7/07/2016	Parcels 1, 2, 3 4 & 5, Kapunakea 1 & Waihukuli, Lahaina	4-5-14:77 4-5-21:11 4-5-17:49 4-5-30:138	4.212	U - Unclass. ROW	1,390.00
(D)S-4540	County of Maui, Dept. of Water Supply	3/10/78- 3/09/2043	Kalialinui, Makawao (Kula)	2-3-06:06	14.150	A - Unclass. Reservoir/ Accessory	Gratis
(D)S-4544	The Episcopal Church in Hawaii	5/24/74- 5/23/2039	Waichuli, 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	Honopiiilani Hwy. (East Side), Waihukuli, 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	Kaunakani & 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	Kaunakani & Puaaluu, Kipahulu, Hana	1-5-11:por. 7 1-6-02:por. 9	39.000	A - Watershed & C Water License	43.00
(D)S-4727	County of Maui	3/27/81- 3/26/2046	Waiokama, Lahaina	4-6-07:01	2.008	U - Unclass. (Multi-Use Community Facility)	Gratis
(D)S-4828	Maui Young Men's Christian Assoc.	11/24/81- 11/23/2019	Portion of 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-4936	Federal Aviation Adm.	7/1/84- 6/30/2004	Kealahou, Ukumehame, Lahaina	3-6-01:08	1.530	C - Unclass.	Gratis
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 Ferreira	5/23/67- 5/22/87	Wailua-Mui, 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 1984-85

<u>1/</u> Use	Area (Acres)	Annual Rental	<u>2/</u> No. of Leases
Intensive agriculture use	1,277.930	99,562.00	49
Special livestock use	-----	-----	---
Pasture use	3,584.415	8,240.00	5
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	20.339	3,601.00	31
Commercial and industrial use	189.340	827,405.00	34
Hotel, apartment and motel use	-----	-----	---
Resort use	-----	-----	---
Unclass. uses	8,016.770	319,277.84	85
Totals	14,689.209	1,290,986.84	208

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 1984-85

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-3727	Amancio R. & Serafina Nacapoy	1/14/63- 1/13/2028	Kaluapalena, 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	Kalauao, Ewa	9-8-11:11	.014	U - Unclass. ROW	125.00
(D)S-3845	U.S. of America (Army)	8/17/64- 8/16/2029	Kaena Point Track- ing Station	8-2-01:04, 05, 06, 10, & 21 8-1-01:01 & 10	137.980	C - Unclass.	1.00 Full Term

GENERAL LEASES

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-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 For. Ridge Lots, Honolulu	2-5-23:08, 21, 25 & 35	.079	C - Unclass. ROW	50.00
S-3899	First Hawaiian Bank	3/11/65-3/10/2030	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, Waikale	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	Iaelae, 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
(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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4027	Communications Satellite Corp.	12/28/66-12/27/2031	Mt. Kaala, Por. Mokuleia For. Res., Waialua	6-7-03	.106	C - Com/Ind.	330.00
(D)S-4094	City & County of Honolulu	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	Maunalua	3-9-15	.650	U - Unclass. ROW	255.00
S-4113	U-Haul Hawaii, Inc.	10/10/67-10/09/2007	Moanalua	1-1-64:08	.676	U - Com/Ind.	10,900.00
S-4114	Kenneth Yee	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	Maurice F. & Marilyn W. Stanton dba Alii Stor-Mor	10/10/67-10/09/2007	Moanalua	1-1-64:22	.574	U - Com/Ind.	13,000.00
(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, Waikele, Ewa	9-4-27:124	.229	U - Unclass. Elee.	12.00
(D)S-4220	University of Hawaii	1/29/69-1/28/2034	Kaimuki Tract 49, Kapahulu	3-2-31	8.053	U - Unclass.	Gratis

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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	Kuaokala & 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. Arnuene 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
S-4305	Francis Y. Yoshida	5/19/70-5/18/2035	Waimanalo, Koolaupoko	4-1-10:74	15.587	A - Unclass. ROW	3.30
(D)S-4329	Waiahole Irrigation Co., Ltd.	1/01/71-12/31/2000	Kahana, Koolaupoko	4-8-13:por. 01; 5-2-01:	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-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
(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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4404	City & County of Honolulu, Honolulu Redevelopment	8/23/74-8/22/2039	Par. 17, 20-22, Kuku Project, Hon.	2-1-09	.143	U - Unclass.	Gratis
S-4405	Produce Center Development, Ltd.	7/19/74-7/18/2029	Kaakaukukui (Food Distribution Ctr) Honolulu	2-1-60:09	9.522	U - Com/Ind.	168,000.00
(D)S-4407	Pierco, Inc.	9/26/74-10/20/2027	Waimanalo, 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	Kaakaukukui, Honolulu	2-1-57	.031	U - Unclass.	Gratis
(D)S-4411	Honolulu Community Theatre	8/18/74-8/17/2024	Kapahulu, Honolulu	3-2-20:01	2.735	U - Com/Ind.	1,800.00
(D)S-4435	University of Hawaii	7/01/75-6/30/2040	Diamond Head Res. Kapahulu, Oahu	3-1-42:09	51.628	U - Unclass.	Gratis
S-4485	Inscon Development Company	10/30/75-10/29/2030	Hanakoe, Kawela, Koolauloa	5-7-01	.214	U - Unclass. ROW	38.39
(D)S-4487	Hawaii Wing Civil Air Patrol	1/01/74-12/31/2000	Puu-O-Hulu Tunnel Site & Roadway Easement, Lualualei, Waianae	8-7-06:08 8-7-06:29	5.981	C - Unclass.	Gratis
(D)S-4488	University of Hawaii	2/23/73-2/22/2038	Por. Kapalama Mil. Res. Mokauea, Kalihi	1-5-41	16.069	U - Unclass.	Gratis
(D)S-4513	Variety Club School & Special Education Center	3/15/76-3/14/2040	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	6-1-08:31	.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, Kaakaukukui (Kewalo Basin)	2-1-58:41 & 48	.621	U - Com/Ind.	40,500.00
(D)S-4579	University of Hawaii (Tropical Agriculture)	9/01/77-8/31/97	Waimanalo	4-1-26:1, 2 & 21	127.539	A - Int. Ag.	Gratis
(D)S-4580	Old Vineyard St. Residents' Assoc.	6/15/78-6/14/2033	Old Vineyard St. Housing Project, Halehala, Honolulu	2-1-18:Por. 11	.679	U - Res.	1.00
(D)S-4582	Mokauea Fishermen Association	6/01/78-5/31/2043	Kaliawa & Mokauea, Kalihi	1-5-41	13.750	U - Unclass. Elee.	150.00
(D)S-4588	Hawaiian Telephone Co.	6/06/73-6/05/2038	Puu Ohia Radio Sta. Sites A&B, & Parcels C, D, E, & F, Situated at Kalawahine & Opu, Honolulu, Oahu	2-5-19	1.300	C- Unclass. ROW	3,711.00
S-4589	Basin Project, Inc.	6/30/78-12/29/2042	Por. of Filled Land of Kaakaukukui (Kewalo Basin) plus easement for air rights over portions of adjoining coral reef area above Kewalo Basin Channel	2-1-58:por. 10 & 41	.233 (Parcel A) .144 (Easement)	U - Com/Ind.	12,000.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-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	Kiwi	1-5-20:6	2.749	U - Com/Ind.	140,000.00
S-4644	Cornmax 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-4825	Waikiki Community Center		Waikiki, Oahu	2-6-25:02	1.477	U - Unclass. Elee.	120.00
(D)S-4826	DSH & Goodwill Industries of Honolulu, Incorporated	9/1/81-8/31/2031	Lot 3, Shafter Flats Ind. Dev., Unit II	1-1-64:27	1.578	U - Unclass. Elee.	1.00 Full Term
(D)S-4827	Waimalu Grace Brethen Church	10/29/82-10/31/2037	Waimalu, Ewa	9-8-26	1.207	U - Unclass. Elee.	3,000.00
S-4877	Toshio Sugita	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
S-4883	Glenn Masuo & Harriet Mieke Masunaga	6/30/76-6/29/97	Makiki, Honolulu	2-4-32:por. 1		- Unclass. Easement	236.00
(D)S-4884	George Ai	12/28/83-11/30/2048	Lot 1, Maunala-ha 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, Maunala-ha Hmstds., Opu, Makiki, Honolulu	2-5-20:por.	.780	C - Res.	120.00

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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. Kaai	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. Kaai	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
(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

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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. Easement	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
S-4921	Hawaiian Telephone Company	6/14/85-10/31/2039	Ewa	9-9-68:60	.001	U - Unclass.	Full Term
(D)S-4948	Pearl City Youth Complex Association	2/1/85-1/31/2020	Manana & Waimano, Ewa	9-7-19:35	11.209	U - Unclass. Elee.	120.00
(D)S-5006	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. Koolaupoko	4-1-10:31	3.429	A - Int. Ag.	355.00
S-3754	Servco Pacific, Inc.	12/02/63-12/01/2008	Lot 3, Waimanalo Ag Subdv. Koolaupoko	4-1-10:32	4.147	A - Int. Ag.	360.00
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

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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- 12/01/2007	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-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	Naomi H. Chaille, Claudia M. Chaille & Angela C. Meixell	12/02/63- 12/01/2007	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	GKK Specialties, Inc.	12/02/63- 12/01/2008	Lot 46, Waimanalo Ag Subdv., Koolaupoko	4-1-26:19	6.705	A - Int. Ag.	1,100.00
S-3782	Peter A. & Gertrude Pak Chong	12/02/63- 12/01/2008	Lot 48, Waimanalo Ag Subdv., Koolaupoko	4-1-26:17	7.136	A - Int. Ag.	550.00
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- 8/09/2009	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- 8/12/2010	Lot 31, Waimanalo Farm Lots, Koolaupoko	4-1-24:62 & 63	6.862	A - Int. Ag.	640.00

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 Carlbam	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	Robert Yukitomo	3/12/70- 3/11/90	Lot 20, Waimanalo Ag Subdv., Koolaupoko	4-1-10:03	15.587	A - Int. Ag.	3,600.00

SUMMARY OF GENERAL LEASES

FOURTH LAND DISTRICT - ISLAND OF KAUAI

Fiscal Year 1984-85

<u>1/</u> Use	Area (Acres)	Annual Rental	<u>2/</u> No. of Leases
Intensive agriculture use	38,246.760	630,156.00	43
Special livestock use	—	—	—
Pasture use	2,625.082	39,113.00	30
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	36.627	681.00	4
Watershed use	131.250	98,400.00	3
Res. use	123.540	36,075.00	123
Commercial and industrial use	65.167	111,771.00	27
Hotel, apartment and motel use	6.068	49,800.00	2
Resort use	—	—	—
Unclass. uses	635.515	87,596.10	47
Totals	41,870.009	1,053,592.10	279

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 1984-85

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. Lemn	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.	595.00
(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 1984-85

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.	435.00
S-3827	East Kauai Water Co., Ltd.	5/11/64- 5/10/94	Drainage Basins of N. Wailua, Kapaa, Anahola & Hanalei Rivers, Kapaa, Halelea	4-6-03:34 & 35 4-6-06:07, 20, 23, 31 & 37 4-6-07:09, 11, 12 & 22 4-6-08:30 & 56 4-6-09:05, 06, 13, 17 & 24 4-6-10:04 & 05 4-6-14:13 & 14 4-6-15:23 4-6-20:14 4-6-25:38 4-6-26:01 4-6-27:25 & 26 4-6-28:15 & 16 4-6-32: 22, 23, 30, 32 & 35		C - Watershed License	90,000.00
S-3828	Lihue Plantation Co., Ltd.	5/11/64- 5/10/94	Por. Moloaa For. Res. Papaa, Moloaa, Kawaihau	4-9-01:por 1	125.000	C - Watershed License	2,400.00
S-3831	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.	7,700.00
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.	7,800.00
(D)S-3852	U.S. Of America (Navy)	8/20/64- 8/19/2029	Bonham Air Force Base, Kona	1-2-02:25, 26, 27 & 28	189.557	U - Unclass. Fed.	1.00 Full Term
(D)S-3863	Kauai County, Y.W.C.A.	4/01/65- 3/31/2020	Por. Kokee Camp Sites, Waimea	1-4-04:33	3.607	C - Rec.	125.00
(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-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
(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

GENERAL LEASES

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	Debra Ann Williams	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	3.326	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
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 - Div. Ag.	500.00
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4023	Tetsuro Maeda & Yoshio Hiranaka dba T & Y	11/17/66-11/16/2021	Nawiliwili Harbor Lots, Lihue	3-2-04:11	.618	U - Com/Ind.	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. Stanwood	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	Clarence Arruda & Joaquin Arruda, Jr.	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
(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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 & Kimiyu 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
(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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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. HHL) (Kona)	1-2-02:01 & 23	7,380.657 927.130 7,759.423 <u>11,657.548</u> 27,724.758	A - Int. Ag. Cane Contributory Pasture	354,300.00 44,500.00 15,000.00 <u>413,800.00</u>
(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. ROW	288.00
S-4275	Denny's Repair & Service, Inc.	2/25/70- 2/24/2025	Hanapepe Town Lots, Waimea (Kona)	1-9-05:09	.322	U - Com/Ind.	632.00
S-4276	Iolani Sportswear, Ltd.	1/27/70- 1/26/2035	Hanapepe Business Lots, Waimea (Kona)	1-8-08:40	1.256	U - Com/Ind.	1,970.00
S-4277	William J. Sanchez	1/27/70- 1/26/95	Kapaa Hmstds., Kawaihau (Puna)	4-4-04:05	49.701	A - Pasture	1,550.00
(D)S-4388	Antone & Pearl F. Perez (Perry)	5/02/74- 5/01/2039	Easement A, Lawai Hmstds., Lawai Kona	2-5-02	.021	A - Unclass. ROW	25.00
(D)S-4389	Manuel & Elsie F. Perez (Perry)	5/02/74- 5/01/2039	Easement B, Lawai Hmstds., Lawai Kona	2-5-02	.024	A - Unclass. ROW	30.00
S-4392	Toshio & Lois N. Hashimoto	12/20/73- 5/25/2031	Hanapepe Rice & Kula Lots, Hanapepe, Waimea Kona	1-9-01:11	4.080	A - Int. Ag. & Res.	1,951.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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. Daehler, 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
(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

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-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 Marcallino 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. Perreira	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:36	.830	C - Res.	174.00
(D)S-4509	Manuel & 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
(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

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-4576	Lihue Plantation Company, Ltd.	12/15/77-12/14/2002	Por. of Anahola-Kamalo molo 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 - Div. 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	11/16/73 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
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 Iyum & Harold Hyung Hui Iyum, & Leslie M.H. Iyum	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	1-4-04:41	.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	1-4-04:49	.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	Dezma Alec Dunn & Dorothy Pauline Dunn	1/1/81-12/31/85	Lot 29, Kokee Camp Site, Waimea	1-4-04:21	.710	C - Res.	324.00
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
S-4779	Tsutaoka Okasako	12/3/81-12/2/96	Por. of Lot 173, Kapaa Hmstds., Third Series, Kapaa	4-6-08:01	21.400	A - Int. Ag.	2,501.00
S-4780	Samuel K. Thronas	12/3/81-12/2/91	Lot 24, Wailua Rice & Kula Lots, Wailua	3-9-04:1; 3-9-02:por. 30	7.824	C - Pasture	1,150.00
S-4781	Kauai Sand and Gravel, Inc.	1/2/82-1/1/92	Gov't. (Crown) Land of Wailua, Wailua	3-9-05:19 & 20	21.330	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

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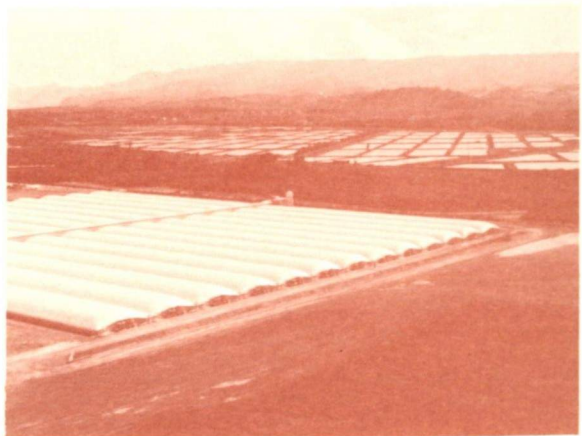
Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4784	Sam H. & Dorothy M. Tao	1/1/81-12/31/85	Kokee Camp Site, Waimea	1-4-04:52	.590	C - Res.	270.00
S-4853	Albert K. Kauai	11/6/81-11/15/2038	Kapaa River Rem. B.	4-6-09:32 & 50	.360	A - Unclass.	275.00 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 Schlien	5/28/83-5/27/1998	Lot 47-A and por. of Lot 47-B, Omao Hmstds, Omao, Koloa	2-7-04:11	5.916	A - Pasture	1,052.00
S-4867	George B. Fernandes	5/28/83-5/27/1998	Lot 22, Wailua Rice & Kula Lots, Waiwa, Lihue	3-9-04:08	8.280	A - Pasture	1,700.00
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
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

GENERAL LEASES

ISLAND OF KAUAI

Fiscal Year 1984-85

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
S-4937	Tatsuo Nishi	11/15/84-11/14/99	Lot 8, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-12:37	2.430	A - Int. Ag.	450.00
S-4938	Russell H. Nonaka	1/13/85-1/12/2000	Lot 22, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-01:03	4.950	A - Int. Ag.	900.00
S-4939	George B. Fernandez	12/14/84-12/13/99	Par. 1, Wailua Resort Site, Wailua	3-9-06:11	11.482	A - Int. Ag.	1,155.00
S-4940	William J. Sanchez	11/15/84-11/14/99	Par. A, Kainahola Pasture Land, Kapaa Homesteads., 2nd Series, Waipouli (Puna)	4-4-04:04&51	33.93	A - Int. Ag.	1,180.00
S-4941	Bernard P. Carvalho, Sr.	11/15/84-11/14/99	Lot 36, Kapaa Hmstds., 1st Series, Kapaa, Kawaihau, (Puna)	4-6-05:10	6.240	A - Int. Ag.	1,000.00
S-4942	Frank S. Nonaka	11/15/84-11/14/99	Lot 6A, Hanapepe Rice & Lots, Hanapepe, Waimea, (Kona)	1-9-12:11	.950	A - Int. Ag.	250.00
S-4943	Joseph E. Brun & John G. Rita	1/13/85-1/12/2000	Sec. E, Hanapepe Gov't. Land, Hanapepe, Waimea (Kona)	1-9-06:03	287.130	A - Int. Ag.	1,875.00
S-4944	Mervin Lloyd Rapozo & Fay Takabayashi Rapozo	12/14/84-12/13/99	Lots 2-B & 3 & Pors. of Lots 5&6 Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-02:por23 & 4-1-03:48	15.309	A - Pasture	425.00
S-4945	Bernard P. Carvalho, Sr.	11/15/84-11/14/99	Lots 8-A & 8-B, Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)	4-1-02:12&18	8.430	A - Pasture	160.00
S-4946	Glenn Alquiza	1/18/85-1/17/2000	Lots 53 & 54 (combined) Hanapepe Town Lots, 1st Series, Hanapepe, Waimea (Kona)	1-9-10:36&37	.837	U - Com/Ind.	4,000.00
S-4947	Bernard P. Carvalho, Sr.	11/20/84-11/19/99	Lots 39-A & 52, Kapaa Hmstds., 1st Series, Kapaa, Kawaihau, (Puna)	4-6-05:05	2.600	A - Int. Ag.	360.00



COVER

Marine Culture Enterprise (foreground) and Amorient Aquafarm (background) are operating in Kahuku and are considered the largest shrimp and prawn farms respectively in the United States.

"Roger Coryell Photo, Courtesy of Marine Culture Enterprises."